#### **BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA**

#### 00000

In the Matter of:

Application of Great Basin Water Co. for authority to consolidate and increase its annual revenue requirements for water and sewer service and to consolidate and adjust the rates charged to all classes of customers in the Pahrump, Spring Creek, Cold Springs and Spanish Springs Divisions and for other relief properly related thereto. Docket No. 24-\_\_\_\_\_

#### VOLUME 5 OF 5

VOLUME 5 OF 5	PAGE NO.
Rimal Testimony	2
Ashcraft Testimony	108

# RIMAL TESTIMONY

GBWC\_2024 Rate Case\_Vol. 5, Page 2 of 389

1	BEFORE THE PUBLIC UTILITIES	
2	In the Matter of:	Docket No. 24
	Application of Great Basin Water Co. for authority to consolidate and increase its annual	
	revenue requirements for water and sewer service and to consolidate and adjust the rates	
	charged to all classes of customers in the Pahrump, Spring Creek, Cold Springs and	
,	Spanish Springs Divisions and for other relief	
	properly related thereto.	
	PREPARED DIRECT	<b>FESTIMONV OF</b>
)	BICKEY R	IMAL
	ON BEHALF OF GREAT	BASIN WATER CO.
	December 4	. 2024
3		,
1		
5		
5		
7		
8		
5		
9		
9 0 1		
0 1		
) 1 2 3		
) 2 3		
) 2 3 4		
) 1 2 3 4 5 5		
) 1 2		

1		
1 2		TABLE OF CONTENTS
2		TABLE OF CONTENTS
4		
5	I.	INTRODUCTION AND QUALIFICATIONS 3 -
6	II.	PURPOSE OF TESTIMONY4 -
7	III.	ALLOCATED COST OF SERVICE - WATER 7 -
8	IV.	PROPOSED REVENUE ALLOCATION AND RATE DESIGN - WATER
9	V.	ALLOCATED COST OF SERVICE - SEWER 19 -
10	VI.	PROPOSED REVENUE ALLOCATION AND RATE DESIGN - SEWER 24 -
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21 22		
22		
24		
25		
26		
27		
28		
		- 2 -
l		GBWC_2024 Rate Case_Vol. 5, Page 4 of 389

I.

#### **INTRODUCTION AND QUALIFICATIONS**

#### 2 || Q1. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A1. My name is Bickey Rimal. My business address is 1300 19th Street NW, Suite 620, Washington, DC 20036. I am an Assistant Vice President at Concentric Energy Advisors, Inc. ("Concentric"). Concentric is a management consulting and financial advisory firm with a focus on North American energy and utility industry.

#### **Q2.** PLEASE SUMMARIZE YOUR EDUCATION AND EXPERIENCE.

A2. I have over 16 years of progressive experience in the energy and environmental sector. I joined
Concentric in 2011 and have held the positions of Associate, Assistant Consultant, Consultant,
Senior Consultant, Project Manager and Senior Project Manager. While at Concentric, I have
provided expert testimony on multiple occasions in rate related matters. In addition, I have led
and contributed to projects involving revenue requirement, cost of service, rate design, rate of
return estimation, energy market assessments, and utility performance benchmarking. My
work often involves financial modeling, statistical analysis, and regulatory research.

I hold a B.A. degree from Colgate University and an M.A. degree with a major in international public affairs with a focus on Energy Policy from the University of Wisconsin-Madison.

I also worked at ICF International, a global energy and environmental consulting firm, for three years, where I was extensively involved in projects dealing with policy design and implementation, economic impact analysis, regulatory evaluation, statistical analysis, and environmental risk assessment. A copy of my resume is included as Attachment BR-01.

#### **Q3.** DO YOU BELONG TO ANY PROFESSIONAL ORGANIZATIONS?

 A3.

**Q4.** ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?

Yes. I am a member of the American Water Works Association ("AWWA").

- 3 -

GBWC\_2024 Rate Case\_Vol. 5, Page 5 of 389

1	A4.	I am testifying on behalf of Great Basin Water Co. ("GBWC," or the "Company").	
2			
3	Q5.	HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC UTILITIES	
4		COMMISSION OF NEVADA?	
5	A5.	No, I have not testified before the Public Utilities Commission of Nevada ("PUC" or "the	
6		Commission"). However, I have testified previously before the Regulatory Commission of	
7		Alaska, Arizona Corporation Commission, Connecticut Public Utilities Regulatory Authority,	
8		Indiana Utility Regulatory Commission, Maine Public Utilities Commission, Massachusetts	
9		Department of Public Utilities, New York State Department of Public Service, and Nova Scotia	
10		Utility and Review Board.	
11			
12		I. <u>PURPOSE OF TESTIMONY</u>	
13	Q6.	PLEASE DESCRIBE THE PURPOSE OF YOUR TESTIMONY.	
14	A6.	The purpose of my testimony is to present and support the allocated cost of service studies as	
15		well as the rate design studies prepared for GWBC. The purpose of these studies is to first	
16		determine the embedded costs of serving the various water and sewer customers of GWBC,	
17		and then design rates that are reasonable and appropriate for recovering the test year revenue	
18		requirements from the various customers. I am specifically sponsoring the following studies:	
19		1. Allocated Cost of Service Study - Water	
20		2. Proposed Consolidated Water Rate Design	
21		3. Standalone Water Rate Design	
22		4. Allocated Cost of Service Study - Sewer	
23		5. Proposed Consolidated Sewer Rate Design	
24		6. Standalone Sewer Rate Design	
25	Q7.	ARE YOU SPONSORING ANY ATTACHMENTS?	
26	A7.	I am sponsoring the attachments listed below, which were all prepared by me or under my	
27		supervision and direction.	
28			
		- 4 -	
		- + -	

### GBWC\_2024 Rate Case\_Vol. 5, Page 6 of 389

Attachment BR-1 Attachment BR-2, Schedule 1	Resume
Attachment BR-2 Schedule 1	
	Summary ACOS Results by Class - Water
Attachment BR-2, Schedule 2	Functional Revenue Requirement and Unit Costs by Class - Water
Attachment BR-2, Schedule 3	Cost Classification and Allocation Assignment - Water
Attachment BR-2, Schedule 4	Summary of External Allocators - Water
Attachment BR-2, Schedule 5	Summary of Internal Allocators - Water
Attachment BR-2, Schedule 6	Detailed ACOS Results by Class - Water
Attachment BR-2, Schedule 7	Revenue Allocation Summary - Water
Attachment BR-3, Schedule 1	Proposed Consolidated Rate Design - Water
Attachment BR-3, Schedule 2	Standalone Rate Design - Water
Attachment BR-4, Schedule 1	Summary ACOS Results - Sewer
Attachment BR-4, Schedule 2	Functional Revenue Requirement and Unit Costs by Class - Sewer
Attachment BR-4, Schedule 3	Cost Classification and Allocation Assignment - Sewer
Attachment BR-4, Schedule 4	Summary of External Allocators - Sewer
Attachment BR-4, Schedule 5	Summary of Internal Allocators - Sewer
Attachment BR-4, Schedule 6	Detailed ACOS Results by Class - Sewer
Attachment BR-4, Schedule 7	Revenue Allocation Summary - Sewer
Attachment BR-5, Schedule 1	Proposed Consolidated Rate Design - Sewer
Attachment BR-5, Schedule 2	Standalone Rate Design - Sewer

28

supervision and direction.

- 5 -

Workpaper	Description
Workpaper BR-A1	Base Excess Factors - Water
Workpaper BR-A3	Mains Categorization - Water
Workpaper BR-B1	Annual Volume by Class - Water
Workpaper BR-B2	Volume by Class and Meter Size - Water
orkpaper BR-B3	Bills by Class and Meter Size - Water
Workpaper BR-B4	Revenues by Class - Water
Workpaper BR-B5	Peak Factors by Class - Water
Workpaper BR-B6	Uncollectible Allocators by Class - Water
Workpaper BR-B7	Meter Cost by Class - Water
Workpaper BR-C1	Proposed Consolidated Rate Design - Water
Workpaper BR-C2	Class Bill Impacts - Proposed Consolidated Rate Design - Water
Workpaper BR-C3	Standalone Rate Design - Water
Workpaper BR-C4	Class Bill Impacts - Standalone Rate Design - Water
Workpaper BR-D1	Average Monthly Volume by Class - Sewer
Workpaper BR-D2	Monthly Volume by Class - Sewer
Workpaper BR-D3	Bills by Class - Sewer
Workpaper BR-D4	Revenues by Class - Sewer
Workpaper BR-D5	Uncollectible Allocators by Class - Sewer
Workpaper BR-E1	Proposed Consolidated Rate Design and Bill Impacts - Sewer
CONFIDENTIAL Workpaper BR-F1	ACOS Model - Water
CONFIDENTIAL Workpaper BR-F2	ACOS Model - Sewer

- 6 -

#### II.ALLOCATED COST OF SERVICE - WATER

#### 2 Q9. WHAT IS THE PURPOSE OF A WATER ALLOCATED COST OF SERVICE 3 STUDY?

A9. The purpose of a water allocated cost of service ("ACOS") study is to allocate GBWC's overall 4 5 revenue requirement to the various customer classes in a manner that reflects the relative costs 6 of providing service to each class. This is accomplished by analyzing the capital and operating 7 costs of the Company and assigning these costs to individual customer classes on the basis of 8 how these costs are incurred and which customers benefit from such costs. The results of the 9 ACOS study can be utilized to determine the relative cost to provide service to each customer 10 class and to help determine the revenue responsibility of each individual class. The results will also provide useful guidance in terms of designing the rates for each customer class. 11

#### 13 **Q10.** WHAT COST ALLOCATION METHOD DID YOU USE IN YOUR WATER STUDY?

A10. Consistent with GBWC's past cost of service studies, I used the Base Extra Capacity method
for cost allocation in my study. The Base-Extra Capacity method is a widely used cost
allocation method by water utilities throughout the country. AWWA recognizes the Base-Extra
Capacity method as one of the two most widely used cost allocation methods.<sup>1</sup> This method
has been accepted by the Commission in the past.

19 20

21

12

#### Q11. PLEASE DESCRIBE THE BASE-EXTRA CAPACITY METHOD OF ALLOCATION IN MORE DETAIL.

A11. In the Base-Extra Capacity method, the various cost elements are assigned to various cost
 functions: base costs; extra capacity costs, customer facilities (meters and services); customer
 accounting; and direct fire costs.

Base costs include expenses that tend to vary directly with the amount of water consumed as well as other costs, both O&M and capital, that are incurred to provide service to customers

27

28

```
<sup>1</sup> AWWA Cost Manual, Principles of Water Rates, Fees and Charges, M1 Seventh Edition.
```

under average load conditions. The cost of chemicals used to treat water, cost of power used for pumping water, and purchased water are examples of expenses that tend to vary directly with the amount of water consumed. A portion of O&M and capital costs associated with supply, treatment, pumping, and transmission and distribution facilities are required to meet average usage and are considered base costs.

Extra capacity costs are costs associated with facilities used to provide water service during the peak times of use in excess of base (average) use. A portion of O&M and capital costs associated with certain facilities are required to meet excess usage and are considered extra capacity costs. Extra capacity costs are further subdivided into costs necessary to meet maximum day extra demand or maximum hour extra demand.

Customer costs tend to vary with the number of customers and not with the volume of water used or the peak demand placed on the system. These costs can be divided into two main cost components - costs associated with customer facilities, and customer accounting costs. Customer facilities costs are the capital and operating costs associated with meters and services. Customer accounting costs are operating costs associated with meter reading, billing, customer service and accounting, and collection.

Fire costs are the costs associated with fire protection services. These costs are related to public fire hydrants and private fire protection services and the system capacity required to meet those needs.

#### 23

24

25

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

## Q12. PLEASE BRIEFLY DESCRIBE THE GENERAL PROCESS YOU FOLLOWED IN YOUR ACOS STUDY.

A12. As mentioned earlier, the primary purpose of an ACOS study is to allocate GBWC's overall
revenue requirement to the various customer classes in a manner that reflects the relative costs
of providing service to each class (*i.e.*, cost causation). The first step in the ACOS study was

- 8 -

1		to assign each cost item to an activity. For water, these activities are supply; pumping;
2		treatment; transmission and distribution; customer service and billing; and meters.
3		
4		The second step was to assign each cost item to a functional cost category described above
5		(base, excess daily demand, excess hourly demand, meter, customer service and accounting,
6		and direct fire). The third and final step was the allocation of these various functionalized cost
7		elements to the various customer classes and determination of the total cost responsibility of
8		each class.
9		
10	Q13.	WHAT RATE CLASSES DID YOU CONSIDER IN YOUR WATER ACOS STUDY?
11	A13.	I considered the following classes in the Water ACOS study:
12		• Residential
13		• Multi-Residential
14		Non-Residential
15		Irrigation
16		
17	Q14.	HOW DID YOU ASSIGN EACH COST ITEM TO AN ACTIVITY?
18	A14.	The assignment of each cost item to an activity was primarily based on the Company's chart
19		of accounts and account description. For example, for water, Plant Account 320 (Water
20		Treatment Equipment) was assigned to Treatment activity, and Plant Account 331
21		(Transmission & Distribution Mains) was assigned to Transmission and Distribution activity.
22	Q15.	HOW DID YOU ASSIGN EACH COST ITEM TO A FUNCTIONAL COST
23		CATEGORY?
24	A15.	For water, each cost item was assigned to one of the six functional cost categories: base cost,
25		excess daily demand cost, excess hourly demand cost, meter and services, customer
26		accounting, and fire. The rate base items and expenses were assigned to one of these seven
27		functional cost categories.
28		
		- 9 -
I	I	CRWC 2024 Rate Case Vol 5 Rage 11 of 290

## GBWC\_2024 Rate Case\_Vol. 5, Page 11 of 389

1	Q16.	HOW DID YOU ASSIGN A FUNCTIONAL COST CATEGORY TO THE VARIOUS
2		RATE BASE ITEMS?
3	A16.	The assignment of functional cost categories to the rate base items followed the type of service
4		these assets are designed to provide.
5		• Facilities related to source of supply are designed to meet average load conditions and
6		hence were assigned to base cost function.
7		• The pumping plant and the treatment plant are designed to meet maximum day demand
8		and thus were assigned partially to base and partially to excess daily demand cost
9		functions.
10		• Transmission and distribution mains are designed to meet the maximum day as well as
11		maximum hour demand and were assigned partially to base, partially to excess day,
12		and partially to excess hourly demand cost functions.
13		• Storage facilities are designed to meet the maximum hour demand and were assigned
14		partially to base and partially to excess hourly demand cost functions. A portion of the
15		storage facilities was also assigned to the fire cost function.
16		• Investments in meters and services were assigned to the meter and service function.
17		• Investment in hydrants was assigned to the fire function.
18		• Indirect plant costs, such as general and intangible plant were allocated to functional
19		cost categories using internally developed factors that are based on plant ratios.
20		Attachment BR-2, Schedule 3 shows the assignment of each rate base item to a functional cost
21		category.
22		
23	Q17.	DID YOU CONDUCT ANY SPECIFIC ANALYSES ON ANY RATE BASE
24		ACCOUNT?
25	A17.	Yes. I conducted an analysis to sub-functionalize water mains between distribution and
26		transmission.
27		
28	Q18.	HOW DID YOU ASSIGN A FUNCTIONAL COST CATEGORY TO EXPENSES?
		- 10 -

GBWC\_2024 Rate Case\_Vol. 5, Page 12 of 389

1	A18. The assignment of functional cost categories to the expense items followed the type of service
2	these expenses are incurred to provide.
3	• The expenses associated with chemicals used to treat water, power used for pumping
4	water, and purchased water vary directly with the amount of water consumed and hence
5	were assigned to base costs.
6	• Other expense items were assigned to functional cost categories in a similar manner as
7	the associated rate base items. For example, similar to treatment plant, treatment related
8	O&M expenses were assigned partially to base and partially to excess daily demand
9	cost functions.
10	• Distribution O&M expenses were assigned to cost functions based on how distribution
11	plant was assigned to cost functions.
12	• Meter O&M expenses were assigned to the meter and service function.
13	• Hydrant O&M expenses were assigned to the fire function.
14	• Customer service and accounting expenses were assigned to the customer accounting
15	function.
16	• Indirect expenses items were allocated to functional cost categories using internally
17	developed factors that are based on plant or expense ratios. For example,
18	Administrative and General expenses were assigned to functions using the same basis
19	as the net plant was allocated to functions.
20	• Property Tax expense was assigned to functions using the same basis as the net plant
21	costs were allocated to functions. Payroll cost was assigned to functions using the same
22	basis as the total labor expense was allocated to functions.
23	• Depreciation expense was assigned to functions using the same basis as the total plant
24	costs were allocated to functions.
25	
26	Attachment BR-2, Schedule 3 shows the assignment of each expense item to a functional cost
27	category.
28	
	- 11 -
	CRIMC 2024 Pata Casa Val 5 Paga 12 of 200
	GBWC_2024 Rate Case_Vol. 5, Page 13 of 389

1	Q19.	HOW DID YOU ALLOCATE THE FUNCTIONALIZED COSTS TO EACH
2		CUSTOMER CLASS?
3	A19.	The assignment of allocation factors to each cost item is presented in Attachment BR-2,
4		Schedule 3. The allocation factors are summarized in Attachment BR-2, Schedule 4 and
5		Schedule 5.
6		
7	Q20.	PLEASE DESCRIBE THE FACTORS USED TO ALLOCATE THE BASE COSTS TO
8		THE VARIOUS CLASSES.
9	A20.	Base costs were allocated to the various customer classes using annual water consumption by
10		each class. The allocation factors are summarized in Attachment BR-2, Schedule 4 and the
11		calculations supporting the average consumption by class are presented in Workpapers BR-B1
12		and BR-B2.
13		
14	Q21.	WHAT FACTORS DID YOU USE TO ALLOCATE EXCESS DEMAND COSTS?
15	A21.	Excess daily demand costs were allocated to the various customer classes using excess daily
16		water demand by each class.
17		The excess daily water demand was calculated as the difference between estimated maximum
18		daily demand and average daily demand for each class. Similarly, excess hourly demand was
19		calculated as the difference between estimated maximum hourly demand and average hourly
20		demand for each class and was used to allocate excess hourly demand costs. The allocation
21		factors are summarized in Attachment BR-2, Schedule 4 and the calculations supporting the
22		excess daily and excess hourly demand are presented in Workpaper BR-B5.
23		
24	Q22.	HOW DID YOU ALLOCATE THE METER-RELATED COSTS TO THE VARIOUS
25		WATER CUSTOMERS?
26	A22.	Meter-related costs were allocated to the various classes based on the relative cost of meters
27		by meter size and count of meters used by each customer class. The allocation factors are
28		
		- 12 -
		 GBWC_2024 Rate Case_Vol. 5, Page 14 of 389

1		summarized in Attachment BR-2, Schedule 4 and the calculations supporting the development
2		of meter allocation factor is presented in Workpaper BR-B7.
3		
4	Q23.	WHAT FACTORS DID YOU USE TO ALLOCATE THE EXPENSES ASSOCIATED
5		WITH CUSTOMER ACCOUNTS TO THE CUSTOMER CLASSES?
6	A23.	Meter Reading expenses and customer service and accounting costs were allocated to classes
7		based on the number of bills sent to the customers. The allocation factors are summarized in
8		Attachment BR-2, Schedule 4 and the calculations supporting the development of these
9		allocation factors are presented in Workpapers BR-B3.
10		
11	Q24.	HOW WERE THE FIRE COSTS ALLOCATED?
12	A24.	Fire-related costs were allocated to the customer classes that based on the maximum hour
13		allocation factor of each class.
14		
15	Q25.	HOW DID YOU ALLOCATE THE VARIOUS INDIRECT COSTS?
16	A25.	Indirect costs like General and Intangible plant, and Administrative and General expenses were
16 17	A25.	Indirect costs like General and Intangible plant, and Administrative and General expenses were allocated using internally developed allocation factors within the study. The internal allocation
	A25.	
17	A25.	allocated using internally developed allocation factors within the study. The internal allocation
17 18	A25.	allocated using internally developed allocation factors within the study. The internal allocation
17 18 19		allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5.
17 18 19 20	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. PLEASE DISCUSS THE RESULTS OF THE WATER ACOS?
17 18 19 20 21	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. PLEASE DISCUSS THE RESULTS OF THE WATER ACOS? The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> </ol>	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. PLEASE DISCUSS THE RESULTS OF THE WATER ACOS? The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15 of this attachment shows the class rates of return ("ROR") by class and line 16 shows the index
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> </ol>	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. PLEASE DISCUSS THE RESULTS OF THE WATER ACOS? The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15 of this attachment shows the class rates of return ("ROR") by class and line 16 shows the index of ROR by class. Line 30 indicates the amount of revenue increase or decrease that would be
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> </ol>	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. PLEASE DISCUSS THE RESULTS OF THE WATER ACOS? The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15 of this attachment shows the class rates of return ("ROR") by class and line 16 shows the index of ROR by class. Line 30 indicates the amount of revenue increase or decrease that would be required for each rate class to produce ROR equal to the Company's overall required rate of
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> </ol>	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. <b>PLEASE DISCUSS THE RESULTS OF THE WATER ACOS?</b> The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15 of this attachment shows the class rates of return ("ROR") by class and line 16 shows the index of ROR by class. Line 30 indicates the amount of revenue increase or decrease that would be required for each rate class to produce ROR equal to the Company's overall required rate of return. The return at current rates and the revenue change needed to bring all the classes to the
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> </ol>	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. <b>PLEASE DISCUSS THE RESULTS OF THE WATER ACOS?</b> The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15 of this attachment shows the class rates of return ("ROR") by class and line 16 shows the index of ROR by class. Line 30 indicates the amount of revenue increase or decrease that would be required for each rate class to produce ROR equal to the Company's overall required rate of return. The return at current rates and the revenue change needed to bring all the classes to the
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> <li>27</li> </ol>	Q26.	allocated using internally developed allocation factors within the study. The internal allocation factors are summarized in Attachment BR-2, Schedule 5. PLEASE DISCUSS THE RESULTS OF THE WATER ACOS? The overall results of the ACOS study are presented in Attachment BR-2, Schedule 1. Line 15 of this attachment shows the class rates of return ("ROR") by class and line 16 shows the index of ROR by class. Line 30 indicates the amount of revenue increase or decrease that would be required for each rate class to produce ROR equal to the Company's overall required rate of return. The return at current rates and the revenue change needed to bring all the classes to the

GBWC\_2024 Rate Case\_Vol. 5, Page 15 of 389

			a	Proposed		Percent	
Ra	te Class	ROR	Current Revenues	Revenues at Equalized ROR	Dollar Incre / (Decrease	ase Increase /	Rat
	dential	5.06%	\$11,194,516	\$12,937,473	\$1,742,9		1
Mult Non-	i-Res	6.41%	\$446,672	\$487,810	\$41,		0
	dential	8.70%	\$2,260,666	\$2,242,260	(\$18,4	06) -0.81%	-0
Irriga		4.03%	\$866,364	\$1,051,170	\$184,		1
Syste	em Total	5.49%	\$14,768,218	\$16,718,714	\$1,950,4	496 13.21%	1
Q27.	WHAT IS	THE PRO	POSED REVI	ENUE REQUI	IREMENT A	T EQUALIZED	ROR
	BE COLL	ECTED FR	OM BASE R	ATES?			
A27.	To calculat	te the revenue	ie requirement	t at equalized l	ROR to be co	llected from base	rates
	other rever	ues are ded	ucted from the	e system total 1	revenue requi	rement by class. I	ine 2
	Attachmen	t BR-2, Sche	edule 1 present	s the revenue re	equirement to	be collected from	base
				in the table bel	•		
	at equalized						
		TABLE	2: REVENU	ES AT EQUA	LIZED ROR	- WATER	-
		Prop			Derro	Base Rate	
	K	Rate Class		ues at Othe d ROR		Revenues at Equalized ROR	
	Residen		\$12,9	937,473	\$331,763	\$12,605,710	1
	Multi-R			487,810	\$13,238	\$474,573	
	Non-Re Irrigatio	sidential		242,260 051,170	\$66,998 \$25,676	\$2,175,263 \$1,025,495	
	System			718,714	\$437,674	\$16,281,040	-
			·	·	·		
Q28.					IE REVENU	JE REQUIREM	ENT
	FUNCTIC	NAL COST	<b>F</b> CATEGOR	Y?			
	Yes, the su	ummary of t	he revenue rec	quirement by f	functional cos	t category for eac	h cla
A28.		n Attachme	nt BR-2, Sche	dule 2. The tot	tal rate base a	nd revenue requir	emer
A28.	presented i		l in Table 3 be	elow. As the ta	ble below ind	licates, 45% of tot	al sy
A28.		summarized				avaass appaits a	osts.
A28.	function is		base cost wh	ile 33% is ass	ociated with	EXCESS CADACITY C	~~~~
A28.	function is cost is asso	ociated with		ile 33% is ass			
A28.	function is cost is asso reinforces	ociated with the fact that	significant po	ortions of the	revenue requi	rement are associ ge load conditions	ated

GBWC\_2024 Rate Case\_Vol. 5, Page 16 of 389

	<u> </u>					
3		Function	Rate Base	% of Total	Revenue Requirement	% of Total
4	- Ro	se Cost	\$18,217,508	30.39%	\$7,570,502	45.28%
5		tra Capacity - Max				
6	Da	y y	\$4,998,611	8.34%	\$1,185,204	7.09%
7	Ex Ho	tra Capacity - Max ur	\$20,206,621	33.71%	\$4,394,849	26.29%
	M	eters & Services	\$15,240,353	25.43%	\$2,806,090	16.78%
8						3.38%
9	Fi		\$1,211,541	2.02%	\$197,648	1.18%
10	Sy	stem Total	\$59,939,474	100.00%	\$16,718,714	100.00%
10						
11	Q29.	DID YOU PERFORM	M UNIT COST AN	NALYSES BY	RATE CLASS?	
12	A29.	Yes, the unit cost ana	lyses are presented	in Attachmen	t BR-2, Schedule 2.	For simplicity I
13		have presented the uni	t cost of extra capa	city costs on a p	per volume basis.	
14	Q30.	ARE YOU PROVID	ING THE EXCEL	VERSION O	F THE WATER A(	COS STUDY?
15	A30.	Yes, the excel version	of the water ACOS	Study is provi	ded as CONFIDENT	TAL Workpaper
16		BR-F1.				
17						
18		II	I. <u>PROPOSED RA'</u>	TE DESIGN -	WATER	
19	Q31.	ARE THERE GENE	RAL RATE DESI	GN PRINCIP	LES THAT ARE A	CCEPTED BY
20		THE UTILITY IN	DUSTRY, INCLU	DING THE	WATER AND W	ASTEWATER
21		<b>INDUSTRIES?</b>				
22	A31.	Yes. As a general ma	atter, utility rate an	alysts have fol	lowed the eight ger	neral rate design
23		criteria proposed by D	or. James C. Bonbri	ght in his book	"Principles of Publi	c Utility Rates",
24		first published in 1961	1. <sup>2</sup> These principles	laid out in his	book have remained	viable for more
25		than six decades now a	and are still relevan	t.		
26						
27	<sup>2</sup> Bont	oright, James C. (1961).	Principles of Publi	c Utility Rates,	New York: Columb	ia University
28	Press.					
			-	15 -		
I	I			24 Data C	Dag Val E Da	 

GBWC\_2024 Rate Case\_Vol. 5, Page 17 of 389

1	Q32.	PLEASE BRIEFLY DESCRIBE THE GENERAL RATE DESIGN CRITERIA
2		PROPOSED BY DR. BONBRIGHT.
3	A32.	The rate structure should be simple to understand and should be free from controversies
4		regarding interpretation. The rates should be such that it results in the recovery of the total
5		revenue requirement under the "fair return" standard. The rates should also result in stable
6		revenue for the company year over year. There should be continuity in rates such that changes
7		to the rate structure are not abrupt and unexpected. The rates should be fair so that each
8		customer class pays its total cost of serving that class. The rates should promote efficiency by
9		encouraging justified use while also discouraging wasteful use.
10	Q33.	ARE THE CRITERIA PROPOSED BY DR. BONBRIGHT CONSISTENT WITH
11		EACH OTHER?
12	A33.	No, they are not required to be. For example, designing rates strictly based on cost of serving
13		a particular class could conflict with the goal of achieving rate stability and gradualism.
14		
15	Q34.	DID YOU FOLLOW THESE RATE-DESIGN CRITERIA IN THE PROPOSED
16		<b>REVENUE ALLOCATION AND RATE DESIGN?</b>
17	A34.	Yes. I generally followed these criteria in the proposed revenue allocation and rate design.
18		However, as mentioned earlier, some of these criteria conflict with one another and so any
19		proposal will not be able to entirely meet every single criterion. However, I placed more weight
20		on the three criteria that Dr. Bonbright considered to be the primary criteria - the revenue
21		recovery criterion; fairness of rates to customer class criterion; and the efficiency criterion. <sup>3</sup>
22		
23	Q35.	HOW DID YOU DETERMINE THE PROPOSED BASE RATE REVENUE
24		RESPONSIBILITY FOR EACH CLASS?
25		
26		
27	<sup>3</sup> Bont	oright, James C. (1961). Principles of Public Utility Rates, New York: Columbia University
28	Press,	p. 292.
		- 16 -
	I	

GBWC\_2024 Rate Case\_Vol. 5, Page 18 of 389

A35. The proposed base rate revenue responsibility for each class is guided by the results of the ACOS study. Due to gradualism considerations, I am not proposing to allocate revenue responsibility to each class based on the full cost to serve them. Instead, I applied a constraint to cap the increase to any one class to 1.15 times the system increase. The cap ensures that the rate impacts to individual customer classes are mitigated while also making movement towards cost of service for each class. The table below presents the final revenue allocated to each class.

**TABLE 4: PROPOSED BASE RATE REVENUES - WATER** 

Rate Class	Current Base Revenues	Proposed Base Rate Revenues	Increase (\$)	Increase (%)	
Residential	\$10,948,044	\$12,550,238	\$1,602,194	14.6%	
Multi-Res	\$436,838	\$482,028	\$45,190	10.3%	
Non-Residential	\$2,210,892	\$2,277,488	\$66,596	3.0%	
Irrigation	\$847,289	\$971,285	\$123,997	14.6%	
System Total	\$14,443,063	\$16,281,040	\$1,837,977	12.7%	

### 

#### Q36. WHAT IS THE COMPANY'S PROPOSED RATE DESIGN?

A36. The Company is proposing to consolidate the rates across all four divisions. However, due to bill impact considerations, the Company is proposing to phase-in the full consolidation of rates over a three-year period.

#### 

#### Q37. PLEASE BRIEFLY DESCRIBE THE CONCEPT OF RATE CONSOLIDATION.

A37. Rate consolidation is the process of combining all of the current four divisions such that it results in condensing of the number of tariffs or rate classes within the Company's service territories. After completion of rate consolidation, the rates by customer class are the same across all four divisions. Rate consolidation leads to the same rates and rate structure for the same service rendered by a water company regardless of the customer's location. As discussed below, rate consolidation leads to several benefits for the customers as well as the Company.

#### Q38. WHAT ARE THE PRIMARY BENEFITS OF RATE CONSOLIDATION?

A38. A properly designed rate consolidation will be beneficial to the customers as well as the Company. The primary benefits associated with rate consolidation are:

- 17 -

GBWC\_2024 Rate Case\_Vol. 5, Page 19 of 389

• Simplified billing and administrative functions for the utility, which will lead to efficiency gains and ultimately benefit the customers in the form of lower revenue requirement and lower rates.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

- Rate consolidation can also lead to optimized capital investment whereby the system planning considerations are for a larger system comprising multiple divisions instead of numerous small districts. This will be particularly important for smaller divisions, where capital improvement decisions and the attendant service quality consequences are weighed against whether the customer base can sustain the resulting costs.
- Since water and sewer companies are very capital intensive and these capital investments are lumpy in nature, rate consolidation can mitigate the resulting rate impacts associated with the capital investments by allowing the revenue requirement to be spread over a relatively larger customer base. This is particularly beneficial for smaller divisions, where the rate impact can be very significant.
  - A simplified and consistent rate structure resulting from rate consolidation will also help in achieving specific policy goals set by the Company or by the PUC. For example, conservation goals are much easier to implement when many divisions have the same rate structure than when each division has unique rates and rate structure (different basic charges, different number of tiers, different tier blocks, etc.).
- 20 Q39. WOULD YOU PLEASE DESCRIBE THE PROPOSED CONSOLIDATED RATES 21 FOR WATER?

A39. Yes. The proposed consolidated rates were designed to collect the allocated revenue
 requirement from each class. The Company is proposing to consolidate the volumetric and
 basic service charge as well as the tiers and tier breakpoints across all four divisions. The
 proposed rates are summarized in Attachment BR-3, Schedule 1. The detailed rate design is
 provided in Workpaper BR-C1. The bill impacts associated with the proposed rates as
 compared to the current rates for average user in each class are summarized in Workpaper BR-C2.

- 18 -

#### GBWC\_2024 Rate Case\_Vol. 5, Page 20 of 389

1	Q40.	ARE THERE ANY UNIQUE RATES THAT YOU ARE NOT PROPOSING TO
2		CONSOLIDATE?
3	A40.	Yes. The transmission irrigation class is unique to Pahrump water and thus I am proposing a
4		different rate treatment for them. The transmission irrigation class has its own water rights and
5		only utilizes a small portion of the Company's infrastructure. As a result, I developed a separate
6		revenue requirement for this class and designed cost-based rates to recover that revenue
7		requirement directly assigned to them.
8		
9		IV. <u>STANDALONE RATE DESIGN - WATER</u>
10	Q41.	IS THE COMPANY PROPOSING STANDALONE RATE DESIGN?
11	A41.	No. The Company's proposal is to consolidate rates across the four divisions. However, as
12		compliance with the stipulation from the last rate case, the Company is also providing
13		standalone rates for each division as an alternative if consolidation is not approved.
14		
15	Q42.	ARE YOU PROPOSING TO CHANGE THE CURRENT RATE STRUCTURE IN THE
16		STANDALONE RATE DESIGN?
17	A42.	No. Under the standalone rate design, the existing rate structure for water services was
18		maintained. I increased all components of the rate in proportion to the revenue increase for
19		each class.
20		
21	Q43.	WOULD YOU PLEASE DESCRIBE THE STANDALONE RATES FOR WATER?
22	A43.	Yes. The standalone rates were designed to collect the allocated revenue requirement from
23		each class within each division. The standalone rates are summarized in Attachment BR-3,
24		Schedule 2. The detailed standalone rate design is provided in Workpaper BR-C3 and the bill
25		impacts associated with the standalone rates as compared to the current rates for average
26		customer in each class are summarized in Workpaper BR-C4.
27		V. <u>ALLOCATED COST OF SERVICE - SEWER</u>
28	Q44.	WHAT IS THE PURPOSE OF A SEWER ALLOCATED COST OF SERVICE STUDY?
		- 19 -

GBWC\_2024 Rate Case\_Vol. 5, Page 21 of 389

1	A44.	Similar to the water ACOS study, the purpose of a sewer ACOS study is to allocate GBWC's
2		overall revenue requirement to the various customer classes in a manner that reflects the
3		relative costs of providing service to each class. This is accomplished by analyzing the capital
4		and operating costs of the Company and assigning these costs to individual customer classes
5		on the basis of how these costs are incurred and which customers benefit from such costs. The
6		results of the ACOS study can be utilized to determine the relative cost to provide service to
7		each customer class and to help determine the revenue responsibility of each individual class.
8		The results will also provide useful guidance in terms of designing the rates for each customer
9		class.
10		
11	Q45.	WHAT COST ALLOCATION METHOD DID YOU USE IN YOUR SEWER STUDY?
12	A45.	I used the same cost allocation method used in the past GBWC rate case. This methodology is
13		consistent with the guidance provided in the industry standard source published by the Water
14		Environment Federation ("WEF"). <sup>4</sup>
15		
16	Q46.	PLEASE BRIEFLY DESCRIBE THE GENERAL PROCESS YOU FOLLOWED IN
17		YOUR SEWER ACOS STUDY.
18	A46.	As mentioned earlier, the primary purpose of a sewer ACOS study is to allocate GBWC's
19		overall revenue requirement to the various customer classes in a manner that reflects the
20		relative costs of providing service to each class ( <i>i.e.</i> , cost causation). The first step in the ACOS
21		study was to assign each cost item to an activity. For sewer, these activities are collection;
22		pumping; treatment; and customer service and billing.
23		The second step was to assign each cost item to a functional cost category. The functional cost
24		categories are volume-related (base costs), and customer-related. The third and final step was
25		
26		
27	<sup>4</sup> Man	ual of Practice No. 27, Financing and Charges for Wastewater Systems, Water Environment
28	Federa	ation (WEF M27 Manual).
		- 20 -
		GBWC 2024 Pate Case Vol 5 Page 22 of 380

GBWC\_2024 Rate Case\_Vol. 5, Page 22 of 389

	the allocation of these various functionalized cost elements to the various customer classes and
	determination of the total cost responsibility of each class.
	WHAT RATE CLASSES DID YOU CONSIDER IN YOUR WATER ACOS STUDY?
A47.	I considered the following classes in the Sewer ACOS study:
	• Residential
	Non-Residential
Q48.	HOW DID YOU ASSIGN EACH COST ITEM TO AN ACTIVITY?
A48.	The assignment of each cost item to an activity was primarily based on the Company's chart
	of accounts and account description. For example, Account 361 (Wastewater Collecting
	Mains) was assigned to the Collection activity, and Account 380 (Treatment and Disposal
	Equipment) was assigned to the Treatment activity.
Q49.	HOW DID YOU ASSIGN EACH COST ITEM TO A FUNCTIONAL COST
	CATEGORY?
A49.	For sewer, each cost item was assigned to one of the two functional cost categories: base cost,
	and customer cost. The rate base items and expenses were assigned to one of these two
	functional cost categories.
Q50.	HOW DID YOU ASSIGN A FUNCTIONAL COST CATEGORY TO THE VARIOUS
	RATE BASE ITEMS?
A50.	The assignment of functional cost categories to the rate base items followed the type of service
A50.	The assignment of functional cost categories to the rate base items followed the type of service these assets are designed to provide.
A50.	
A50.	these assets are designed to provide.
A50.	<ul><li>Facilities related to collection, pumping, and treatment activity vary with the quantity</li></ul>
A50.	<ul> <li>these assets are designed to provide.</li> <li>Facilities related to collection, pumping, and treatment activity vary with the quantity of wastewater generated and hence were assigned to base cost function.</li> </ul>
A50.	<ul> <li>these assets are designed to provide.</li> <li>Facilities related to collection, pumping, and treatment activity vary with the quantity of wastewater generated and hence were assigned to base cost function.</li> <li>Indirect plant costs, such as general and intangible plant were allocated to functional</li> </ul>
	<b>Q49.</b> A49.

GBWC\_2024 Rate Case\_Vol. 5, Page 23 of 389

1		Attachment BR-4, Schedule 3 shows the assignment of each of the rate base items to a
2		functional cost category.
3		
4	Q51.	HOW DID YOU ASSIGN A FUNCTIONAL COST CATEGORY TO EXPENSES?
5	A51.	The assignment of functional cost categories to the expense items followed the type of service
6		these expenses are incurred to provide.
7		• The expense associated with pumping and collection was assigned to the base cost.
8		• Similar to treatment plant, O&M associated with treatment was assigned partially to
9		base cost.
10		• Customer service and accounting expenses were assigned to the customer accounting
11		function.
12		• Indirect expenses items were allocated to functional cost categories using internally
13		developed factors that are based on plant or expense ratios. For example,
14		Administrative and General expenses were assigned to functions using the same basis
15		as the net plant was allocated to functions.
16		• Property Tax expense was assigned to functions using the same basis as the net plant
17		costs were allocated to functions. Payroll cost was assigned to functions using the same
18		basis as the total labor expense was allocated to functions.
19		• Depreciation expense was assigned to functions using the same basis as the plant costs
20		were allocated to functions.
21		
22		Attachment BR-4, Schedule 3 shows the assignment of each expense item to a functional cost
23		category.
24		
25	Q52.	HOW DID YOU ALLOCATE THE FUNCTIONALIZED COSTS TO EACH
26		CUSTOMER CLASS?
27	A52.	The assignment of allocation factors to each cost item is presented in Attachment BR-4,
28		Schedule 3. The allocation factors are summarized in Attachment BR-4, Schedule 4 and 5.
		- 22 -
		CRWC 2024 Rate Case Val 5 Rage 24 of 290

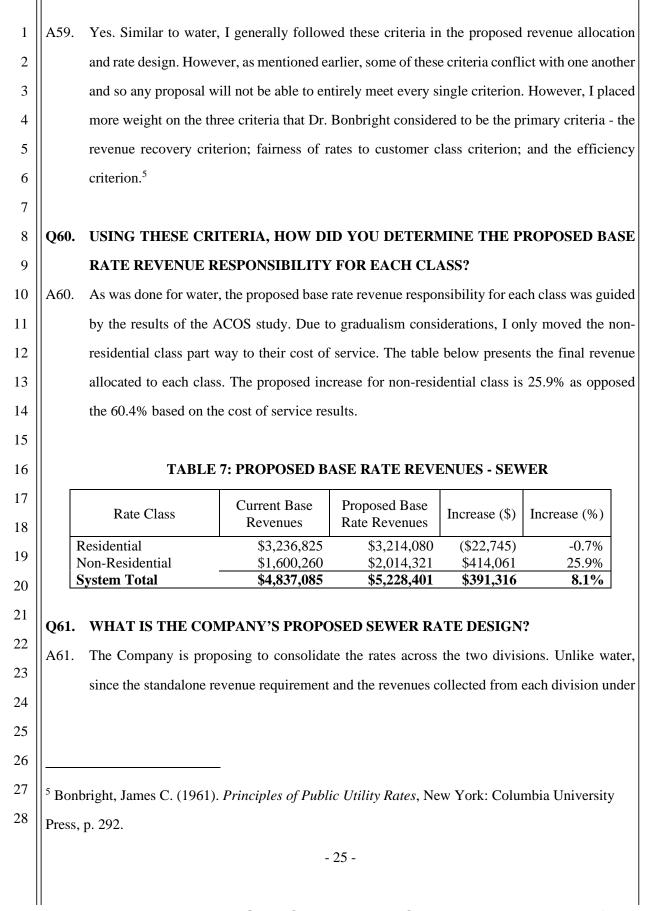
GBWC\_2024 Rate Case\_Vol. 5, Page 24 of 389

1		
2	Q53.	PLEASE DESCRIBE THE FACTORS USED TO ALLOCATE THE BASE COSTS TO
3		THE VARIOUS CLASSES.
4	A53.	Base costs were allocated to the various customer classes using the estimated annual
5		wastewater produced by each class. This estimate was based on 2023 metered winter water
6		consumption. The allocation factors are summarized in Attachment BR-4, Schedule 4 and the
7		calculations supporting the average consumption by class are presented in Workpaper BR-D2.
8		
9	Q54.	WHAT FACTORS DID YOU USE TO ALLOCATE THE EXPENSES ASSOCIATED
10		WITH CUSTOMER ACCOUNTS TO THE CUSTOMER CLASSES?
11	A54.	Customer service costs were based on customer counts. The allocation factors are summarized
12		in Attachment BR-4, Schedule 4 and the calculations supporting the bill count by class are
13		presented in Workpaper BR-D3.
14		
15	Q55.	HOW DID YOU ALLOCATE THE VARIOUS INDIRECT COSTS?
16	A55.	Indirect costs like General and Intangible plant, and Administrative and General expenses were
17		allocated using internally developed allocation factors within the study. The internal allocation
18		factors are summarized in Attachment BR-4, Schedule 5.
19		
20	Q56.	PLEASE DISCUSS THE RESULTS OF THE SEWER ACOS?
21	A56.	The overall results of the ACOS study are presented in Attachment BR-4, Schedule 1. Line 15
22		of this exhibit shows the class ROR by class and line 16 shows the index of ROR by class.
23		Line 30 indicates the amount of revenue increase or decrease that would be required for each
24		rate class if the goal were to have all classes produce ROR equal to the Company's overall
25		required rate of return. The return at current rates and the revenue change needed to bring all
26		the classes to the proposed overall system return is shown in Table 5 below.
27		
28		
		- 23 -

GBWC\_2024 Rate Case\_Vol. 5, Page 25 of 389

	Rate Class	ROR	Current Revenues	Proposed Revenues at Equalized ROR	Dollar Increase / (Decrease)	Percent Increase / (Decrease)	Ra
	sidential	17.08%	\$3,274,124	\$2,688,533	(\$585,591)	-17.9%	-
l	on-Residential	-7.05%	\$1,618,701	\$2,595,607	\$976,906	60.4%	
Syste	em Total	5.48%	\$4,892,824	\$5,284,140	\$391,316	8.0%	
<b>Q57.</b> A57.	WHAT IS THI BE COLLECT To calculate the other revenues	ED FROM BA	ASE RATES?	lized ROR to b	e collected f	rom base rate	es, t
	Attachment BR at equalized RO	4, Schedule 1 p	presents the reve	enue requiremen	-	-	
	Г	ABLE 6: REV	ENUES AT E	QUALIZED F	ROR - SEWI	ER	
			Proposed		Base		
	Rate	e Class	Revenues at	Other Revenues	Reven		
			Equalized ROR	Kevenues	Equal RO		
	Residential		\$2,688,533	\$37,2		51,234	
	Non-Resid System To	—	\$2,595,607			77,167	
	Nystem 10	tal	\$5,284,140	\$55,7	39 \$5,2	28,401	
	Bystem 10						
Q58.	ARE YOU PR	OVIDING TH	E EXCEL VE	RSION OF TH	IE SEWER	ACOS STUI	DY?
<b>Q58.</b> A58.							
-	ARE YOU PRO Yes, the excel v						
-	ARE YOU PRO						
-	ARE YOU PRO Yes, the excel v	ersion of the se	wer ACOS Stud	dy is provided a	IS CONFIDE		
-	ARE YOU PRO Yes, the excel v	ersion of the se	wer ACOS Stud		IS CONFIDE		
-	ARE YOU PRO Yes, the excel v	ersion of the sev VI. <u>PROP(</u>	wer ACOS Stud DSED RATE I	dy is provided a DESIGN - SEV	as CONFIDE <u>VER</u>	NTIAL Worł	крар
A58.	ARE YOU PRO Yes, the excel v BR-F2.	ersion of the sev VI. <u>PROP(</u>	wer ACOS Stud DSED RATE I E RATE-DES	dy is provided a DESIGN - SEV SIGN CRITE	as CONFIDE <u>VER</u>	NTIAL Worł POSED BY	kpap D
A58.	ARE YOU PRO Yes, the excel v BR-F2. DID YOU FOR BONBRIGHT	ersion of the sev VI. <u>PROP(</u> OLLOW THI YOU LIST	wer ACOS Stud <u>DSED RATE I</u> E RATE-DES FED EARLI	dy is provided a DESIGN - SEV SIGN CRITE ER WHEN	as CONFIDE V <u>ER</u> RIA PROI	NTIAL Worł POSED BY	kpap D
A58.	ARE YOU PRO Yes, the excel v BR-F2.	ersion of the sev VI. <u>PROP(</u> OLLOW THI YOU LIST	wer ACOS Stud <u>DSED RATE I</u> E RATE-DES FED EARLI	dy is provided a DESIGN - SEV SIGN CRITE ER WHEN	as CONFIDE V <u>ER</u> RIA PROI	NTIAL Worł POSED BY	kpap D
A58.	ARE YOU PRO Yes, the excel v BR-F2. DID YOU FOR BONBRIGHT	ersion of the sev VI. <u>PROP(</u> OLLOW THI YOU LIST	wer ACOS Stud <u>DSED RATE I</u> E RATE-DES FED EARLI	dy is provided a DESIGN - SEV SIGN CRITE ER WHEN	as CONFIDE V <u>ER</u> RIA PROI	NTIAL Worł POSED BY	kpap D

GBWC\_2024 Rate Case\_Vol. 5, Page 26 of 389



GBWC\_2024 Rate Case\_Vol. 5, Page 27 of 389

1		the consolidated rate design are very similar, the Company is not proposing a phasing-in of the	
2		sewer rates.	
3			
4	Q62.	PLEASE DESCRIBE THE PROPOSED CONSOLIDATED RATES FOR SEWER?	
5	A62.	The proposed consolidated rates were designed to collect the allocated revenue requirement	
6		from each class. The proposed rates are summarized in Attachment BR-5, Schedule 1. The	
7		detailed rate design and the bill impacts associated with the proposed consolidated rates as	
8		compared to the current rates for average user in each class are summarized in Workpaper BR-	
9		E1.	
10			
11		STANDALONE RATE DESIGN - SEWER	
12	Q63.	IS THE COMPANY PROPOSING STANDALONE RATE DESIGN?	
13	A63.	No. The Company's proposed rate design is to consolidate rates across the two sewer divisions.	
14		However, as compliance with the stipulation from the last case, the Company is also providing	
15		standalone rates for each division that collect the revenue requirement associated with each	
16		division.	
17			
18	Q64.	ARE YOU PROPOSING TO CHANGE THE CURRENT RATE STRUCTURES?	
19	A64.	No. The existing rate structure for sewer services was maintained. I increased each component	
20		of the current rates in proportion to the revenue increase for each division.	
21			
22	Q65.	WOULD YOU PLEASE DESCRIBE THE STANDALONE RATES FOR SEWER?	
23	A65.	Yes. The proposed rates were designed to collect the total revenue requirement from each	
24		division. The standalone sewer rates are summarized in Attachment BR-5, Schedule 2. The	
25		detailed rate design and the bill impacts resulting from the standalone rates are presented in	
26		Workpaper BR-E2.	
27	Q66.	DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?	
28	A66.	Yes.	
		- 26 -	
			l

GBWC\_2024 Rate Case\_Vol. 5, Page 28 of 389

1	AFFIRMATION
2	
3	Pursuant to Section 703.710 of the Nevada Administrative Code, I hereby affirm that the
4	foregoing testimony was prepared by me or under my direction and is correct to the best of my
5	knowledge.
6	2 Firma
7	Signed:
8	12/04/2024
9	Dated:
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20 21	
21	
23	
24	
25	
26	
27	
28	

## Attachment BR-1 to Exhibit \_\_\_\_\_

## Attachment BR-1 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 30 of 389



BICKEY RIMAL

ASSISTANT VICE PRESIDENT

Mr. Rimal has over 15 years of progressive experience in the energy and environmental sector. He has contributed to projects involving revenue requirement, cost of service, rate design, expert testimony preparation, energy market assessments, and utility performance benchmarking. His work often involves financial modeling, statistical analysis, and regulatory research. Mr. Rimal has provided expert testimony on cost allocation issues on multiple occasions. He has extensively used Concentric's Excel-based macro-driven Allocated Class Cost-of-Service ("ACCOS") model for various electric, gas, and water utility clients, modifying and updating the model as needed to suit the specific needs of the clients. Mr. Rimal has a Masters in International Public Affairs with a focus on Energy Policy from the University of Wisconsin in Madison. Prior to enrolling in the graduate program, Mr. Rimal worked at a global energy and environmental consulting firm for three years. While there, Mr. Rimal was extensively involved in projects dealing with policy design and implementation, economic impact analysis, regulatory evaluation, and environmental risk assessment.

#### **REPRESENTATIVE PROJECT EXPERIENCE**

Regulatory Proceedings and Litigation Support

Mr. Rimal has been involved in projects dealing with all aspects of regulatory ratemaking process. Mr. Rimal has extensively used Concentric's excel-based macro driven Allocated Class Cost-of-Service ("ACCOS") model for various utility clients. He has modified and updated the model as needed to suit the specific needs of the clients.

Representative engagements have included:

- ï Conducted various cost allocation studies, functional studies, and minimum system studies and filed testimony supporting those studies for a vertically integrated Midwest electric utility.
- i Supported the development of an allocated class cost of service study and rate design for another vertically integrated Midwest electric utility. Mr. Rimal was directly involved in conducting special cost allocations and functional studies; developing cost of service studies; designing the rates and calculating the associated bill impacts.
- i Supported the development of an allocated class cost of service study and rate design for a distribution only electric utility in Pennsylvania. Mr. Rimal modified Concentric's ACCOS model to incorporate three distinct test years simultaneously and automated the results creation process.
- i Responsible for the development of various cost allocation studies for two electric utilities in New York as part of the cost of service study.
- i Supported the developed revenue requirement model to comply with a new performance based formula ratemaking process for a Midwest electric utility.



- i Supported cash working capital studies on multiple cases by conducting billing lag analysis involving extremely large data sets utilizing SPSS and R software.
- ï Created model in R to statistically compare hourly load data between two distinct types of meters to assist a utility in its load research program.
- ï Created an excel based benchmarking model that have been used on multiple occasions to assess performance of several utilities against various peer groups.
- i Supported the development of a rate model to calculate the annual cost of service rates as well as a levelized rate for conversion of an oil pipeline into a natural gas pipeline.

#### Market Assessment and Asset Optimization Review

- <sup>ï</sup> Involved on projects, with two different gas utilities in the Northwest, that forecasted the evolution of demand for compressed natural gas and liquefied natural gas in the transportation sector in their respective territories. Mr. Rimal developed models to analyze the market penetration of different transportation fuels under various fuel price spread scenarios and other market dynamics.
- i Estimated the impact on electricity prices due to pre-mature closure of certain nuclear facilities using regression analysis. Validated the price impacts by analyzing the generation supply curve for the location in question.
- i Annual assessment of asset manager's performance on multiple occasions by conducting asset optimization analysis of client's natural gas portfolio consisting of both transportation and storage assets.

#### Valuation

- ï Created a Discounted Cash Flow ("DCF") model to value a generic regulated natural gas local distribution company ("LDC"). The model was customized to create valuation for any LDC covered by SNL Financial by automating the data retrieval process from SNL based on user input. The model had an added functionality of triggering a revenue enhancement when the earned ROE was outside certain pre-established thresholds.
- ï Created Discounted Cash Flow ("DCF") models to assess the profitability of various generic units operating in the New York Control Area for NYISO.

#### Capacity Price Forecasting

i Updated and modified Concentric's Capacity model used to forecast capacity prices for various regions within NYISO based on existing and planned generation, planned retirements, transmission constraints, market mitigation rules, gross and net CONE estimates, and other relevant demand curve parameters.

#### Relevant ICF Experience

While at ICF, Mr. Rimal was part of a team that assisted the EPA's Clean Air Market Division (CAMD) in analyzing the effect of environmental policies on power generation sector. As a part of this effort, he was significantly involved in executing as well as maintaining and



updating the Technology Retrofit and Updating Model (TRUM). The TRUM model simulates the action of the electric utilities industry under a multi-pollutant emissions trading program.

- i Assisted in the creation of an excel model that assessed the impacts of GHG mitigation policies on the competitiveness of the US manufacturing industries.
- i Provided support to the Hours of Service regulation by analyzing different crash related data to identify main causes of fatigue among drivers by utilizing logistic regression models.

#### **PROFESSIONAL HISTORY**

#### Concentric Energy Advisors, Inc. (2011 - Present)

Assistant Vice President Senior Project Manager Project Manager Senior Consultant Consultant Assistant Consultant Associate

#### ICF International (2006 - 2009)

Associate Analyst Research Assistant

#### **EDUCATION**

**University of Wisconsin – Madison** M.A., International Public Affairs, 2011

#### **Colgate University**

B.A., Chemistry, Colgate University, 2006

#### **ARTICLES AND PUBLICATIONS**

Nemet Gregory F., Braden Peter, Cubero Ed, Rimal Bickey. Four decades of multiyear targets in energy policy: aspirations or credible commitments? WIREs Energy Environ. 2014, 3: 522-533.

#### **AVAILABLE UPON REQUEST**

Extensive client and project references, and specific references.



SPONSOR	DATE	CASE/APPLICANT	DOCKET	SUBJECT			
Arizona Corporation Commission							
Epcor Water Arizona Inc.	2020	Epcor Water Arizona Inc.	Docket No. WS-01303A- 20-0177	Embedded Cost of Service and Rate Design; Weather Normalization Adjustment			
Epcor Water Arizona Inc.	2022	Epcor Water Arizona Inc.	Docket No. WS-01303A- 22-0236, et al.	Embedded Cost of Service and Rate Design			
Connecticut Public Utilities Regulatory Authority							
The Connecticut Water Company	2021	The Connecticut Water Company	Docket No. 20- 12-30	Allocated Cost of Service, Rate Design and Rate Consolidation			
The United Illuminating Company	2022	The United Illuminating Company	Docket No. 22- 08-08	Allocated Cost of Service and Rate Design			
Connecticut Natural Gas Corporation and The Southern Connecticut Gas Company	2023	Connecticut Natural Gas Corporation and The Southern Connecticut Gas Company	Docket No, 23- 11-02	Allocated Cost of Service and Rate Design			
The United Illuminating Company	2024	The United Illuminating Company	Docket No. 24- 10-04	Allocated Cost of Service and Rate Design			
Indiana Utility Regulatory Commission							
Northern Indiana Public Service Co.	2015	Northern Indiana Public Service Co.	Cause No. 44688	Cost Allocation			
Northern Indiana Public Service Co.	2018	Northern Indiana Public Service Co.	Cause No. 45159	Cost Allocation			
Indianapolis Power & Light Co.	2019	Indianapolis Power & Light Co.	Cause No. 45211	Cost Allocation as it relates to a Special Contract			
AES Indiana	2023	AES Indiana	Cause No. 45911	Embedded Cost of Service and Rate Design			
Duke Energy Indiana	2024	Duke Energy Indiana	Cause No. 46038	Minimum System Study			
Maine Public Utilities Commission							



SPONSOR	DATE	CASE/APPLICANT	DOCKET	SUBJECT			
Central Maine Power Company	2022	Central Main Power Company	Docket No. 2022-00152	Embedded Cost of Service Study			
Massachusetts Department of Public Utilities							
Boston Gas Company d/b/a National Grid	2020	Boston Gas Company d/b/a National Grid	DPU 20-120	Embedded Cost of Service and Rate Design			
The Berkshire Gas Company	2022	The Berkshire Gas Company	DPU 22-20	Embedded Cost of Service			
New York State Department of Public Service							
New York State Electric & Gas Corporation, and Rochester Gas and Electric Corporation	2022	New York State Electric & Gas Corporation, and Rochester Gas and Electric Corporation	Case 22-E- 0317	Embedded Cost of Service and Rate Design			
National Fuel Gas Distribution Corporation	2023	National Fuel Gas Distribution Corporation	Case 23-G- 0627	Embedded Cost of Service			
St. Lawrence Gas Corporation	2024	St. Lawrence Gas Corporation	Case 24-G- 0668	Embedded Cost of Service and Rate Design			

## Attachment BR-2 to Exhibit \_\_\_\_\_

## Attachment BR-2 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 36 of 389

#### GREAT BASIN WATER COMPANY WATER ACOS Study BR-2, Schedule 1 Summary ACOS Results by Class - Water

Line No.	Description	Svi	Svstem Total	RES Residential	MRES Multi-Res	COM Commercial	IRR Irrigation
	(A)		(B)	(C)	(D)	(E)	(F)
- 0	Plant in Service Accumulated Reserve	Ф		\$ 92,511,270 \$ (28,629,673)		\$ 15,144,297 \$ (4,856,270)	
ω4	Other Rate Base Items Total Rate Base	ଚ	(21,839,379) 59,939,474	(17,016,690) \$ 46,864,907 \$	(584,724) 1,725,569	(2,769,446) 7,518,581 \$	(1,468,519) 3,830,417
	Revenues at Current Rates						
ي م	Retail Revenues Total Other Revenue	Ф	14,443,063 §	\$ 10,948,044 \$ 246.472	436,838 9 834	\$ 2,210,892 \$ 49 774	847,289 19.075
2	Total Revenues	φ		\$ 11,194,516 \$		\$ 2,260,666 \$	
α	Expenses at Current Rates Onerations & Maintenance Evonese	e		6 F 776 112 6		¢ 1.070.036 ¢	
004		÷	2,940,618	2,279,552	73,830	381,741	205,496
9	Amortization Expense Taxes Other Than Income Taxes		- 719,351 200 222	- 557,319 200.172	- 23,417 0.570	- 94,603 57 826	- 44,012
4 <del>6</del>	Total Expenses - Current	ю		\$ 8,822,185 \$		\$ 1,606,416 \$	
15 15 15	Current Operating Income Return at Current Rates Index Rate of Return	ю	3,291,752 { 5.49% 1.00	\$ 2,372,332 \$ 5.06% 0.92	110,649 5 6.41% 1.17	\$ 654,250 \$ 8.70% 1.58	154,521 4.03% 0.73
17 18	Revenue Requirement at Equal Rates of Return Required Return Required Operating Income	69			8.04% 138,687 \$ /20,020 \$	Ű	
19	Operating Income (Deficiency)/Surplus	æ	(1,525,692)	6 (1,394,286) \$	(28,038) \$	49,968	(153,336)
2 2	cyperations & Maintenance Expenses Depreciation Expense	ŝ	7,539,049 2,940,618	\$ 5,784,935 \$ 2,279,552	231,672 73,830	\$ 1,073,533 \$ 381,741	448,908 205,496
888	Amortization Expense Taxes Other than Income		725,807	562,346	23,591	- 95,426	44,444
52 22	moome Laxes Total Expense - Required	φ		\$ 9,170,856 \$	349,123	81,218 5 1,637,978 \$	44,405 743,313
26	Total Revenue Requirement at Equal Return	s	16,718,714	\$ 12,937,473 \$	487,810	\$ 2,242,260 \$	1,051,170
27 28	Less Total Other Revenues Total Base Rate Revenues at Equal Return	കക	437,674 16,281,040	\$ 331,763 \$ \$ 12,605,710 \$	13,238 5 474,573 5	\$ 66,998 \$ \$ 2,175,263 \$	25,676 1,025,495
3 B	Revenue (Deficiency) / Surplus Proposed Increase at Equal Rates of Return (%)	φ	(1,950,496) 13.21%	\$ (1,742,956) \$ 15.57%	(41,138) \$ 9.21%	-0.81%	(184,807) 21.33%
3	Revenue Requirement at Proposed Rates	e	Ģ	(65.470)		900 001	(54 200)
5 8 8	Base Rate Revenue as Proposed	÷•9•€		\$ 12,550,238 \$		\$ 2,277,488 \$	
8 \$	Total Revenues Total Revenue as Proposed	<del>ө</del> ө	16,718,714	12,882,001	495,265	2,344,486	996,961
35 36 37	Expenses (excl. Income Taxes) Interest Expense Taxable Income	<del></del> м	11,205,474 9 1,845,790 3.667,450 9	\$ 8,626,833 \$ 1,443,169 \$ 2.812.000 \$	329,092 5 53,138 113,035 5	\$ 1,550,700 \$ 231,529 \$ 562,257 \$	698,848 117,955 180.158
88 88	Income Taxes at Proposed Operating Income at Proposed	ŝ				106,673 \$ 687,113 \$	
64 14	Return at Proposed Index Rate of Return		8.04% 1.00	7.94% 0.99	8.39% 1.04	9.14% 1.14	6.89% 0.86
43 43	Proposed Increase (\$) Proposed Increase (%)	ф	1,950,496 13.21%	\$ 1,687,485 \$ 15.07%	48,593 { 10.88%	83,820 \$ 3.71%	130,597 15.07%

Page 1 of 1

### GREAT BASIN WATER COMPANY ACOS Study BR-2, Schedule 2 Functional Revenue Requirement and Unit Costs by Class - Water

Line No. Functi	Line Description No. (A) Functionalized Rate Base (A) 1 Base Cost 5 Even Conscitu- May Day	ю Ю	System Total (B) 18,217,508 4 008 641	<u>ه</u>	RES Residential (C) 13,678,453 \$ 3 860.011	MRES Muti-Res (D) 389,433	COM Commercial (E) (E) 5064.395	<del>с</del> у	IRR Irrigation (F) 1,085,228 582 837
N (C) 4 (C) (C) /	Extra Capacity - Max Lay Extra Capacity - Max Hour Meters & Services Customer Accounting Customer Accounting Revenue		4,390,011 20,206,621 15,240,353 64,841 1,211,541 0		5,000,421 15,390,529 12,960,628 52,097 922,780 0	322,186 322,186 933,792 7,853 19,318 0	2,709,282 2,709,282 1,075,974 4,122 162,442 162,442 0		1,784,623 269,958 769 107,002 0
<sup>8</sup> Functi	8 Total Functionalized Revenue Requirement Total Revenue Requirement by Functional Cost	<i>ତ</i>	59,939,474	<del>به</del>					3,830,417
o 0 1 1 0 0 4 0	Base Cost Extra Capacity - Max Day Extra Capacity - Max Hour Meters & Services Customer Accounting Fire Revenue	÷	7,570,502 1,185,204 4,394,849 2,806,090 564,421 197,648 197,648 0	æ	5,684,243 \$ 915,332 3,347,371 2,386,342 453,645 150,540 0		\$ 1,273,446 119,114 589,257 198,111 35,832 26,500 0	æ	450,979 138,195 388,147 49,705 6,688 17,456 0
16	Total Total Revenue Requirement by Activity	<i>в</i> 6	16,718,714	<u>به</u>			~		1,051,170
22 20 19 22 20 29	Suppit & Pumping Treatment Distribution & Transmission Customer Service and Billing Meters & Services Revenue	÷	3,640,713 1,453,721 8,253,769 564,421 2,806,090 0	æ	2,743,142 \$ 1,107,400 6,246,944 453,645 2,386,342 0	73,033 23,098 151,492 68,256 171,932 0	\$ 582,289 194,402 1,231,625 35,832 198,111 0	æ	242,249 128,821 623,708 6,688 49,705 0
23 25	<b>Total</b> Billing Determinants Customers Volume (KGals)	မ	16,718,714 16,158 2,195,523	ю	12,937,473 \$ 14,599 1,648,489	487,810 945 46,933	<ul> <li>\$ 2,242,260</li> <li>497</li> <li>369,312</li> </ul>	ക	1,051,170 117 130,789
26 27 28	Unit Costs Volumetric (\$/kGal) Base Cost Extra Capacity - Max Day Extra Capacity - Max Hour	<i>ର</i> ର ର	3.45 0.54 2.00	<del>()</del> ()	3.45 \$ 0.56 \$ 2.03 \$	3.45 0.27 1.49	\$ 3.45 \$ 0.32 1.60	<b>%</b> % %	3.45 1.06 2.97
29 31 32	Customer-Related (\$/customer/month) Meters & Services Customer Accounting Fire Revenue	<b>% % % %</b>	14.47 2.91 1.02 0.00	<b>୧୬ ୧୬ ୧୬</b>	13.62 \$ 2.59 \$ 0.86 \$ 0.00 \$	15.16 6.02 0.28 0.00	\$ 33.22 \$ 6.01 \$ 4.44 \$ 0.00	<b></b>	35.40 4.76 12.43 0.00

Page 1 of 1

	MET_SVC CUST_ACCT
	MET_SVC
	МАХН
e.	MAXD
ER COMPANY Idy :hedule 3 tion Assignment - Wat	BASE
GREAT BASIN WATER COMPANY ACOS Study BR2, Schedule 3 Cost Classification and Allocation Assignment - Water	Functional_Cost
Cost	ity

Activity

Internal

REV

FIRE

Page 1 of 5

Acct. No. RATE BASE

Account Description

### Plant-in Service

302.1     Intenglote Plant - Franchises     75.28     75.28     75.275     75.325     F. SUPPL     c. BASE       307.2     Source of Supply & Pumping - Initity, aptimis     347.840     347.840     54.974     c. BASE       302.2     Source of Supply & Pumping - Pumping equipment     347.840     347.840     54.974     c. BASE       302.3     Source of Supply & Pumping - Pumping equipment     347.840     1491.655     3616.659     347.840     54.974       303.3     Source of Supply & Pumping - Pumping equipment     1756.071     1.756.071     1.756.071     1.756.071     1.756.071       303.3     Source of Supply & Pumping - Pumping equipment     1.756.071     1.766.071     1.766.071     1.866.89       303.3     Water Treatment - Land & land rights     3.758.01     1.766.021     1.766.021     1.766.021       303.4     Treatmission & Distribution Plant - Sinctures & imp	C BASE USAGE C BASE MAXD USAGE C BASE USAGE USAGE C BASE USAGE USAGE USAGE C BASE USAGE USAGE C BASE USAGE USAGE C BASE USAGE USAGE C BASE USAGE C BASE USAGE USAGE C BASE USAGE USAGE C BASE USAGE USAGE C BASE USAGE C BASE C BASE USAGE C BASE C BASE USAGE C BASE C BASE USAGE C BASE USAGE C BASE USAGE C BASE USAGE C BASE USAGE C BASE USAGE C BASE C BASE USAGE C BASE C	MAX_DAY MAX_DA			
Intangible Plant.         (1268.275)					ТОТРЦ
Source of Supply & Pumping - Land & land rights         Z76 637         F 5.UPL           756.377         F SUPEL           756.377         F SUPEL           Source of Supply & Pumping - Collectures & improvements         325           Source of Supply & Pumping - Collectures & improvements         325           Source of Supply & Pumping - Collectures & improvements         325           Source of Supply & Pumping - Mise strings         347,840           Source of Supply & Pumping - Mise dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping - Dweig dimetation         347,840           Source of Supply & Pumping equipment         1,756,071           Mater Treatment - Land & land fights         1,786,071           Water Treatment - Sundurous et maint and mights         1,786,071           Water Treatment - Land & land fights         1,786,071           Transmission & Distribution Plant - Stocuro					
Source of Supply & Pumping - Structures & improvements         775,272         F SUPPL           Source of Supply & Pumping - Unler with other intervention         325         F SUPPL           Source of Supply & Pumping - Unler with other intervention         325         F SUPPL           Source of Supply & Pumping - Unler with other intervention         337,840         910,86,859         F SUPPL           Source of Supply & Pumping - Unline intervention         317,840         F SUPPL         SUPPL           Source of Supply & Pumping - Pumping - Unline intervention         36,656         F SUPPL         SUPL           Source of Supply & Pumping - Dunning - Unline intervention         36,656         F SUPPL         SUPL           Source of Supply & Pumping - Dunning - Unline intervention         36,656         F SUPPL         SUPL           Source of Supply & Pumping - Dunning equipment         36,656         F SUPPL         F SUPPL           Water Treatment - Structures & Improvements         1,768,071         1,768,071         F REAT           Water Treatment - Other plant & Intervented         5,721,641         F TREAT         F TREAT           Transmission & Distribution Plant - Eurotures & Improvements         5,721,641         F TREAT         5,721,641         F TREAT           Transmission & Distribution Plant - Eurotures & Improvements         7,732,1641					
Source of Supply & Pumping - Collecting & Impound res.         325         F SUPPL           Source of Supply & Pumping - Merk         9,008,692         F SUPPL           Source of Supply & Pumping - Supply mains         19,008,692         F SUPPL           Source of Supply & Pumping - Supply mains         347,840         F SUPPL           Source of Supply & Pumping - Supply mains         1,491,655         F SUPPL           Source of Supply & Pumping - Supply mains         347,840         F SUPPL           Source of Supply & Pumping - Supply mains         347,840         F SUPPL           Source of Supply & Pumping - Unming equipment         227,862         1,491,655           Source of Supply & Pumping equipment         277,862         277,862         2.91PL           Water Treatment - Structures & Improvements         1,759,241         F TREAT         7.457,44         5.721,641         F TREAT           Water Treatment - Valer freatment					
Source of Supply & Pumping - Mela, stering & Surge of Supply & Pumping - Wells & Springe         F. SUPPL           Source of Supply & Pumping - Wells & Springe         347,840         7,908,692         F. SUPPL           Source of Supply & Pumping - Mela & Springe         347,840         F. SUPPL         347,840         F. SUPPL           Source of Supply & Pumping - Dens equipment         347,840         F. SUPPL         347,840         F. SUPPL           Source of Supply & Pumping - Dens equipment         3616,659         3616,659         5.0PL         F. SUPPL           Source of Supply & Pumping - Dens equipment         1,491,635         1,491,635         F. SUPPL         272,82           Source of Supply & Pumping - Dens equipment         1,463,169         F. SUPPL         273,82         1,590,241         F. REAT           Water Treatment - Stouctures & Improvements         1,768,071         1,788,071         F. REAT         1,758,071         F. REAT           Water Treatment - other plant & Improvements         1,759,241         1,759,241         F. REAT         1,759,241         F. REAT           Transmission & Distribution Plant - Distrib. res. & standpipes         5,000         5,0010         5,0016         F. SUBFL           Transmission & Distribution Plant - Distrib. res. & standpipes         5,0016         5,0016         F. REAT      <					
Source of Supply & Pumping - Inflit. galleries & tumels         19.086.682         F.SUPPL           Source of Supply & Pumping - Inflit. galleries & tumels         347,840         347,840         547,840           Source of Supply & Pumping - Towning - Supply and the set of Supply & Pumping - Towning - Supply and the set of Supply & Pumping - Towning - Supply and the set of Supply & Pumping - Towning - Supply & Pumping - Towning - Supply & Pumping - United and the set of Supply & Pumping - Treatentission & Distribution Plant - Fumping equipment         5,721,641         F.TREAT           Water Treatments on & Distribution Plant - Fumping equipment         5,721,641         F.TREAT         5,721,641         F.TREAT           Transmission & Distribution Plant - Fumping equipment         5,721,641         F.TREAT         5,721,641         F.TREAT         5,721,641         F.TREAT					
Source of Supply & Pumping - Supply mains         -         F. SUPPL           Source of Supply & Pumping - Supply mains         347,800         7,8136         F. SUPPL           Source of Supply & Pumping - Dumping equipment         347,800         7,8136         F. SUPPL           Source of Supply & Pumping - Dumping equipment         347,800         7,8136         F. SUPPL           Source of Supply & Pumping - Dumping equipment         257,852         257,852         F. SUPPL           Source of Supply & Pumping equipment         1,756,071         F. REAT         F. REAT           Water Treatment - Jound Mise Equip         27,863,661         F. REAT         7,86,361         F. REAT           Water Treatment - Jound Mise Equip         1,756,071         1,457,48         7,721,641         F. REAT           Water Treatment - Jound Mise Tust         7,721,641         7,721,641         F. REAT           Water Treatment - Jound Miser Land & land rights         7,70,010         6,003,729         6,051R4           Transmission & Distribution Plant - Structures & improvements         7,0010         6,003,729         6,051R4           Transmission & Distribution Plant - Structures & improvements         7,0010         6,003,729         6,051R4           Transmission & Distribution Plant - Structures & improvements         7,0010         6,151,97					
Source of Supply & Pumping - Power generation equipment         347.840         54.040         F.SUPEL           Source of Supply & Pumping - University         Source of Supply & Pumping - University         347.840         54.040         F.SUPEL           Source of Supply & Pumping - University         Source of Supply & Pumping - University         36.16.659         36.16.655         F.SUPEL           Source of Supply & Pumping - University         Source of Supply & Pumping - University         36.16.659         36.16.655         F.SUPEL           Water Treatment - Structures & Improvements         36.16.659         36.16.659         36.16.659         27.21.841         F.EKAT           Water Treatment - Ventpring equipment         5.72.1641         1.768.071         1.768.071         F.EKAT           Water Treatment - Other plant - Entortic red indrights         9.028         9.028         9.028           Transmission & Distribution Plant - Europhene & Improvements         5.72.1641         F.TEKAT         4.65.74           Transmission & Distribution Plant - Europhene & Improvements         5.72.1641         F.TEKAT         9.028           Transmission & Distribution Plant - Europhene & Improvements         7.00.10         5.72.1641         F.TEKAT           Transmission & Distribution Plant - Burding with:         5.73.1641         F.TEKAT         5.73.163.166         F.MESA					
Source of Supply & Pumping - Pumping equipment         1491 635         F SUPPL           Source of Supply & Pumping - Umping equipment         3.616 659         F SUPPL           Source of Supply & Pumping - Umping equipment         3.616 659         F SUPPL           Source of Supply & Pumping - Umping equipment         3.616 659         F SUPL           Water Treatment - Leard & land rights         2.27.862         2.77.862         F REAT           Water Treatment - Structures & improvements         1,592,241         1,788,341         F REAT           Water Treatment - Water Treatment equipment         1,592,1641         1,4574         1,4574         F REAT           Water Treatment - Nater restment equipment         1,592,1641         1,572,1641         F REAT           Water Treatments on & Distribution Plant - Land & land rights         70,010         583,744         F REAT           Transmission & Distribution Plant - Structures & standpipes         566,605         700,100         593,764         F DISTR           Transmission & Distribution Plant - Bructures & improvements         7,0010         583,729         F DISTR         593,764         F DISTR           Transmission & Distribution Plant - Bructures & standpipes         566,007         7,515,973         F DISTR           Transmission & Distribution Plant - Horters & metric restallations         <					
Source of Supiy & Pumping - Pumping equipment         3616.653         5616.653         5616.653         516.653         FSUPEL           Source of Supiy & Pumping - Pumping equipment         227.862         7.3196.071         1.768.071         1.778.168.07         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.768.071         1.773.1641         1.768.071         1.773.1641         1.768.071         1.773.1641         1.768.071         1.773.1641         1.774.041         1.773.1641         1.768.071         1.768.071         1.773.1641         1.768.071         1.768.071         1.710.010         1.710.010         1.710.010         1.710.010         1.710.010					
Source of SupPly & Pumping - Other and Misc Equip Water Treatment - Land & land Types         227,862         F.SUPEL           Water Treatment - Land & land Types         1,760,071         F.TREAT           Water Treatment - Land & land Types         1,760,071         F.TREAT           Water Treatment - Nater restment equipment         1,550,071         F.TREAT           Water Treatment - Nater restment equipment         1,550,071         F.TREAT           Treatment - Nater restment equipment         1,571,641         F.TREAT           Treatmission & Distribution Plant - Land & land dights         9,028         9,028           Trearemission & Distribution Plant - Land & land dights         9,028         9,028           Trearemission & Distribution Plant - Land & land dights         7,00,010         7,00,010           Transmission & Distribution Plant - Land & land environments         5,08,774         6,608,729         6,05178           Transmission & Distribution Plant - Meters & standploes         56,608,729         6,05179         6,05178           Transmission & Distribution Plant - Meters & meter installations         7,361,587         7,361,587         6,051,697           Transmission & Distribution Plant - Meters & standploes         5,50,166         7,361,587         6,051,697         6,151,697           Transmission & Distribution Plant - Meters & standploes <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Water Treatment - Land Kind rights         1,756.07         1,756.07         F.TREAT           Water Treatment - Structures & Improvements         1,756.07         1,756.07         F.TREAT           Water Treatment - Structures & Improvements         1,769.241         1,756.07         F.TREAT           Water Treatment - Water Treatment - Structures & Improvements         7,716.41         F.TREAT           Water Treatment - Other plant & miss. equip.         5,721.641         F.TREAT           Water Treatment - other plant & miss. equip.         9,028         9,028           Transmission & Distribution Plant - Burding equipment         7,0010         F.TREAT           Transmission & Distribution Plant - Burding equipment         7,0010         F.DSTR           Transmission & Distribution Plant - Burding equipment         7,0010         F.DSTR           Transmission & Distribution Plant - Burding equipment         7,0010         F.DSTR           Transmission & Distribution Plant - Burding equipment         7,515.973         10,515.973         F.DSTR           Transmission & Distribution Plant - Burding equipment         7,515.916         F.DSTR         5,515.973         F.DSTR           Transmission & Distribution Plant - Burding equipment         7,515.913         10,515.973         10,515.973         10,515.973         10,515.973           Transmis					
Water Treatment - Enrotures & improvements         468.360         FTREAT           Water Treatment - Enrolming equipment         1.780.241         FTREAT           Water Treatment - Subming equipment         5.721.641         1.730.241         FTREAT           Water Treatment - Other plant at misme equipment         5.721.641         1.752.44         FTREAT           Water Treatments on 8 birthoution Plant - Encurues & improvements         7.00.00         7.00.00         7.00.00           Transmission & Distribution Plant - Encurues & improvements         7.00.00         7.00.00         7.00.00           Transmission & Distribution Plant - Encurues & improvements         7.00.00         7.00.00         7.00.00           Transmission & Distribution Plant -					
Water Treatment - Unter resuments outpoint         1,799,241         1,799,241         1,799,241         FTRAT           Water Treatment - Water Treatment outpoint         3,721,641         5,721,641         FTRAT           Water Treatment - Water Treatment outpoint         1,592,41         5,721,641         FTRAT           Treatsmission & Distribution Plant - Land & land rights         9,028         9,028         9,028           Treatsmission & Distribution Plant - Encurbes & improvements         7,0010         569,764         569,764         FTRAT           Treatsmission & Distribution Plant - Distrib.res. & standpipes         568,764         568,020         FDISTR           Distribution Plant - Bundon Plant - Bundo					
Water Treatment         Treatment <thtreatment< th=""></thtreatment<>					
Water Treatment: Verse Freedments         Value Treatment: Verse Freedments         Value Treatment: Verse Freedments           Transmission & Distribution Plant: Land & land rights         9.028         9.028         9.028           Transmission & Distribution Plant: Land & land rights         9.020         9.028         9.028           Transmission & Distribution Plant: Land & land rights         9.020         9.028         9.028           Transmission & Distribution Plant: Land & land rights         9.020         9.028         9.028           Transmission & Distribution Plant: Distrib. res. & standploes         569.764         569.774         9.610.729           Transmission & Distribution Plant: Distrib. res. & standploes         56.08.729         56.08.729         F.DISTR           Transmission & Distribution Plant: Holeres & meter installations         7.361.583         7.361.583         7.361.583           Transmission & Distribution Plant: Holeres & meter installations         7.361.583         7.361.583         7.361.583           Transmission & Distribution Plant: Holeres         7.361.583         7.361.583         9.025.44           Transmission & Distribution Plant: Holeres         7.361.583         7.361.583         9.051.593           Transmission & Distribution Plant: Holeres         7.361.583         7.361.533         0.51.593           General Plant: Strucu					
Transmission & Distribution Plant - Exercise Transmission & Distribution Plant - Structures & Impoverments         9.028         9.028         9.028         P. INCAU           Transmission & Distribution Plant - Structures & Impoverments         710,010         710,01					
Instramesion & Distribution Plant - Landx arong gins         710,010         710					
Transmission & Distribution Plant - Structures & improvements         710.01         710.010         F10.010					
Transmission & Distribution Plant - Pumping equipment         569.764         F. DSTR         569.764         F. DSTR           Transmission & Distribution Plant - Distrib. res. & standpipes         6.603.729         6.603.729         F. DISTR         Distribution Plant - Distrib. res. & standpipes         6.603.729         6.603.729         F. DISTR           Transmission & Distribution Plant - Services         105.15.973         105.15.973         F. DISTR         105.15.973         F. DISTR           Transmission & Distribution Plant - Services         15.161         15.160.166         F. METSV         15.361.583         F. METSV           Transmission & Distribution Plant - Holeres & meter installations         7.361.583         7.361.583         F. METSV           Transmission & Distribution Plant - Holeres & meter installations         7.361.583         7.361.583         F. METSV           Transmission & Distribution Plant - Bervices         7.361.583         7.361.583         7.361.583         F. METSV           Transmission & Distribution Plant - Bervices         1.822.340         1.822.340         F. METSV         1.822.340         F. DISTR           General Plant - Jinto Plant - Bervices         1.822.340         1.822.340         F. DISTR         6.803.33         G. BISTR           General Plant - Structures & equip.         6.803.31         6.803.31         6					TDPLT
Transmission Mains - 18.0         East mode         6.603.729         F. DISTR           Distribution Mains - 18.0         Transmission Mains - 18.0         6.603.729         F. DISTR           Transmission Mains - 18.0         Transmission Mains - 18.0         6.603.729         F. DISTR           Transmission Mains - 18.0         Transmission Mains - 18.0         0.515.973         10.515.973         F. DISTR           Transmission & Distribution Plant - Meters & meter installations         7.361.583         7.361.583         7.361.583         F. DISTR           Transmission & Distribution Plant - Meters & meter installations         7.361.583         7.361         7.361.583         7.361.583         7.361.583         7.361.583         7.361.583         7.361         7.361.583         7.361.583         7.361.583         7.361.583	_		MAX_HOUR		
Distribution mains - T&D         SE 266,020         F DISTR           Transmission & Distribution Plant - Melers & meter installations         13,160,166         F METSV           Transmission & Distribution Plant - Melers & meter installations         1,315,0166         F METSV           Transmission & Distribution Plant - Melers & meter installations         1,822,340         1,822,340         F DISTR           Transmission & Distribution Plant - Backflow prevention devices         55,341         85,341         85,341         5,933           General Plant - Land & land rights         66 metal Plant - Structures & improvements         5,983,331         5,983,331         1,922,346           General Plant - Structures & improvements         5,983,331         5,983,331         5,983,331         1,922,345         1,922,545           General Plant - Structures & improvements         1,922,544         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545         1,542,545			MAX_HOUR		
Transmission & Mains - T&D         10,515,973         F_DSTR           Transmission & Distribution Plant - Services         15,160,166         F_METSV           Transmission & Distribution Plant - Networks         7,361,583         7,516,166         F_METSV           Transmission & Distribution Plant - Networks         7,361,583         7,361,383         F_METSV           Transmission & Distribution Plant - Networks         7,361,583         7,361,383         F_METSV           Transmission & Distribution Plant - Networks         1,822,340         1,822,340         F_DISTR           Transmission & Distribution Plant - Backflow prevention devices         5,341         5,53,41         5,53,41           General Plant - Land & land rights         6,87,49         6,87,49         6,87,49         6,87,49           General Plant - Structure & equip.         5,989,331         5,989,331         5,989,331         5,989,331           General Plant - Structure & equip.         1,642,545         1,542,545         1,542,545         1,542,545           General Plant - Structure & equip.         2,141         1,542,545         1,542,545         1,542,545	_		MAX_HOUR		
Transmission & Distribution Plant. Services         15,150,166         FMETSV           Transmission & Distribution Plant. Meters & meter installations         7,361,633         7,361,633         FMETSV           Transmission & Distribution Plant. Hydrers & meter installations         7,361,633         7,361,633         FMETSV           Transmission & Distribution Plant. Hydrers & meter installations         7,361,633         7,361,633         F_METSV           Transmission & Distribution Plant. Hydrers & meter installations         7,361,633         7,361,633         F_METSV           Transmission & Distribution Plant. Iberkflow prevention devices         5,344         5,534         5,534         5,534           General Plant - Land & land rights         86,749         86,749         86,749         86,749         5,80331           General Plant - Infract Minorements         5,893,331         5,893,331         5,893,331         5,893,331           General Plant - Office Unitime & equip.         5,893,331         5,893,331         5,893,331         5,893,331           General Plant - Office Unitime & equip.         5,893,331         5,893,331         5,843,851         5,843,851           General Plant - Since	SE_MAXH USAGE		MAX_HOUR		
Transmission & Distribution Plant- Meters & meter installations         7.361.553         7.361.553         F_METEV           Transmission & Distribution Plant- Hydrants         1.982.340         1.982.340         1.982.340         F_METEV           Transmission & Distribution Plant- Hydrants         1.982.340         1.982.340         1.982.341         1.982.340         F_METEV           Transmission & Distribution Plant- Berker instance equip.         5.5.341         5.5.345         5.5.341         5.5.341         5.5.345         5.5.345	TSVC		METERS		
Transmission & Distribution Plant - Hydrants         1822,340         F DISTR           Transmission & Distribution Plant - Backflow prevention devices         55,341         55,341         55,341           Transmission & Distribution Plant - Backflow prevention devices         55,341         55,341         55,341           Transmission & Distribution Plant - Backflow prevention devices         55,341         55,341         55,341           General Plant - Land & land rights         General Plant - Structures & aprilow         86,749         86,749         96,331           General Plant - Structures & aprilow         5,989,331         5,989,331         5,989,331         5,989,331           General Plant - Structures & equip         1,542,545         1,542,545         5,443,656         2,141         2,141         2,141	TSVC		METERS		
Transmission & Distribution Plant - Backflow prevention devices         55,341           Transmission & Distribution Plant - ether plant & misc. equip.         5           Transmission & Distribution Plant - ether plant & misc. equip.         86,749           General Plant - Structures & improvements         5,989,331           General Plant - Structures & equip.         5,989,331           General Plant - Structures & equip.         5,984,581           General Plant - Structures de equip.         1,542,545           General Plant - Structore duripment         2,141	KE			PF_MAX_HOUR	
Transmission & Distribution Plant attribution Plant at misc. equip.         -           General Plant - Land & land rights         86,749           General Plant - Land & land rights         5,999,331           General Plant - Land & land rights         5,999,331           General Plant - Lands & land rights         5,999,331           General Plant - Instructure & equip.         4,084,581           General Plant - office furniture & equip.         4,084,581           General Plant - Transportation equipment         2,141					TDPLT
General Plant - Land & land rights         86,749           General Plant - Structures & Improvements         5,980,331           General Plant - Structures & Improvements         5,980,331           General Plant - Structures & quily.         4,094,551           General Plant - Transportation equipment         1,542,545           General Plant - Structure equipment         2,141					TDPLT
General Plant - Structures & Improvements         5,989,331           General Plant - office furniture & equip.         4,084,561           General Plant - transportation equipment         1,542,545           General Plant - Structure function         2,141					TOTPLI
General Plant - office furniture & equip. 4084.681 General Plant - Transportation equipment 1,542,545 General Plant - Stores equipment 2,141					TOTPLI
General Plant - Transportation equipment 1,542,545 General Plant - Stores equipment 2,141					TOTPLT
General Plant - Stores equipment 2,141					TOTPLT
					TOTPLT
General Plant - Tools, shop & misc. equip. 963,281					TOTPLT
General Plant - Laboratory equipment 129,546					TOTPLT
345.5 General Plant - Power operated equipment 270,052 270,052					TOTPLT
346.5 General Plant - Communication equipment 1,939,575 1,939,575					TOTPLT
347.5 General Plant - Miscellaneous equipment 34,552 34,552 34,552					TOTPLT
348.5 General Plant - Other tangible plant 247,772 247,772 247,772					TOTPLT
118,806,382 118,806,382				-	
TOTAL PLANT-IN-SERVICE 118,806,382 118,806,382					

#### source of Supply & Pumping - Structures & improvements Source of Supply & Pumping - Collecting & improvements Source of Supply & Pumping - Lake, iver & other intakes Source of Supply & Pumping - Wells & springs Source of Supply & Pumping - Inith: galleadees & tumels Source of Supply & Pumping - Power generation equipment Source of Supply & Pumping - Power generation equipment Source of Supply & Pumping - Power generation equipment Sucre of Supply & Pumping - Power generation equipment Water Traitment - Land & land rights Water Traitment - Chierara of Misc Equip plant & misc. equip. tion Plant - Land & land rights tion Plant - Structures & improvements tion Plant - Pumping equipment Land & land rights ctures & improvements nt equipment er Intangible Plan Intangible Plant - Organizatio Source of Supply & Pumping Intangible Plant - Of Plant - F ransmission Intangible ater Tre Water Tr 301.1 302.1 339.1 302.2 302.2 305.2

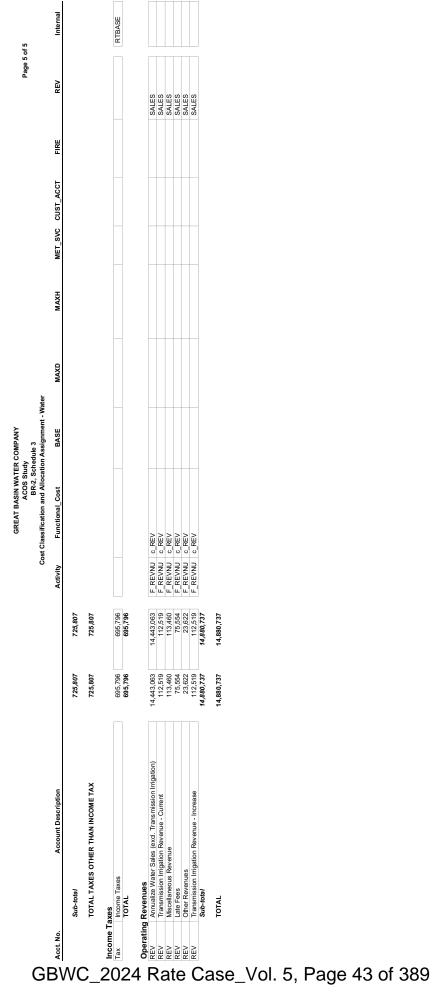
TOTPLT	TOTPLT																	TDPLT	TDPLT	
-	-																			
										MAX_DAY	DAY	DAY	MAX_DAY	DAY	DAY	DAY	DAY			
										MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX			VVV
		USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE			
										Q	Q	QX	QX	Q	QX	Q	QX			VLI V
		c_BASE	c_BASE	c_BASE	c_BASE	c_BASE	c_BASE	c_BASE	c_BASE	c_BASE_MA	c BASE MA	c_BASE_MA	c_BASE_MA	c_BASE_MA	c_BASE_MA	c BASE MA	c BASE MA			A DACE MA
		F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_SUPPL	F_TREAT c_BASE_MAXD	F_TREAT	F_TREAT	F TREAT	F_TREAT			L DICTD C DACE MAVU
(12,944)	(8,029)	638,002	•	(299,637)	(115)		(5,983,225)	•	(1,871)		(570,376)	(43,037)	•	(54,208)	(917,582)	(3,709,915)	(14,124)	•	(228,103)	12.070
(12,944)	(8,029)	38,002	'	299,637)	(115)		(5,983,225)		(1,871)	31,020)	70,376)	(43,037)		54,208)	7,582)	9,915)	(14,124)		(228,103)	020 01

 Image: State Case\_Vol. 5, Page 39 of 389

Page 2 of 5	Internal		TDPLT TOPLT TOTPLT	TOTPLT TOTPLT TOTPLT	TOTPLT	TOTPLT	TOTPLT TOTPLT TOTPLT					TOTPLT OMEXP	TOTPLT	TOTPLT	TOTPLT	TOTPLT	TOTPLT	TOTPLT				MO IDDI N			ThD_OM TDPLT	H CC			LABOR TOTPLT	TOTPLT	LABOR TOTPLT	LABOR TOTPI T	TOTPLT	TOTPLT
Page	REV																																	
	r fire	PF MAX HOUR						_																										
	CUST_ACCT							_																				CUST_SERV						
	MET_SVC	METERS						_																			METERS							
	МАХН	MAX_HOUR MAX_HOUR MAX_HOUR						_																										
t - Water	MAXD	MAX_DAY MAX_DAY MAX_DAY						_																										
ER COMPANY udy chedule 3 titon Assignmen	BASE	USAGE USAGE USAGE						_															USAGE	USAGE	1000	USAGE								
GREAT BASIN WATER COMPANY ACOS Study BR2, Schedule 3 Cost Classification and Allocation Assignment - Water	Functional_Cost	c_BASE_MAXH c_BASE_MAXH c_BASE_MAXH c_BASE_MAXH c_METSVC c_FIRE c_FIRE						_															c_BASE	c_BASE		c_BASE	c_METSVC							
õ	Activity	F_DISTR F_DISTR F_DISTR F_METSV F_METSV F_DISTR	1																				F_SUPPL	F_TREAT		F_DISTR	F_METSV	F_CUSTS						
		(1,453,339) (8,098,609) (3,242,146) (1,378,565) (2,384,360) (385,874)	(5,336)	(2,391,686) (3,595,005) (925.771)	(929,304)	(35,869) (75,299) (614,435)	(24,112) (63,766) -	(37,027,528)	(37,027,528)	cco'oz ; i o		- 966.682	30,893	3,918,064	(278,754) (2,198,743)	(5,123,276) (31,002,884)	12,611,935 (863,022)	(1,126,012) <b>(21,839,379)</b>	(21,839,379)	59,939,474		385 750	3,134	237,929 88,549	1,181,239 83,122	932,535	- 96 66	30,402 116,636	505,117 2,115,824	54,304 521,502	46,226 76,900	623,983 403.976	45,860	23,254
		(1,453,339) (8,098,609) (3,242,146) (1,378,565) (2,384,360) (385,874)	(5,336) - -	(2,391,686) (3,595,005) (925,771)	(941) (929,304)	(33,809) (75,299) (614,435)	(24,112) (63,766)	(37,027,528)	(37,027,528) 81 778 853	600'0 L'10		- 966.682	30,893	3,918,064	(278,754) (2,198,743)	(5,123,276) (31,002,884)	12,611,935 (863,022)	(1,126,012) (21,839,379)	(21,839,379)	59,939,474		385 750	3,134	237,929 88 549	1,181,239 83,122	932,535	99	93,402 116,636	505,117 2,115,824	54,304 521,502	46,226 76,900	623,983 403 976	45,860	23,254
	Account Description	Transmission & Distribution Plant - Distrib. res. & standpipes Distribution Meins - T&D Transmission Mains - Distribution Plant - Services Transmission & Distribution Plant - Merice & meter installations Transmission & Distribution Plant - Hotrants	smission & Distribution Plant - Backflow prevention devices smission & Distribution Plant - other plant & misc. equip. real Plant - Land & land rights	General Plant - Structures & improvements General Plant - office furniture & equip. General Plant - Transportation equipment	eral Plant - Stores equipment sral Plant Tools, shop & misc. equip.	erar irant - Laboratory equipment zaral Pant - Power operated equipment rial Plant - Communication equipment	aral Plant - Miscellaneous equipment aral Plant - Other tangible plant		TOTAL DEPRECIATION ACCRUAL	istments	Additions and Deductions	Materials & Supplies (Sched. G-4) Cash Working Canital (Sched. G-5)	Accum. Deferred Income Taxes	r (Rate Case Costs) r (Oth Deferred Chgs)	omer Advances for Constr. r Deferred Credits-Regulatory	Accum. Deferred Income Taxes Contributions in Aid of Construction	back: Accum. Amort CIAC r (Rate Case Amort)	Other (Amort of Oth Def Chgs) Sub-total	TOTAL RATE BASE ADJ.	ХЕ Маланананананананананананананананананана	Se	Operation and Maintenance Expenses	Purchased Water - Source of Supply Mr 1 - Above - Source of Supply	writ - cabor WT - Chemicals MT - Contract Services WT	T&D - Labor T&D - Labor T&D - MS and Misc	- Purchased Power	1&U - Contract Services T&D - Materials and Supplies - Meters	Uncollectione Accts Miscellaneous	- Salaries - Mgmt Fees-Admin	- Contract Services - Insurance - General Liability	- Ins Work Comp - Ins Other	- Pension and Benefits - Ren Commision Amort	- Telephone	- Transportation
	Acct. No.			304.5 Gen 340.5 Gen 341.5 Gen					-	Rate Base		- 0	1 00 1	5 1	9	8 0	11	12		C TOTAL RATE BASE	O & M Expenses											9%0 9%0 9%0	A&G	A&G



				ů	BK-2, Scnedule 3 Cost Classification and Allocation Assignment - Water	Ind Allocation Assignmen	t - Water					
Acct. No.	Account Description			Activity	Functional_Cost	BASE	MAXD	МАХН	MET_SVC CUST_ACCT	T FIRE	REV	Internal
	Sub-total	7,539,049	7,539,049									
	TOTAL O & M EXPENSES	7,539,049	7,539,049									
-abor E	Labor Expenses											
	Labor Expenses Summing & Pumming	385 750	385 750									MO IDDI IS
	Treatment	42,235	42,235									TREAT_OM
	Distribution & Transmission Customer Service and Billing	1,181,239 505,117	1,181,239 505,117									ThD_OM CUSTS_OM
	Sub-tota/ TOTAL LABOR EXPENSES	2,114,341 2.114.341	2,114,341 2.114.341									
Depreci	Depreciation Expense											
_	Plant											
301.1	Intangible Plant - Organization	5,436	5,436									TOTPLT
302.1	Intangible Plant - Franchises	(1,324)	(1,324)		DACE							TOTPLT
304.2	Source of Supply & Pumping - Land & land rights	(55)	(55)	FSUPPL	c_BASE	USAGE						
	Source of Supply & Pumping - Structures & improvements	7	7	F_SUPPL	c_BASE	USAGE						
307.2	Source of Supply & Furtiping - Collecting & Impound. res. Source of Supply & Pumping - Lake, river & other intakes	454,443	454,443	F_SUPPL	c_BASE	USAGE						
	Source of Supply & Pumping - Wells & springs	- 000 0.67	-	F_SUPPL	c_BASE	USAGE						
	Source of Supply & Pumping - Inflitr. galleries & tunnels Source of Supply & Pumping - Supply mains	49.720	(32,300) 49,720	F SUPPL	c_BASE c_BASE	USAGE						
	Source of Supply & Pumping - Power generation equipment	83,177	83,177	F_SUPPL	c_BASE_MAXD	USAGE	MAX_DAY					
	Source of Supply & Pumping - Pumping equipment	- 000	10.040	F_SUPPL	C_BASE_MAXD	USAGE	MAX_DAY					
	Water Treatment - Structures & improvements	69,613	69,613	F TREAT	c BASE MAXD	USAGE	MAX DAY					
	Water Treatment - Pumping equipment	255,709	255,709	F_TREAT	C_BASE_MAXD	USAGE	MAX_DAY					
38.3 03.4	Water Treatment - water treatment equipment Water Treatment - other plant & misc. equip.	1,409	1,403	F_TREAT	C BASE MAXD	USAGE	MAX_DAY					
304.4	Transmission & Distribution Plant - Land & land rights	4,221	4,221									TDPLT
311.4 330.4	Transmission & Distribution Plant - Structures & improvements Transmission & Distribution Plant - Pumping equipment	21,/13 85,268	21,/13 85,268		c BASE MAXH	USAGE	MAX DAY	MAX HOUR				IDPLI
331.4	Transmission & Distribution Plant - Distrib. res. & standpipes	648,267	648,267		c_BASE_MAXH	USAGE	MAX_DAY	MAX_HOUR				
333.4 333.4	Distribution Mains - T&D Transmission Mains - T&D	249,617 99,930	249,617	F DISTR	c_BASE_MAXH	USAGE	MAX_DAY MAX_DAY	MAX HOUR MAX HOUR				
34.4	Transmission & Distribution Plant - Services	365,111	365,111		c_METSVC				METERS			
335.4	Transmission & Distribution Plant - Meters & meter installations	29,853	29,853		c_METSVC				METERS			
39.4	Transmission & Distribution Plant - Backflow prevention devices	to: '	-									TDPLT
303.5 303.5	Transmission & Distribution Plant - other plant & misc. equip. General Plant - Land & land rights		1 1									TOTPLT
04.5	General Plant - Structures & improvements	(205,984)	(205,984)									TOTPLT
40.5 44 F	General Plant - office furniture & equip.	20,361	20,361									TOTPLT
42.5	General Plant - Transportation equipment	135	135									TOTPLT
43.5	General Plant - Tools, shop & misc. equip.	58,956										TOTPLT
44.5	General Plant - Laboratory equipment General Plant - Power onerated equipment	5,349 17 738										
46.5	General Plant - Communication equipment	169,084	16									TOTPLT
347.5	General Plant - Miscellaneous equipment	3,538										TOTPLT
6.848. ADJ	General Plant - Other tangible plant	(283,843) 533,697	533,697									TOTPLT
	Sub-total	2,940,618	2,			_	-	-	_	_	-	
	TOTAL DEPRECIATION EXPENSES	2,940,618	2,940,618									
axes O	Taxes Other Than Income Taxes		077					_	_			
	State I Inemnlovment Tay	18 571	1,113									
TOTI	Other Payroll Taxes	53,740	53,740									LABOR
TOTI	Franchise Taxes	02	202_01									TOTPLT
	Gross Receipts Taxes Dersonal Pronerty Taxes	13,708	13,/08									
LOTI	Real Estate Taxes	314,539	314,539									TOTPLT
TOTI	Other General Taxes	(31,245)	(31,245)									TOTPLT
TOT	Utility/Commission Laxes	41,806	41,806									



## **GREAT BASIN WATER COMPANY**

hooling	Intel
	Summary of External Allocators - Water
	BR-2, Schedule 4
	ACOS Study

ALLOCATORS         ALLOCAT	Name	No. Description		Total	Residential	Multi-Res	Commercial	Irrigation
N         1         Excess baity Demand (MGD)         MAXH         14.7         17.2%         10.0%	ALLOCATORS							
14.27         11.22         0.15         14.3           OUR         2         1.22         1.13         1.43           CHOR         3         Maximum Hourly Demand - Public Frie (MGD)         MAXH $2.12$ $76.17\%$ $0.15$ $0.34$ $3.28\%$ $13.41\%$ $2.86$ $3.36\%$ $13.41\%$ $2.86$ $3.28\%$ $13.41\%$ $2.86$ $3.36\%$ $13.41\%$ $2.86$ $3.36\%$ $13.41\%$ $2.86$ $3.36\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.28\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.26\%$ $3.273$ $3.26\%$ $3.273$ $3.26\%$ $3.26\%$ $3.26\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.26\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ $3.27\%$ <td>MAX DAY</td> <td>1 Excess Daily Demand (MGD)</td> <td>MAXD</td> <td></td> <td>77.23%</td> <td>1.06%</td> <td>10.05%</td> <td>11.66%</td>	MAX DAY	1 Excess Daily Demand (MGD)	MAXD		77.23%	1.06%	10.05%	11.66%
OUR         Z         Excess Hourly Demand (MGD)         MAXH         212         76.17%         1.59%         1.3.41%         2.36           X HOUR         3         Maximum Houry Demand - Public File (MGD)         FIRE         2.12         76.17%         1.59%         13.41%         3           X HOUR         3         Maximum Houry Demand - Public File (MGD)         FIRE         2.12         76.17%         1.59%         13.41%         3           X HOUR         3         Maximum Houry Demand - Public File (MGD)         FIRE         90.35%         5.85%         3.06%         3 <td< td=""><td></td><td></td><td></td><td>14.27</td><td>11.02</td><td>0.15</td><td>1.43</td><td>1.66</td></td<>				14.27	11.02	0.15	1.43	1.66
X HOUR         3         Maximum Hourly Demand - Public Fle (MGD)         FIRe         212         16.16         0.34         2.86         2.86           X HOUR         3         Maximum Hourly Demand - Public Fle (MGD)         FIRe         21.2         76.17%         15.9%         13.41%         2.86           X HOUR         5         No. of Bils         CUST ACCT         193.896         775.188         11.340         5.964         3.08%           XETRD         6         Customer Service - Weighted         CUST ACCT         193.896         175.188         11.340         5.964         3.08%           SERV         6         Customer Service - Weighted         CUST ACCT         193.896         175.188         11.340         5.964         3.08%           L         7         Uncollectible Expense         CUST ACCT         33.283         175.188         11.340         5.964         3.08%           L         7         Uncollectible Expense         CUST ACCT         32.283         175.188         11.1340         5.964         3.08%           L         7         Uncollectible Expense         CUST ACCT         32.283         175.188         11.1340         5.964         4.97           S         No. of Customeres	MAX HOUR	2 Excess Hourly Demand (MGD)	MAXH		76.17%	1.59%	13.41%	8.83%
X.HOUR         3         Maximum Hourly Demand - Public Fre (MGD)         FIRE         21.2         76.17%         159%         13.41%         1           A         N.o. of Bils         CUST_ACCT         193.866         90.35%         5.85%         3.06%         3.06%           METRD         5         No. of Bils         CUST_ACCT         193.866         175,168         11.340         5.964           METRD         6         Customer Benvice - Weighted         CUST_ACCT         193.866         175,168         11.340         5.964           SERV         6         Customer Service - Weighted         CUST_ACCT         193.866         175,168         11.340         5.964           L         7         Uncollectible Expense         CUST_ACCT         16.16         90.35%         5.85%         3.06%           L         7         Uncollectible Expense         CUST_ACCT         17.340         5.964         3.06%           SERV         6         0.015.95%         11.340         5.964         3.06%         11.340         5.964           L         7         Uncollectible Expense         CUST_ACCT         2.22,311         6.36%         10.15%         2.762         3.06%           S         No. of Cus		-		21.22	16.16	0.34	2.85	1.87
2122       16       0       3         With the med Bils       CUST ACCT       133,86       163,68       5,85%       3,06%         WETRD       5       No. of Bils       175,168       11,340       5,964         METRD       6       Customer Service - Weighted       15,168       11,340       5,85%       3,06%         SERV       6       Customer Service - Weighted       CUST ACCT       133,866       175,168       11,340       5,86%       3,06%         L       7       Uncollectible Expense       CUST ACCT       133,866       175,168       11,340       5,964         L       7       Uncollectible Expense       CUST ACCT       16,168       11,540       5,964       3,06%         L       7       Uncollectible Expense       CUST ACCT       22,2310       22,316       13,356       3,06%         S       9       Metrs (Wid Cosi)       MeT_SVC       16,168       14,359       3,06%       3,06%         S       9       Metrs (Wid Cosi)       MeT_SVC       5,134,139       6,364%       3,06%       497       36,36%         S       9       Metrs (Wid Cosi)       MeT_SVC       5,144,130       6,146       497       36,272	PF_MAX_HOUR	3 Maximum Hourly Demand - Public Fire (MGD)	FIRE		76.17%	1.59%	13.41%	8.83%
Image: No. of Bils         CUST ACCT         133 896         90.35%         5.85%         3.08%         5.964           VETRD         5         No. of Mellered Bils         CUST ACCT         193,896         175,188         11,140         5.964         3.08%           SERV         6         Customer Service - Weighted         CUST ACCT         193,896         90.35%         5.85%         3.08%           L         7         Uncollectible Expense         CUST ACCT         193,896         90.35%         5.85%         3.08%           L         7         Uncollectible Expense         CUST ACCT         115,188         11,1340         5.964           L         7         Uncollectible Expense         CUST ACCT         32,331         68.76%         5.964         3.08%           L         7         Uncollectible Expense         CUST ACCT         32,331         68.76%         5.964         3.08%           S         9         No. of Customers         CUST ACCT         32,32,331         68.76%         5.964         3.08%           S         9         No. of Customers         CUST ACCT         32,341         9.455         3.09%           S         9         No. of Customers         EV         14.569<				21.22	16	0	ε	N
METRD         5         No. of Metered Bils         115,168         11,340         5,64           METRD         5         No. of Metered Bils         133,866         175,168         11,340         5,644           SERV         6         Customer Service - Weighted         L         133,866         90.35%         5,85%         3,09%           L         7         Uncollectbile Expense         CUST_ACCT         133,866         175,168         11,340         5,964           L         7         Uncollectbile Expense         CUST_ACCT         322,331         6,87%         3,08%         3,08%           L         7         Uncollectbile Expense         CUST_ACCT         322,313         15,168         11,540         5,964           S         No. of Customers         CUST_ACCT         322,311         6,376         3,08%         3,08%           S         Metres (Wid Cosi)         MET_SVC         5,134,139         6,366,40         3,167         9,964           S         Metres (Wid Cosi)         Met_SVC         5,134,139         5,68%         3,08%         4,97         10,66%         10,15%           S         16,143         14,569         9,465         3,46%         7,06%         2,14%	BILLS		CUST_ACCT		90.35%	5.85%	3.08%	0.72%
METRO         5         No. of Metered Bils         CUST ACCT         133.886         90.35%         5.86%         3.08%         5.964         3.08%         3.08%         5.964         3.08%         5.964         3.08%				193,896	175,188	11,340	5,964	1,404
Image: SEV         6         Customer Service - Weighted         CUST_ACCT         133,866         1175,168         11,340         5,664         5,664           L         7         Uncollectible Expense         CUST_ACCT         33,866         175,168         11,340         5,964         5,964           L         7         Uncollectible Expense         CUST_ACCT         32,835         5,85%         5,964         5,964           R         No. of Customers         CUST_ACCT         32,2331         26,778         10,15%         4,97           S         9         No. of Customers         CUST_ACCT         16,158         10,15%         4,97         4,97         4,97         4,97         2,92         9         4,97         10,14,15%         10,15%         10,15%         10,14         10,	BILLS METRD		CUST ACCT		90.35%	5.85%	3.08%	0.72%
ERV         6         Customer Service - Weighted         CUST_ACCT         133,866         115,168         11,340         5,864         3.08%         5,864         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         5,964         3.08%         <				193,896	175,188	11,340	5,964	1,404
Image:	CUST SERV		CUST ACCT		90.35%	5.85%	3.08%	0.72%
L         7         Uncollectible Expense         CUST_ACCT         322,931         68.78%         19.35%         10.15% <t< td=""><td></td><td>-</td><td></td><td>193,896</td><td>175,188</td><td>11,340</td><td>5,964</td><td>1,404</td></t<>		-		193,896	175,188	11,340	5,964	1,404
322,301         222,110         62,484         32,782           8         No. of Customers         CUST ACCT         90,35%         5,85%         3,06%           5         9         Meters (Wid Cost)         MET_SVC         5,134,139         14,599         6,13%         7,06%           10         Annual Consumption (MG)         BASE         2,196         7,66%         2,14%         16,28%         36,24%           11         Current Revenues         REV         81,443,063         5,13,4130         310,24%         16,37%         7,66%         36,47%         96	UNCOLL		CUST ACCT		68.78%	19.35%	10.15%	1.72%
8         No. of Customers         CUST_ACCT         16,158         90.35%         5.85%         3.08%         497           S         9         Metrs (Wrd Cost)         MET_SVC         5,134,139         85.04%         6.13%         7.06%         97           S         9         Metrs (Wrd Cost)         MET_SVC         5,134,139         4.366,160         31,574         9.2472         9           10         Anual Consumption (MG)         BASE         2,146         7.60%         21,477         369         3677         9           11         Current Revenues         REV         710,480,44         540,634         50.2%         15,316         75,80%         352,10,892         564				322,931	222,110	62,484	32,782	5,555
Is, Tes         15, Tes         14,599         945         497         497           S         9         Meters (Mtd Cost)         MET_SVC         5,134,139         85,64%         6,13%         7,06%         945         497         7,06%         945         497         7,06%         945         7,06%         945         7,06%         945         7,06%         945         7,06%         945         7,06%         945         7,06%         945         7,06%         945         7,06%         945         7,06%         945         947         9         95,472         9         96,472         9         96,472         9         96,472         9         96,472         9         96,472         9         96,472         9         96,472         9         96,472         9         96,472         9         96,947         96,472         96,472         96,947         96,472         96,472         96,947         96,947         96,948         96,472         8,444         96,474         96,948         96,472         8,494         96,474         8,436,634         8,414,436         8,444,436         8,444,436         8,444,444         96,489         8,414,436         8,444,436         96,494         96,495         96,479	CUST		CUST ACCT		90.35%	5.85%	3.08%	0.72%
S         9         Metris (Wid Cost)         MET_SVC         5,134,139         85.04%         6.13%         7.06%         9           10         Annual Consumption (MG)         BASE         2,196         75.08%         2,14%         16.82%         369           11         Current Revenues         REV         \$14,43.063         \$10,948.044         \$436.503         30.2%         15,31%         766%         99				16,158	14,599	945	497	117
10         Annual Consumption (MG)         BASE         5,134,139         4,366,150         314,574         362,472         5         5           10         Annual Consumption (MG)         BASE         2,196         75,08%         2,14%         16,82%         369 <td>METERS</td> <td>9 Meters (Wtd Cost)</td> <td>MET SVC</td> <td></td> <td>85.04%</td> <td>6.13%</td> <td>7.06%</td> <td>1.77%</td>	METERS	9 Meters (Wtd Cost)	MET SVC		85.04%	6.13%	7.06%	1.77%
10         Annual Consumption (MG)         BASE         75.08%         2.14%         16.82%           2,196         1,648         47         369         369           11         Current Revenues         REV         \$14,43,063         \$10,948,044         \$325,838         \$2,210,892         \$869			l	5,134,139	4,366,150	314,574	362,472	90,943
2,196         1,648         47         369           11         Current Revenues         REV         75,80%         302%         15,31%           \$14,43,063         \$10,948,044         \$436,838         \$2,210,892         \$8	USAGE	10 Annual Consumption (MG)	BASE		75.08%	2.14%	16.82%	5.96%
11         Current Revenues         REV         75.80%         30.2%         15.31%         55.80%         30.2%         15.31%         58.85%         52.210.892         \$8.85%         52.210.892         \$8.85%         53.85%         52.210.892         \$8.85%         53.85%				2,196	1,648	47	369	131
\$14,443,063 \$10,948,044 \$436,838 \$2,210,892	SALES	11 Current Revenues	REV		75.80%	3.02%	15.31%	5.87%
				\$14,443,063	\$10,948,044	\$436,838	\$2,210,892	\$847,289

#### GREAT BASIN WATER COMPANY ACOS Study BR-2, Schedule 5 Summary of Internal Allocators - Water

Name	No.	Description	Total	Residential	Multi-Res	Commercial	Irrigation
ΤΟΤΡLΤ		1 Total Plant in Service	118,806,382 100.00%	92,511,270 77.87%	3,200,824 2.69%	15,144,297 12.75%	7,949,991 6.69%
NETPLT	3	2 Total Net Plant in Service	81,778,853 100.00%	63,881,598 78.12%	2,310,293 2.83%	10,288,026 12.58%	5,298,936 6.48%
RTBASE	e	3 Rate Base	59,939,474 100.00%	46,864,907 78.19%	1,725,569 2.88%	7,518,581 12.54%	3,830,417 6.39%
LABOR	4	Labor Expenses	2,114,341 100.00%	1,619,390 76.59%	95,602 4.52%	297,339 14.06%	102,009 4.82%
OMEXP	Ω.	O&M Expenses	7,539,049 100.00%	5,784,935 76.73%	231,672 3.07%	1,073,533 14.24%	448,908 5.95%
SUPPL_OM	9	Supply O&M Expenses	388,884 100.00%	291,990 75.08%	8,313 2.14%	65,415 16.82%	23,166 5.96%
TREAT_OM	7	7 Treatment O&M Expenses	368,713 100.00%	276,845 75.08%	7,882 2.14%	62,022 16.82%	21,964 5.96%
TnD_OM	ω	Transmission and Distribution O&M Expenses	2,196,962 100.00%	1,656,571 75.40%	48,783 2.22%	360,315 16.40%	131,294 5.98%
CUSTS_OM	6	Customer Accounts Expenses	212,038 100.00%	170,999 80.65%	25,281 11.92%	13,272 6.26%	2,486 1.17%
TDPLT	10	10 Transmission and Distribution Plant	69,140,954 100.00%	54,600,960 78.97%	2,175,290 3.15%	8,082,327 11.69%	4,282,377 6.19%

Detailed Acoo Results by Class - Water

Page 1 of 25

							Side	ıtial			
No. RATE BASE	Account Description BASE	Alloc. Factor	Amount	- BASE	MAXD	МАХН	MET_SVC 0	CUST_ACCT	FIRE	REV	TOTAL
Plant-i	Plant-in Service										
	Plant										
301.1	Intangible Plant - Organization	TOTPLT	40,241		ю́		7,439		560	'	31,335
302.1	Intangible Plant - Franchises	TOTPLT	7,528				1,392	•	105	'	5,861
339.1	Intangible Plant - Other Intangible Plant	TOTPLT	(1,268,275)	- (295	(295,584) (99,321)	(1) (340,567)	(234,448)	•	(17,651)	•	(987,571)
303.2	Source of Supply & Pumping - Land & land rights	USAGE	276,637	- 207	207,711					'	207,711
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	775,272	- 582	582,106				'	'	582,106
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	325		244			•	•		244
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	•						•		
307.2	Source of Supply & Pumping - Wells & springs	USAGE	19,098,692	- 14,340,081	,081						14,340,081
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE					•	•	•	•	
309.2	Source of Supply & Pumping - Supply mains	USAGE	347,840	- 261							261,172
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	1,491,635	- 332					•		1,142,497
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	3,616,659	- 805	÷,	-				'	2,770,130
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	227,862	- 50		9				•	174,528
303.3	Water Treatment - Land & land rights	USAGE	1,758,071	- 391						•	1,346,570
304.3	Water Treatment - Structures & improvements	USAGE	468,360	- 104		-				'	358,734
311.3	Water Treatment - Pumping equipment	USAGE	1,798,241	- 400		4	•			'	1,377,338
320.3	Water Treatment - Water treatment equipment	USAGE	5,721,641	- 1,273	3,10	2				'	4,382,411
339.3	Water Treatment - other plant & misc. equip.	USAGE	14,574		3,245 7,918			•	'	•	11,163
303.4	Transmission & Distribution Plant - Land & land rights		- 9,028		/39	- 3,6/2	2,528		190		7,130
304.4	Transmission & Distribution Plant - Structures & improvements		/10,010	-	58,096	- 288,814	198,821		14,969		560,699
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	. 509,764		/2,500	- 360,420				'	432,920
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	6,608,729	- 840	840,935	- 4,180,540					5,021,475
531.4	Ulstribution Mains - 1&U		20,208,020	- 3,342,5U3 4 220 446	,5U3	- 10,010,010 -					7 000 205
4.100	Transmission Mains - Lou Transmission & Distribution Plant Society	UOAGE MITTERS	10,010,973	- 1,000	,110	- 0,002,179		•	•	•	1,990,295
4.000	Transmission & Distribution Flain - Services		7 764 500				12,000,332 6 760,402	•	•	•	12,000,332 6 760 402
004.4	Transmission & Distribution Plant - Meters & meter installations Transmission & Distribution Dlant - Uverseta	DE MAY HOUD					0,20U,4U3	•	- 444 046	•	0,200,403
4.000	Transmission & Distribution Flain - Hyulants Transmission & Distribution Diant - Dockflow movement on devisors		1,032,340 . 66 244		1 570		- 16 407		1,44,1,010		010,144,1
1.000	Transmission & Distribution Plant - other plant & misc. equip	TUPLT		r 							
303.5	General Plant - Land & land rights	TOTPLT	86,749	- 20	20.218 6.793	3 23,294	16.036		1.207		67.549
304.5	General Plant - Structures & improvements	TOTPLT	5,989,331	- 1,395	,395,874 469,036	1,6	1,107,161		83,355	'	4,663,727
340.5	General Plant - office furniture & equip.	TOTPLT	4,084,581	- 951	951,953 319,871	1,096,823	755,058		56,846	•	3,180,551
341.5	General Plant - Transportation equipment	TOTPLT	1,542,545	- 356	120	414	285,148		21,468	,	1,201,137
342.5	General Plant - Stores equipment	TOTPLT	2,141				396	•	30	•	1,668
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	963,281	- 224		N	178,068		13,406	'	750,080
344.5	General Plant - Laboratory equipment	TOTPLT	129,546	- 30			23,947		1,803	'	100,874
345.5	General Plant - Power operated equipment	TOTPLT	270,052	- 62			49,921	•	3,758	'	210,282
346.5	General Plant - Communication equipment	TOTPLT	1,939,575	- 452	16	22	358,541		26,993		1,510,294
347.5	General Plant - Miscellaneous equipment	TOIPLT	34,552				6,387	•	481	•	26,905
348.5	General Plant - Other tangible plant	TOTPLT	247,772	- 57	57,746 19,404	ld 66,534	45,802		3,448		192,933
AUA		ł	118,806,382	- 27,689,031	,031 9,303,957	31,902,804	21,962,028		1,653,450		92,511,270
	TOTAL PLANT-IN-SERVICE		118,806,382	- 27,689,031	1,031 9,303,957	7 31,902,804	21,962,028		1,653,450	•	92,511,270

Page 2 of 25

						MRES Multi-Res	ES -Res			
No. RATE BASE	Account Description 3ASE	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC	cust_AccT	FIRE	REV	TOTAL
Plant-ir	Plant-in Service									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	267	43	226	536	'	12		1,084
302.1	Intangible Plant - Franchises	TOTPLT	50	80	42	100	'	2	'	203
339.1	Intangible Plant - Other Intangible Plant	TOTPLT	(8,415)	(1,363)	(7,129)	(16,892)	•	(370)		(34,169)
303.2	Source of Supply & Pumping - Land & land rights	USAGE	5,914							5,914
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	16,573	'	'	'				16,573
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	7	'	'	'	'			7
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	'	'	'	'	'	'	'	•
307.2	Source of Supply & Pumping - Wells & springs	USAGE	408,270	'	•	•	•	'	,	408,270
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE		•	'	'	•	'		
309.2	Source of Supply & Pumping - Supply mains	USAGE	7,436	•	•	'	•	•	•	7,436
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	9,455	11,124	'	'				20,579
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	22,925	26,970		'		'		49,895
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	1,444	1,699	'	'	•			3,144
303.3	Water Treatment - Land & land rights	USAGE	11,144	13,110		•	•			24,254
304.3	Water Treatment - Structures & improvements	USAGE	2,969	3,493	•	•	•	•	•	6,461
311.3	Water Treatment - Pumping equipment	USAGE	11,399	13,410	'	'	•	•		24,809
320.3	Water Treatment - Water treatment equipment	USAGE	36,268	42,668	•	•	•	•	•	78,936
339.3	Water Treatment - other plant & misc. equip.	USAGE	92	109	'	' !	•		•	201
303.4	Transmission & Distribution Plant - Land & land rights		21	•	11	182	•	4 6	•	284
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	1,654	•	6,046	14,325	•	313	•	22,338
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	2,064	•	7,545	'	•			9,609
330.4	Iransmission & Distribution Plant - Distrib. res. & standpipes	USAGE	23,942	•	87,516	'	•			111,458
431.4		USAGE	90,103 20,007		341,852					610,544
4.100	Transmission & Distribution Diant Consisson	METEDS	160,00		102,801	-	•			400,111 990 000
4.000	Transmission & Distribution Flant - Ostyless Transmission 9 Distribution Dant - Matara 9 matar installations	METERS	•	•	•	320,200 AE1 0E2	•	•	•	320,200 AEA DEO
1.100	Transmission & Distribution Flant - Interes & Interent Installations Transmission 9 Distribution Dist - Undroute	DE MAY HOUD	•	•	•	700,104	•			200,104
4.000	Transmission & Distribution Plant - Hyuranus Transmission & Distribution Diart - Dockflow provincient		- 120		- 171	- 117	•	571,UC		00,170 1741
4.000	Transmission & Distribution Flant - Backnow prevention devices		671		- 7+	1,117	•	74		1,741
303.5	General Plant - L and & land rights		576	93	488	1 155		25		2 337
304.5	General Plant - Structures & improvements	TOTPLT	39.741	6 438	33.668	79,769		1 745		161 362
340.5	General Plant - office furniture & equip.	TOTPLT	27.103	4.391	22.961	54.401	'	1.190	,	110.045
341.5	General Plant - Transportation equipment	TOTPLT	10,235	1,658	8,671	20,544		449		41,558
342.5	General Plant - Stores equipment	TOTPLT	14	2	12	29	•	-		58
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	6,392	1,035	5,415	12,829		281		25,952
344.5	General Plant - Laboratory equipment	TOTPLT	860	139	728	1,725	'	38		3,490
345.5	General Plant - Power operated equipment	TOTPLT	1,792	290	1,518	3,597	'	62	,	7,276
346.5	General Plant - Communication equipment	TOTPLT	12,870	2,085	10,903	25,832	•	565	•	52,255
347.5	General Plant - Miscellaneous equipment	TOTPLT	229	37	194	460	'	10		931
348.5	General Plant - Other tangible plant	TOTPLT	1,644	266	1,393	3,300	'	72	'	6,675
ADJ		ž	- 788,321	127,706	- 667,855	1,582,328		34,613		3,200,824
	TOTAL PLANT-IN-SERVICE		788,321	127,706	667,855	1,582,328	•	34,613	•	3,200,824

Page 3 of 25

						COM Commercial				
No. RATE BASE	Account Description ASE	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC CUST_ACCT		FIRE	REV	TOTAL
Plant-in	Plant-in Service									
	Plant									
301.1	Intangible Plant - Organization	ΤΟΤΡLΤ	2,101	410	1,902	618		66	'	5,130
302.1	Intangible Plant - Franchises	TOTPLT	393	77	356	116	,	18	'	960
339.1	Intangible Plant - Other Intangible Plant	TOTPLT	(66,220)	(12,925)	(59,952)	(19,464)	,	(3,107)		(161,668)
303.2	Source of Supply & Pumping - Land & land rights	USAGE	46,534							46,534
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	130,410		'		,			130,410
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	55	,	'		,	,	'	55
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE		'		ı	,	,	,	•
307.2	Source of Supply & Pumping - Wells & springs	USAGE	3,212,620	•	•	I		,	•	3,212,620
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	•	•	•	I		,	•	•
309.2	Source of Supply & Pumping - Supply mains	USAGE	58,511	'		i	,		,	58,511
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	74,401	105,459		ı	,	,	,	179,859
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	180,394	255,698					•	436,092
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	11,365	16,110	'				•	27,475
303.3	Water Treatment - Land & land rights	USAGE	87,690	124,296	'				•	211,986
304.3	Water Treatment - Structures & improvements	USAGE	23,361	33,113	•				•	56,474
311.3	Water Treatment - Pumping equipment	USAGE	89,694	127,136					•	216,829
320.3	Water Treatment - Water treatment equipment	USAGE	285,387	404,520					•	689,908
339.3	Water Treatment - other plant & misc. equip.	USAGE	727	1,030	•				•	1,757
303.4	Transmission & Distribution Plant - Land & land rights	TDPLT	165	•	646	210		8	•	1,055
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	13,015		50,841	16,506		2,635		82,998
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	16,242		63,447		,	'		79,689
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	188,395		735,924		,	,		924,320
331.4	Distribution Mains - T&D	USAGE	748,824		2,925,112		,	,	•	3,673,936
331.4	Transmission Mains - T&D	USAGE	299,779	•	1,171,021	1				1,470,800
333.4	Transmission & Distribution Plant - Services	METERS		'	'	1,069,607	,	'		1,069,607
334.4	Transmission & Distribution Plant - Meters & meter installations	METERS	•	,		519,730	,		•	519,730
335.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR						253,723	•	253,723
336.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT	1,014	•	3,963	1,287		205	•	6,469
339.4 200 r	Iransmission & Distribution Plant - other plant & misc. equip.	TUPLI TOTRI T			1077		,	' 070		- 10 11
303.5 204 F	General Plant - Land & land rights		4,529	004 700 10	101,4	1,331		213	•	762 462
340.5	General Plant - Structures & intiprovernents General Plant - office furniture & equin		012,719 013 067	41 626	203,110 103 080	91,915 62.684		10,007		703,402 520,663
3415	General Plant - Transportation equipment		80 540	15,720	72 917	23,673		3 779		196,620
342.5	General Plant - Stores equipment	TOTPLT	112	22	101	33	,	2		273
343.5	General Plant - Tools, shop & misc, equip.	TOTPLT	50,295	9.817	45,535	14.783		2.360		122.790
344.5	General Plant - Laboratory equipment	TOTPLT	6,764	1,320	6,124	1,988	,	317		16,513
345.5	General Plant - Power operated equipment	TOTPLT	14,100	2,752	12,765	4,144		662		34,424
346.5	General Plant - Communication equipment	TOTPLT	101,270	19,766	91,685	29,766	,	4,752	•	247,238
347.5	General Plant - Miscellaneous equipment	TOTPLT	1,804	352	1,633	530		85	•	4,404
348.5	General Plant - Other tangible plant	TOTPLT	12,937	2,525	11,712	3,802		607	'	31,584
ADJ		ł	- 6,2 <i>0</i> 3,196	1,210,743	5,616,032	- 1,823,259		- 291,066		15,144,297
	TOTAL PLANT-IN-SERVICE		6,203,196	1,210,743	5,616,032	1,823,259		291,066		15,144,297

Page 4 of 25

		i				IRR Irrigation				
No. RATE BASE	Account Description	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC CUST_ACCT	CCT	FIRE	REV	TOTAL
Plant-in	Plant-in Service									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	744	476	1,253	155	,	65		2,693
302.1	Intangible Plant - Franchises	TOTPLT	139	89	234	29	,	12	'	504
339.1	Intangible Plant - Other Intangible Plant	TOTPLT	(23,451)	(14,995)	(39,491)	(4,883)	,	(2,047)		(84,867)
303.2	Source of Supply & Pumping - Land & land rights	USAGE	16,479							16,479
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	46,183		'			•	'	46,183
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	19	,	'		,		'	19
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	•	'	'		,		'	•
307.2	Source of Supply & Pumping - Wells & springs	USAGE	1,137,720		•			•		1,137,720
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	•	•	•			•	•	•
309.2	Source of Supply & Pumping - Supply mains	USAGE	20,721	•	•				•	20,721
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	26,348	122,352	'		,			148,700
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	63,885	296,658	•				'	360,542
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	4,025	18,690						22,715
303.3	Water Treatment - Land & land rights	USAGE	31,055	144,206	•					175,261
304.3	Water Treatment - Structures & improvements	USAGE	8,273	38,417	•			•	•	46,690
311.3	Water Treatment - Pumping equipment	USAGE	31,764	147,501	'					179,265
320.3	Water Treatment - Water treatment equipment	USAGE	101,067	469,319	•	ı		•	•	5/0,387
339.3	Water Treatment - other plant & misc. equip.	USAGE	257	1,195	- 00	' :		' 0	•	1,453
303.4	Transmission & Distribution Plant - Land & land rights	TDPLT	59	•	426	53		22	•	559
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	4,609	•	33,490	4,141		1,736	•	43,976
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	5,752		41,793					47,545
330.4	Iransmission & Distribution Plant - Distrib. res. & standpipes	USAGE	66,/19 765 400		484,758				'	1/4/100
4.1.55	Uistribution Mains - L&U Transmission Mains - L&D		205,189		1,926,/91					2, 191, 981
4.100	Transmission & Distribution Plant - Services	METERS	100,104		-	268 361				268 361
334.4	Transmission & Distribution Plant - Meters & meter installations	METERS		,	,	130,399		,	,	130.399
335.4	Transmission & Distribution Plant - Hvdrants	PF MAX HOUR		,	,	-	,	167,129	,	167,129
336.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT	359	,	2.610	323		135	,	3.428
339.4	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT			. '	! '		'		
303.5	General Plant - Land & land rights	TOTPLT	1,604	1,026	2,701	334		140	'	5,805
304.5	General Plant - Structures & improvements	TOTPLT	110,747	70,814	186,492	23,061		9,665	'	400,779
340.5	General Plant - office furniture & equip.	TOTPLT	75,527	48,293	127,183	15,727		6,592		273,322
341.5	General Plant - Transportation equipment	TOTPLT	28,523	18,238	48,031	5,939		2,489		103,220
342.5	General Plant - Stores equipment	TOTPLT	40	25	67	8		e	•	143
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	17,812	11,389	29,994	3,709		1,555		64,458
344.5	General Plant - Laboratory equipment	TOTPLT	2,395	1,532	4,034	499		209	'	8,669
345.5	General Plant - Power operated equipment	TOTPLT	4,993	3,193	8,409	1,040		436		18,071
346.5	General Plant - Communication equipment		35,864	22,932	60,393 1 076	7,468		3,130 50		129,788
0.140 7.040	General Plant - Miscellaneous equipment		800	409	1,0/0	133		00		2,312
348.5 AD.I	General Plant - Other tangible plant	iuipli č	4,581 -	2,929	GL/'/	4CB		400		16,380
			2,196,806	1,404,689	3,699,319	457,449	•	191,727	•	7,949,991
	TOTAL PLANT-IN-SERVICE		2,196,806	1,404,689	3,699,319	457,449		191,727		7,949,991

25
ę
e 5
Pag

TOTAL

REV

FIRE

TOTAL MET\_SVC CUST\_ACCT

MAXH

MAXD

BASE

Alloc. Factor

Account Description

°.

RATE	RATE BASE					I	I			
Plant-i	Plant-in Service									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	12,491	4,080	14,187	8,747	'	735		40,241
302.1	Intangible Plant - Franchises	TOTPLT	2,337	763	2,654	1,636		138	'	7,528
339.1	Intangible Plant - Other Intangible Plant	TOTPLT	(393,671)	(128,604)	(447,139)	(275,686)	'	(23,174)	•	(1,268,275)
303.2	Source of Supply & Pumping - Land & land rights	USAGE	276,637						,	276,637
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	775,272	'	'		'	,	•	775,272
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	325	'	'		,		•	325
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	•				•		'	•
307.2	Source of Supply & Pumping - Wells & springs	USAGE	19,098,692	•	'		•		•	19,098,692
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE		'	'		'		•	•
309.2	Source of Supply & Pumping - Supply mains	USAGE	347,840	'	'		'		•	347,840
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	442,304	1,049,331	'		'		•	1,491,635
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	1,072,423	2,544,236			•		'	3,616,659
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	67,566	160,296	'		•		•	227,862
303.3	Water Treatment - Land & land rights	USAGE	521,309	1,236,762	•	•	•		•	1,758,071
304.3	Water Treatment - Structures & improvements	USAGE	138,880	329,480	'		'		•	468,360
311.3	Water Treatment - Pumping equipment	USAGE	533,220	1,265,021	'		,		'	1,798,241
320.3	Water Treatment - Water treatment equipment	USAGE	1,696,599	4,025,042	'		,		•	5,721,641
339.3	Water Treatment - other plant & misc. equip.	USAGE	4,322	10,253	'		•		•	14,574
303.4	Transmission & Distribution Plant - Land & land rights	TDPLT	984	'	4,822	2,973	•	250	•	9,028
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	77,375		379,191	233,792	,	19,653	'	710,010
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	96,559		473,205		'		•	569,764
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	1,119,991	'	5,488,739		,		•	6,608,729
331.4	Distribution Mains - T&D	USAGE	4,451,678	•	21,816,342		•		•	26,268,020
331.4	Transmission Mains - T&D	USAGE	1,782,157	•	8,733,816		•		•	10,515,973
333.4	Transmission & Distribution Plant - Services	METERS		'	'	15,150,166	'		•	15,150,166
334.4	Transmission & Distribution Plant - Meters & meter installations	METERS	,	'	'	7,361,583	,		•	7,361,583
335.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR	•				•	1,892,340	'	1,892,340
336.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT	6,031	•	29,555	18,223	•	1,532	•	55,341
339.4	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT	•	•	'		•		•	•
303.5	General Plant - Land & land rights	TOTPLT	26,927	8,796	30,584	18,857	'	1,585	•	86,749
304.5	General Plant - Structures & improvements	TOTPLT	1,859,081	607,325	2,111,580	1,301,907	,	109,438	•	5,989,331
340.5	General Plant - office furniture & equip.	TOTPLT	1,267,849	414,181	1,440,047	887,870	•	74,634	'	4,084,581
341.5	General Plant - Transportation equipment	TOTPLT	478,804	156,416	543,835	335,305	•	28,186	,	1,542,545
342.5	General Plant - Stores equipment	TOTPLT	665	217	755	465	•	39	•	2,141
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	299,001	97,678	339,611	209,389	'	17,601	•	963,281
344.5	General Plant - Laboratory equipment	TOTPLT	40,211	13,136	45,672	28,160	'	2,367	•	129,546
345.5	General Plant - Power operated equipment	TOTPLT	83,824	27,384	95,209	58,701	'	4,934	'	270,052
346.5	General Plant - Communication equipment	TOTPLT	602,042	196,675	683,811	421,607	'	35,440	•	1,939,575
347.5	General Plant - Miscellaneous equipment		10,725	3,504	12,182	7,511	'	631	•	34,552
348.5 AD I	General Plant - Other tangible plant	TOTPLT	76,908	25,124	87,354 -	53,859		4,527		247,772
ŝ		1	36.877.355	12.047.096	41.886.010	25.825.064		2.170.857		118,806,382
						Î				

118,806,382

.

2,170,857

.

25,825,064

41,886,010

12,047,096

36,877,355

TOTAL PLANT-IN-SERVICE

63,881,598

.

1,233,863

.

17,092,589

21,392,788

5,614,439

18,547,919

. .

81,778,853

NET PLANT

							RES Residential	_			
No.	Account Description	Alloc. Factor	Amount -	BASE	MAXD	МАХН	MET_SVC CUS	CUST_ACCT	FIRE	REV	TOTAL
Accum	Accumulated Reserve for Depreciation										
	Plant										
301.1	Intangible Plant - Organization	ΤΟΤΡLΤ	(12,944) -	(3,017)	(1,014)	(3,476)	(2,393)		(180)		(10,079)
302.1	Intangible Plant - Franchises	TOTPLT	(8,029) -	(1,871)	(629)	(2,156)	(1,484)	•	(112)	1	(6,252)
339.1	Intangible Plant - Other Intangible Plant	USAGE	638,002 -	479,038		•					479,038
303.2	Source of Supply & Pumping - Land & land rights	USAGE				'				'	
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	(299,637) -	(224,980)							(224,980)
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	(115) -	(86)	•	•		•	•	•	(86)
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE									
307.2	Source of Supply & Pumping - Wells & springs	USAGE	(5,983,225) -	(4,492,451)	•	'				'	(4,492,451)
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE		'	'	'				'	'
309.2	Source of Supply & Pumping - Supply mains	USAGE	(1,871) -	(1,405)						'	(1,405)
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	(231,020) -	(51,435)	(125,512)	•			•	•	(176,946)
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	(570,376) -	(126,989)	(309,882)	'			,	'	(436,871)
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	(43,037) -	(9,582)	(23,382)	'				'	(32,964)
303.3	Water Treatment - Land & land rights	USAGE								'	
304.3	Water Treatment - Structures & improvements	USAGE	(54,208) -	(12,069)	(29,451)	'	,			'	(41, 520)
311.3	Water Treatment - Pumping equipment	USAGE	(917,582) -	(204,292)	(498,517)	'	,			'	(702,809)
320.3	Water Treatment - Water treatment equipment	USAGE	(3,709,915) -	(825,982)	(2,015,576)	•			•	'	(2,841,558)
339.3	Water Treatment - other plant & misc. equip.	USAGE	(14,124) -	(3,144)	(7,673)	'				'	(10,818)
303.4	Transmission & Distribution Plant - Land & land rights	TDPLT			•		•		1	'	
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	(228,103) -	(18,664)	•	(92,786)	(63,875)		(4,809)	'	(180,134)
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	13,070 -	1,663		8,268				'	9,931
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	(1,453,339) -	(184,932)	•	(919,351)				'	(1,104,283)
331.4	Distribution Mains - T&D	USAGE	(8,098,609)	(1,030,516)	•	(5, 123, 006)				'	(6, 153, 523)
331.4	Transmission Mains - T&D	USAGE	(3,242,146) -	(412,550)	•	(2,050,912)	•			'	(2,463,462)
333.4	Transmission & Distribution Plant - Services	METERS	(1,378,565) -	•		'	(1,172,352)				(1,172,352)
334.4	Transmission & Distribution Plant - Meters & meter installations	METERS	(2,384,360) -	•	•	•	(2,027,696)			•	(2,027,696)
335.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR	(385,874) -	- 1	•	·			(293,904)	•	(293,904)
336.4	Transmission & Distribution Plant - Backflow prevention devices		(5,336) -	(437)	•	(2,170)	(1,494)		(112)	'	(4,214)
339.4	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT									
303.5	General Plant - Land & land rights	TOTPLI				-					
304.5			(Z,391,080) -	(104,100)	(187,798)	(042,234)	(442,117)		(33,286)		(1,862,340)
0.040 71 FC	General Plant - Office Turniture & equip.		- (cnn; c2; c2; c)	(031,032)	(201,032)	(900,300) (740,505)	(100,500)		(20,032)		(2,199,332)
240 10	General Plant - Manapoliaiuni equiprierit		- (111,026)	(001,012)	(12,433)	(240,333)	(11,134)		(12,004)		(120,012)
343.5	General Plant - Tools shon & misc equip	TOTPLT	- (146)	(216.584)	(72 776)	(249,544)	(171 787)		(12,933)		(723,623)
344.5	General Plant - I aboratory equipment	TOTPLT	(35,869) -	(8.360)	(2,809)	(9.632)	(6.631)	,	(499)	,	(22,522)
345.5	General Plant - Power operated equipment	TOTPLT	(75,299) -	(17.549)	(5.897)	(20,220)	(13,919)		(1.048)		(58,633)
346.5	General Plant - Communication equipment	TOTPLT	(614.435) -	(143,200)	(48.118)	(164.993)	(113.582)		(8.551)	'	(478.444)
347.5	General Plant - Miscellaneous equipment	TOTPLT	(24.112) -	(5.620)	(1.888)	(6.475)	(4.457)		(336)	'	(18.775)
348.5	General Plant - Other tangible plant	TOTPLT	(63,766) -	(14,861)	(4,994)	(17,123)	(11,788)	,	(887)		(49,653)
ADJ	•	TOTPLT							•		
			(37,027,528) -	(9,141,112)	(3,689,518)	(10,510,016)	(4,869,439)	•	(419,587)	•	(28,629,673)
	TOTAL DEPRECIATION ACCRUAL		(37,027,528)	(9,141,112)	(3,689,518)	(10,510,016)	(4,869,439)		(419,587)	•	(28,629,673)
				•					•		

Page 6 of 25

Page 7 of 25

	TOTAL			(349)	(216)	13,638	•	(6,405)	(2)	•	(127,902)	•	(40)	(3,187)	(7,869)	(204)		(748)	(12,659)	(51,182)	(195)	- i	(7,177)	220	(110,42)	(130,303)	(84.466)	(146,092)	(6,153)	(168)	•		(64,436)	(90,833)	(24,942)	(22)	(966)	(2.029)	(16,554)	(650)	(1,718)	(800 531)	(100,000)	(890,531)	0 010 000
	REV				'	'	'		'		'		•	•	•	'			•	•		'	•	'	•				'	'	'	•	•						'		'		•	•	
	FIRE			(4)	(2)		'			•	'		•	•	•	'		•	•	•			(101)		•				(6,153)	(2)	•	1	(697)	(1,047)	(0/7)	(0)	(10)	(22)	(179)	( <u>/</u> )	(19)	- (8 784)	(40,10)	(8,784)	050 30
S	CUST_ACCT			'	,	'	,	•	'	•		'	'	'	•			•	•	•	'	,	•		•					,		•									•	• •		•	
MRES Multi-Res	MET_SVC C			(172)	(107)		,					,	•	•	•			•	•	•		-	(4,602)		•		(84.466)	(146,092)		(108)	•		(31,854)	(47,880)	(12,330)	(10 377)	(12,377)	(1.003)	(8, 183)	(321)	(849)	- (350 835)	(000,000)	(350,835)	1 724 402
	МАХН			(23)	(45)		'	•		•		•	•	•	•				•	•		-	(1,942)	173	(13,240)	(042, 101)	-			(45)		1	(13,445)	(20,203)	(5,204) (F)	(5)	(202)	(423)	(3,454)	(136)	(358)	- (220.017)	(110'077)	(220,017)	000 244
	MAXD			(14)	(6)		'					•	•	(1,723)	(4,253)	(321)		(404)	(6,843)	(27,666)	(105)	'	•		•					'			(2,571)	(3,804)	(388)		(30)	(81)	(090)	(26)	(69)	- (50 642)	1740,000	(50,642)	77 064
	BASE			(86)	(23)	13,638	•	(6,405)	(2)	•	(127,902)	•	(40)	(1,464)	(3,615)	(273)		(344)	(5,816)	(23,516)	(06)	1	(531)	47	(000'0)	(11 746)	(01 1/1 1) -			(12)			(15,870)	(23,834)	(0,143) (6)	(0) (6.166)	(0,100)	(500)	(4,077)	(160)	(423)	- (260 252)	(200,202)	(260,252)	528.060
	Alloc. Factor			TOTPLT	TOTPLT	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	USAGE	TDPLT	TDPLT	USAGE			METERS	METERS	PF_MAX_HOUR	TDPLT	TDPLT	TOTPLT	TOTPLT		ТОТРІТ			TOTPLT	TOTPLT	TOTPLT	TOTPLT	IUIPLI			
	Account Description	Accumulated Reserve for Depreciation		Intangible Plant - Organization	Intangible Plant - Franchises	ntangible Plant - Other Intangible Plant	Source of Supply & Pumping - Land & land rights	Source of Supply & Pumping - Structures & improvements	Source of Supply & Pumping - Collecting & impound. res.	Source of Supply & Pumping - Lake, river & other intakes	Source of Supply & Pumping - Wells & springs	Source of Supply & Pumping - Infiltr. galleries & tunnels	Source of Supply & Pumping - Supply mains	Source of Supply & Pumping - Power generation equipment	Source of Supply & Pumping - Pumping equipment	Source of Supply & Pumping - Other and Misc Equip	Water Treatment - Land & land rights	Water Treatment - Structures & improvements	Water Treatment - Pumping equipment	Water Treatment - Water treatment equipment	Water Treatment - other plant & misc. equip.	Transmission & Distribution Plant - Land & land rights	Transmission & Distribution Plant - Structures & improvements	Transmission & Distribution Plant - Pumping equipment	מ טוגוווטעווטוו רומוון - טוגווט. ופא. מ אמוועטוטפא מיייה דפת	iains - I ou Maine - T&D	Transmission & Distribution Plant - Services	Transmission & Distribution Plant - Meters & meter installations		vices	Transmission & Distribution Plant - other plant & misc. equip.	General Plant - Land & land rights	General Plant - Structures & improvements	General Plant - omce turniture & equip.	General Plant - Transportation equipment	General Plant - Joole shon & micr annin	General Flant - Louis, silop & Illisc. equip. General Plant - Laboratory equipment	Plant - Power operated equipment	General Plant - Communication equipment	General Plant - Miscellaneous equipment	General Plant - Other tangible plant			TOTAL DEPRECIATION ACCRUAL	
		mulated Reserve	Plant	Intangible Plan	Intangible Plan	Intangible Plan	Source of Supl	Source of Sup	Source of Sup	Source of Sup	Source of Sup	Source of Sup	Source of Sup	Source of Sup	Source of Supl	Source of Sup	Water Treatm∈	Water Treatm∈	W ater Treatm∈	W ater Treatm∈	Water Treatm∈	Transmission &	Transmission &	Transmission &		Transmission Mains - T&D	Transmission &	Transmission &	Transmission §	Transmission &	Transmission δ	General Plant -	General Plant		General Plant	General Plant -	General Plant -	General Plant -	General Plant -	General Plant -	General Plant -			TOTAL DEPR	
	No.	Accu		301.1	302.1	339.1	303.2	304.2	305.2	306.2	307.2	308.2	309.2	310.2	311.2	339.2	303.3	304.3	311.3	320.3	339.3	303.4	304.4	311.4	4:000	331.4	333.4	334.4	335.4	336.4	339.4	303.5	304.5	340.5 7 1 1	341.5 342.5	242.5	344.5	345.5	346.5	347.5	348.5	ADJ			

GREAT BASIN WATER COMPANY ACOS Study BR-2, Schedule 6 Detailed ACOS Results by Class - Water

GBWC\_2024 Rate Case\_Vol. 5, Page 53 of 389

						Commercial	al			
No.	Account Description	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC CUST_ACCT	st_acct	FIRE	REV	TOTAL
Accum	Accumulated Reserve for Depreciation									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	(676)	(132)	(612)	(199)	'	(32)		(1,650)
302.1	Intangible Plant - Franchises	TOTPLT	(419)	(82)	(380)	(123)	'	(20)	'	(1,024)
339.1	Intangible Plant - Other Intangible Plant	USAGE	107,319		•		•	•		107,319
303.2	Source of Supply & Pumping - Land & land rights	USAGE					'			
304.2	Source of Supply & Pumping - Structures & improvements	USAGE	(50, 402)						•	(50,402)
305.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE	(19)						•	(19)
306.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	•	•				•		•
307.2	Source of Supply & Pumping - Wells & springs	USAGE	(1,006,447)				'			(1,006,447)
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE					'			
309.2	Source of Supply & Pumping - Supply mains	USAGE	(315)							(315)
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	(11,523)	(16,333)					•	(27,856)
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	(28,450)	(40,326)			•	•		(68,775)
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	(2,147)	(3,043)			•	•		(5,189)
303.3	Water Treatment - Land & land rights	USAGE	•				•	•		
304.3	Water Treatment - Structures & improvements	USAGE	(2,704)	(3,833)			•	•	•	(6,536)
311.3	Water Treatment - Pumping equipment	USAGE	(45,768)	(64,873)	•		•	•	•	(110,641)
320.3	Water Treatment - Water treatment equipment	USAGE	(185,045)	(262,291)	•		•	•		(447,337)
339.3	Water Treatment - other plant & misc. equip.	USAGE	(104)	(666)			•	•		(1,703)
303.4	Transmission & Distribution Plant - Land & land rights	TDPLT	•	'	'		,	•	•	•
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	(4,181)	•	(16,334)	(2,303)	•	(847)	•	(26,664)
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	373	•	1,455		•	•	•	1,828
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	(41,430)		(161,839)		'	'		(203,269)
331.4	Distribution Mains - T&D	USAGE	(230,867)		(901,832)		'			(1,132,699)
331.4	Transmission Mains - T&D	USAGE	(92,424)	•	(361,034)		•	•	•	(453,458)
333.4	Transmission & Distribution Plant - Services	METERS	•	•	•	(97,327)	•	•	•	(97,327)
334.4	Transmission & Distribution Plant - Meters & meter installations	METERS		•	•	(168,337)		•	•	(168,337)
335.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR		•			•	(51,738)		(51,738)
336.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT	(86)		(382)	(124)	,	(20)	,	(624)
339.4	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT	•				•	'	,	•
303.5	General Plant - Land & land rights	TOTPLT		•	•			•	•	
304.5	General Plant - Structures & improvements	TOTPLT	(124,876)	(24,373)	(113,056)	(36,704)		(5,859)	•	(304,869)
340.5	General Plant - office furniture & equip.	TOTPLT	(187,705)	(36,636)	(169,938)	(55,171)	•	(8,807)	'	(458,257)
341.5	General Plant - Transportation equipment	TOTPLT	(48,337)	(9,434)	(43,762)	(14,207)	•	(2,268)		(118,008)
342.5	General Plant - Stores equipment	TOTPLT	(49)	(10)	(45)	(14)	•	(2)		(120)
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	(48,521)	(9,470)	(43,929)	(14,262)	•	(2,277)	•	(118,459)
344.5	General Plant - Laboratory equipment	TOTPLT	(1,873)	(366)	(1,696)	(220)	'	(88)	'	(4,572)
345.5	General Plant - Power operated equipment	TOTPLT	(3,932)	(767)	(3,559)	(1,156)	•	(184)	'	(9,598)
346.5	General Plant - Communication equipment	TOTPLT	(32,081)	(6,262)	(29,045)	(9,429)	'	(1,505)		(78,322)
347.5	General Plant - Miscellaneous equipment	TOTPLT	(1,259)	(246)	(1,140)	(370)	,	(20)	,	(3,074)
348.5	General Plant - Other tangible plant	TOTPLT TOTPLT	(3,329)	(650)	(3,014)	(619)		(156)	•	(8,128)
ALU		IUIPLI	- (2.047.891)	(480.125)	(1.850.138)	(404.254)		(73.862)		(4.856.270)
					(	(- <u></u> ()				
	TOTAL DEPRECIATION ACCRUAL		(2,047,891)	(480,125)	(1,850,138)	(404,254)	•	(73,862)	•	(4,856,270)
	NET PLANT		4 155 305	730.619	3 765 894	1 419 004	•	217 204	•	10 288 026
			1,	010000		1,710,001	ı		J	>>>>

Page 8 of 25

COM

GBWC\_2024 Rate Case\_Vol. 5, Page 54 of 389

		Det	Detailed ACOS Results by Class - Water	by Class - Wate	-					
						IRR Irrigation				
No.	Account Description	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC CUST_ACC1		FIRE	REV	TOTAL
Accum	Accumulated Reserve for Depreciation									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	(239)	(153)	(403)	(20)		(21)	•	(866)
302.1	Intangible Plant - Franchises	TOTPLT	(148)	(95)	(250)	(31)	ı	(13)	'	(537)
339.1 202 2	Intangible Plant - Other Intangible Plant	USAGE	38,006	'				'		38,006
2000	Source of Suppry & Purnping - Land & land rights		- 111 050	•	•				•	- 117 0501
304.2 206.2	Source of Supply & Pumping - Structures & Improvements Source of Supply & Dumping - Collecting & Impound ros	USAGE	(068,11)				I	ı		(068,71)
2.005	Source of Supply & Furtiprity - Correcting & Introductures. Source of Supply & Dumping - Lake river & other interface		())							
300.2	Source of Supply & Fumping - Lake, Hyel & Other Intakes Source of Supply & Pumping - Wells & sorings	USAGE	- (356 424)							- (356 424)
308.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	-	'	'		,	,	1	-
309.2	Source of Supply & Pumping - Supply mains	USAGE	(111)	'				,		(111)
310.2	Source of Supply & Pumping - Power generation equipment	USAGE	(4,081)	(18,949)	•					(23,030)
311.2	Source of Supply & Pumping - Pumping equipment	USAGE	(10,075)	(46,785)						(56,860)
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	(200)	(3,530)	•					(4,290)
303.3	Water Ireatment - Land & land rights	USAGE		- 440				'		1 404
304.3	Water Lreatment - Structures & Improvements		(808)	(4,440) /75 265)						(5,404)
0.110 0.000	Water Treatment - Pumping equipment		(10,200)	(202,01)	•				•	(91,473)
220.5	Water i reatment - water treatment equipment Weter Treatment - other plant & miss equip		(200'00)	(104,507)						(909,039)
203.0	Water Heatment - Other plant & Misc. equip. Transmission & Distribution Dlant - Land & land rinkts		(643)	(001,1)						(00+,1)
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	(1 481)		(10 759)	(1 330)		(558)		(14 128)
311.4	Transmission & Distribution Plant - Pumping equipment	USAGE	132		959	-	,	-	,	1.091
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	(14,672)	'	(106,604)		ı	'	ı	(121,276)
331.4	Distribution Mains - T&D	USAGE	(81,760)		(594,043)		,			(675,803)
331.4	Transmission Mains - T&D	USAGE	(32,731)	'	(237,815)		,		'	(270,546)
333.4	Transmission & Distribution Plant - Services	METERS	•	•	•	(24,419)				(24,419)
334.4	Transmission & Distribution Plant - Meters & meter installations	METERS	•	•	•	(42,235)				(42,235)
335.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR	•	•	•			(34,080)	•	(34,080)
336.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT	(35)	'	(252)	(31)		(13)		(330)
339.4	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT	•	•	•					
303.5 204 F	General Plant - Land & land rights		-	-	-			- 2000		
340.5	General Flant - Structures & Improvements General Plant - office furniture & equin		(44,224) (66.474)	(42 505)	(111030)	(9,209) (13 842)		(5,802)		(190,041)
341.5	General Plant - Transnortation equipment	TOTPI T	(17,118)	(10.946)	(28,826)	(3.565)	,	(1 494)	'	(61.948)
342.5	General Plant - Stores equipment	TOTPLT	(17)	(11)	(29)	(4)	,	(2)	1	(63)
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	(17,183)	(10,987)	(28,936)	(3,578)		(1,500)		(62, 185)
344.5	General Plant - Laboratory equipment	TOTPLT	(663)	(424)	(1,117)	(138)		(58)		(2,400)
345.5	General Plant - Power operated equipment	TOTPLT	(1,392)	(890)	(2,345)	(290)		(122)	'	(5,039)
346.5	General Plant - Communication equipment	TOTPLT	(11,361)	(7,265)	(19,132)	(2,366)	,	(392)	'	(41,115)
347.5	General Plant - Miscellaneous equipment		(446)	(285)	(751)	(93)		(39)	•	(1,613)
348.5 AD.I	General Plant - Other tangible plant		(1,1/9) -	(754) -	(1,986) -	(246) -		(103)		(4,267)
			(725,242)	(557,035)	(1,218,699)	(101,426)		(48,654)	•	(2,651,055)
	TOTAL DEPRECIATION ACCRUAL		(725,242)	(557,035)	(1,218,699)	(101,426)		(48,654)	ı	(2,651,055)
	NET PLANT		1,471,564	847,655	2,480,620	356,023		143,074	•	5,298,936

#### Page 9 of 25

TOTAL

REV

FIRE

TOTAL MET\_SVC CUST\_ACCT

MAXH

MAXD

BASE

Alloc. Factor

Account Description

°,

Accum	Accumulated Reserve for Depreciation									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	(4,018)	(1,313)	(4,564)	(2,814)	•	(237)	'	(12,944)
302.1	Intangible Plant - Franchises		(2,492)	(814)	(2,831)	(1,745)		(147)	'	(8,029)
- ~	Intanguote Plant - Other Intanguote Plant Source of Supply & Dumping - Land & land rights	USAGE	200,002							700,000
304.2	Source of Supply & Pumping Editor & improvements	USAGE	(289.637)	,	,		,	,	'	(299.637)
	Source of Supply & Pumping - Collecting & impound. res.	USAGE	(115)						'	(115)
2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	` ı	'	'		'		'	` ı
307.2	Source of Supply & Pumping - Wells & springs	USAGE	(5,983,225)		'				'	(5,983,225)
Ņ	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE		'	'		'		'	
309.2	Source of Supply & Pumping - Supply mains	USAGE	(1,871)	•	'		•		'	(1,871)
Ņ	Source of Supply & Pumping - Power generation equipment	USAGE	(68,503)	(162,517)	'		'		'	(231,020)
Ņ	Source of Supply & Pumping - Pumping equipment	USAGE	(169,130)	(401,246)	'		'		'	(570,376)
339.2	Source of Supply & Pumping - Other and Misc Equip	USAGE	(12,762)	(30,276)	'		'		'	(43,037)
303.3	Water Treatment - Land & land rights	USAGE			'		'		'	
304.3	Water Treatment - Structures & improvements	USAGE	(16,074)	(38,134)	•		•		'	(54,208)
e.	Water Treatment - Pumping equipment	USAGE	(272,084)	(645, 498)	•		•		'	(917,582)
ς.	Water Treatment - Water treatment equipment	USAGE	(1,100,076)	(2,609,840)	'		'		'	(3,709,915)
e.	Water Treatment - other plant & misc. equip.	USAGE	(4,188)	(9,936)	'		'		'	(14,124)
4	Transmission & Distribution Plant - Land & land rights	TDPLT			'	•	'	'	'	•
304.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	(24,858)		(121,822)	(75,110)	'	(6,314)	'	(228,103)
4	Transmission & Distribution Plant - Pumping equipment	USAGE	2,215	•	10,855	•	'		•	13,070
330.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	(246,299)	'	(1,207,040)		'		'	(1,453,339)
331.4	Distribution Mains - T&D	USAGE	(1,372,483)	'	(6,726,127)	'	'	•	'	(8,098,609)
331.4	Transmission Mains - T&D	USAGE	(549,451)	•	(2,692,695)		'		'	(3,242,146)
333.4	Transmission & Distribution Plant - Services	METERS	•		'	(1,378,565)	,	•	'	(1,378,565)
334.4	Iransmission & Distribution Plant - Meters & meter installations	MEIEKS	I	•	•	(2,384,360)	•	•	•	(2,384,360)
335.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR				'	'	(385, 874)	'	(385,874)
4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT	(581)		(2,850)	(1,757)	'	(148)	'	(5,336)
4	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT			'		'		'	
303.5	General Plant - Land & land rights	TOTPLT	•	•	•		•		'	•
5	General Plant - Structures & improvements	TOTPLT	(742,376)	(242,520)	(843,205)	(519,883)	•	(43,701)	'	(2,391,686)
2	General Plant - office furniture & equip.	TOTPLT	(1,115,885)	(364,537)	(1,267,444)	(781,450)	•	(62,689)	'	(3,595,005)
5	General Plant - Transportation equipment	TOTPLT	(287,358)	(93,874)	(326,387)	(201,236)	'	(16,916)	'	(925,771)
5	General Plant - Stores equipment	TOTPLT	(262)	(32)	(332)	(205)	'	(17)	'	(941)
5	General Plant - Tools, shop & misc. equip.	TOTPLT	(288,455)	(94,232)	(327,632)	(202,004)	'	(16,980)	'	(929,304)
5	General Plant - Laboratory equipment	TOTPLT	(11,134)	(3,637)	(12,646)	(7,797)	•	(655)	'	(35,869)
345.5	General Plant - Power operated equipment	TOTPLT	(23,373)	(7,635)	(26,547)	(16,368)	'	(1,376)	'	(75,299)
ŝ	General Plant - Communication equipment	TOTPLT	(190,720)	(62,304)	(216,623)	(133,560)	'	(11,227)	'	(614,435)
347.5	General Plant - Miscellaneous equipment	TOTPLT	(7,484)	(2,445)	(8,501)	(5,241)	'	(441)	'	(24,112)
348.5	General Plant - Other tangible plant	TOTPLT	(19,793)	(6,466)	(22,481)	(13,861)		(1,165)	'	(63,766)
ADJ		TOTPLT	-	-	-	-		-		
			(064,411,21)	(610,111,4)	(0,00,000,001)	(0,05,02,00)	•	(10000000)	•	(020,120,10)
	TOTAL DEPRECIATION ACCRUAL		(12,174,498)	(4,777,319)	(13,798,870)	(5,725,955)	•	(550,887)	•	(37,027,528)
	NET PLANT		24.702.857	7.269.776	28.087.140	20,099,109	•	1.619.971	•	81.778.853
			>(->							- > > ( > >

2
-
0
~
<b>~</b>
Ð
8
g
۵.

							RE	t ntial			
No.	Account Description	Alloc. Factor	Amount	BASE	MAXD	МАХН	MET_SVC (	cust_acct	FIRE	REV	TOTAL
Rate Base Adjustments											
`	tions										
2 Cash Working Capital (Sched. G-5)	(Sched. G-5)	OMEXP TOTEL T	966,682 - 20.602	- 445,717 7 200	31,968	121,800 ° 206	83,868 E 711	52,097	6,313	0	741,763
	sts)	TOTPLT	1,225,740	- 285,671	95,990	329,145	226,585		17,059		954,450
	thgs)	TOTPLT	3,918,064	- 913,144	306,831	1,052,109	724,276		54,528		3,050,889
6 Customer Advances for Constr. 7 Other Deferred Credits-Regulatory	or Constr. s-Regulatory	TOTPLT	(2/8,/54) (2,198,743)	- (64,967) - (512,439)	(21,830) (172,188)	(74,853) (590,423)	(51,529) (406,450)		(30,600)		(217,058) (1,712,101)
	me Taxes	TOTPLT	(5,123,276)	- (1,194,031)	(401,214)	(1,375,742)	(947,066)		(71,302)		(3,989,355)
	Construction	TOTPLT	(31,002,884)	- (7,225,536)	(2,427,896)	(8,325,133)	(5,731,057)		(431,473)		(24,141,095)
10 Add back: Accum. Amort UAC 11 Other (Pate Case Amort)	10rt UIAU		- 058,110,21	- 2,939,339 - (201 126)	200, 188 (87, 585)	3,380,054 (231 745)	2,331,387 (150 535)		(110,023		9,820,008 (672)
	(5)		(21,839,379)	(4,869,466)	(1,754,018)	(6,002,259)	(4,131,961)	52,097	(311,084)	0	(17,016,690)
TOTAL RATE BASE ADJ.	ADJ.		. (21,839,379)	- (4,869,466) -	(1,754,018)	(6,002,259)	(4,131,961)	52,097	(311,084)	0	(17,016,690)
TOTAL RATE BASE			59,939,474	- 13,678,453	3,860,421	15,390,529	12,960,628	52,097	922,780	0	46,864,907
EXPENSES											
O & M Expenses											
<b>Operation and Maintenance Expenses</b>	nance Expenses										
	ply	SUPPL_OM	385,750	- 289,637	0	0	0	0	0	0	289,637
	ource of Supply	USAGE	3,134	- 2,353	'	'		1	,	1	2,353
0 VVI - Labor 0 VVT - Chemicale			42,235	- 31,/12							31,712 178 647
-	s WT	USAGE	88,549	- 66,486							66,486
		ThD_OM	1,181,239	- 822,194		39,322	27,134		2,038	'	890,687
		TDPLT	83,122	- 6,801		33,812	23,276		1,752		65,642
	/er	USAGE TDDI T	932,535	- 700,186							700,186
0 T&D - COntract Services 0 T&D - Materials and Supplies - Meters	es upplies - Meters	METERS	' 99				56 -				20 '
-	ts	UNCOLL	95,402		'	'	,	65,617	'	'	65,617
0 CA - Miscellaneous			116,636 - FDF 117		' c	- 204	- 40	105,382	- 707	' C	105,382 386 873
	nin	TOTPLT	2.115.824	- 2/3,133	165.694	568.157	391.122	-	29.446	י כ	1.647.534
	ies	TOTPLT	54,304	- 12,656	4,253	14,582	10,038	ı	756	ı	42,285
0 A&G - Insurance - General Liability	neral Liability		521,502 - 46.226	- 121,541 25.002	40,840	140,038 860	96,403	- 000	7,258	' C	406,080 35 405
		TOTPLT	76,900	- 20,002 - 17,922	6,022	20,650	14,215		1,070	· ·	59,880
	enefits	LABOR	623,983	- 337,482	0	11,605	8,008	120,218	601	0	477,914
0 A&G - Reg Commision Amort	n Amort	TOTPLT TOTPLT	403,976	- 94,151	31,636 2 E01	108,479 12 21E	74,677	'	5,622		314,565
		TOTPLT	23.254	- 5,420	1,821	6 244	0,470		324		30,7 10 18 107
	Expense	TOTPLT	279,152	- 65,059	21,861	74,960	51,603		3,885	1	217,368
	supplies	TOTPLT	38,056	- 8,869	2,980	10,219	7,035		530	'	29,633
0 A&G - Rentals 0 Miscellaneous		OMEXP	- 500,70 - 271.1	- 13,483 - 540	4,531 39	148	10,634	63 -	8 8	' 0	40,049 899
0 Bad Debt Increase		UNCOLL	12,784			1		8,793	1	•	8,793
0 ADJ <b>Sub-total</b>		TOIPLT	(593,173) - <b>7,539,049</b> -	- (138,245) - <b>3,476,102</b>	(46,453) <b>249,319</b>	(159,283) <b>949,908</b>	(109,651) <b>654,078</b>	406,297	(8,255) <b>49,232</b>	' 0	(461,888) <b>5,784,935</b>
TOTAL O & M EXPENSES	VSES		7,539,049	- 3,476,102	249,319	949,908	654,078	406,297	49,232	0	5,784,935

Page 12 of 25

		2			_	MRES Multi-Res	ES Res			
No.	Account Description	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC	CUST_ACCT	FIRE	REV	TOTAL
Rate B	Rate Base Adjustments									
2	Additions and Deductions Cash Working Capital (Sched. G-5)	OMEXP	12.690	439	2.550	6.043	7.853	132	0	29.706
е т	Accum. Deferred Income Taxes Other (Pate Case Costs)	TOTPLT TOTPI T	205 8 133	33 1 318	174 6 800	411 16 325		9 357		832 33 023
- LO U	Other (Oth Deferred Char)		25,998	4,212	22,025	52,183		1,142		105,559
2	Other Deferred Credits-Regulatory	TOTPLT	(14,589)	(2,363)	(12,360)	(29,284)		(641)		(59,237)
۵ م	Accum. Deferred Income Taxes Contributions in Aid of Construction	TOTPLT TOTPLT	(33,995) (205,715)	(5,507) (33,325)	(28,800) (174,279)	(68,235) (412,913)		(1,493) (9,032)		(138,029) (835,265)
10	Add back: Accum. Amort CIAC	TOTPLT	83,685	13,557	70,896	167,973		3,674		339,785
=	Other (Rate Case Amort) Sub-total		(3,720) (138,636)	(326) (24,076)	(125,652) (125,652)	(11,494) (297,701)	- 7,853	(531) (6,512)	0	(584,724)
	TOTAL RATE BASE ADJ.		(138,636)	(24,076)	(125,652)	(297,701)	7,853	(6,512)	0	(584,724)
TOTAL	TOTAL RATE BASE		389,433	52,988	322,186	933,792	7,853	19,318	0	1,725,569
EXPENSES	VSES									
0 & M	O & M Expenses									
	Onerstion and Maintenance Evnences									
0	Operation and maintenance Expenses Labor - Source of Supply	SUPPL OM	8,246	0	0	0	0	0	0	8,246
0	Purchased Water - Source of Supply	USAGE	67	,	ı	'	1	,		67
0 0	WT - Labor WT Chomicals	TREAT_OM	903 F 006							903 F 086
0 0	W 1 - Chennicais WT - Contract Services WT	USAGE	3,000 1.893							0,000 1.893
0	T&D - Labor	ThD_OM	23,408	I	823	1,955	'	43		26,229
0 0	I&U - M&S and Misc T&D - Purchased Dower	IDPLI	194 19.935		- 108	1,677		3/ -		2,615 19.935
0	T&D - Contract Services	TDPLT	-							-
0 0	T&D - Materials and Supplies - Meters	METERS		ı	I	4	- 007 07	ı	•	40 460
0 0	CA - Uncollectible Accts CA - Miscellaneous	UNCULL CUST SERV					18,460 6.821			18,460 6.821
0	A&G - Salaries	LABOR	7,778	0	197	467	14,388	10	0	22,839
0 0	A&G - Mgmt Fees-Admin A&G - Contract Services	TOTPLT TOTPLT	14,039 360	2,274 58	11,894 305	28,180 723		616 16		57,004 1.463
0	A&G - Insurance - General Liability	TOTPLT	3,460	561	2,932	6,946	'	152		14,050
0 0	A&G - Ins Work Comp A&G - Ins Other	LABOR TOTPI T	712 510	0 83	18 432	43 1 024	1,317	- %	0 '	2,090
00	A&G - Pension and Benefits	LABOR	9,608	30	243	577	17,773	13	0	28,214
0 0	A&G - Reg Commision Amort A&G - Telenhone		2,681 304	434 49	2,271 258	5,380 611		118		10,884 1 236
00	A&G - Office Expense	TOTPLT	154	25	131	310		2		627
0	A&G - Miscellaneous Expense	TOTPLT	1,852	300	1,569	3,718		81	•	7,521
50	A&G - Materials and Supplies A&G - Rentals	TOTPLT	253 384	41 62	214 325	507 771		11		1,025 1,559
0 0	Miscellaneous	OMEXP	15	-	ę	7	10	0	0	36
0 0	bad Uebt Increase ADJ A.L.1		- (3,936)	- (638)	- (3,334)	- (7,900)	2,4/4	(173)	' ' C	2,474 (15,981)
	Sub-total		90,900	3,422	19,000	41,120	01, 242	1,031	5	231,012
	TOTAL O & M EXPENSES		98,966	3,422	19,885	47,125	61,242	1,031	0	231,672

25
of
13
ge
Ра

No. Rate Ba 3 4	No. Account Description Rate Base Adjustments Additions and Deductions 2 Case Vorking Capital (Sched. G-5) 3 Accum. Deferred Income Taxes 0 Other (Rate Case Cots)	Alloc. Factor OMEXP TOTPLT TOTPLT	<b>BASE</b> 99,854 1,613 63,999	MAXD 4,160 315 12,491	MAXH 21,441 1,460 57,941	COM Commer Met_svc Cu 6,963 474 18,811	COM Commercial SVC CUST_ACCT 6,963 4,122 474 - 18,811 -	FIRE 1,111 3,003	REV 0	<b>TOTAL</b> 137,652 3,938 156,248
	Other (Cth Deferred Chas) Cuther Deferred Chas) Other Deferred Credits-Regulatory Accum. Deferred Income Taxes Contributions in Aid of Construction datack: Accum. Amort CIAC Other (Rate Case Amort) Sub-total TOTAL RATE BASE ADJ.	ТОТР.Г. ТОТР.Г. ТОТР.Г. ТОТР.Г. ТОТР.Г. ТОТР.Г.	204,573 (14,555) (114,802) (16,818,743) (558,503 (45,061) ( <b>1,090,910</b> ) ( <b>1,090,910</b> )	39,929 (2,841) (22,211) (52,211) (315,947) (315,947) (315,947) (228,254) (228,254)	165,209 (13,177) (103,395) (242,180) (1,465,521) 596,172 (40,795) (1,056,612)	60.128 (4,278) (33,743) (78,624) (78,624) (475,785) 193,549 (13,244) (343,030) (343,030)	4, 122 4, 122 4, 122	9,599 (633) (5,327) (12,552) (75,955) 30,898 (2,114) (54,762) (54,762)		499,437 (280,275) (535,036) (533,066) (553,066) (53,056) (3,951,950) (3,951,950) (3,951,950) (110,010) (110,010) (2,769,446) (2,769,446)
TAL R	TOTAL RATE BASE		3,064,395	502,365	2,709,282	1,075,974	4,122	162,442	0	7,518,581
EXPENSES 0 & M Expe	EXPENSES O & M Expenses									
	Operation and Maintenance Expenses Labor - Source of Supply Purchased Water - Source of Supply	SUPPL_OM USAGE	64,888 527	0 '	0 '	0 '	0 '	0 '	0 '	64,888 527
		TREAT_OM	7,104						I	7,104
	WT - Crienticals WT - Contract Services WT	USAGE	40,022							40,022
	T&D - Labor T&D - M&S and Misc	TDPLT TDPLT	184,197 1,524		6,922 5,952	2,253 1,932		359 308		193,730 9,717
	T&D - Purchased Power T&D - Contract Services	USAGE	156,863 -							156,863
	T&D - Materials and Supplies - Meters CA - Uncollectible Accts	METERS UNCOLL				- 5	- 9,685			5 9,685
	CA - Miscellaneous A&G - Salaries	CUST_SERV LAROR	- 61 204	' c	- 1654	- 538	3,588 7 553	- 98 86	' C	3,588 71 034
	A&G - Mgmt Fees-Admin		110,473	21,562 553	100,016	32,470 833		5,184		269,705 6 022
	A&G - Insurance - General Liability	TOTPLT	27,229	5,315	24,652	8,003		1,278		66,476
	A&G - Ins Work Comp A&G - Ins Other	LABOR TOTPI T	5,601 4 015	0 784	151 3.635	49 1 180	691 -	188 188	0 '	6,501 9 802
	A&G - Pension and Benefits	LABOR	75,606	0	2,043	665	9,331	106	0	87,751
	A&G - Reg Commision Amort A&G - Telephone	TOTPLT	21,093 2.394	4,117 467	19,096 2.168	6,200 704		990 112		5.846 5.846
	A&G - Office Expense	TOTPLT	1,214	237	1,099	357	•	57		2,964
	A&G - Miscellaneous Expense A&G - Materials and Supplies	TOTPLT	14,575 1.987	2,845 388	13,196 1.799	4,284 584		684 93		35,584 4.851
	A&G - Rentals	TOTPLT	3,021	590	2,735	888	• •	142		7,375
	Miscellaneous Bad Debt Increase	OMEXP UNCOLL	121 -	- 2	- 26	∞ '	5 1,298	- ·	0 '	167 1,298
	ADJ <b>Sub-total</b>	ΤΟΤΡLΤ	(30,971) <b>778,754</b>	(6,045) <b>32,444</b>	(28,040) <b>167,218</b>	(9,103) <b>54,301</b>	- 32, 150	(1,453) <b>8,667</b>	' 0	(75,612) <b>1,073,533</b>
	TOTAL O & M EXPENSES		778,754	32,444	167,218	54,301	32,150	8,667	0	1,073,533

	TOTAL		57,561	2,067 82,021	262,179 (18.653)	(147,130)	(342,827) (2,074,574)	843,934	(1,468,519) (1,468,519)	(1,468,519)	3,830,417				22,979	187 2 516	2,310	5,275	70,593	3, 140 55,552	1 .	1 644	845	24,370	141,581 3.634	34,897	2,230 E 116	30,105 30,105	27,032	3,069 1 EEE	18,680	2,547	3,8/1	220	(39,692) <b>448,908</b>	448,908
	REV		0			ı		'	0	0	0				0				ı		,			0		'	0	' 0	ı			ı	' כ	י כ	' 0	0
	FIRE		732	50 1,978	6,323 (450)	(3,548)	(8,268) (50,032)	20,353	(1,393) <b>(36,072)</b>	(36,072)	107,002				0				236 202		,	'		56	3,414 88	842	1 2 1 2	70	652	74	30 450	61	93	- '	(957) <b>5,709</b>	5,709
5	CUST_ACCT		769			ı		'	-	769	769				0			•	·				845	1,415		'	129	- 1.748	ı			ı	· <del>.</del>	220	- 5,998	5,998
IRR Irrigation	MET_SVC CL		1,747	119 4,720	15,086 (1.073)	(8,466)	(19,727) (119,373)	48,561	(3,323) <b>(86,065)</b>	(86,065)	269,958				0				565 1 85	- ' -	۰.	-		135	8,147 209	2,008	12	167	1,555	171	30 1.075	147	223 2	N '	(2,284) <b>13,624</b>	13,624
	MAXH N		14,123	962 38,166	121,998 (8.680)	(68,463)	(159,525) (965,348)	392,703	(26,872) <b>(695,997)</b>	(695,997)	1,784,623				0				4,560	0,342 I	'			1,089	65,881 1 691	16,238	100	1.346	12,579	1,428	8.692	1,185	1,801	<u>-</u> '	(18,470) <b>110,147</b>	110,147
	MAXD		4,827	365 14,492	46,325 (3.296)	(25,997)	(60,574) (366,558)	149,115	(10,204) <b>(264,817)</b>	(264,817)	582,837				0				,					0	25,016 642	6,166	0 000	0	4,776	542	3.301	450	684 6	ים	(7,013) <b>37,642</b>	37,642
	BASE		35,363	571 22,665	72,448 (5.154)	(40,656)	(94,733) (573,263)	233,203	(10,958) (386,336)	(386,336)	1,085,228				22,979	187 2 516	14.174	5,275	65,232 E40	55.552	I			21,675	39,123 1 004	9,643	1,984	26.775	7,470	848	5.162	704	1,0/0	0 '	(10,968) <b>275,789</b>	275,789
i	Alloc. Factor		OMEXP	ΤΟΤΡLΤ ΤΟΤΡLΤ	TOTPLT TOTPLT	TOTPLT	TOTPLT	TOTPLT	IOIPLI						SUPPL_OM	USAGE TRFAT OM	USAGE	USAGE	ThD_OM	USAGE	TDPLT		CUST SERV	LABOR	TOTPLT TOTPLT	TOTPLT	LABOR TOTRI T	LABOR	TOTPLT		TOTPLT	TOTPLT	101PL1 OMEVB		тотргт	
	Account Description	Rate Base Adjustments	Additions and Deductions Cash Working Capital (Sched. G-5)	Accum. Deferred Income Taxes Other (Rate Case Costs)	Other (Oth Deferred Chgs) Customer Advances for Constr.	Other Deferred Credits-Regulatory	Accum. Deferred Income Taxes Contributions in Aid of Construction	Add back: Accum. Amort CIAC	Uther (Rate Case Amort) Sub-total	TOTAL RATE BASE ADJ.	TOTAL RATE BASE	ISES	O & M Expenses	<b>Operation and Maintenance Expenses</b>	Labor - Source of Supply	Purchased Water - Source of Supply WT - Labor	WT - Chemicals	WT - Contract Services WT	T&D - Labor	T&D - IMAS and MISC T&D - Purchased Power	T&D - Contract Services	CA Theorhowith Acoto	CA - Miscellaneous	A&G - Salaries	A&G - Mgmt Fees-Admin A&G - Contract Services	A&G - Insurance - General Liability	A&G - Ins Work Comp	A&G - IIIS OUTET A&G - Pension and Benefits	A&G - Reg Commision Amort	A&G - Telephone	A&G - Onice Expense A&G - Miscellaneous Expense	A&G - Materials and Supplies	A&G - Rentals Miscellancours	Miscellarieous Bad Debt Increase	ADJ Sub-total	TOTAL O & M EXPENSES
	No.	Rate B	7	ω4	e a	7	<b>თ</b> თ	10			TOTAL	EXPENSES	O & M		0	0 0	0	0	0 0	0 0	0	0 0	00	0	0 0	0 0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0	

## GREAT BASIN WATER COMPANY ACOS Study

Page 15 of 25																																			
ũ	TOTAL	966,682	30,893	3,918,064	(278,754)	(2,198,743)	(5,123,276)	12.611.935	(21,839,379)	(21,839,379)	59,939,474	385,750	3,134	42,235	231,929 88 540	1.181.239	83,122	932,535	- 99	95,402	116,636	505,117	2,115,824 5.4 30.4	521.502	46,226	76,900	623,983 402 076	403,970	23,254	279,152	38,056	57,853 1.172	12,784	(593,173)	1,039,049
	REV	0		, 1		•			' 0	0	0	0	•					1		'	•	0			0		0		,	'	'	' c	'	' (	5
	FIRE	8,288	702 207	71,592	(5,093)	(40,176)	(93,614)	(300,492) 230.448	(15,769) ( <b>408,430</b> )	(408,430)	1.211.541	0	•			2.676	2,301	I		'	1	639	38,001 002	9.529	58	1,405	2 280 7 280	7,302 838	425	5,101	695	1,057 10	'	(10,839)	04,037
	NL EUST_ACCT	64,841		<i>i</i> 1		•			- 64,841	64,841	64.841	0	•	•				1		95,402	116,636	120,673			11,043		149,070		,	'		- 79	12,784	- 100	100'000
	TOTAL MET_SVC CUST_ACCT	98,620	01/10 266 440	851,674	(60,593)	(477,943)	(1,113,652)	2.741.469	(187,596) ( <b>4,858,756</b> )	(4,858,756)	15.240.353	0	•			31.907	27,370		- 66			7,623	459,919	113,360	698	16,716	9,416 67 812	010,10 9,96,9	5,055	60,680	8,272	12,576 120		(128,939)	103,128
	НХМ	159,915	10,691	1,381,340	(98,277)	(775,182)	(1,806,246)	4.446.425	(304,265) (7,880,519)	(7,880,519)	20.206.621	0	•			51.626	44,392	•			1	12,334	10145	183.859	1,129	27,112	15,236	16,168	8,198	98,417	13,417	20,397 194	'	(209,127)	1,241,139
COMPANY / edule 6 / Class - Water	MAXD	41,394	3,133 124 201	397,296	(28,266)	(222,955)	(519,506)	1.278.864	(87,511) (87,511) (2,271,165)	(2,271,165)	4.998.611	0	•				•					0 1 1 1 0	Z14,047	52.881	0	7,798	0	40,304	2,358	28,306	3,859	5,866 50		(60,148)	322,821
GREAT BASIN WATER COMPANY GREAT BASIN WATER COMPANY ACOS Study BR-2, Schedule 6 Detailed ACOS Results by Class - Water	BASE	593,624	380.468	300,400 1,216,162	(86,525)	(682,487)	(1,590,259)	3.914.729	(267,881) (267,881) (6,485,349)	(6,485,349)	18.217.508	385,750	3,134	42,235	231,929 88 540	1.095.030	9,058	932,535				363,849	000,/49 16 866	161.874	33,298	23,870	449,471	14 235	7,218	86,649	11,812	17,958 720		(184,120)	4,029,011
G Deta	Alloc. Factor	OMEXP		TOTPLT	ΤΟΤΡLΤ	TOTPLT		TOTPLT	TOTPLT			SUPPL_OM	USAGE	TREAT_OM		ThD OM	TDPLT		METERS	NCOLL	CUST_SERV	LABOR		TOTPLT	LABOR	TOTPLT			TOTPLT	TOTPLT	TOTPLT	TOTPLT OMEXP	UNCOLL	TOTPLT	

& M Expenses								
<b>Operation and Maintenance Expenses</b>								
Labor - Source of Supply	SUPPL_OM	385,750	0	0	0	0	0	0
Purchased Water - Source of Supply	USAGE	3,134	•	•	•	•		
WT - Labor	TREAT_OM	42,235	•	•	•	•		
WT - Chemicals	USAGE	237,929	•	•				
WT - Contract Services WT	USAGE	88,549	•	•				
T&D - Labor	ThD_OM	1,095,030	•	51,626	31,907	'	2,676	
T&D - M&S and Misc	TDPLT	9,058	•	44,392	27,370	•	2,301	
T&D - Purchased Power	USAGE	932,535	•	•		•	•	
T&D - Contract Services	TDPLT	•	•	•	'			
T&D - Materials and Supplies - Meters	METERS		•	•	66			
CA - Uncollectible Accts	UNCOLL					95,402		
CA - Miscellaneous	CUST SERV		•	•	'	116,636		
A&G - Salaries	LABOR	363,849	0	12,334	7,623	120,673	639	0
A&G - Mgmt Fees-Admin	TOTPLT	656,749	214,547	745,949	459,919		38,661	
A&G - Contract Services	TOTPLT	16,856	5,507	19,145	11,804	'	992	
A&G - Insurance - General Liability	TOTPLT	161,874	52,881	183,859	113,360	•	9,529	
A&G - Ins Work Comp	LABOR	33,298	0	1,129	698	11,043	58	0
A&G - Ins Other	TOTPLT	23,870	7,798	27,112	16,716	'	1,405	
A&G - Pension and Benefits	LABOR	449,471	0	15,236	9,416	149,070	290	0
A&G - Reg Commision Amort	TOTPLT	125,394	40,964	142,424	87,813	'	7,382	
A&G - Telephone	TOTPLT	14,235	4,650	16,168	9,969	'	838	
A&G - Office Expense	TOTPLT	7,218	2,358	8,198	5,055	•	425	
A&G - Miscellaneous Expense	TOTPLT	86,649	28,306	98,417	60,680	'	5,101	
A&G - Materials and Supplies	TOTPLT	11,812	3,859	13,417	8,272	'	695	
A&G - Rentals	TOTPLT	17,958	5,866	20,397	12,576	'	1,057	
Miscellaneous	OMEXP	720	50	194	120	29	10	0
Bad Debt Increase	UNCOLL	•	•	•	•	12,784		
ADJ	TOTPLT	(184,120)	(60,148)	(209,127)	(128,939)	'	(10,839)	
Sub-total		4,629,611	322,827	1,247,159	769,128	505,687	64,637	0
TOTAL O & M EXPENSES		4,629,611	322,827	1,247,159	769,128	505,687	64,637	0

7,539,049

Account Description

### Rate Base Adjustments

ŝ

Additions and Deductions	Cash Working Capital (Sched. G-5)	Accum. Deferred Income Taxes	Other (Rate Case Costs)	Other (Oth Deferred Chgs)	Customer Advances for Constr.
	2	<i>с</i>	4	ю	6

TOTAL RATE BASE ADJ.

TOTAL RATE BASE EXPENSES

ŝ
2
-
•
ø
~
Ð
B
a
Δ.

							RES Residential	ntial			
No.	Account Description	Alloc. Factor	Amount	- BASE	MAXD	МАХН	MET_SVC (	CUST_ACCT	FIRE	REV	TOTAL
Labor I	Labor Expenses										
0	Labor Expenses Supply & Pumping	SUPPL_OM	385,750	- - 289,637	0	0	0	0	0	0	289,637
0 0	Treatment	TREAT_OM	42,235	- 31,712		' 000 000			' 000	•	31,712
þ	Distribution & Iransmission Sub-total		1,161,239 <b>2,114,341</b>	- 022,194 - <b>1,143,542</b>	' 0	<b>39,322</b>	27,134	407,354	2,038	0	6390,000/ 1,619,390
	TOTAL LABOR EXPENSES		2,114,341	- - 1,143,542	0	39,322	27,134	407,354	2,038	0	1,619,390
Deprec	Depreciation Expense										
	Plant										
301.1	Intangible Plant - Organization	TOTPLT TOTPLT	5,436	- 1,267	426	1,460	1,005	'	76	•	4,233
339.1 339.1	intangible Plant - Franchises Intangible Plant - Other Intangible Plant	USAGE	(1,324) (2.294)	- (308) - (1.722)	(104) -	(GGE) -	- -		- -		(1,031) (1.722)
304.2	Source of Supply & Pumping - Land & land rights	USAGE	(55)	- (41)	'	'	'	'	'	'	(41)
305.2	Source of Supply & Pumping - Structures & improvements	USAGE	11		'	'	'	'	'	ı	8
307.2	Source of Supply & Pumping - Collecting & Impound. res. Source of Supply & Pumping - Lake river & other intakes	USAGE	- 454 443	- 341215							341 215
308.2	Source of Supply & Pumping - Wells & springs	USAGE	-							'	
309.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	(32,906)	- (24,707)						'	(24,707)
310.2	Source of Supply & Pumping - Supply mains	USAGE	49,720	- 37,332		'	'				37,332
2.115	Source of Supply & Pumping - Power generation equipment	USAGE	83,177	- 18,519	45,189		'			'	63,708
304.3	Source of Suppry & Furiphing - Furiphing equipment Water Treatment - Land & land rights	USAGE	10.940	- 2.436	5.943						- 8.379
311.3	Water Treatment - Structures & improvements	USAGE	69,613	- 15,499	37,820		'			'	53,319
320.3	Water Treatment - Pumping equipment	USAGE	255,709	- 56,931	138,925		'		•	'	195,857
339.3	Water Treatment - Water treatment equipment	USAGE	1,469	- 327	798	•		•	•		1,125
304.4	water rreatment - otner plant & misc. equip. Transmission & Distribution Plant - Land & land richts	TDPLT	4.221	- 345		- 1.717	1.182		- 68		3.334
311.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	21,713	- 1,777	'	8,832	6,080	,	458	,	17,147
330.4	Transmission & Distribution Plant - Pumping equipment	USAGE	85,268	- 10,850	'	53,939		'	'	,	64,789
331.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	648,267	- 82,489	'	410,080	'	'	'	,	492,569
333.4	Uistribution Mains - 1&D Transmission Mains - 1&D	USAGE	249,617 00 030	- 31,/63		157,903 63 214					189,665 75 020
334.4	Transmission & Distribution Plant - Services	METERS	365,111				310,496				310,496
335.4	Transmission & Distribution Plant - Meters & meter installations	METERS	29,853			'	25,388				25,388
336.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR	1,384		'	'	'		1,054	,	1,054
339.4	Iransmission & Distribution Plant - backflow prevention devices Transmission & Distribution Plant - other plant & misc - equin	TUPL I TUPI T									
303.5	General Plant - Land & land rights	TOTPLT								'	
304.5	General Plant - Structures & improvements	TOTPLT	(205,984)	- (48,007)	(16,131)	(55,312)	(38,077)	'	(2,867)	,	(160,394)
340.5	General Plant - office furniture & equip.	TOTPLT	20,361	- 4,745	1,595	5,468	3,764		283	'	15,855
341.5	General Plant - Transportation equipment General Diant - Stores equipment	TOTPLT	222,283	- 51,805 - 31	11,407	59,689 36	41,090 25		3,094		1/3,086
343.5	General Plant - Tools, shop & misc, equip.	TOTPLT	58.956	- 13.740	4.617	15.831	10.898		821		45.908
344.5	General Plant - Laboratory equipment	TOTPLT	5,349	- 1,247	419	1,436	686	,	74	'	4,165
345.5	General Plant - Power operated equipment	TOTPLT	17,738	- 4,134	1,389	4,763	3,279	'	247	ı	13,812
346.5	General Plant - Communication equipment	TOTPLT	169,084	- 39,407	13,241	45,404	31,256 254		2,353		131,661
348.5 348.5	General Plant - Miscellaneous equipment General Plant - Other tangible plant	TOTPLT	3,330 (283,843)	- 023 - (66,152)	22,228)	930 (76,220)	634 (52,470)		49 (3,950)		(221,021)
ADJ	· · · ·	TOTPLT	533,697	- 124,384	41,795	143,312	98,657		7,428		415,575
	Sub-total		2,340,010		1,330	042,141	443,971		9,191	•	700'817'7
	TOTAL DEPRECIATION EXPENSES		2,940,618	- 712,852	271,390	842,147	443,971		9,191	•	2,279,552

TOTAL
REV TI

MRES Multi-Res

No.	Account Description	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC CI	CUST_ACCT	FIRE	REV	TOTAL
Labor E	Labor Expenses									
0	Labor Expenses Supply & Pumping	SUPPL OM	8,246	0	0	0	0	0	0	8,246
0	Treatment	TREAT_OM	903	•				' :	•	903
0	Distribution & Transmission <i>Sub-total</i>	MO_OM	23,408 <b>32,557</b>	' 0	823 <b>823</b>	1,955 <b>1,955</b>	- 60,224	43 <b>43</b>	- 0	26,229 <b>95,602</b>
	TOTAL LABOR EXPENSES		32,557	0	823	1,955	60,224	43	0	95,602
Depreci	Depreciation Expense									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	36	9	31	72		2	,	146
302.1	Intangible Plant - Franchises	TOTPLT	(6)	(1)	(2)	(18)		(0)		(36)
339.1 204 2	Intangible Plant - Other Intangible Plant Source of Sumbly & Dumping - I and & land rights	USAGE	(49)							(49)
305.2	Source of Supply & Pumping - Structures & improvements	USAGE	0							0
306.2	Source of Supply & Pumping - Collecting & impound. res.	USAGE			'		'			
307.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	9,715	•					•	9,715
308.2	Source of Supply & Pumping - Wells & springs	USAGE	•						•	•
309.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	(703)		•	•	•	•		(703)
510.2 011 0	Source of Supply & Pumping - Supply mains		1,003	- 009						1,003
303.3	Source of Supply & Fumping - Fowel generation equipment Source of Supply & Primping - Primping equipment	USAGE		- 120						1,140
304.3	Source of Suppry & Furthing Er uniping equipment Water Treatment - Land & land rights	USAGE	- 69	82						151
311.3	Water Treatment - Structures & improvements	USAGE	441	519	,	,	,	,		096
320.3	Water Treatment - Pumping equipment	USAGE	1,621	1,907	'		'			3,528
339.3	Water Treatment - Water treatment equipment	USAGE	6	11			•			20
303.4	Water Treatment - other plant & misc. equip.	USAGE	• •	•	' :	' :	•	• •		'
304.4	Transmission & Distribution Plant - Land & land rights		19		36	85	•	CN Q		133
311.4	Transmission & Distribution Plant - Structures & Improvements		10		180	438	'	01		083
331.4	Transmission & Distribution Plant - Pumping equipment Transmission & Distribution Plant - Distribures & standnines	USAGE	209		1,129 8.585					1,430
333.4	Distribution Mains - T&D	USAGE	904 904		3,306					4 210
333.4	Transmission Mains - T&D	USAGE	362		1.323					1.685
334.4	Transmission & Distribution Plant - Services	METERS			'	22,371	,	,		22,371
335.4	Transmission & Distribution Plant - Meters & meter installations	METERS			'	1,829	'			1,829
336.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR	•	•	•		•	22	•	22
339.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT			,	,	•	,		
303.5	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT	•		•	•	•		•	
303.5	General Plant - Land & land rights			- 100	- 10 17			- 000		
304.5 240.5	General Plant - Structures & Improvements		(1,367)	(172)	(1,158)	(2,743)	'	(09) e		()66,6) 0,73
3 11 0	Ceneral Plant Transportation activity		374 4	77	1 14	1 17	•	22	•	049 F 000
342 5	General Flant - Stores equipment		0 <del>1</del>	607	1,100	2,300		3 0		0,203 A
242.5	Ceneral Plant - Crole story & micr.	TOTPLT	301	63	331	785		5 ¢		1 588
344.5	General Plant - Laboratory equipment	TOTPLT	35	9	30	71		2		144
345.5	General Plant - Power operated equipment	TOTPLT	118	19	100	236		2		478
346.5	General Plant - Communication equipment	TOTPLT	1,122	182	950	2,252	'	49		4,555
347.5	General Plant - Miscellaneous equipment	TOTPLT	23	4	20	47	•	-	'	95
348.5	General Plant - Other tangible plant	TOTPLT	(1,883)	(305)	(1,596)	(3,780)	'	(83)		(7,647)
ADJ		TOTPLT	3,541	574 2 775	3,000	7,108	•	155		14,379
	2012-10141		20,230	6716	000'11	106'10	•	132	•	000101
	TOTAL DEPRECIATION EXPENSES		20,295	3,725	17,630	31,987	•	192	•	73,830

ŝ
2
5
õ
~
đ
ŝ
a
۵.

						COM Commercial	cial			
No.	Account Description	Alloc. Factor	BASE	MAXD	МАХН	MET_SVC CI	CUST_ACCT	FIRE	REV	TOTAL
Labor E	Labor Expenses									
0 0	Labor Expenses Supply & Pumping	SUPPLOM	64,888	0	0	0	0	0	0	64,888
00	rreatment Distribution & Transmission <b>Sub-total</b>	ThD_OM	7,104 184,197 <b>256,189</b>	0	- 6,922 <b>6,922</b>	- 2,253 <b>2,253</b>	- - 31,617	- 359 <b>359</b>	0	7,104 193,730 <b>297,339</b>
	TOTAL LABOR EXPENSES		256,189	0	6,922	2,253	31,617	359	0	297,339
Deprec	Depreciation Expense									
	Plant									
301.1 302 1	Intangible Plant - Organization Intancible Plant - Franchises	ΤΟΤΡLΤ ΤΟΤΡΙ Τ	284 (69)	55 (13)	257 (63)	83 (20)		13		693 (169)
339.1	Intangible Plant - Other Intangible Plant	USAGE	(386)	-	(m)			2 '	'	(386)
304.2	Source of Supply & Pumping - Land & land rights	USAGE	(6)	ı	'	'	ı	'	1	(6) (6)
305.2	Source of Supply & Pumping - Structures & improvements Source of Supply & Pumping - Collecting & impound res	USAGE								' N
307.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	76,443		'		ı		1	76,443
308.2	Source of Supply & Pumping - Wells & springs	USAGE	- i ci i i		'			'		' i c i
309.2	Source of Supply & Pumping - Infiltr. galleries & tunnels Source of Supply & Dumping - Supply mains	USAGE	(5,535) 8 363				1			(5,535) 8 363
311.2	Source of Supply & Pumping - Power generation equipment	USAGE	4,149	5,881						10,029
303.3	Source of Supply & Pumping - Pumping equipment	USAGE			,	,	,	'	'	
304.3	Water Treatment - Land & land rights	USAGE	546	773	'	'	ı	'		1,319
311.3 320.3	Water Treatment - Structures & improvements Water Treatment - Primoing equinment	USAGE	3,472	4,922 18.079						8,394 30,833
339.3	Water Treatment - Water treatment equipment	USAGE	73	104						177
303.4	Water Treatment - other plant & misc. equip.	USAGE	'			• ;	•	1		•
304.4	Transmission & Distribution Plant - Land & land rights		77		302	98 FOF		16	•	493 7 5 2 8
311.4 330.4	Transmission & Distribution Plant - Suudules & Improvements Transmission & Distribution Plant - Pumping equipment	USAGE	2.431		9,495	-		- '		2,330 11.926
331.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	18,480	'	72,189	'	'		'	90,669
333.4	Distribution Mains - T&D	USAGE	7,116		27,796		1	'	'	34,912
333.4 334 4	Iransmission Mains - I&U Tranemission & Distribution Plant - Services	USAGE METERS	2,849		11,128	- 25 777				13,977
335.4	Transmission & Distribution Plant - Meters & meter installations	METERS				2,108				2,108
336.4	Transmission & Distribution Plant - Hydrants	PF_MAX_HOUR	•		'	•	'	185		185
339.4 202 F	Transmission & Distribution Plant - Backflow prevention devices							'	'	
303.5	General Plant - Land & land rights	TOTPLT								
304.5	General Plant - Structures & improvements	TOTPLT	(10,755)	(2,099)	(9,737)	(3,161)		(202)	'	(26,257)
340.5	General Plant - office furniture & equip.	TOTPLT	1,063	207	962	312		50	'	2,595
341.5	General Plant - Transportation equipment General Plant - Stores equipment		2 2	602,2 1	70¢,01	3,411 2		040 C		28,335 17
343.5	General Plant - Tools, shop & misc. equip.	TOTPLT	3,078	601	2,787	905		, 41	'	7,515
344.5	General Plant - Laboratory equipment	TOTPLT	279	55	253	82		13	'	682
345.5 346 5	General Plant - Power operated equipment General Plant - Communication equipment	ТОТРLТ ТОТРІ Т	926 8 878	181 1 723	838 7 993	272 2 595		43		2,261 21 553
347.5	General Flant - Communication equipment General Plant - Miscellaneous equipment	TOTPLT	0,020	36	167	54		<u>†</u> თ		451
348.5	General Plant - Other tangible plant	TOTPLT	(14,820)	(2,893)	(13,417)	(4,356)		(695)		(36,182)
AUA	- Sub-total	IOIPLI	21,500 159,701	35,317	<b>148,248</b>	8,190 <b>36,858</b>		1,308 <b>1,618</b>		98,031 <b>381,741</b>
	TOTAL DEPRECIATION EXPENSES		159,701	35,317	148,248	36,858		1,618		381,741

25
J.
919
age
-

						IRR Irrigation	ç			
No.	Account Description	Alloc. Factor	BASE	MAXD	MAXH	MET_SVC CU	CUST_ACCT	FIRE	REV	TOTAL
Labor	Labor Expenses									
00	Labor Expenses Supply & Pumping Treatment	SUPPL_OM TREAT_OM	22,979 2.516	0 '	0 '	0 '	0 '	0 '	0 '	22,979 2516
00	Distribution & Transmission Sub-total	ThD_OM	65,232 90, <b>727</b>	- 0	4,560 <b>4,560</b>	565 <b>565</b>	5,921	236 <b>236</b>	' 0	70,593 70,593 <b>102,009</b>
	TOTAL LABOR EXPENSES		90,727	0	4,560	565	5,921	236	0	102,009
Depre	Depreciation Expense									
	Plant									
301.1	Intangible Plant - Organization	TOTPLT	101	64	169	21		6	'	364
339.1	Intangible Plant - Francinses Intangible Plant - Other Intangible Plant	USAGE	(137)	-	(+ -)	(c) -		(7)		(137)
304.2	Source of Supply & Pumping - Land & land rights	USAGE	(3)	'	'		,	'	'	(3)
305.2 206.2	Source of Supply & Pumping - Structures & improvements	USAGE	~		'					~
300.2	source of supply & Furiping - Collecting & Infpound. Tes. Source of Supply & Pumping - Lake, river & other intakes	USAGE	27.071							27.071
308.2	Source of Supply & Pumping - Wells & springs	USAGE			'			'		
309.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	(1,960)	'	'		•	'	•	(1,960)
310.2	Source of Supply & Pumping - Supply mains	USAGE	2,962	' CCO 0	'		ı	1	1	2,962
303.3	Source of Supply & Pumping - Power generation equipment Source of Supply & Pumping - Pumping equipment	USAGE	- ,409	0,823						0, 292 -
304.3	Water Treatment - Land & land rights	USAGE	193	897				'		1,091
311.3	Water Treatment - Structures & improvements	USAGE	1,230	5,710	ı	,	ı	ı	ı	6,940
320.3	Water Treatment - Pumping equipment	USAGE	4,517 26	20,975						25,491 116
303.4	water Treatment - water rieaunen equipment Water Treatment - other plant & misc. equipment	USAGE	07							e '
304.4	Transmission & Distribution Plant - Land & land rights	TDPLT	27	'	199	25	ı	10	ı	261
311.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	141		1,024	127	•	53	•	1,345
330.4 331 4	Transmission & Distribution Plant - Pumping equipment Transmission & Distribution Plant - Distrib ras & standnings	USAGE	861 6 545		6,255 47 551					7,115 54 096
333.4	Distribution Mains - T&D	USAGE	2,520		18,310					20,830
333.4	Transmission Mains - T&D	USAGE	1,009	'	7,330		'	'	'	8,339
334.4	Transmission & Distribution Plant - Services	METERS			'	6,467		'	•	6,467
336.4	i ransmission & Distribution Plant - Meters & meter installations Transmission & Distribution Plant - Hvdrants	PF MAX HOUR				-		- 122		670
339.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT		'	'		,	1	1	
303.5	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT			'		•			
303.5	General Plant - Land & land rights General Plant - Structures & improvements		- (3 800)	-	- (6.414)	-		-		-
340.5	General Plant - office furniture & equip.	TOTPLT	376	241	634	78	,	33	'	1,362
341.5	General Plant - Transportation equipment	TOTPLT	4,110	2,628	6,921	856		359	•	14,874
342.5 343 5	General Plant - Stores equipment General Plant - Tools shop & misc equip		1 000	2 697	1 R36	1 227		0 y		3 045
344.5	General Plant - Laboratory equipment	TOTPLT	66 -	63	167	21		ຼຸດ		358
345.5	General Plant - Power operated equipment	ΤΟΤΡLΤ	328	210	552	68	'	29	'	1,187
346.5 247 F	General Plant - Communication equipment	TOTPLT	3,126 65	1,999	5,265	651 11		273 6		11,314
348.5 348.5	General Flant - Miscellarieus equipriterit General Plant - Other tangible plant	TOTPLT	03 (5,248)	42 (3,356)	(8,838)	14 (1,093)		о (458)		237 (18,993)
ADJ	- Sub-fotal	ΤΟΤΡLΤ	9,868 56 557	6,310 <b>40 974</b>	16,618 97.652	2,055 9 248		861 1 066	• •	35,713 205 496
					1005			2000		000
	TOTAL DEPRECIATION EXPENSES		56,557	40,974	97,652	9,248	•	1,066	•	205,496

No.	Account Description	Alloc. Factor	BASE	MAXD	НХМ	TOTAL MET_SVC CU	TAL CUST_ACCT	FIRE	REV	TOTAL
Labor	Labor Expenses									
000	Labor Expenses Supply & Pumping Treatment Distribution & Transmission Sub-total	SUPPL_OM TREAT_OM TnD_OM	385,750 42,235 1,095,030 <b>1,523,015</b>	0 ' ' <b>0</b>	0 51,626 <b>51,626</b>	0 - 31,907	0 - <b>505,117</b>	0 - 2,676	0 ' ' <b>0</b>	385,750 42,235 1,181,239 <b>2,114,341</b>
	TOTAL LABOR EXPENSES		1,523,015	0	51,626	31,907	505,117	2,676	0	2,114,341
Deprec	Depreciation Expense									
	Plant									
301.1	Intangible Plant - Organization	ΤΟΤΡLΤ	1,687	551	1,917	1,182		66	'	5,436
302.1	Intangible Plant - Franchises	TOTPLT	(411)	(134)	(467)	(288)		(24)	'	(1,324)
339.1	Intangible Plant - Other Intangible Plant	USAGE	(2,294)	•	•			'	'	(2,294)
304.2	Source of Supply & Pumping - Land & land rights Source of Supply & Dumping - Structures & improvements		(00)							(00)
306.2	Source of Supply & Furthing - Subcures & improvements Source of Supply & Pumping - Collecting & impound res.	USAGE	- '							: '
307.2	Source of Supply & Pumping - Lake, river & other intakes	USAGE	454,443							454,443
308.2	Source of Supply & Pumping - Wells & springs	USAGE			'			'	'	
309.2	Source of Supply & Pumping - Infiltr. galleries & tunnels	USAGE	(32,906)		'	'	'	'	'	(32,906)
310.2	Source of Supply & Pumping - Supply mains	USAGE	49,720		'			'	'	49,720
311.2	Source of Supply & Pumping - Power generation equipment	USAGE	24,664	58,513			•			83,177
5.005 5.005	Source of Supply & Pumping - Pumping equipment Water Tractment I and Pland rights		-	- 7 606	•	•	•	•	•	- 010 01
311.3	Water Treatment - Eanu & ianu rigins Water Treatment - Structures & improvements	USAGE	20.642	48.971	• •			• •	• •	69,613
320.3	Water Treatment - Pumping equipment	USAGE	75.824	179.885						255,709
339.3	Water Treatment - Water treatment equipment	USAGE	436	1,033	'			'	'	1,469
303.4	Water Treatment - other plant & misc. equip.	USAGE		•	'			'	'	
304.4	Transmission & Distribution Plant - Land & land rights	TDPLT	460	•	2,255	1,390	•	117	'	4,221
311.4	Transmission & Distribution Plant - Structures & improvements	TDPLT	2,366		11,596	7,150		601	'	21,713
330.4	Transmission & Distribution Plant - Pumping equipment	USAGE	14,451		70,818			'	'	85,268
331.4	Transmission & Distribution Plant - Distrib. res. & standpipes	USAGE	109,863		538,404			•	'	648,267
333.4	Distribution Mains - 1&U	USAGE	42,303		207,314					249,617
334.4	Transmission Mains - Tou Transmission & Distribution Plant - Services	METERS			- 20	- 365 111				39,330 365 111
335.4	Transmission & Distribution Plant - Centres Transmission & Distribution Plant - Meters & meter installations	METERS				29,853				29,453
336.4	Transmission & Distribution Plant - Hvdrants	PF MAX HOUR				-		1.384		1.384
339.4	Transmission & Distribution Plant - Backflow prevention devices	TDPLT -		'	'					
303.5	Transmission & Distribution Plant - other plant & misc. equip.	TDPLT		'	'	'	'	'	'	'
303.5	General Plant - Land & land rights	TOTPLT		•	•		•	'	'	
304.5	General Plant - Structures & improvements	TOTPLT	(63,937)	(20,887)	(72,621)	(44,775)	•	(3,764)	'	(205,984)
C.045	General Plant - Office Turniture & equip.		0,32U 60.006	500'Z	70,260	4,420		3/2		20,301
347.5	General Flant - Hansportation equipment General Plant - Stores equipment	TOTPLT	00,990 47	22,340	000C,01 47	010,04		4,002		135
343.5	General Plant - Troils shop & misc equin	TOTPLT	18.300	5.978	20.786	12 815		1 077		58 956
344.5	General Plant - Laboratory equipment	TOTPLT	1.660	542	1.886	1.163		98		5,349
345.5	General Plant - Power operated equipment	TOTPLT	5,506	1.799	6.254	3,856		324		17.738
346.5	General Plant - Communication equipment	TOTPLT	52,483	17,145	59,612	36,754		3,090	'	169,084
347.5	General Plant - Miscellaneous equipment	TOTPLT	1,098	359	1,247	769	'	65	'	3,538
348.5	General Plant - Other tangible plant	TOTPLT	(88,104)	(28,782)	(100,071)	(61,699)	•	(5,186)	'	(283,843)
ADJ	- Sub-total	IOIPLI	165,659 <b>949.405</b>	54,117 <b>351.405</b>	188,159 <b>1.105.676</b>	116,010 <b>522.064</b>	•••	9,752 <b>12.068</b>	•••	533,697 <b>2.940.618</b>
	TOTAL DEPRECIATION EXPENSES		949,405	351,405	1,105,676	522,064	•	12,068	•	2,940,618

	TOTAL	857	14,223	562,346	562,346		544,023	544,023		10,948,044	85,291	86,004	57,271	17,906	85,291	11,279,807	11,279,807			
	REV	0	0	0	0		0	0		10,948,044	85,291	86,004	57,271	17,906	85,291	11,279,807	11,279,807			
	FIRE	<del></del>	18	7,240	7,240		10,712	10,712		'	•		•	'		•				
	ential cust_acct	216	3,578	42,557	42,557		605	605		'	•		•			•				
RES	Residential MET_SVC CUS1	14	238	96,172	96,172		150,451	150,451		'	•		•			•				
	МАХН	21	345	139,693	139,693		178,658	178,658		'	•	•			•	•	•			
	MAXD	0	0	39,541	39,541		44,813	44,813		'	•		•			•	•			
	BASE	605	10,044	237,143	237,143		158,784	158,784	'		•		•		•	•			0	
	Amount -	1.119 	18,571 -	725,807	725,807 -		695,796 -	- 695,796		14,443,063 -	112,519 -	113,460 -	75,554 -	23,622 -	112,519 -	14,880,737 -	- 14,880,737	•	- END	
	Alloc. Factor	LABOR	LABOR				RTBASE			SALES	SALES	SALES	SALES	SALES	SALES	ł				
	Account Description	Taxes Other Than Income Taxes TOTT Federal Unemployment Tax	State Unemployment Tax	Sub-total	TOTAL TAXES OTHER THAN INCOME TAX	Taxes	Income Taxes	TOTAL	ng Revenues	REV Annualize Water Sales (excl. Transmission Irrigation)	Transmission Irrigation Revenue - Current	Miscellaneous Revenue	Late Fees	Other Revenues	Transmission Irrigation Revenue - Increase	Sub-total	TOTAL			
	No.	<b>Тахеs С</b> топ	тот			Income Taxes	Тах		Operati	REV	REV	REV	REV	REV	REV					

	ater
t-2, Schedule 6	sults by Class - V

Page 22 of 25		

	TOTAL		51	840	23,591	23,591		20,031	20,031			436,838	3,403	3,432	2,285	714	3,403	450,075	450,075	
	REV		0	0	0	0		0	0			436,838	3,403	3,432	2,285	714	3,403	450,075	450,075	
	FIRE		0	0	152	152		224	224			,					'		•	
S čes	cust_acct		32	529	6, 292	6,292		91	91			'	•				'		•	
MRES Multi-Res	MET_SVC C		-	17	6,929	6,929		10,840	10,840			'					'		•	
	махн		0	7	2,924	2,924		3,740	3,740										•	
	MAXD		0	0	543	543		615	615									•	•	
	BASE		17	286	6,752	6,752		4,521	4,521									•		
	Alloc. Factor		LABOR	LABOR				RTBASE				SALES	SALES	SALES	SALES	SALES	SALES	2		
	Account Description	Taxes Other Than Income Taxes	Federal Unemployment Tax	State Unemployment Tax	Sub-total	TOTAL TAXES OTHER THAN INCOME TAX	Taxes	Income Taxes	TOTAL	1	Operating Revenues	Annualize Water Sales (excl. Transmission Irrigation)	Transmission Irrigation Revenue - Current	Miscellaneous Revenue	Late Fees	Other Revenues	Transmission Irrigation Revenue - Increase	Sub-total	TOTAL	
	No.	Taxes Of	TOTI	TOTI			Income Taxes	Тах		;	Operatin	REV	REV	REV	REV	REV	REV			

## GREAT BASIN WATER COMPANY A BR-2, Schedule 6

Page 23 of 25

Detailed

Alloc. Factor

Account Description

. No

			TOTAL	157	2,612	05 476
			REV	0	0	c
			FIRE	0	e	1 274
	-	rcial	:UST_ACCT	17	278	3 303
	COM	Commercial	MET_SVC CUST_ACCT	-	20	7 084
			МАХН	4	61	24 501
Class - Water			MAXD	0	0	5 146
tailed ACOS Results by Class - Water			BASE	136	2,250	53 1 27

s Oth						ļ			!
TOTI Federal Unemployment Tax	LABOR	136	0	4	-	17	0	0	157
OTI State Unemployment Tax	LABOR	2,250	0	61	20	278	e	0	2,612
Sub-total		53,127	5,146	24,591	7,984	3,303	1,274	0	95,426
TOTAL TAXES OTHER THAN INCOME TAX		53,127	5,146	24,591	7,984	3,303	1,274	0	95,426
Income Taxes									
Tax Income Taxes	RTBASE	35,572	5,832	31,450	12,490	48	1,886	0	87,278
TOTAL		35,572	5,832	31,450	12,490	48	1,886	0	87,278
1		,			•		•	•	•
Operating Revenues									
REV Annualize Water Sales (excl. Transmission Irrigation)	SALES						'	2,210,892	2,210,892
	SALES		•	•			•	17,224	17,224
REV Miscellaneous Revenue	SALES						'	17,368	17,368
_	SALES						'	11,566	11,566
REV Other Revenues	SALES							3,616	3,616
	SALES		•	•			•	17,224	17,224
Sub-total	ł		•	•			•	2,277,890	2,277,890
TOTAL		•			•			2,277,890	2,277,890

	TOTAL	54	896	44,444	44,444	4.4.46E	44,465	•		847,289	6,601	6,656	4,432	1,386	6,601	872,964
	REV	0	0	0	0	c	• •			847,289	6,601	6,656	4,432	1,386	6,601	872,964
	FIRE	0	2	840	840	CVC 1	1,242				•					•
5	JST_ACCT	ы	52	619	619	đ	5 <b>6</b>				•					•
IRR Irrigation	MET_SVC CUST_ACCT	o	5	2,003	2,003	121 5	3,134	•			•	•				•
	МАХН	Ю	40	16,198	16,198	21716	20,716				•					•
	MAXD	0	0	5,970	5,970	6 766	6,766			•	•	•	•	•	•	
	BASE	48	162	18,815	18,815	10 508	12,598				•					•
	Alloc. Factor	LABOR	LABOR			DTBASE				SALES	SALES	SALES	SALES	SALES	SALES	2
	Account Description	Taxes Other Than Income Taxes	State Unemployment Tax	Sub-total	TOTAL TAXES OTHER THAN INCOME TAX	Taxes	TOTAL		Operating Revenues	Annualize Water Sales (excl. Transmission Irrigation)	Transmission Irrigation Revenue - Current	Miscellaneous Revenue	Late Fees	Other Revenues	Transmission Irrigation Revenue - Increase	Sub-total
	No.	Taxes O	TOTI			Income Taxes	× 51		Operatii	REV	REV	REV	REV	REV	REV	

872,964

872,964

.

.

.

.

.

TOTAL

### GREAT BASIN WATER COMPANY ACOS Study Detaile

OS Results by Class - Water
led ACOS R

	TOTAL	1.119	18,571	725,807	725,807		695,796	695,796		14,443,063	112,519	113,460	75,554	23,622	112,519	14,880,737	14,880,737	
	REV	0	0	0	0		0	0		14,443,063	112,519	113,460	75,554	23,622	112,519	14,880,737	14,880,737	
	FIRE	-	24	9,506	9,506		14,064	14,064		•	'	'	'	'	•	•	•	
Ļ	:UST_ACCT	267	4,437	52,770	52,770		753	753						'		•		
TOTAL	MAXH MET_SVC CUST_ACCT	17	280	113,088	113,088		176,915	176,915		•					•	•	•	
	МАХН	27	453	183,407	183,407		234,565	234,565		•					•	•	•	
	MAXD	0	0	51,199	51,199		58,025	58,025								•		,
	BASE	806	13,377	315,837	315,837		211,475	211,475		•					•	•	•	
	Alloc. Factor	LABOR	LABOR				RTBASE			SALES	SALES	SALES	SALES	SALES	SALES	ł		
	Account Description	Taxes Other Than Income Taxes TOTI	State Unemployment Tax	Sub-total	TOTAL TAXES OTHER THAN INCOME TAX	Taxes	Income Taxes	TOTAL	Operating Revenues	Annualize Water Sales (excl. Transmission Irrigation)	Transmission Irrigation Revenue - Current	Miscellaneous Revenue	Late Fees	Other Revenues	Transmission Irrigation Revenue - Increase	Sub-total	TOTAL	
	No.	Taxes O	TOTI			Income Taxes	Тах		Operatir	REV	REV	REV	REV	REV	REV			

# GREAT BASIN WATER COMPANY WATER ACOS STUDY Revenue Allocation

I         ACOS         Max if Increations           Jal         ACOS         capped at 1.           Deficiency (\$)         Increase (%)         System           0         \$(1577666)         15.1%         \$(1627.467)           3         3(37.735)         8.6%         53.9           5         (178.206)         21.0%         123.9           0         \$(178.206)         21.0%         123.9	Revenue	Allocation (Capping in	evenue Allocation (Capping increase to 1.15 times System Increase)	em Increase)			1.15 tir	15 times System Increase =	-1 = 9289.	2%								
Description         Current Revenues         Revoluce Revenues         Current Revenues         Eacl Compared Eural Increases         Other Actional Internin         Classes         Additional Final Revised Final Increases         Increase         Internin         Classes         Additional Final Revised Final Increases         Internin         Classes         Additional Final Revised Final Increases         Increase         Internin         Classes         Additional Final Revised Final Increases         Internin         Classes         Additional Final Revised Final Increase         Increases         Internin         Classes         Additional Final Revised Final Increases         Internit         Classes         Additional Final Revised Final Increases         Increases <th></th> <th></th> <th>V</th> <th>Co Beauired</th> <th></th> <th>Z</th> <th></th>			V	Co Beauired		Z												
Description         Current construction         Current construction         Construction <t< th=""><th></th><th>Description</th><th>Current Device Local</th><th>course @ Equal</th><th>ACOS</th><th></th><th>apped at 1.2x C</th><th>lasses Over Cla</th><th>asses Under</th><th>Additional In</th><th>terim Revised</th><th>Intermin</th><th>Classes</th><th>Additional</th><th>Final Revised Fi</th><th>inal Increase</th><th></th><th>Proposed</th></t<>		Description	Current Device Local	course @ Equal	ACOS		apped at 1.2x C	lasses Over Cla	asses Under	Additional In	terim Revised	Intermin	Classes	Additional	Final Revised Fi	inal Increase		Proposed
Note that the series of the series o					Deficiency (\$) Ir	ncrease (%)		Cap	Cap	Mitigation	Deficiency	Increase (%)	Under Cap	Mitigation	Deficiency	(%)	from ACOS	Revenue
Residential         \$ 10,980,04         \$ 12,605,710         \$ 61,57,560         15,1%         \$ 1602,194         \$ 162,194         14,6%         \$ 5,472         \$ (1,602,194)         14,6%         \$ 5,472         \$ (1,602,194)         14,6%         5 (1,602,194)         14,6%         5 (1,602,194)         14,6%         5 (1,602,194)         14,6%         5 (1,602,194)         14,6%         5 (1,602,194)         14,6%         5 (1,5%         5 (1,7%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         17%         0 (45,190)         10.3%         16%         10.3%         17%         0 (45,190)         10.3%         16%         16%         16%         16%         16%         16%         10.3%         10%         103%         10.3%							Increase											
Multi-Res         436,838         474,573         (37,735)         86%         63,929         0         26,190         10.3%         0         0         (45,190)         10.3%         1.7%           Commercial         2,210,892         2,175,263         35,630         -1.6%         323,554         0         359,183         (102,226)         (65,596)         3.0%         4.6%         4.6%           Irrigation         8,477,289         1,025,495         (178,206)         21.0%         123,997         14.6%         0         0         0         165,596         3.0%         4.6%           Irrigation         8,477,289         1,025,495         (178,206)         21.0%         152,307         14.6%         0         0         0         14.6%         -6.4%           Total         5         0         (123,397)         12.7%         5         100,681)         5         183,977         12.7%         0         30%         4.6%         -6.4%           Total         5         0         5         (183,977         12.7%         5         5         133,977         12.7%         0         5         5         5         5         5         3         3         5         5 <td>RES</td> <td>Residential</td> <td></td> <td>12,605,710</td> <td>\$(1,657,666)</td> <td>15.1% \$</td> <td>1,602,194 \$</td> <td>: (55,472) \$</td> <td><del>ب</del> ا</td> <td>: 55,472 \$</td> <td>(1,602,194)</td> <td>14.6%</td> <td>' \$</td> <td>' \$</td> <td>\$ (1,602,194)</td> <td>14.6%</td> <td>-0.5%</td> <td>\$12,550,238</td>	RES	Residential		12,605,710	\$(1,657,666)	15.1% \$	1,602,194 \$	: (55,472) \$	<del>ب</del> ا	: 55,472 \$	(1,602,194)	14.6%	' \$	' \$	\$ (1,602,194)	14.6%	-0.5%	\$12,550,238
Commercial         2.210,892         2.175,263         35,630         -1.6%         323,554         0         356,183         (102,226)         (66,596)         3.0%         0         0         (66,596)         3.0%         4.6%           Irrigation         847,289         1,025,495         (178,206)         21.0%         123,997         (54,209)         0         54,209         (122,397)         14.6%         0         0         (12,397)         14.6%         -4%           Total         \$ 14,443,063         \$ 16,281,040         \$(13377)         12.7%         \$ \$ 185,377         \$ 0         \$ (1,837,977)         12.7%         0%         \$ 185,377         \$ 0         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%         0%         \$ 1,837,977)         12.7%	MRES	Multi-Res	436,838	474,573	(37,735)	8.6%	63,929	0	26,194	(7,455)	(45,190)	10.3%	0	0	(45,190)	10.3%	1.7%	482,028
Inigation         847289         1025,445         (178,209)         21.0%         123,997         (123,397)         14.6%         0         (123,397)         14.6%         0.4.5%         0.4.5%         0.4.5%         0.4.5%         0.4.5%         0.4.5%         0.4.5%         0.4.5%         0.5%         0.5%         0.6.	COM	Commercial	2,210,892	2,175,263	35,630	-1.6%	323,554	0	359,183	(102,226)	(66,596)	3.0%	0	0	(66,596)	3.0%	4.6%	2,277,488
\$ 16,281,040 \$(1,837,977) 12.7% \$ (106,681) \$ 385,377 \$ 0 \$ (1,837,977) 12.7% \$ - \$ - \$ (1,837,977) 12.7% \$ 0 5	IRR	Irrigation	847,289	1,025,495	(178,206)	21.0%	123,997	(54,209)	0	54,209	(123,997)	14.6%	0	0	(123,997)	14.6%	-6.4%	971,285
		Total	\$ 14,443,063 \$	16,281,040	\$(1,837,977)	12.7%	\$	: (109,681) \$	385,377 \$	\$ 0	(1,837,977)	12.7%	' \$	' \$	\$ (1,837,977)	12.7%	0.0%	\$16,281,040
										\$	0				0 \$			(0)

1.15 times System Increase = 15%

Page 1 of 1

#### Attachment BR-3 to Exhibit \_\_\_\_\_

#### Attachment BR-3 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 72 of 389

#### GREAT BASIN WATER COMPANY Rate Design BR-3, Schedule 1 Summary of Proposed Consolidated Rate Design - Water (Full Consolidation)

Debela         Numeros         Propende DC         Turi         Turi <thturi< th=""> <thturi< th="">         Turi</thturi<></thturi<>					Pi	оро	sed Vol	ume	etric Rat	es		Proposed Blo	cks
PatemingPatemi	Division	Rate+Meter	Proposed BSC	; <u>т</u>						No Tier	Tier 1		
Parture P													
ParturneyInstruction (algobit)Instruction (algobit)I		0											
Patterness Patt		-											
Panner Panne		-											
PathemionTeatmation ingitand*S0 6002UUS1 02PathemionInstancesI13122VS1010PathemionI13122VS10 <td></td> <td>-</td> <td></td>		-											
Pathemion <td></td> <td>-</td> <td></td>		-											
Pathering Pathering Pathering <th< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		-											
Pathung         CCAGM*         S         Zeb         Zeb     <		-											
Patumine Patumine Patumine CALAI*CALAI*SPatume Patume CALAI*CALAI*SPatume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patume CALAI*CALAI*Patume Patum	Pahrump	Transmission Irrigation10"	\$ 1,319.22	2						\$ 1.02			
Pahump         CA1*         CA1*         CA1*         CA1*         CA1*         CA0*         CA00         Periodes           Pahump         CALS*         STA1         S         STA1         S <th< td=""><td>Pahrump</td><td>CCA5/8"</td><td>\$ 25.00</td><td>) \$</td><td>2.72</td><td>\$</td><td>4.38</td><td>\$</td><td>6.13</td><td>n/a</td><td>5,000</td><td>30,000</td><td>999,999,999</td></th<>	Pahrump	CCA5/8"	\$ 25.00	) \$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Pahump         CAL 5"         CAL 5" <thcal 5"<="" th=""> <thcal 5"<="" th=""> <thcal 5"<="" td="" th<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>999,999,999</td></thcal></thcal></thcal>													999,999,999
Pahumap         CA2r         S         CA2         S <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>999,999,999</td></t<>													999,999,999
Pahumap         CAX <sup>+</sup> Pahumap         CAX <sup>+</sup> S        S         S         S													
Pathump         CCA4*         CCA4*         S         I.3.         I.3.         I.5.         <													
Pahump         CLA <sup>+</sup> CLA <sup>+</sup> S         All         S         Col         Col         Seggesse           Pahump         CLA <sup>+</sup> S         All         S         Cl         S         Cl         S         Cl         S         Cl         S </td <td></td>													
Puhump         CLAM*         S         S         Z-Z         Z-Z         Z-Z         Z-Z <thz-z< th=""> <thz-z< th=""> <thz-z< th="">       &lt;</thz-z<></thz-z<></thz-z<>													
Pahumap         Pahumap         Pathe Authon(NAC)**         S 2.00													
Phulter         Public Autority/A*         §         Z5.00         §         Z7.20         §         A.30         M         5.000         3.000         999.9999.99           Pahump         Public Autority/L5*         §         Z7.20         §         Z7.20         S<													999,999,999
Phuture         Public Autority1*         \$ 31.2         \$ 4.3         \$ 1.3         in         5.00         30.000         999.999.99           Pahrure         Public Autority2*         \$ 7.12         \$ 2.72         \$ 4.33         in         5.000         30.000         999.999.99           Pahrure         Public Autority2*         \$ 2.72         \$ 4.33         \$ 1.3         in         5.000         30.000         999.999.99           Pahrure         Public Autority1*         \$ 2.72         \$ 4.33         \$ 1.3         in         5.000         2.000.00         999.999.99           Pahrure         Public Autority1*         \$ 4.48.85         \$ 2.72         \$ 4.33         \$ 1.3         in         5.000         2.000.00         999.999.99           Pahrure         Commercial/3*         \$ 2.72         \$ 4.48.8         \$ 1.3         in         5.000         3.000         999.999.99           Pahrure         Commercial/3*         \$ 2.72         \$ 4.38         \$ 1.3         in         5.000         3.000         999.999.99           Pahrure         Commercial/3*         \$ 2.72         \$ 4.38         \$ 1.3         in         5.000         3.000         999.999.99           Pahrure         Commercial/3*													999,999,999
Phulic Automiy1.5"         S         T.3         S         Z.7         S         A.8         S <ths< th="">         S         S         S</ths<>	Pahrump	Public Authority3/4"		) \$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Phulte         Public Authoring"         S 71.28         S 72.7         S 74.38         S 74.38 <ths 74.38<="" th="">         S 74.38         S 74.38</ths>													999,999,999
Phutung         Public Authonityd'         \$         1211         5         272         5         438         5         6.13         n/a         50,00         30,000         999,999,99           Pahrung         Public Authonityd'         \$         208.01         \$         27.2         8         8         6.13         n/a         50,00         2000,000         999,999,99           Pahrung         Public Authonityd'         \$         4.83         \$         6.13         n/a         50,00         2.000,000         999,999,99           Pahrung         Commercial/4'         \$         2.000         \$         2.27         8         4.83         \$         6.13         n/a         50,00         30,000         999,999,99           Pahrung         Commercial/4'         \$         2.02         \$         4.83         \$         6.13         n/a         50,00         30,000         999,999,99           Pahrung         Commercial/4'         \$         2.27         \$         4.38         \$         6.13         n/a         50,00         30,000         999,999,99           Pahrung         Commercial/4'         \$         2.27         \$         3.38         \$         6.13 <th< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>999,999,999</td></th<>		-											999,999,999
Phutune         Public Authonity4"         \$         14.84         \$         27.2         \$         43.8         \$         6.13         n/a         5000         300,000         99999999           Pahrume         Public Authonity4"         \$         44.84.5         \$         27.2         \$         43.8         \$         6.13         n/a         5000         2000,000         99999999           Pahrume         Public Authonity4"         \$         44.86.5         \$         27.2         \$         43.8         \$         6.13         n/a         5000         30,000         99999999           Pahrume         Commercial/4"         \$         27.0         \$         27.2         \$         43.8         \$         6.13         n/a         5000         30,000         99939999           Pahrump         Commercial/4"         \$         27.12         \$         27.2         \$         43.8         \$         6.13         n/a         5000         30,000         9993999           Pahrump         Commercial/4"         \$         21.01         \$         22.72         \$         43.8         \$         6.13         n/a         5000         30,000         9993999           Pahru													999,999,999
Phother         Public Authority("         S 200.81         S         Z 7.8         S 4.84         S         C 100         S,0000         S99.999.999           Pahrump         Public Authority(1"         S         G 600.07         S         Z 7.8         S         S 10.1         Na         S,000         S,000.00         S99.999.999           Pahrump         Commercial/"         S         G 7.0         S         Z 7.8         S         S 10         Na         S,000         S99.999.99           Pahrump         Commercial/"         S         Z 7.8         S         S 13         Na         S,000         S99.999.99           Pahrump         Commercial/"         S         Z 7.7         S         Z 3.8         S         S 13         Na         S,000         S99.999.99           Pahrump         Commercial/"         S         Z 7.7         S         Z 3.8         S         S 13         Na         S,000         S99.999.99           Pahrump         Commercial/"         S         Z 7.7         S         Z 3.8         S         S 13         Na         S,000         S99.999.99           Pahrump         Commercial/"         S         Z 7.8         Z 3.8         S 13         <		-											
Photice         Publice Autionity("         S 148, 86         S 10, 20, 20, 20, 20, 20, 20, 20, 20, 20, 2													
PhulmenPublic Autominy10"SConsmercial/S"SS <td></td>													
Phrump         CommercialS/P         \$         2         5         2         5         3         7         5         500         5000         99999999           Phrump         CommercialS/P         \$         312         \$         313         \$         513         7/a         5000         99999999           Phrump         CommercialS/P         \$         312         \$         2         2         3         \$         6.13         7/a         5.000         30,000         99999999           Phrump         CommercialS/P         \$         2117         \$         2         2         3         \$         6.13         7/a         5.000         30,000         99999999           Phrump         CommercialS/P         2         2117         \$         2         2         3         \$         6.13         7/a         5.000         2,000,00         99999999           Phrump         CommercialS/P         2         2000         \$         4.44         \$         6.05         \$         7.55         7/a         5.000         2,000,00         99999999           Phrump         Imgaton/A         2         2000         100,000         999999999         99999999													
Pahrump         Commercial/4"         \$         25.00         \$         27.00         \$         3.00         500.00         999999999           Pahrump         Commercial.5"         \$         3.7.10         \$         2.00         5.000         30.000         999999999           Pahrump         Commercial.5"         \$         3.7.10         \$         2.7.20         \$         4.3.8         \$         6.13         n/a         5.000         30.000         999999999           Pahrump         Commercial?         \$         1.12.17         \$         2.7.2         \$         4.3.8         \$         6.13         n/a         5.000         30.000         99999999           Pahrump         Commercial?         \$         4.48.5         \$         2.7.2         \$         4.3.8         \$         6.13         n/a         5.000         2.000.00         99999999           Pahrump         Commercial?         Commercial?         \$         4.48.5         \$         5.5         7.5         7.00         100.00         9999999           Pahrump         Irigation3"         2.000         100.00         99999999         9999999           Pahrump <thirigation3"< th="">         2.000         2.0</thirigation3"<>													999,999,999
Pahrump         Commercial.5"         S         T.2         S         T.2         S         A.3         S         D.30,000         999.999.999           Pahrump         Commercial.3"         S         T.20         S         A.33         S         D.30,000         999.999.999           Pahrump         Commercial.3"         S         L.21.17         S         Z.72         S         A.38         S         D.31         A'A         D.30,000         999.999.999           Pahrump         Commercial.6"         S         L.21.17         S         Z.72         S         A.38         S         D.31         A'A         D.30,000         999.999.999           Pahrump         Commercial.6"         Commercial.6"         S         Z.72         S         A.38         S         D.31         A'A         D.30,000         999.999.999           Pahrump         IrrigatoriA"         S         Z.72         S         A'A         S         D.31         A'A         D.30,000         100,000         999.999.999           Pahrump         IrrigatoriA"         S         Z.72         S         A'A         S         D.30,000         100,000         999.999.999           Pahrump         Irriga	Pahrump	Commercial3/4"	\$ 25.00	) \$	2.72	\$	4.38	\$	6.13	n/a		30,000	999,999,999
Pahump         Commercial"         \$         71.28         \$         71.28         \$         8.13         N         5.000         30.000         99999999           Pahump         Commercial"         \$         11.44         \$         2.72         \$         8.13         N         5.000         30.000         99999999           Pahump         Commercial"         \$         12.43         \$         6.13         N         5.000         2.000.00         99999999           Pahump         Commercial"         \$         448.85         \$         2.72         \$         4.38         \$         6.13         N         5.000         2.000.00         99999999           Pahump         Irrigaton54"         2.700         \$         2.72         \$         4.38         \$         6.13         N         5.000         2.000.00         9999999           Pahump         Irrigaton54"         2.700         \$         4.54         \$         6.05         \$         7.55         N         5.000         100.00         9999999           Pahump         Irrigaton54"         2.701         4.54         \$         6.05         \$         7.55         N         5.000         100.00	Pahrump	Commercial1"	\$ 31.26	6 \$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Pahrump         Commercials"         S         121.17         S         27.2         S         38.8         6.13         n/a         5,000         30,000         99939939           Pahrump         Commercials"         S         20.01         S         27.2         S         8.8         6.13         n/a         5,000         2,000,00         99939939           Pahrump         Commercials"         660.07         S         2.72         S         8.8         6.13         n/a         5,000         2,000,00         99939939           Pahrump         Irrigaton5/a"         660.07         S         7.27         S         N.4         5,000         100,000         99939939           Pahrump         Irrigaton5/a"         S         5.16         S         7.55         n/a         5,000         100,000         99939939           Pahrump         Irrigaton1"         S         3.72         S         5.75         n/a         5,000         100,000         9993993           Pahrump         Irrigaton3"         S         S         S         S         S         S         S         S         N/a         5,000         100,000         99939939           Pahrump	Pahrump	Commercial1.5"									5,000	30,000	999,999,999
Pahrump         Commercial"         S         145.40         S         27.2         S         3.8         6.13         n/a         5.000         3.000         99999999           Pahrump         Commercial0"         S         20.41         S         27.2         S         3.8         6.13         n/a         5.000         2.000.00         99999999           Pahrump         Irrigaton5/4"         S         6.05         S         7.55         n/a         5.000         100.00         99999999           Pahrump         Irrigaton5/4"         S         2.50         S         4.54         S         6.15         n/a         5.000         100.000         99999999           Pahrump         Irrigaton5/4"         S         5.15         S         7.55         n/a         5.000         100.00         9999999           Pahrump         Irrigaton5/4"         S         5.15         S         7.55         n/a         5.000         100.00         9999999           Pahrump         Irrigaton3/4         S         6.15         S         7.55         n/a         5.000         100.00         9999999           Pahrump         Irrigaton3/4         S         6.10         S													999,999,999
Pahump       CommercialG*       \$       290.81       \$       2.72       \$       4.38       \$       6.13       n'a       5.000       2.000.000       999.999.999         Pahump       CommercialG*       \$       6.001       \$       2.72       \$       4.38       \$       6.13       n'a       5.000       2.000.000       999.999.999         Pahump       Irrigation5/a*       \$       2.500       \$       4.54       \$       6.05       \$       7.55       n'a       5.000       100.000       999.999.999         Pahump       Irrigation1.5*       2.500       \$       4.54       \$       6.05       \$       7.55       n'a       5.000       100.000       999.999.999         Pahump       Irrigation1.5*       2.31.6*       2.454       \$       6.05       \$       7.55       n'a       5.000       100.000       999.999.999         Pahump       Irrigation1.5*       2.31.6*       2.454       \$       6.05       \$       7.55       n'a       5.000       100.000       999.999.999         Pahump       Irrigation3*       2.21.7*       \$       4.54       \$       6.05       \$       7.55       n'a       5.000       100.000 </td <td></td> <td>999,999,999</td>													999,999,999
Pahrump       Commercial1"       \$       44.84       \$       2.72       \$       4.83       \$       6.13       n/a       5.000       2.00,000       999.999.99         Pahrump       Iringation5/8"       2.200       \$       4.54       \$       6.13       n/a       5.000       2.00,000       999.999.99         Pahrump       Iringation5/8"       2.200       \$       4.54       \$       6.05       \$       7.55       n/a       5.000       100,000       999.999.99         Pahrump       Iringation14"       \$       4.54       \$       6.05       \$       7.55       n/a       5.000       100,000       999.999.99         Pahrump       Iringation14"       \$       4.54       \$       6.05       \$       7.55       n/a       5.000       100,000       999.999.99         Pahrump       Iringation3"       2.121       \$       4.54       \$       6.05       \$       7.55       n/a       5.000       100,000       999.999.99         Pahrump       Iringation3"       2.200       2.200       2.200       2.200,000       999.999.99         Pahrump       Iringation4"       2.200       2.255       3.208       4.33       n/a </td <td></td>													
Pahrump         Commercial10"         \$         660.07         \$         2.8.2         \$         6.1.3         N/a         5.000         \$         9.99.99.93           Pahrump         Irrigation5/8"         \$         5.000         \$         4.5.4         \$         6.05         \$         7.55         N/a         5.000         100.000         999.999.99           Pahrump         Irrigation1/4"         \$         4.5.4         \$         6.05         \$         7.55         N/a         5.000         100.000         999.999.99           Pahrump         Irrigation1.5"         \$         4.5.4         \$         6.05         \$         7.55         N/a         5.000         100.000         999.999.99           Pahrump         Irrigation2"         \$         4.5.4         \$         6.05         \$         7.55         N/a         5.000         100.000         999.999.99           Pahrump         Irrigation4"         \$         4.5.4         \$         6.05         \$         7.55         N/a         5.000         2.000.00         999.999.99           Pahrump         Irrigation4"         \$         2.05.0         \$         4.5.4         \$         6.05         7.55         N/a													
Pahrump         Irigations/4"         \$         25.00         \$         5.00         5.00         10.000         999.999.999           Pahrump         Irigations/4"         \$         25.00         \$         6.00         \$         7.55         n/a         5.000         100.000         999.999.999           Pahrump         Irigation.5"         \$         4.54         \$         6.05         \$         7.55         n/a         5.000         100.000         999.999.999           Pahrump         Irigation.5"         \$         3.751         \$         4.54         \$         6.05         \$         7.55         n/a         5.000         100.000         999.999.99           Pahrump         Irigation3"         \$         4.54         \$         6.05         \$         7.55         n/a         5.000         100.000         999.999.99           Pahrump         Irigation3"         \$         4.54         \$         6.05         \$         7.55         n/a         5.000         2.000.000         999.999.99           Pahrump         Irigation3"         \$         2.55         \$         3.00         \$         3.00         \$         3.00         999.99.99           Pahrump <td></td>													
Pahrump         Irrigation3/4"         \$         25.0         \$         7.55         7.6         7.60         10,000         999.999.99           Pahrump         Irrigation1.5"         \$         7.12         \$         7.65         7.67         7.60         7.000         100,000         999.999.99           Pahrump         Irrigation2"         \$         7.12         \$         6.65         \$         7.55         7.6         7.60         100,000         999.999.99           Pahrump         Irrigation2"         \$         7.12         \$         6.65         \$         7.55         7.6         7.60         100,000         999.999.99           Pahrump         Irrigation3"         \$         4.64         \$         6.05         \$         7.55         7.6         7.60         7.000         2.000,000         999.999.99           Pahrump         Irrigation3"         \$         4.64         \$         5.05         7.6         7.60         2.000,000         999.999.99           Pahrump         Irrigation3"         \$         4.64         \$         2.55         \$         3.00         \$         3.00         2.000,000         999.999.99           Pahrump         Multi-Res5/4" <td></td>													
Pahrump       Irrigation2**       \$       37.51       \$       6.60       \$       7.55       n/a       5,000       100,000       999,999,99         Pahrump       Irrigation2**       \$       7.12       \$       6.60       \$       7.55       n/a       5,000       100,000       999,999,99         Pahrump       Irrigation3**       \$       212.17       \$       4.54       \$       6.05       \$       7.55       n/a       5,000       100,000       999,999,99         Pahrump       Irrigation6**       \$       214.17       \$       4.54       \$       6.05       \$       7.55       n/a       5,000       2,000,00       999,999,99         Pahrump       Irrigation6**       448.85       \$       4.55       \$       7.55       n/a       5,000       2,000,00       999,999,99         Pahrump       Irrigation6**       \$       448.85       \$       2.55       \$       3.80       \$       4.35       0.4       5,000       3.000       999,999,99         Pahrump       Multi-Res3/**       \$       2.500       \$       3.80       \$       4.33       n/a       5,000       3.000       999,999,99         Pahrump		-											999,999,999
Pahrump       Irrigation2"       \$       71.2       \$       71.2       \$       71.2       \$       71.6       \$       75.5       7.4       5,000       100,000       999,999,999         Pahrump       Irrigation3"       \$       145.4       \$       6.05       \$       7.55       7.4       5,000       100,000       999,999,999         Pahrump       Irrigation6"       \$       145.4       \$       6.05       \$       7.55       7.4       5,000       2,000,000       999,999,999         Pahrump       Irrigation6"       \$       248.607       \$       4.56       \$       7.55       7.4       5,000       2,000,000       999,999,999       999	Pahrump	Irrigation1"		5 \$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Pahrump       Irrigation3"       Irrigation4"       Irrigation4"       Irrigation4"       Irrigation4	Pahrump	Irrigation1.5"	\$ 37.51	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Pahrump       Irrigation4"       \$       145.40       \$       6.05       \$       7.55       n/a       5.000       100.000       999.999.999         Pahrump       Irrigation6"       \$       4.848       \$       4.564       \$       6.05       \$       7.55       n/a       5.000       2.000.000       999.999.999         Pahrump       Irrigation10"       \$       448.85       \$       4.54       \$       6.05       \$       7.55       n/a       5.000       2.000.000       999.999.999         Pahrump       Irrigation10"       \$       6.600       \$       2.55       \$       3.80       \$       4.33       n/a       5.000       3.0000       999.999.999         Pahrump       Mult-Res5/4"       \$       3.126       \$       2.55       \$       3.80       \$       4.33       n/a       5.000       3.0000       999.999.999         Pahrump       Mult-Res1"       \$       3.126       \$       2.55       \$       3.80       \$       4.33       n/a       5.000       3.0000       999.999.999         Pahrump       Mult-Res1"       \$       2.55       \$       3.80       \$       4.33       n/a       5.000 <t< td=""><td>Pahrump</td><td>Irrigation2"</td><td></td><td>3 \$</td><td>4.54</td><td>\$</td><td>6.05</td><td>\$</td><td>7.55</td><td>n/a</td><td>5,000</td><td>100,000</td><td>999,999,999</td></t<>	Pahrump	Irrigation2"		3 \$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Pahrump       Irrigation6"       \$       20.01       \$       4.48.45       \$       4.50       \$       7.55       n/a       5.000       2.000,000       999.999.999       999         Pahrump       Irrigation10"       \$       4.48.45       \$       4.54       \$       6.05       \$       7.55       n/a       5.000       2.000,000       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999.999.999       999.999.999       999.999.999       999       999.999.999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999       999.999.999       999       999.999.999       999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999       999.999.999		-											999,999,999
Pahrump       Irrigation8"       \$       448.85       \$       4.54       \$       6.05       \$       7.55       i/a       5,000       2,000,000       999,999,999         Pahrump       Muti-Res5/8"       660.07       \$       4.54       \$       6.05       \$       7.55       i/a       5,000       2,000,000       999,999,999         Pahrump       Muti-Res5/8"       25.00       \$       2.55       \$       3.00       \$       9.00       99,999,999         Pahrump       Muti-Res1/8"       \$       2.50       \$       3.00       \$       4.33       i/a       5,000       30,000       999,999,999         Pahrump       Muti-Res1/8"       \$       3.12       \$       2.55       \$       3.80       \$       4.33       i/a       5,000       30,000       999,999,999         Pahrump       Muti-Res1/8"       \$       7.55       \$       3.80       \$       4.33       i/a       5,000       30,000       999,999,999         Pahrump       Muti-Res2"       \$       7.55       \$       3.80       \$       4.33       i/a       5,000       30,000       999,999,999         Pahrump       Muti-Res4"       \$ <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>999,999,999</td></th<>													999,999,999
Pahrump       Irrigation10"       \$       660.07       \$       6.05       \$       7.55       n/a       5,000       2,00,000       999,999,999         Pahrump       Multi-Res5/a"       \$       2.500       \$       2.500       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Multi-Res5/a"       \$       2.500       \$       2.500       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
PahrumpMulti-Res5/8"\$25.00\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999PahrumpMulti-Res1/"\$2.50\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999PahrumpMulti-Res1.5"\$3.72\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999PahrumpMulti-Res2"\$7.128\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999PahrumpMulti-Res2"\$7.128\$2.55\$3.80\$4.93n/a5,00030,000999,999,991991991991991991991991991991991991991991991991<		-											
PahrumpMulti-Res3/4"\$25.00\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999,999,999PahrumpMulti-Res1.5"\$3.12.6\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1.5"\$3.75.1\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$71.28\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res1"\$2.55\$\$3.80\$\$4.93n/a5,000 <td></td> <td>-</td> <td></td>		-											
PahrumpMulti-Res1"\$31.26\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999,999,999PahrumpMulti-Res1"\$37.51\$2.55\$3.80\$4.93n/a5,00030,000999,999,999999PahrumpMulti-Res2"\$71.28\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res4"\$145.40\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res6"\$290.81\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res6"\$290.81\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res6"\$290.81\$2.55\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res6"\$2.50\$3.80\$4.93n/a5,00030,000999,999,999PahrumpMulti-Res6"\$2.50\$3.72\$5.10\$6.42n/a5,00030,000999,999,999PahrumpResidential5/8"\$3.72\$5.10\$6.42n/a5,00030,000999,999,999PahrumpResidential2"\$7													999,999,999
Pahrump       Multi-Res1.5"       \$       37.51       \$       2.55       \$       3.80       \$       4.93       n/a       5.000       30,000       999,999,999         Pahrump       Multi-Res2"       \$       71.28       \$       2.55       \$       3.80       \$       4.93       n/a       5.000       30,000       999,999,999       999         Pahrump       Multi-Res3"       \$       121.17       \$       2.55       \$       3.80       \$       4.93       n/a       5.000       30,000       999,999,999       999         Pahrump       Multi-Res4"       \$       212.17       \$       \$       2.55       \$       3.80       \$       4.93       n/a       5.000       30,000       999,999,999       999 <td></td> <td>999,999,999</td>													999,999,999
Pahrump       Multi-Res3"       \$       121.17       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Multi-Res4"       \$       145.40       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Multi-Res6"       \$       2.908.11       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999 <td></td> <td></td> <td></td> <td>\$</td> <td>2.55</td> <td>\$</td> <td>3.80</td> <td>\$</td> <td>4.93</td> <td>n/a</td> <td></td> <td></td> <td>999,999,999</td>				\$	2.55	\$	3.80	\$	4.93	n/a			999,999,999
Pahrump       Multi-Res4"       \$       145.40       \$       2.55       \$       3.80       \$       4.93       n/a       5.000       30,000       999,999,999       999         Pahrump       Multi-Res6"       \$       290.81       \$       2.55       \$       3.80       \$       4.93       n/a       5.000       30,000       999,999,999       999	Pahrump	Multi-Res2"	\$ 71.28	3 \$	2.55	\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Pahrump       Multi-Res6"       \$       290.81       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Multi-Res6"       \$       448.85       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Multi-Res10"       \$       6.60       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999													999,999,999
Pahrump       Multi-Res8"       \$       448.85       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Multi-Res10"       \$       660.07       \$       2.55       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Residential3/4"       \$       250.00       \$       7.72       \$       5.10       \$       6.42       n/a       5,000       30,000       999,999,999       999													999,999,999
Pahrump       Multi-Res10"       \$       660.07       \$       2.50       \$       3.80       \$       4.93       n/a       5,000       30,000       999,999,999       999         Pahrump       Residential5/8"       \$       3.72       \$       5.10       \$       6.42       n/a       5,000       30,000       999,999,999       999         Pahrump       Residential5/8"       \$       3.72       \$       5.10       \$       6.42       n/a       5,000       30,000       999,999,999       999         Pahrump       Residential1.5"       \$       3.72       \$       5.10       \$       6.42       n/a       5.000       30,000       999,999,999       999         Pahrump       Residential1.5"       \$       3.72       \$       5.10       \$       6.42       n/a       5.000       30,000       999,999,999       999       991 <td></td>													
Pahrump         Residential5/8"         \$         25.00         \$         3.72         \$         5.10         \$         5.00         30,00         999,999,999           Pahrump         Residential3/4"         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential1"         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential1."         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential1.5"         \$         7.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential2"         \$         7.72         \$         5.71         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential3"         \$         7.72         \$         5.71         \$         6.42         n/a         5,000         30,000         99													
Pahrump         Residential3/4"         \$         25.00         \$         3.72         \$         5.10         \$         5.00         30,00         999,999,999           Pahrump         Residential1"         \$         3.126         \$         5.72         \$         6.42         r/a         5.000         30,000         999,999,999           Pahrump         Residential1.5"         \$         3.72         \$         5.10         \$         6.42         r/a         5.000         30,000         999,999,999           Pahrump         Residential2.5"         \$         3.721         \$         5.72         \$         6.42         r/a         5.000         30,000         999,999,999           Pahrump         Residential2"         \$         121.17         \$         3.72         \$         6.42         r/a         5.000         30,000         999,999,999           Pahrump         Residential4"         \$         121.17         \$         3.72         \$         6.42         r/a         5.000         30,000         999,999,999           Pahrump         Residential4"         \$         124.17         \$         3.72         \$         5.01         \$         6.42         r/a         5													
Pahrump         Residential1"         \$         31.26         \$         3.72         \$         6.42         n/a         5,000         30,000         999,999,999         999													
Pahrump         Residential1.5"         \$ 37.5         \$ 37.5         \$ 3.72         \$ 5.00         \$ 5,000         30,000         999,999,999           Pahrump         Residential2"         \$ 71.28         \$ 3.72         \$ 5.10         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential2"         \$ 71.28         \$ 3.72         \$ 5.10         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential4"         \$ 121.17         \$ 3.72         \$ 5.10         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential4"         \$ 145.40         \$ 3.72         \$ 5.10         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$ 208.1         \$ 3.72         \$ 5.10         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$ 208.1         \$ 3.72         \$ 5.10         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$ 448.85         \$ 3.72         \$ 5.10         \$ 6.42         n/													999,999,999
Pahrump         Residential2"         \$         71.28         \$         3.72         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential3"         \$         121.17         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential3"         \$         121.17         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         448.85         \$         3.72         \$         5.10 <td></td> <td>999,999,999</td>													999,999,999
Pahrump         Residential3"         \$         121.17         \$         3.72         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential4"         \$         145.40         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         3.72         \$         5.10         \$         6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         290.81         \$         3.72         \$         5.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential6"         \$         290.81         \$         3.72         \$         5.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential8"         \$         6.60.7         \$         3.72         \$         5.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential8"         \$         6.60.7         \$         3.72         \$         5.42         n/a													999,999,999
Pahrump         Residential6"         \$ 290.81         \$ 3.72         \$ 6.42         n/a         5,000         30,000         999,999,999           Pahrump         Residential8"         \$ 448.85         \$ 3.72         \$ 5.00         \$ 6.00         30,000         999,999,999           Pahrump         Residential8"         \$ 6.00         \$ 3.72         \$ 5.00         \$ 6.00         \$ 99,999,999           Pahrump         Residential10"         \$ 6.60.07         \$ 3.72         \$ 5.01         \$ 6.42         n/a         \$ 5,000         30,000         999,999,999	Pahrump	Residential3"	\$ 121.17	/\$	3.72		5.10	\$	6.42	n/a			999,999,999
Pahrump         Residential8"         \$ 448.85         \$ 3.72         \$ 5.00         \$ 5,000         30,000         999,999,999           Pahrump         Residential10"         \$ 660.07         \$ 3.72         \$ 5.00         \$ 6.42         n/a         \$ 5,000         30,000         999,999,999										n/a			999,999,999
Pahrump Residential10" \$ 660.07 \$ 3.72 \$ 5.10 \$ 6.42 n/a 5,000 30,000 999,999,99													999,999,999
													999,999,999
Panrump remporarys" \$ 121.17 \$ 3.72 \$ 5.10 \$ 6.42 n/a 5,000 30,000 999,999,99													999,999,999
	Pahrump	Temporary3"	\$ 121.17	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999

#### GREAT BASIN WATER COMPANY Rate Design BR-3, Schedule 1 Summary of Proposed Consolidated Rate Design - Water (Full Consolidation)

			T		Pr	оро	sed Voli	ume	etric Rat	es		Proposed Blocks	
Division	Rate+Meter	Prop	oosed BSC	Т	ier 1	· ·	ier 2		Tier 3	No Tier	Tier 1	Tier 2	Tier 3
Spring Creek	451 Spring Creek Water Only Residential3/4"	\$		\$		\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Residential1"	\$		\$	3.72	\$		\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Residential1.5"	\$	37.51	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Residential2"	\$		\$	3.72			\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Residential3"	\$		\$	3.72			\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Residential4"	\$	145.40	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Residential6"	\$	290.81	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)3/4"	\$	25.00	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)1"	\$	31.26	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)1.5"	\$	37.51	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)2"	\$	71.28	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)3"	\$	121.17	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)4"	\$	145.40	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Residential (Master SA)6"	\$	290.81	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial3/4"	\$	25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial1"	\$	31.26	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial 1.5"	\$	37.51	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial2"	\$	71.28	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial3"	\$	121.17	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial4"	\$	145.40	\$	2.72		4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Commercial6"	\$	290.81	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	2,000,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)3/4"	\$	25.00	\$		\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)1"	\$	31.26	\$		\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)1.5"	\$		\$	2.72		4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)2"	\$	71.28	\$	2.72		4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)3"	\$	121.17	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)4"	\$	145.40	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Commercial (Master SA)6"	\$	290.81	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	2,000,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)3/4"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)1"	\$	31.26	\$	2.55	\$		\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)1.5"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)2"	\$		\$	2.55	\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)3"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)4"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res (Master SA)6"	\$		\$		\$		\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)3/4"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1.5"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)2"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)3"	\$		\$	2.55			\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"	\$		\$		\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)6"	\$		\$	2.55	\$	3.80	\$	4.93	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation3/4"	\$		\$		\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation1"	\$		\$	4.54		6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation1.5"	\$		\$		\$		\$	7.55	n/a	5,000	100,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation2"	\$		\$		\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation3"	\$		\$		\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation4"	\$		\$		\$		\$	7.55	n/a	5,000	100,000	999,999,999
Spring Creek	451 Spring Creek Water Only Irrigation6"	\$		\$	4.54			\$	7.55	n/a	5,000	2,000,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)3/4"	\$		\$	2.72			\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)1"	\$		\$	2.72			\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)1.5"	\$		\$		\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)2"	\$		\$		\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)3"	\$	121.17		2.72			\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)4"	\$		\$				\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Public Authority (Master SA)6"	\$	290.81		2.72		4.38	\$	6.13	n/a	5,000	2,000,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority3/4"	\$		\$	2.72		4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority1"	\$		\$			4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority1.5"	\$		\$	2.72			\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority2"	\$		\$	2.72			\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority3"	\$		\$	2.72		4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority4"	\$		\$			4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spring Creek	451 Spring Creek Water Only Public Authority6"	\$		\$	2.72		4.38	\$	6.13	n/a	5,000	2,000,000	999,999,999
Spring Creek	451 Spring Creek Water Temporary3"	\$	121.17	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999

#### GREAT BASIN WATER COMPANY Rate Design BR-3, Schedule 1 Summary of Proposed Consolidated Rate Design - Water (Full Consolidation)

		 		Pi	ropo	osed Vol	ume	tric Rat	es		Proposed Blocks	
Division	Rate+Meter	posed BSC	1	fier 1	1	Tier 2	T	ier 3	No Tier	Tier 1	Tier 2	Tier 3
Cold Springs	450 UI of Nevada Water Residential5/8"	\$ 25.00	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential3/4"	\$ 25.00	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential1"	\$ 31.26	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential1.5"	\$ 37.51	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential2"	\$ 71.28	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential3"	\$ 121.17	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential4"	\$ 145.40	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial5/8"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial3/4"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial1"	\$ 31.26	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial1.5"	\$ 37.51	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial2"	\$ 71.28	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial3"	\$ 121.17	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial4"	\$ 145.40	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial6"	\$ 290.81	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	2,000,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation5/8"	\$ 25.00	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation3/4"	\$ 25.00	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation1"	\$ 31.26	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation1.5"	\$ 37.51	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation2"	\$ 71.28	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation3"	\$ 121.17	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation4"	\$ 145.40	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority5/8"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority3/4"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority1"	\$ 31.26	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority1.5"	\$ 37.51	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority2"	\$ 71.28	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority3"	\$ 121.17	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority4"	\$ 145.40	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service5/8"	\$ 25.00	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service3/4"	\$ 25.00	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service1"	\$ 31.26	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service1.5"	\$ 37.51	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service2"	\$ 71.28	\$	3.72	\$	5.10	\$	6.42	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial5/8"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial3/4"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial1"	\$ 31.26	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial 1.5"	\$ 37.51	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial2"	\$ 71.28	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 15/8"	\$ 25.00	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 13/4"	\$ 25.00	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 11"	\$ 31.26	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 11.5"	\$ 37.51	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 12"	\$ 71.28	\$	4.54	\$	6.05	\$	7.55	n/a	5,000	100,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority5/8"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority3/4"	\$ 25.00	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority1"	\$ 31.26	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority1.5"	\$ 37.51	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority2"	\$ 71.28	\$	2.72	\$	4.38	\$	6.13	n/a	5,000	30,000	999,999,999

#### GREAT BASIN WATER COMPANY Rate Design BR-3, Schedule 2 Summary of Standalone Rate Design - Water

				[			S	tandalo	ne R	ates			Standalone Blo	cks
Division	Rate+Meter	F	Propo BS		Tie	er 1	Ti	ier 2	Ti	ier 3	No Tier	Tier 1	Tier 2	Tier 3
Pahrump	Transmission Irrigation5/8"	\$		26.38	n/a		n/a	1	n/a		\$ 1.02			
Pahrump	Transmission Irrigation3/4"	\$	;	39.58	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation1"	\$	6	65.96	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation 1.5"	\$		31.92	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation2"	\$		11.08	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation3"	\$		22.16	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation4"	\$		59.62	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation6"	\$	1,3	19.22	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation8"	\$		19.22	n/a		n/a		n/a		\$ 1.02			
Pahrump	Transmission Irrigation10"	\$	1,3	19.22	n/a		n/a		n/a		\$ 1.02			
Pahrump	CCA5/8"	\$		25.00		2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA3/4"	\$		25.00	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA1"	\$		31.26	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA1.5"	\$		37.51	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA2"	\$		71.28	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA3"	\$	12	21.17	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA4"	\$		45.40	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	CCA6"	\$	29	90.81	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	CCA8"	\$		48.85	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	CCA10"	\$		60.07	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Public Authority5/8"	\$		25.00	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority3/4"	\$		25.00	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority1"	\$		31.26	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority1.5"	\$		37.51		2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority2"	\$		71.28	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority3"	\$	12	21.17	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority4"	\$	14	45.40	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Public Authority6"	\$	29	90.81	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Public Authority8"	\$	44	48.85	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Public Authority10"	\$	60	60.07	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Commercial5/8"	\$	:	25.00	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial3/4"	\$	2	25.00	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial1"	\$	;	31.26	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial1.5"	\$	;	37.51	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial2"	\$		71.28	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial3"	\$	12	21.17	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial4"	\$	14	45.40	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	30,000	999,999,999
Pahrump	Commercial6"	\$	29	90.81	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Commercial8"	\$	44	48.85	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Commercial10"	\$	60	60.07	\$	2.48	\$	3.96	\$	5.77	n/a	5,000	2,000,000	999,999,999
Pahrump	Irrigation5/8"	\$	:	25.00	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation3/4"	\$	:	25.00	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation1"	\$	;	31.26	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation1.5"	\$	;	37.51	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation2"	\$		71.28	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation3"	\$		21.17	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation4"	\$	14	45.40	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	30,000	999,999,999
Pahrump	Irrigation6"	\$	29	90.81	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	2,000,000	999,999,999
Pahrump	Irrigation8"	\$	44	48.85	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	2,000,000	999,999,999
Pahrump	Irrigation10"	\$		60.07	\$	3.98	\$	6.43	\$	9.57	n/a	5,000	2,000,000	999,999,999
Pahrump	Multi-Res5/8"	\$		25.00	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res3/4"	\$			\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res1"	\$		31.26	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res1.5"	\$		37.51	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res2"	\$		71.28	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res3"	\$	12	21.17	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res4"	\$		45.40	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res6"	\$	29	90.81	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res8"	\$	44	48.85	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Multi-Res10"	\$	66	60.07	\$	3.01	\$	4.77	\$	7.02	n/a	5,000	30,000	999,999,999
Pahrump	Residential5/8"	\$	:	25.00	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential3/4"	\$	:	25.00	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential1"	\$	;	31.26	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential1.5"	\$	;	37.51	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential2"	\$	-	71.28	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential3"	\$	12	21.17	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential4"	\$	14	45.40	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential6"	\$	29	90.81	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
Pahrump	Residential8"	\$	44	48.85	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999
	D				+		+							
Pahrump	Residential10"	\$	66	60.07	\$	3.36	\$	5.35	\$	7.91	n/a	5,000	30,000	999,999,999

#### GREAT BASIN WATER COMPANY Rate Design BR-3, Schedule 2 Summary of Standalone Rate Design - Water

spm:         spm: <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Standalo</th><th>ne F</th><th>Rates</th><th></th><th></th><th></th><th>Standalone Bloc</th><th>ks</th></th<>								Standalo	ne F	Rates				Standalone Bloc	ks
ping "berd         ess         3         3         3         3         5         6         6         5         6         6         5         6         6         6         6         6         6         6         7         7         5         6         6         7         5         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6         6         7         6        6         7 <th< td=""><td>Division</td><td>Rate+Meter</td><td>Р</td><td>•</td><td>T</td><td>lier 1</td><td>•</td><td>Tier 2</td><td>1</td><td>Tier 3</td><td>N</td><td>o Tier</td><td>Tier 1</td><td>Tier 2</td><td>Tier 3</td></th<>	Division	Rate+Meter	Р	•	T	lier 1	•	Tier 2	1	Tier 3	N	o Tier	Tier 1	Tier 2	Tier 3
sping Tere         45 Sping Tere Watch Only Relations         5         77.2         8         6.0         70.00         90.000        90.000         90.000	Spring Creek														999,999,999
spm:         const.         spm:         <															999,999,999
sping "bers         451 sping" check Matter Only Realestential?         5         1         1         6         5         7         7         8         6.00         0.000         982.985.           sping "bers         451 sping" Check Matter Only Realestential?         8         200.00         5         5         7         8         6.00         0.000         982.985.           sping "bers         451 sping" Check Matter Angla"         8         0.001         0.000         982.985.           sping "bers         451 sping" Check Matter Angla"         8         1.010         8         0.001         0.000         982.985.           sping "bers         451 sping" Check Matter Angla"         8         1.011         8         5.0         7.0         1         0.000															
spinechanspines															
pingdis Spring Caree Water Presidential Matter SAJA*ss															999,999,999
pmp         qmp         qmp <td></td> <td>999,999,999</td>															999,999,999
admin prime 			\$												999,999,999
ging ing cent         45. Simig Cent Water Residential (Master SA)*         5         1.1         6         6.9         7.00         30.00         999.999.           ging Cent         45. Sping Cent Water Residential (Master SA)*         5         1.1         6         5         7.00         5         0.40         5.000         30.000         999.999.           ging Cent         45. Sping Cent Water Residential (Master SA)*         2         200.0         5         1.1         6         5         7.00         5         0.40         5.000         999.999.         999.999.           ging Cent         45. Sping Cent Water Only Commercial 1*         3         37.01         5         1.1         6         5         7.70         8         0.40         5.000         999.999.999.999.999.999.999.999.999.99	Spring Creek	451 Spring Creek Water Residential (Master SA)1"	\$	31.26	\$	5.11		6.59	\$	7.70	\$	0.40	5,000	30,000	999,999,999
spin_spin_spin_spin_spin_spin_spin_spin_	Spring Creek	451 Spring Creek Water Residential (Master SA)1.5"	\$	37.51	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	30,000	999,999,999
gam_grome         451 Spring Creek Water Readmath (Matter SA)*         5         11.4         6         5         7.70         5         0.40         5.000         30,000         990,990, 990,990,990,990,990,990,990,990	Spring Creek	451 Spring Creek Water Residential (Master SA)2"	\$	71.28	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	30,000	999,999,999
ping "pert         45.1 Sping "Deck Water Readerating (Meater SA)?"         5         5         1.1         5         5         7.70         5         0.40         0.000         990,990,990,990,990,990,990,990,990,990	Spring Creek					5.11	\$		\$				5,000	30,000	999,999,999
ping Creek         451 Spring Creek Water Only Commercial (Matter SA):         5         2         5         7         8         0.0         999.999         999.999           ping Creek         451 Spring Creek Water Only Commercial (Matter SA):         5         7.1         8         0.0         509.999         999.999	Spring Creek														999,999,999
ging Cenk         431 Spring Cenk Water Only Communicul?         8         312.6         8         51.1         8         60.0         909.999.         999.999.           ging Cenk         435 Spring Cenk Water Only Communicul?         8         71.2.8         8         51.1.1         8         60.0         999.999.999.999.999.999.999.999.999.99	Spring Creek														999,999,999
ping Creek         451 Sping Creek Wate Only Commercial ("         \$         37.5         \$         5.11         \$         6.9         9         999.999         999.999           ping Creek         451 Sping Creek Wate Only Commercial ("         \$         121.17         \$         5.11         \$         6.9         7.0         \$         0.40         5.000         999.999 </td <td></td> <td>, ,</td> <td></td> <td>999,999,999</td>		, ,													999,999,999
ping presk         451 Spring Creek Water Only Commercial?         \$         77.2         8         6.04         5.000         999.999         999.3991           ping Creek         451 Spring Creek Water Only Commercial?         \$         11.8         6.50         \$         77.0         8         0.40         5.000         999.999         999.3991           ping Creek         451 Spring Creek Water Only Commercial?         \$         20.50         \$         5.11         \$         6.50         \$         77.0         \$         0.40         5.000         999.9999         999.3991           ping Creek         451 Spring Creek Water Commercial (Master SA1/1"         \$         32.50         \$         7.10         \$         0.40         5.000         999.9999         999.3991           ping Creek         451 Spring Creek Water Commercial (Master SA1/3"         \$         12.11         \$         5.11         \$         5.59         7.70         \$         0.40         5.000         999.9999         999.999.999.999.999.999.999.999.999.99															999,999,999
joing Creek         451 Spring Creek Water Only Commercials'         \$         12.17         5         5.18         5.05         5         7.70         5         0.40         5000         999.999         999.3993           joing Creek         451 Spring Creek Water Only Commercials'         5         2         2.05         5         5.11         5         6.59         5         7.70         5         0.40         5.000         999.999         999.3993           joing Creek         451 Spring Creek Water Commercial (Master SA11"         5         3         5.11         5         6.50         7.70         5         0.40         5.000         999.999         999.3993           joing Creek         451 Spring Creek Water Commercial (Master SA12"         5         51.11         5         6.50         7.70         5         0.40         5.000         999.9999         999.3993           joing Creek         451 Spring Creek Water Commercial (Master SA14"         5         1.11         6         6.50         7.70         6         0.40         5.000         999.9999         999.3993           joing Creek         451 Spring Creek Water Multi-Be (Master SA12"         5         1.15         6         6.50         7.70        6         0.40 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>															
ging Creek         451 Spring Creek Water Only Commercial(*         \$         14.6         0         5.71         \$         6.70         \$         0.40         5.000         999.999         999.3993           ging Creek         451 Spring Creek Water Only Commercial (Master SA14**         \$         20.00         5         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         999.999         999.3993           ging Creek         451 Spring Creek Water Commercial (Master SA14**         \$         3.71         \$         6.50         \$         7.70         \$         0.40         5.000         999.3993         999.3993           ging Creek         451 Spring Creek Water Commercial (Master SA14**         \$         11.12         \$         5.51         \$         6.50         \$         7.70         \$         0.40         5.000         999.3993         999.3993           ging Creek         451 Spring Creek Water Commercial (Master SA14**         \$         11.50         \$         5.51         \$         5.70         \$         0.40         5.000         999.3993         999.3993         999.3993         999.3993         999.3993         999.3993         999.3993         999.3993         999.3993         999.3993															
jong Creek         451 Spring Creek Water Commercial (Master SA)1"         5         51.1         6         5.9         7.70         5         0.40         5.000         999.999															
jning Creek         451 Spring Creek Water Commercial (Master SA)1"         5         5         5         7.70         8         0.40         5.000         999.999         999.9999															
jong Creek         451 Spring Creek Water Commercial (Master SA)1"         S         312.6         5         51.7         5         7.0         5         0.40         5.000         999.999.999         999.999															999,999,999
ging Creek       451 Spring Creek Water Commercial (Master SA)2"       \$       71.2       \$       51.0       \$       6.50       \$       7.0       \$       0.40       5,000       999,999	Spring Creek														999,999,999
jamp         desc         desc         s         leng	Spring Creek		\$			5.11		6.59		7.70		0.40			999,999,999
jam         Creek         451 Spring Creek Water Commercial (Master SA)4"         \$         14.0         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         999.999         999.999           pring Creek         451 Spring Creek Water Mutt-Res (Master SA)14"         \$         220.01         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         930.000         999.999           pring Creek         451 Spring Creek Water Mutt-Res (Master SA)15"         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         30.000         999.999.999.999.999.999.999.999.999.99	Spring Creek	451 Spring Creek Water Commercial (Master SA)2"	\$	71.28	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	999,999	999,999,999
gamme Creek         451 Spring Creek Water Commercial (Master SA)(34"         \$         25.00         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         999.999         999.999           pring Creek         451 Spring Creek Water Multi-Res (Master SA)(1"         \$         3.12.0         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         30,000         999.999           pring Creek         451 Spring Creek Water Multi-Res (Master SA)(3"         \$         7.12.8         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         30,000         999.999           pring Creek         451 Spring Creek Water Multi-Res (Master SA)(3"         \$         11.17         \$         5.11         \$         6.50         \$         7.70         \$         0.40         5.000         30,000         999.999 <t< td=""><td>Spring Creek</td><td>451 Spring Creek Water Commercial (Master SA)3"</td><td>\$</td><td>121.17</td><td>\$</td><td>5.11</td><td>\$</td><td>6.59</td><td>\$</td><td>7.70</td><td>\$</td><td>0.40</td><td>5,000</td><td>999,999</td><td>999,999,999</td></t<>	Spring Creek	451 Spring Creek Water Commercial (Master SA)3"	\$	121.17	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	999,999	999,999,999
jamp         Greek         451 Spring Creek Water Multi-Res (Master SA)1"         \$         25.00         \$         5.11         \$         6.59         \$         7.70         \$         0.40         5.000         30.000         999.999.999.999.999.999.999.999.999.99	Spring Creek	451 Spring Creek Water Commercial (Master SA)4"	\$	145.40	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	999,999	999,999,999
gamme Creek         451 Spring Creek Water Multi-Res (Master SA)1*         \$         31.26         \$         51.11         \$         6.50         \$         0.00         9999.999.999.999.999.999.999.999.999.9	Spring Creek		\$	290.81	\$			6.59	\$			0.40	5,000	999,999	999,999,999
sping Creek       451 Sping Creek Water Multi-Res (Master SA)L5"       \$       37.12       \$       5.11       \$       5.03       \$       7.70       \$       0.40       5.000       30,000       999,999;         ping Creek       451 Sping Creek Water Multi-Res (Master SA)2"       \$       1.11       \$       5.05       \$       7.70       \$       0.40       5.000       30,000       999,999;         ping Creek       451 Sping Creek Water Multi-Res (Master SA)4"       \$       145.0       \$       5.11       \$       5.05       \$       7.70       \$       0.40       5.000       30,000       999,999;         ping Creek       451 Sping Creek Water Multi-Res (Master SA)4"       \$       216.0       \$       5.11       \$       5.65       \$       7.70       \$       0.40       5.000       30,000       999,999;         ping Creek       451 Sping Creek Water Multi-Res with Flat Sever (Master SA)2"       \$       7.128       \$       5.11       \$       6.50       \$       7.70       \$       0.40       5.000       30,000       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;       999,999;	Spring Creek														999,999,999
ping Creek       451 Spring Creek Water Multi-Res (Master SA)2"       \$ 71.28       \$ 11.1       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.         ping Creek       451 Spring Creek Water Multi-Res (Master SA)4"       \$ 121.17       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.         ping Creek       451 Spring Creek Water Multi-Res (Master SA)4"       \$ 290.81       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1.5"       \$ 31.26       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1.5"       \$ 7.11       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)3"       \$ 121.17       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)3"       \$ 121.17       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5.000       30.000       999.999.															999,999,999
ping Creek       451 Spring Creek Water Multi-Res (Master SA)3"       \$       121.17       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999.         ping Creek       451 Spring Creek Water Multi-Res (Master SA)4"       \$       200.11       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1"       \$       3.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1"       \$       7.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)2"       \$       1.51       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999.         ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)2"       \$       1.51       \$       6.59       \$       7.70       \$       0.40       5,000       30,000															
pring Creek         451 Spring Creek Water Mutti-Res (Master SA)4"         \$         14.46.40         \$         6.50         \$         7.70         \$         0.40         5.000         30,000         999,999,999,999,999,999,999,999,999,99															
ppring Creek       451 Spring Creek Water Multi-Res (Master SA)6"       \$       290.81       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999,999,999,999,999,999,999,999,99															
ping Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)14"       \$       25.00       \$       5.11       \$       6.50       \$       7.70       \$       0.40       5,000       30,000       999,999.         pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)1"       \$       3.751       \$       5.11       \$       6.50       \$       7.70       \$       0.40       5,000       30,000       999,999.         pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)2"       \$       7.12       \$       0.40       5,000       30,000       999,999.         pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"       \$       121.7       \$       6.50       \$       7.70       \$       0.40       5,000       30,000       999,999.         pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)6"       \$       22.600       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       390,999       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.       999,999.															
ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)1.5"       \$ 31.20       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       30,000       999,999;         ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)1.5"       \$ 7.712       \$ 6.59       \$ 7.70       \$ 0.40       5,000       30,000       999,999;         ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)2"       \$ 121.17       \$ 6.59       \$ 7.70       \$ 0.40       5,000       30,000       999,999;         ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)4"       \$ 121.17       \$ 6.59       \$ 7.70       \$ 0.40       5,000       30,000       999,999;         ping Creek       451 Spring Creek Water Only Irrigation3/4"       290.81       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999       999,999;         ping Creek       451 Spring Creek Water Only Irrigation1"       \$ 37.51       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999       999,999;         ping Creek       451 Spring Creek Water Only Irrigation1"       \$ 37.51       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999       999,999;         ping Creek       451															
ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)1.5"       \$       37.51       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5.000       30,000       999,999,         ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)2"       \$       7.11       \$       6.59       \$       7.70       \$       0.40       5.000       30,000       999,999,         ping Creek       451 Spring Creek Water Mutii-Res with Flat Sewer (Master SA)4"       \$       121.17       \$       6.59       \$       7.70       \$       0.40       5.000       30,000       999,999,         ping Creek       451 Spring Creek Water Only Irigation3/4"       \$       220.01       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5.000       999,999       999,999,999,999,999,999,999,999,999,99															999,999,999
pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)2"       \$       7.128       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999;         pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"       \$       151.1       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999;         pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"       \$       151.1       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999;         pring Creek       451 Spring Creek Water Only Irrigation3/"       \$       31.26       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       999,999       999,999;															999,999,999
pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"       \$       145.40       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       30,000       999,999,         pring Creek       451 Spring Creek Water Only Irrigation3/4"       \$       250.01       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       999,999,999,999,999,999,999,999,999,99	Spring Creek														999,999,999
pring Creek       451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)6"       \$       290.81       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       999,999       999,999         pring Creek       451 Spring Creek Water Only Irrigation3/4"       \$       25.00       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       999,999 <td>Spring Creek</td> <td></td> <td>\$</td> <td>121.17</td> <td>\$</td> <td>5.11</td> <td>\$</td> <td>6.59</td> <td>\$</td> <td>7.70</td> <td>\$</td> <td>0.40</td> <td>5,000</td> <td>30,000</td> <td>999,999,999</td>	Spring Creek		\$	121.17	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	30,000	999,999,999
pring Creek       451 Spring Creek Water Only Irrigation3/4"       \$ 25.00       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999       999,999         pring Creek       451 Spring Creek Water Only Irrigation1.5"       \$ 31.26       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999 <t< td=""><td>Spring Creek</td><td>451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"</td><td>\$</td><td>145.40</td><td>\$</td><td>5.11</td><td>\$</td><td>6.59</td><td>\$</td><td>7.70</td><td>\$</td><td>0.40</td><td>5,000</td><td>30,000</td><td>999,999,999</td></t<>	Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)4"	\$	145.40	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	30,000	999,999,999
pring Creek451 Spring Creek Water Only Irrigation1"\$31.26\$5.11\$6.59\$7.70\$0.405,000999,999	Spring Creek	451 Spring Creek Water Multi-Res with Flat Sewer (Master SA)6"	\$	290.81	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	30,000	999,999,999
spring Creek       451 Spring Creek Water Only Irrigation 1.5"       \$ 37.51       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999       999,999         spring Creek       451 Spring Creek Water Only Irrigation 2"       \$ 71.28       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999       999,999       999,999         spring Creek       451 Spring Creek Water Only Irrigation 3"       \$ 121.17       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999	Spring Creek	451 Spring Creek Water Only Irrigation3/4"											5,000	999,999	999,999,999
pring Creek451 Spring Creek Water Only Irrigation2"71.285.1156.59\$7.70\$0.405,000999,999 <td>Spring Creek</td> <td></td> <td>999,999,999</td>	Spring Creek														999,999,999
Spring Creek451 Spring Creek Water Only Irrigation3"\$121.17\$5.11\$6.59\$7.70\$0.405,000999,999999,9															999,999,999
spring Creek       451 Spring Creek Water Only Irrigation4"       \$       145.40       \$       5.11       \$       6.59       \$       7.70       \$       0.40       5,000       999,999 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
Spring Creek451 Spring Creek Water Only Irrigation6"\$290.81\$5.11\$6.59\$7.70\$0.405,000999,999999,9															
pring Creek451 Spring Creek Water Public Authority (Master SA)3/4"\$25.00\$5.11\$6.59\$7.70\$0.405,000999,999<															
pring Creek451 Spring Creek Water Public Authority (Master SA)1"\$31.26\$5.11\$6.59\$7.70\$0.405,000999,999 <td>1 0</td> <td>, , , ,</td> <td></td>	1 0	, , , ,													
spring Creek       451 Spring Creek Water Public Authority (Master SA)1.5"       \$ 37.51       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999															
pring Creek       451 Spring Creek Water Public Authority (Master SA)2"       \$ 71.28       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999															999,999,999
pring Creek       451 Spring Creek Water Public Authority (Master SA)3"       \$ 121.17       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999	Spring Creek														999,999,999
ippring Creek       451 Spring Creek Water Public Authority (Master SA)4"       \$ <ul> <li>145.40</li> <li>5.11</li> <li>6.59</li> <li>7.70</li> <li>0.40</li> <li>5,000</li> <li>999,999</li> <li>999,999,</li> <li>999,999,999,</li> <li>999,999,999,999,</li> <li>999,999,999,999,999,999,999,999,999,99</li></ul>	Spring Creek														999,999,999
spring Creek       451 Spring Creek Water Public Authority (Master SA)6"       \$         290.81       \$         5.11       \$         6.59       \$         7.70       \$         0.40       5,000       999,999       <	Spring Creek														999,999,999
spring Creek       451 Spring Creek Water Only Public Authority1."       \$ 31.26       \$ 5.11       \$ 6.59       \$ 7.70       \$ 0.40       5,000       999,999 <t< td=""><td>Spring Creek</td><td>451 Spring Creek Water Public Authority (Master SA)6"</td><td></td><td>290.81</td><td></td><td>5.11</td><td></td><td>6.59</td><td></td><td>7.70</td><td></td><td>0.40</td><td></td><td></td><td>999,999,999</td></t<>	Spring Creek	451 Spring Creek Water Public Authority (Master SA)6"		290.81		5.11		6.59		7.70		0.40			999,999,999
ippring Creek       451 Spring Creek Water Only Public Authority1.5"       \$ <ul> <li>37.51</li> <li>5.11</li> <li>6.59</li> <li>7.70</li> <li>0.40</li> <li>5,000</li> <li>999,999</li> <li>999,999,</li> <li>999,999,999,</li> <li>999,999,999,</li></ul>	Spring Creek	451 Spring Creek Water Only Public Authority3/4"	\$	25.00	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	999,999	999,999,999
Spring Creek       451 Spring Creek Water Only Public Authority2"       \$ 71.28 \$ 5.11 \$ 6.59 \$ 7.70 \$ 0.40 5,000 999,999 999,999,999,999,999,999,999	Spring Creek	451 Spring Creek Water Only Public Authority1"	\$	31.26	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	999,999	999,999,999
pring Creek         451 Spring Creek Water Only Public Authority3"         \$ 121.17         \$ 5.11         \$ 6.59         \$ 7.70         \$ 0.40         5,000         999,999         999,999,999         999,999,999         999,999,999         999,999,999         999,999,999         999,999,999         999,999,999         999,999,999         999,999,999,999         999,999,999,999,999         999,999,999,999,999         999,999,999,999,999,999,999         999,999,999,999,999,999,999         999,999,999,999,999,999,999,999,999,99	Spring Creek														999,999,999
pring Creek 451 Spring Creek Water Only Public Authority4" \$ 145.40 \$ 5.11 \$ 6.59 \$ 7.70 \$ 0.40 5,000 999,999 999,999, pring Creek 451 Spring Creek Water Only Public Authority6" \$ 290.81 \$ 5.11 \$ 6.59 \$ 7.70 \$ 0.40 5,000 999,999 999,999,	Spring Creek	, , ,													999,999,999
pring Creek 451 Spring Creek Water Only Public Authority6" \$ 290.81 \$ 5.11 \$ 6.59 \$ 7.70 \$ 0.40 5,000 999,999 999,999,	Spring Creek	, , ,													999,999,99
															999,999,999
pring creek 451 Spring creek water remporarys" \$ 121.17 \$ 5.11 \$ 6.59 \$ 7.70 \$ 0.40 5,000 999,999 999,999,															999,999,999
	Spring Creek	451 Spring Creek Water Temporary3"	\$	121.17	\$	5.11	\$	6.59	\$	7.70	\$	0.40	5,000	999,999	999,999,999

#### GREAT BASIN WATER COMPANY Rate Design BR-3, Schedule 2 Summary of Standalone Rate Design - Water

						S	Standalo	ne R	lates			Standalone Blo	cks
Division	Rate+Meter	Р	roposed BSC	т	ier 1	1	Tier 2	Ti	ier 3	No Tier	Tier 1	Tier 2	Tier 3
Cold Springs	450 UI of Nevada Water Residential5/8"	\$	25.00	\$	2.50	\$	3.74	\$	4.68	\$ -	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential3/4"	\$	25.00	\$	2.50	\$		\$	4.68	\$-	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential1"	\$	31.26	\$	2.50	\$		\$	4.68	\$-	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential1.5"	\$	37.51	\$	2.50	\$		\$	4.68	\$-	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential2"	\$	71.28	\$	2.50	\$		\$	4.68	\$-	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential3"	\$	121.17	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Residential4"	\$	145.40	\$	2.50	\$		\$	4.68	\$-	5,000	30,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial5/8"	\$	25.00	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial3/4"	\$	25.00	\$	2.50	\$		\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial1"	\$	31.26	\$	2.50	\$		\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial 1.5"	\$	37.51		2.50	\$		\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial2"	\$	71.28	\$	2.50	\$		\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial3"	\$	121.17	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial4"	\$	145.40	\$	2.50	\$		\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Commercial6"	\$	290.81	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation5/8"	\$	25.00	\$	2.50	\$		\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation3/4"	\$	25.00	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation1"	\$	31.26	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation1.5"	\$	37.51	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation2"	\$	71.28	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation3"	\$	121.17	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Irrigation4"	\$	145.40	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority5/8"	\$	25.00	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority3/4"	\$	25.00	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority1"	\$	31.26	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority1.5"	\$	37.51	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority2"	\$	71.28	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority3"	\$	121.17	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Cold Springs	450 UI of Nevada Water Public Authority4"	\$	145.40	\$	2.50	\$	3.74	\$	4.68	\$-	5,000	175,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service5/8"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service3/4"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service1"	\$	31.26	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service1.5"	\$	37.51	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Residential Water Service2"	\$	71.28	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	30,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial5/8"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial3/4"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$ -	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial1"	\$	31.26	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial 1.5"	\$	37.51	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Commercial2"	\$	71.28	\$	2.23	\$	3.34	\$	4.18	\$ -	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 15/8"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 13/4"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 11"	\$	31.26	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 11.5"	\$	37.51	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Non-Residential -IRR 12"	\$	71.28	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority5/8"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority3/4"	\$	25.00	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority1"	\$	31.26	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority1.5"	\$	37.51	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999
Spanish Springs	452 Sky Ranch Water Public Authority2"	\$	71.28	\$	2.23	\$	3.34	\$	4.18	\$-	5,000	60,000	999,999,999

## Attachment BR-4 to Exhibit \_\_\_\_\_

# Attachment BR-4 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 79 of 389

Line				-	RES	NRES	10
Z	Uescription (A)	oyste	System Lotal (B)		(C)	(D)	
		-					
-	Plant in Service	÷	43,791,317	÷	22,133,859 \$		,459
5	Accumulated Reserve		(24,178,041)		(12,070,710)	(12,107	,331)
ი .	Other Rate Base Items	e	(7,632,153)	ŧ	(3,839,689)	(3,792,464)	(464)
4		÷	11,981,124	e de la constante de la consta	6,223,46U \$		G00
	Revenues at Current Rates						
5	Retail Revenues	ŝ	4,837,085	ŝ	3,236,825 \$	1,600,260	,260
9	Total Other Revenue		55,739				18,440
7	Total Revenues	\$	4,892,824	φ	3,274,124 \$	1,618,701	701
	Expenses at Current Rates						
8	Operations & Maintenance Expenses	÷	3.013.948	ŝ	1.524.096 \$	1.489.852	.852
6	Depreciation Expense		912,400				449,101
10	Amortization Expense		,				
1	Taxes Other Than Income Taxes		249,731		127,011	122	122,720
12	Income Taxes		59,761				(37,234)
13	Total Expenses - Current	ŝ	4,235,840	Ф	2,211,402 \$	2,024,438	,438
14	Current Operating Income	ŝ	656,984	ŝ	1,062,722 \$	-	(405,738)
15	Return at Current Rates		5.48%		_		-7.05%
16	Index Rate of Return		1.00		3.11	)	(1.29)
	Revenue Requirement at Equal Rates of Return						
17	Required Return		8.04%		8.04%	8	8.04%
18	Required Operating Income	Ф	962,945	÷			462,754
19	Operating Income (Deficiency)/Surplus	\$	(305,960)	ŝ	562,532 \$		(868,492)
	Expenses at Required Return						
20	Operations & Maintenance Expenses	¢	3,016,677	φ		\$ 1,490,304	,304
21	Depreciation Expense		912,400		463,299	449	449,101
22	Amortization Expense		'		,		,
23	Taxes Other than Income		251,026		127,666	123	123,361
24	Income Taxes		141,092				70,087
25	Total Expense - Required	ъ	4,321,196	ю	2,188,343 \$	2,132,853	,853
26	Total Revenue Requirement at Equal Return	÷	5,284,140	ф	2,688,533 \$	2,595,607	607
27	Less Total Other Revenues	÷	55,739	ŝ			18,440
28	Total Base Rate Revenues at Equal Return	ω	5,228,401	φ	2,651,234 \$	2,577,167	,167
29	Revenue (Deficiency) / Surplus	÷	(391,316)	ь	585,591 \$		(906,906)
30	Pronoced Increase at Enual Rates of Return (%)		8 00%		-17 89%	, U9	60.35%
8			0000		200	8	200
	Revenue Requirement at Proposed Rates						
31	Revenue Re-Distribution	<del>ഗ</del> (	(0)	<del></del>		c	(555,646)
3 22	base kate kevenue as Proposed Total Other Revenues	e e	5,228,401	<del>ന</del> ന	37 299 \$	D'7	120,12
34	Total Revenue as Proposed	e.	5 284 140	÷		2.0	961
5		÷	01-1-04-0	÷			

# GREAT BASIN WATER COMPANY ACOS Study BR-4, Schedule 2 Functional Revenue Requirement and Unit Costs by Class - Sewer

No.	Description	ώ.	System Total		RES Residential	Non	NRES Non-Residential
Funct	(A) Functionalized Rate Base		(B)		(C)		(D)
- 0 0	Base Cost Customer Facilities and Accounting	\$	11,165,291 815,833	θ	5,528,270 616,194	ŝ	5,637,021 199,639
04	Total	୫	11,981,124	ŝ	6,144,465	ŝ	5,836,660
Funct	Functionalized Revenue Requirement Total Revenue Requirement by Functional Cost	e	5 046 100	G	0 408 476	e	2 EAT 626
9 0 0	cuese cost Customer Facilities and Accounting Revenue	•	238,038	÷	185,061	÷	52,977
- 00	Total	Ś	5,284,140	ŝ	2,683,538	ŝ	2,600,602
	Total Revenue Requirement by Activity						
6	Collection	S	998,049	ക	538,123	в	459,926
9	Pumping		1,016,529		503,314		513,215
5 5	Treatment		3,201,019		1,584,920		1,616,098
1 5	Customer Accounting and Service Revenue		68,543 -				11,363
14	Total	ഴ	5,284,140	ഴ	2,683,538	s	2,600,602
15	Billing Determinants Customers		5,857		4,419		1,438
16	Volume (kGals)		6,260		3,100		3,161
17	Unit Costs (\$/customer/month)	ŝ	75.18	θ	50.61	ŝ	150.71

GREAT BASIN WATER COMPANY ACOS Study BR4, Schedule 3 Cost Classification and Allocation Assignment - Sewer

REV CUST\_ACCT BASE Functional\_Cost Activity Account Description

> RATE BASE Acct. No.

Intargible Plant - Organization Intargible Plant - Characterian - 385, 969 Intargible Plant - Other plant & miss. equip. Collection Plant - Structures & Improvements 6, 225 Collection Plant - Structures & Improvements 6, 220 Collection Plant - Collection equipment - Collection Plant - Collection P			-		
2. 33 Its hent 1.9					TOTPLT
o. Ats hent 1.9	385,998 385,998				TOTPLT
nts					TOTPLI
nts nent 1.9		F_COLLC	c_BASE	USAGE	
nent	6,225 6,225	F_COLLC	c_BASE	USAGE	
		F_COLLC	c_BASE	USAGE	
	,587 1,911,587	F_COLLC	c_BASE	USAGE	
Collection Plant - Collection sewers- gravity 152	9	F COLLC	c BASE	USAGE	
		F COLLC	c_BASE	USAGE	
lecting structures		F COLLC	c BASE	USAGE	
1.5	560.293 1.560.293	F COLLC	c CUST ACCT	CUST	
		F COLLC	c BASE	USAGE	
suo		F COLLC	c BASE	USAGE	
	5.687 5.687	F COLLC	c BASE	USAGE	
		F PUMPG	c_BASE	USAGE	
System Pumping Plant - Structures & improvements 2,759,909	,909 2,759,909	F PUMPG	c BASE	USAGE	
System Pumping Plant - Power generation equipment 61	613,112 613,112	F PUMPG	c_BASE	USAGE	
		F PUMPG	c BASE	USAGE	
1 1	.520.605 1.520.605	F PUMPG	c BASE	USAGE	
auip.		F PUMPG	c BASE	USAGE	
		E TREAT			
temente (Treatmi	734 074 734 074	E TDEAT			
Keciain			C_BASE	UDAGE	
Ireatment & Disposal Plant - Power generation equipment			C_BASE	USAGE	
		F_TREAT	c_BASE	USAGE	
		F_TREAT	c_BASE	USAGE	
Dist. Sys.		F_TREAT	c_BASE	USAGE	
ġ	9		c_BASE	USAGE	
	2,299 2,299	F_TREAT	c_BASE	USAGE	
claim Wtr Dist		F_TREAT	c_BASE	USAGE	
fisposal equip. 16,	(413 16,269,413	F_TREAT	c_BASE	USAGE	
õ	314,147 314,147	F_TREAT	c_BASE	USAGE	
n WTP		F_TREAT	c_BASE	USAGE	
	3,811 3,811	F_TREAT	c_BASE	USAGE	
Treatment & Disposal Plant - Other plant & misc. equip.	18,526 18,526	F_TREAT	c_BASE	USAGE	
General Plant - Land & land rights 65	653,590 653,590				TOTPLI
nts					TOTPLT
General Plant - Office furniture & equip. 1,23	238,907 1,238,907				TOTPLT
	1,783 1,783				TOTPLI
	754,294 754,294				TOTPLT
General Plant - Tools, shop & garage equip.	85,943 85,943				TOTPLT
	7,782 7,782				TOTPLI
ment 26	56				TOTPLI
	766,625 766,625				TOTPLT
	15,002 15,002				TOTPLT
	229,288 229,288				TOTPLT
AD					TOTPLT
43,791,317	,317 43,791,317				

Internal

GREAT BASIN WATER COMPANY	ACOS Study	BR-4, Schedule 3	Cost Classification and Allocation Assignment - Sewer
---------------------------	------------	------------------	---

Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constraints       Image: Section constraints       Image: Section constraints       Image: Section constraints         Image: Section constrat		ciation zation zation and fights equip. (and rights equip. (and rights equip. (and rights equip. generation equipment ion severs-gravity les ion severs-gravity les ion severs-gravity les es to customent se suring devices reasuring tractures a land & and rights Structures & improvements Structures & improvements Power generation equipment	(385,998)	- (385,998)				-	
Lat         Lat           Transmission         Constrained in the strength of the strengh of the strength of the strength of the strength o		zation ises ises alart & misc. equip. alart & misc. equip. and inghts generation equipment generation equipment ion sewers - force ion sewers - genup. Land & Iand diphts - Land & Iand diphts - Land & Iangrovements - Power generation equipment	(385,998)	- (385,998)				-	
Image: bit in the structure in		azion ises lant & misc. equip. Jant & misc. equip. Jant & misc. equip. Land & improvements generation equipment ion sewers. gravity les ion sewers. gravity les se to customers easuring trataliations easuring devices easuring trataliations easuring devices and & and diphis Land & Iand diphis Land & Iand diphis Structures & Improvements Power generation equipment	(385,998)	- (385,998)			_	-	
Normality Control for some of control Control for some of control for some of control Control for some of control		Jant & misc. equip. Jant & misc. equip. ( and rights generation equipment generation equipment ion severs- gravity les clion severs- gravity les clion severs- gravity les severing installations seaturing teatilations alant & misc. equip. Jant & and rights Structures & improvements Power generation equipment	(385,998)	(385,998)					TOTPLT
Notice for the former of the		land dingk. equip. land rights. equip. Ires & improvements res & improvements ion sewers - force ion sewers							TOTPLT
Control <t< td=""><td></td><td>Land rights res &amp; improvements generation equipment generation equipment ion sewers gravity les ion severs gravity les customers easuring textures as to customers easuring textures as to customers and &amp; marc. equip. Structures &amp; improvements Power generation equipment</td><td></td><td>•</td><td></td><td></td><td></td><td></td><td>TOTPLT</td></t<>		Land rights res & improvements generation equipment generation equipment ion sewers gravity les ion severs gravity les customers easuring textures as to customers easuring textures as to customers and & marc. equip. Structures & improvements Power generation equipment		•					TOTPLT
Control <t< td=""><td></td><td>ters &amp; improvements generation equipment lion sewers- force lion sewers- force les conserving relations es to customers easuring traditations alant &amp; misc. equip. Land &amp; land rights Land &amp; land rights Power generation equipment</td><td>(1 252)</td><td>•</td><td></td><td>c_BASE</td><td>USAGE</td><td></td><td></td></t<>		ters & improvements generation equipment lion sewers- force lion sewers- force les conserving relations es to customers easuring traditations alant & misc. equip. Land & land rights Land & land rights Power generation equipment	(1 252)	•		c_BASE	USAGE		
Content Pitter : Charles researce output Content Pitter : Charles researce result Content Pitter : Charles result Content Pitter : Charles result State Pitter		generation equipment sewers-force ion sewers-gravity les les customers es to customers es to customers enesuing devices reasung devices anañ & misc. equip. Land & land rights Land & land rights Power generation equipment	(007(1)	(1,253)	F_COLLC	c_BASE	USAGE		
Indent Plan: Culture server pany (1505)     (1502)		ion sewers- force ion sewers- gravity les les lorations structures es lo customers reasuring devices reasuring devices land & maic. equity alland & land rights Structures & improvements Power generation equitment			F_COLLC	c_BASE	USAGE		
Oldenty Plan:Culterior serves-parily cultor Plan:Collection serves-parily (2013)Collection serves-paril		ion severs- gravity (a) entropy and the severs- control of a control o	(1,686,022)	(1,686,022)	F COLLC	c_BASE	USAGE		
Conteron Peter - Special content     Conteron Peter - Special content     E-COLLE     C-BASE     E-COLLE     C-BASE     E-COLLE     C-BASE     E-COLLE     C-BASE		les colacting structures es to customers easuring devices reasuring instalations Jant & misc. equip. Land & land ights Structures & improvements Power generation equipment	(7,379,352)	(7,379,352)	F COLLC	c BASE	USAGE		
Conteron Peri - Service tro catality     Conteron Peri - Service tro catality     E COLLE     C BAGE     Diade     Diade </td <td></td> <td>to collecting structures es lo customers reasuring devices avanting traitations Jant &amp; misc. equip. Land &amp; land rights Power generation equipment</td> <td>(120,583)</td> <td>(120,583)</td> <td>F COLLC</td> <td>c_BASE</td> <td>USAGE</td> <td></td> <td></td>		to collecting structures es lo customers reasuring devices avanting traitations Jant & misc. equip. Land & land rights Power generation equipment	(120,583)	(120,583)	F COLLC	c_BASE	USAGE		
Collector Plant: Flow meaning gle/cear and collector Plant: Flow meaningle/cear and collector Plant: Flow meaning gle/cear and collector		es to customers es auming devices neasuing instalations Jant & mis. equip. Land & land rights Structures & improvements Power generation equiment	(1,073)	(1.073)	F COLLC	c BASE	USAGE		
Control Intel: For massing beliefse foreigned part. For foreigned foreigned foreigned part. For foreigned foreigned foreigned part. For foreigned foreigned foreigned part. For foreigned foreigned foreigned part. Foreigned foreigned foreigned foreigned foreigned foreigned foreigned foreigned foreigned foreigned fore		reasuring devices reasuring trateatiations alant & misc. equip. Land & land diphis Structures & Improvements Power generation equipment	(283,067)	(283,067)	F COLLC	c CUST ACCT		CUST	
Control Part - Formany installations     Control Part - Formany installations     Control Part - Formany installations       Steen Dings Part - Formany installations     Steen Dings Part - Formany installations     Formany installations       Steen Dings Part - Formany installations     Steen Dings Part - Formany installations     Formany installations       Steen Dings Part - Formany installations     Steen Dings Part - Formany installations     Steen Dings Part - Formany installations       Steen Dings Part - Formany installations     Steen Dings Part - Formany installations     Steen Dings Part - Formany installations       Steen Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations     Formany installations     Steen Dings Part - Formany installations       Teameral & Dings Part - Formany installations <td< td=""><td></td><td>reasuring installations laid &amp; ans: equip. Land &amp; land rights Structures &amp; improvements Power generation equipment</td><td>(44,486)</td><td>(44,486)</td><td>F COLLC</td><td>c BASE</td><td>USAGE</td><td></td><td></td></td<>		reasuring installations laid & ans: equip. Land & land rights Structures & improvements Power generation equipment	(44,486)	(44,486)	F COLLC	c BASE	USAGE		
Contraction Planet     State Planet     Contraction     Contraction     Contraction     Contraction     Contraction     State Planet		olant & misc. equip. Land & land rights Structures & improvements Power generation equipment			F COLLC	c_BASE	USAGE		
State Tunging Plant: - Lindang Plant: -		Land & land rights Structures & improvements Power generation equipment	(4,072)	(4,072)	F_COLLC	c_BASE	USAGE		
System During part - Students     (68.33)     FDM/G     C-BASE     USAGE     USAGE       System During part - Students     (69.33)     FDM/G     C-BASE     USAGE     USAGE       System During part - Amending part - Check part - Che		Structures & improvements Power generation equipment		•	F PUMPG	c BASE	USAGE		
Staten Turning Dark - Evens genetion eutinent(33-34)(33-35)<		Power generation equipment	(963, 335)	(963,335)	F PUMPG	c_BASE	USAGE		
System Punning Part - Enabling deliment Steam Punning Part - Enabling deliment reatiment & Biopolal Part - Structures & Improvements (freati reatiment & Biopolal Part - Structures & Improvements reatiment & Biopolal Part - Teater & Part & Ener & Part - Structures & Improvements reatiment & Biopolal Part - Teater & Biopolal Part - Teater & Part			(60,954)	(60,954)		c BASE	USAGE		
System Punging Brat Therminities allower Teamont & Diposal Plant Structures & Imposementing Teamont & Diposal Plant Structures & Impose Teamont & Diposal Plant Structures & Imposementing Teamont & Diposal Plant Structures & Imposementing Teamont & Diposal Plant Structures & Imposementing Teamont & Diposal Plant Structures & Impose Teamont & Diposal Plant Teamont & Diposal Plant Structures & Impose Teamont & Diposal Plant Teamont & Diposal Plant Structures & Impose Teamont & Diposal Plant Teamont & Diposal Plant Structures & Impose Teamont & Diposal Plant Teamont & Diposal Plant Teamot & Diposal Plant Dimeter & Diposal Plant Dimeter & D		Receiving wells			F PUMPG	c_BASE	USAGE		
System Unique Imatine & Diposal Plant - Land Alland (j)liks Treatment & Diposal Plant - Suchares Alland (j)liks Treatment & Diposal Plant - Tumpi Gui (j) Treatment & Diposal Plant - Tumpi Gui (j) Stati & TTEE/T & Di ARSE US/SCI Treatment & Diposal Plant - Tumpi Gui (j) Stati & TTEE/T & Di ARSE US/SCI Treatment & Diposal Plant - Tumpi Gui (j) Stati & TTEE/T & Di ARSE US/SCI Treatment & Diposal Plant - Tumpi Gui (j) Stati & TTEE/T & Di ARSE US/SCI Treatment & Diposal Plant - Tumpi Gui (j) Stati & TTEE/T & Di ARSE US/SCI Treatment & Diposal Plant - Tumpi Gui (j) Stati & TTEE/T & Di ARSE US/SCI Treatment & Diposal Plant - Tumpi Stati (j) Stati & Stati &		Pumping equipment	30,040	30,040	F PUMPG	c BASE	USAGE		
Transmit & Disobale plant - Lindication and information (Transmit & Disobale plant - Structures & Information (Transmit & Disobale plant - Transmit & Disobale plant - Transmit & Disobale plant - Transmit & Disobale blant - Disobale bl		Other plant & misc. equip.	(202)	(202)	F PUMPG	c BASE	USAGE		
Transmer & Discosed Plant - Structures & inforcoments (frain Transmer & Discosed Plant - Structures & inforcoments (frain Transmer & Discosed Plant - Found Plant - Structures & inforcoments (frain Transmer & Discosed Plant - Found Plant - Structures & inforcoments (frain Transmer & Discosed Plant - Found Plant - Structures & inforcoments (frain Transmer & Discosed Plant - Found Plant - Structures & Discosed Transmer & Discosed Plant - Found Plant - Structures & Discosed Transmer & Discosed Plant - Found Plant - Found Plant - Found Plant - Found Plant - Structures & Discosed Transmer & Discosed Plant - Found		ant - Land & land rights			F TREAT	c BASE	USAGE		
Transmert & Discostal Plant - Structurens & Incomments (Recisin Transmert & Discostal Plant - Encent mediations Transmert & Disposal Plant - Fuere Rummalitions Transmert & Disposal Plant - Fuere Rummalitions Conset Plant - Lourd Summalitions Conset Plant - Fuere Rummalitions Conset Plant - Construct Rummaliti Conset Rummalitions Conset Plant - Miscellareoux equip		ant - Structures & improvements (Treatmi	14.010	14.010	F TREAT	c BASE	USAGE		
Transmit & Disposibility in the interment & Disposibility interment & Disposibility in the interment & Disposibilit		ant - Structures & improvements (Reclain	(337 466)	(337 466)	F TRFAT	C RASE	IISAGE		
Transment & Disposal Plant - Transmission & Disposal Plant - Transmissi & Disposal Plant - Dista & Dispo		ant - Power generation equipment	-	-	F TREAT	C BASE	USAGE		
Instrument & Disposal Plant - Turnying Equip Reactim WTP Treatment & Disposal Plant - Turnying Equip Reactim WTP Treatment & Disposal Plant - Treatment & Disposal Plant - Turnying Equip Real/WTD Bit Treatment & Disposal Plant - Turnying Real/WTD Bit General Plant - Turnying Real/WTD Bit Subject Bit S		ant - Reuse Mtr/Installations	(2)	(2)	F TREAT	c BASE	USAGE		
Treatment & Bioposal Plant - Reuse Timenistion & Dist. Sign.       Firetart & EASE       UsadE       Firetart       C BASE       UsadE         Treatment & Bioposal Plant - Reuse Dist Reservois       5.503       65.231       65.231       65.231       65.231       55.05       5.505		ant - Pumping Equip Reclaim WTP	(1.318)	(1.318)	F TREAT	c BASE	USAGE		
Treatment & Disposal Plant - Reuse Dist Reservois.       (66.21)       (71.21)		ant - Reuse Transmission & Dist. Sys.	55,239	55,239	F TREAT	c BASE	USAGE		
Treatment & Bososal Plant - Teatment & Bososal Plant - Dire Idea (17, 139) <ul> <li>(10, 43, 950)</li> <li>(10, 43, 950)</li> <li>General Plant - Office Intime &amp; equip.</li> <li>(10, 43, 95)</li> <li>General Plant - Office Intime &amp; equip.</li> <li>(10, 43, 95)</li> <li>General Plant - Office Intime &amp; equip.</li> <li>(10, 43, 95)</li> <li>General Plant - Office Intime &amp; equip.</li> <li>(10, 43, 95)</li> <li>General Plant - Construncienter equipment</li> <li>(10, 43, 95)</li> <li>General Plant - Office Intime &amp; equip.</li> <li>(10, 43, 95)</li> <li>General Plant - Construncienter equipment</li> <li>(10, 43, 95)</li> <li>General Plant - Construncienter equipment</li> <li>(10, 43, 95)</li> <li>(10, 43, 95)</li> <li>(10, 43, 95)</li></ul>		ant - Reuse Dist Reservoirs	(68,621)	(68,621)	F TREAT	c BASE	USAGE		
Treatment & Disposal Plant - Struct and Impor Reclaim Wrr Dist Treatment & Disposal Plant - Treatment & Gisposal Plant - Treatment & Disposal Plant - Treatment & Gisposal Plant - Girer & Gisposal - Gisposal Plant - Girer & Gisposal - Gisposal Plant - Girer & Gisposal - Girer & Gisposal - Gisposal Plant - Girer & Gisposal - Girer & Gisposal - Girer & Gisposal - Gisposal Plant - Girer & Gisposal - Gisposal - Gisposal - Girer & Gisposal - Gisposal - Girer & Gisposal - Gis		Plant - umping Equip Rcl Wtr Dist	5,505	5,505	F TREAT	c BASE	USAGE		
Treatment & Disposal Plant - Treatment & disposal equip.       (10,649,660)       (10,449,66) <td></td> <td>ant - Struct and Improv Reclaim Wtr Dist</td> <td></td> <td></td> <td>F TREAT</td> <td>c BASE</td> <td>USAGE</td> <td></td> <td></td>		ant - Struct and Improv Reclaim Wtr Dist			F TREAT	c BASE	USAGE		
Treatment & Disposal Plant - Plant severs         (147, 397)         (144, 317)         (144		ant - Treatment & disposal equip.	(10.649.680)	(10.649.680)	F TREAT	c BASE	USAGE		
Tradiment & Disposal Plant - Plant sewer reclaim WTP       (2,756)		ant - Plant sewers	(147,997)	(147,997)	F TREAT	c BASE	USAGE		
Treatment & Disposal Plant - Outfall sever lines         (444)         ((		ant - Plant sewers reclaim WTP	(2.756)	(2.756)	F TRFAT	C BASE	USAGE		
Treatment & Disposal Plant - Other plant & misc. equip.         (5,13)		ant - Outfall sewer lines	(444)	(444)	F TREAT	C BASE	USAGE		
General Plant - Land & land rights         Control         Contro         Control         Control         <		ACLIN	(5.413)	(5.413)	F TRFAT	C BASE	IISAGE		
General Plant - Structures & improvements         (50,905)         (71,803)         (71,803)         (71,80,10)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810)         (71,810) <td></td> <td></td> <td>(0) ± (0)</td> <td>-</td> <td></td> <td>1000</td> <td>1000</td> <td></td> <td>TOTPLT</td>			(0) ± (0)	-		1000	1000		TOTPLT
General Part. Office furniture & equip.         (1,074,365)         (1,138)		se & immovements	(50 905)	(50 905)					TOTPLT
General Plant - Siress equipment         (1,236) <t< td=""><td></td><td>miture &amp; equip.</td><td>(1.074.955)</td><td>(1.074.955)</td><td></td><td></td><td></td><td></td><td>TOTPLT</td></t<>		miture & equip.	(1.074.955)	(1.074.955)					TOTPLT
General Plant - Transportation equipment         (540.382)         (74.381)         (74.38.04)         (74.38.04)         (74.38.04)         (74.38.04)         (74.38.04)         (74.38.04)         <		auioment	(1.258)	(1.258)					TOTPLT
General Plant - Tools, shop & garage equip.         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,178)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (34,18)         (35,22)         (35,22)         (35,22)         (35,22)         (35,32)         (		tation equipment	(540,392)	(540,392)					TOTPLT
General Plant - Laboratory equipment         (1,539)         (1,539)         (1,539)         (1,539)         (1,539)         (1,539)         (1,530)         (1,60)         (1,60)         (1,60)         (1,30)		nop & garage equip.	(34,178)	(34,178)					TOTPLT
General Plant - Power operated equipment         (74,818)         (74,18)         (74,18)         (74,18)         (74,18)         (74,18)         (74,18)         (74,18)         (74,18)         (74,18)         (74,178,04)		ry equipment	(1,539)	(1,539)					TOTPLT
General Plant - Communication equipment         (199,529)         (199,529)         (199,529)         (199,529)         (190,520)		perated equipment	(74,818)	(74,818)					TOTPLT
Ceneral Plant - Miscellareous equipment         (136)		nication equipment	(199,529)	(199,529)					TOTPLT
General Plant - Other tangible plant         (180,522)         (180,522)         (180,522)           ADJ         ADJ         (24,778,041)         (24,778,041)         (24,778,041)           TOTAL DEPRECIATION ACCRUAL         (24,778,041)         (24,778,041)         (24,778,041)		neous equipment	(136)	(136)					TOTPLT
ADJ [24,178,041] [24,178,041] TOTAL DEPRECIATION ACCRUAL (24,178,041) (24,178,041)		ngible plant	(160,522)	(160,522)					TOTPLT
(24,178,041) PRECIATION ACCRUAL (24,178,041)									TOTPLT
PRECIATION ACCRUAL (24,178,041)			(24, 178, 041)	(24, 178, 041)					
PRECIATION ACCRUAL (24,178,041)									
	TOTAL DEPRECIATION A	V ACCRUAL	(24,178,041)	(24,178,041)					

GREAT BASIN WATER COMPANY ACOS study ACOS study BR-4, Schedule 3 Cost Classification and Allocation Assignment - Sewer

Acct. No. Account Description			Activity	Functional_Cost	BASE	CUST_ACCT	REV	Internal
Rate Base Adjustments								
					-	-		
	•	I					Z	NETPLT
	393,111	393,111					MO	OMEXP
	12,742	12,742					Ψ.	NETPLT
4 Uther (Kate Case Costs)	348,011	348,011						NETPLI
	(132,154)	(132,154)					Ë	NETPLT
	2,199	2,199					ÿ	NETPLT
	(1,063,079)	(1,063,079)					Ľ	гРLТ
9 Contributions in Aid of Construction 10 Add hark: Arcrim Amort - CIAC	(16,892,947) 9.765.080	(16,892,947) 9 765 080					ž ž	NETPLI NETPLT
	(230.194)	(230.194)					Į	LT LT
	(244,959)	(244,959)					IJ	NETPLT
Sup-total	(1,032,133)	(1,032,133)						
TOTAL RATE BASE ADJ.	(7,632,153)	(7,632,153)						
TOTAL RATE BASE	60,337,205	60,337,205						
EXPENSES								
O & M Expenses								
Ommetian and Maintanana Evanance								
	101 01	102 01	L TDCAT	, DACT				
C - Labor Expense	12,791	12,791	F_IKEAI	C_BASE	USAGE			
C - Suppries P - Labor	70.349	70.349	F TREAT	c BASE	USAGE			
P - Purchased Power	383,917	383,917	F_TREAT	c_BASE	USAGE			
ST - Labor Expense	637,184	637,184	F_TREAT	c_BASE	USAGE			
ST - Chemicals	241,553	241,553		C_BASE	USAGE			
ST - Sludge Disposal ST - Lab Testino	56, 106 65 949	58, 106 65 949		C BASE	USAGE			
ST - Misc Expense	2.690	2.690	F PUMPG	c BASE	USAGE			
CA - Other	36,215	36,215	F PUMPG	BASE	USAGE			
CA - Uncollectible Accounts	33,736	33,736	F_CUSTS	c_CUST_ACCT		UNCOLL		
A&G - Labor Expense	121,785	121,785					T	LABOR
A&G - Employee Benefits	259,598	259,598					A	YOX T ILL
A&G - Management ree A&G - Accountion		091,248						TOTPLT
A&G - Legal	14,575	14,575					20	TOTPLT
A&G - Contractual Services Other	4,121	4,121					<u>10</u>	TOTPLT
A&G - Equipment Rental	197	197						TOTPLT
A&G - ITalisportation A&G - Insurance other than Group	101 810	191 810						TOTPLT
A&G - Materials and Supplies	1,815	1,815					20	TOTPLT
A&G - Amortization of Rate Case Expense	82,328	82,328					.01	TOTPLT
A&G - Miscellaneous Expense	254,801	254,801					OL	грцт
Bad Debt Increase	2,129	2,129	F_CUSIS	C CUSI ACCI		UNCOLL	F	
Sub-total	3,016,677	3,016,677					2	
TOTAL O & M EXPENSES	3,016,677	3,016,677						
Labor Expenses								
Labor Expenses								
Collection	9,762	9,762					8	LLEC_OM
Pumping	53,693	53,693						
	400,313	400,319 02 050						TS OM
Sub-total	642,724	642,724					8	
TOTAL LABOR EXPENSES	642,724	642,724						

Page 3 of 5

GREAT BASIN WATER COMPANY ACOS Study BR4, Schedule 3 Cost Classification and Allocation Assignment - Sewer

Internal TOTPLT REV CUST\_ACCT BASE Functional\_Cost Activity 973 973 Account Description Plant Intangible Plant - Organization Depreciation Expense Acct. No.

		973	973					TOTPLT
		'	•					TOTPLT
389.1 Intangible Plant - Other plant & misc. equip.		6,880	6,880					TOTPLT
353.2 Collection Plant - Land & land rights		'	•	F COLLC	c BASE	USAGE		
	its		•	F COLLC	c_BASE	USAGE		
	ient	'	•	F COLLC	c BASE	USAGE		
		58.679	58.679	F COLLC	c_BASE	USAGE		
361.2 Collection Plant - Collection sewers- gravity		105,150	105,150	F COLLC	c BASE	USAGE		
		4,069	4.069	F COLLC	c_BASE	USAGE		
	res	108	108	F COLLC	c BASE	USAGE		
		44.744	44.744	F COLLC	c_CUST_ACCT		CUST	
		5.291	5.291	F COLLC	c BASE	USAGE		
	Suc				C BASE	IISAGE		
	2	203	203			LISAGE		
		2	3		C BASE			
	ovements	7.945	7.945	F PUMPG	C BASE	USAGE		
	equipment	6.828	6.828	F PUMPG	C BASE	USAGE		
				F PUMPG	c BASE	USAGE		
	ent	43.768	43.768	F PUMPG	c_BASE	USAGE		
	c. equip.	30	68		c_BASE	USAGE		
	iahts	. '		F TREAT	c BASE	USAGE		
	improvements (Treatmi	17.896	17.896	F TREAT	c BASE	USAGE		
354.5 Treatment & Disposal Plant - Structures & improvements (Reclain	improvements (Reclain			F TREAT	c BASE	USAGE		
	ation equipment		•	F TREAT	c_BASE	USAGE		
	stallations		•	F TREAT	c_BASE	USAGE		
371.5 Treatment & Disposal Plant - Pumping Equip Reclaim WTP	iip Reclaim WTP	83	83	F TREAT	c BASE	USAGE		
	mission & Dist. Sys.	41,009	41,009	F_TREAT	c_BASE	USAGE		
	eservoirs	'	'	F_TREAT	c_BASE	USAGE		
371.6 PTreatment & Disposal Plant - umping Equip Rcl Wtr Dist	iip Rcl Wtr Dist	'	'	F_TREAT	c_BASE	USAGE		
	prov Reclaim Wtr Dist	'	'	F_TREAT	c_BASE	USAGE		
-	disposal equip.	574,049	574,049	F_TREAT	c_BASE	USAGE		
		7,726	7,726	F_TREAT	c_BASE	USAGE		
-	reclaim WTP	178	178	F_TREAT	c_BASE	USAGE		
	lines	'	'	F_TREAT	c_BASE	USAGE		
389.4 Treatment & Disposal Plant - Other plant & misc. equip.	misc. equip.	662	662	F_TREAT	c_BASE	USAGE		
353.7 General Plant - Land & land rights			•					TOTPLT
354.7 General Plant - Structures & improvements		(290,198)	(290,198)					TOTPLT
390.7 General Plant - Office furniture & equip.		1,177	1.177					TOTPLT
390.7 General Plant - Stores equipment								TOTPLT
		138.313	138.313					TOTPLT
	Ö	5,170	5,170					TOTPLT
394.7 General Plant - Laboratory equipment		519	519					TOTPLT
		8,057	8,057					TOTPLT
396.7 General Plant - Communication equipment		75,850	75,850					TOTPLT
397.7 General Plant - Miscellaneous equipment		1,474	1,474					TOTPLT
398.7 General Plant - Other tangible plant			•					TOTPLT
ADJ ADJ		45,758	45,758					TOTPLT
0.4 4-4-1		042 400	012 400					

# GREAT BASIN WATER COMPANY ACOS Study BR-4, Schedule 3 Cost Classification and Allocation Assignment - Sewer

			ALLIVILY		1000			
Taxes Other Than Income Taxes								
TOTI FICA	48,469	48,469						LABOR
TOTI Federal Unemployment Tax	364	364						LABOR
TOTI State Unemployment Tax	6,445	6,445						LABOR
TOTI Other Payroll Taxes	27,946	27,946						TOTPLT
TOTI Gross Receipts Taxes	4,592	4,592						TOTPLT
TOTI Real Estate Taxes	•	•						TOTPLT
Utility/Commission Taxes	14,303	14,303						TOTPLT
TOTI Other General Taxes	3,189	3,189						TOTPLT
TOTI ADJ	144,422	144,422						TOTPLT
TOTI PUCN Mill Tax Increase	1,295	1,295						TOTPLT
Sub-total	251,026	251,026						
TOTAL TAXES OTHER THAN INCOME TAX	251,026	251,026						
Income Taxes								
Income Taxes	141,092	141,092						RTBASE
TOTAL	141,092	141,092						
Operating Revenues								
Sewer Revenues	4,837,085		F_REVNU	c_REV		0	SALES	
Other Revenues	55,739		REVNU	c_REV		0	SALES	
Sub-total	4,892,824	4,892,824						

# GREAT BASIN WATER COMPANY ACOS Study BR-4, Schedule 4 Summary of External Allocators - Sewer

ALLOCATORS       ALLOCATORS       BLLS       P1       No. of Bills       93,058       56,99%       43,02%         BLLS       1       No. of Bills       CUST_ACCT       5,857       75,45%       24,55%         CUST_SERV       2       No. of Customers       CUST_ACCT       5,857       75,45%       24,55%         CUST_SERV       3       Customers       CUST_ACCT       5,857       75,45%       24,55%         UNCOLL       4       0       Uncollectible Expense       CUST_ACCT       5,857       75,45%       26,159         UNCOLL       4       0       Uncollectible Expense       CUST_ACCT       162,383       135,464       16,58%         UNCOLL       4       0.002       165,383       155,464       0.01%       0.01%         USAGE       5       Average Daly Flow (MSD)       BASE       0.02       0.01%       0.01%         USAGE       6       Current Revenues       REV       54,502,405       51,405       50,49%	Name	No.	Description		Total	Residential	Non-Residential
1         No. of Bils         CUST_ACCT         93,058         56,95%         53,028         56,95%         53,028         55,028         55,028         55,028         55,028         55,028         55,028         55,024         55,0	ALLOCATORS						
93,058         53,028         53,028         53,028           2         No. of Customers         5,857         75,45%         4,419           3         Customer Service (Weighted Customer)         CUST_ACCT         5,857         75,45%         4,419           4         Uncollectible Expense         CUST_ACCT         5,857         7,545%         4,419           5         Average Daily Flow (MGD)         BASE         0,02         4,619         0,01           6         Current Revenues         REV         \$4,50,245         \$3,04,805%         \$1,4	BILLS	-		CUST ACCT		56.98%	43.02%
2         No. of Customers         CUST_ACCT         5,857         75,45%         4,19           3         Customer Service (Weighted Customer)         CUST_ACCT         5,857         7,545%         4,419           4         Uncollectible Expense         CUST_ACCT         16,2,383         135,464         14,19           5         Average Daily Flow (MGD)         BASE         0.02         4,61%         0.01           6         Current Revenues         REV         \$4,50,246         \$3,004,805         \$1,4					93,058	53,028	40,030
5,857     4,419       3     Customer Service (Weighted Customer)     CUST_ACCT       4     Uncollectible Expense     16,2,383       5     Amountable       5     Amountable       5     Amountable       6     Current Revenues       6     Current Revenues	CUST	2		CUST_ACCT		75.45%	24.55%
3         Customer Service (Weighted Customer)         CUST_ACCT         5,857         75.45%         4.419           4         Unnollectible Expense         CUST_ACCT         162,383         135.464         135.464           5         Average Daily Flow (MGD)         BASE         0.02         4351%         0.01           6         Current Revenues         REV         \$4520.245         \$3.024.805         \$1,4					5,857	4,419	1,438
L         4         Uncollectble Expense         CUST_ACCT         4.419         4.419           L         4         Uncollectble Expense         0.02         83.42%         4.419         162.383         153.46%         162.46%         163.46%         164.41% <td>CUST_SERV</td> <td>e</td> <td></td> <td>CUST_ACCT</td> <td></td> <td>75.45%</td> <td>24.55%</td>	CUST_SERV	e		CUST_ACCT		75.45%	24.55%
L         4         Uncollectble Expense         CUST_ACCT         83.42%           5         Average Daily Flow (MGD)         BASE         0.02         495.1%           6         Current Revenues         REV         \$4,520,245         \$3.04,805         \$1,4					5,857	4,419	1,438
162,383         155,383         135,464           5         Average Daily Flow (MGD)         BASE         4951%           6         Current Revenues         REV         \$4,520,245         53,024,805         \$1,4	UNCOLL	4		CUST ACCT		83.42%	16.58%
5         Average Daily Flow (MGD)         BASE         49.51%           6         Current Revenues         REV         84,520,245         53.024.805         51,4					162,383	135,464	26,919
6         Current Revenues         REV         6.02         0.01           6         Current Revenues         REV         \$4,520,245         \$3,024,805         \$1,4	USAGE	5	Average Daily Flow (MGD)	BASE		49.51%	50.49%
6 Current Revenues REV \$4,520,245 \$3,024,805 \$1,4					0.02	0.01	0.01
\$3,024,805	SALES	9	Current Revenues	REV		66.92%	33.08%
					\$4,520,245	\$3,024,805	\$1,495,439

GREAT BASIN POWER COMPANY ACOS Study BR-4, Schedule 5 Summary of Internal Allocators - Sewer

Name	No. Description	Total	Residential	Non- Residential
ΤΟΤΡLΤ	1 Total Plant in Service	43,791,317 100.00%	22,133,859 50.54%	21,657,459 49.46%
NETPLT	2 Net Plant in Service	67,969,358 100.00%	34,204,569 50.32%	33,764,789 49.68%
RTBASE	3 Rate Base	60,337,205 100.00%	30,285,885 50.19%	30,051,321 49.81%
LABOR	4 Labor Expenses	642,724 100.00%	334,009 51.97%	308,715 48.03%
OMEXP	5 O&M Expenses	3,016,677 100.00%	1,526,373 50.60%	1,490,304 49.40%
COLLEC_OM	6 Collection O&M Expenses	36,011 100.00%	17,830 49.51%	18,181 50.49%
PUMPG_OM	7 Pumping O&M Expenses	2,602,329 100.00%	1,316,419 50.59%	1,285,910 49.41%
TREAT_OM	8 Treatment O&M Expenses	1,005,482 100.00%	497,844 49.51%	507,637 50.49%
CUSTS_OM	9 Customer Accounts Expenses	69,951 100.00%	46,075 65.87%	23,876 34.13%

				_		RES Resider		
No.	Account Description	Alloc. Factor	Amount	-	BASE	CUST_ACCT	REV	TOTAL
RATE B	ASE			-				
Plant-in	Service			-				
				-				
351.1	Plant	TOTPLT		-				
352.1	Intangible Plant - Organization Intangible Plant - Franchises	TOTPLT	- 385,998	-	- 183,522	- 11,577	-	- 195,099
389.1	Intangible Plant - Planchises Intangible Plant - Other plant & misc. equip.	TOTPLT	365,996	-	165,522	11,577	-	195,099
353.2	Collection Plant - Land & land rights	USAGE		-	_	_	_	_
354.2	Collection Plant - Structures & improvements	USAGE	6,225		3.082	-	-	3,082
355.2	Collection Plant - Power generation equipment	USAGE	-			-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	1,911,587	-	946,484	-	-	946,484
361.2	Collection Plant - Collection sewers- gravity	USAGE	10,209,152	-	5,054,857	-	-	5,054,857
361.2	Collection Plant - Manholes	USAGE	674,487	-	333,959	-	-	333,959
362.2	Collection Plant - Special collecting structures	USAGE	3,734	-	1,849	-	-	1,849
363.2	Collection Plant - Services to customers	CUST	1,560,293	-	-	1,177,213	-	1,177,213
364.2	Collection Plant - Flow measuring devices	USAGE	79,359	-	39,293	-	-	39,293
365.2	Collection Plant - Flow measuring installations	USAGE	-	-	-	-	-	-
389.2	Collection Plant - Other plant & misc. equip.	USAGE	5,687	-	2,816	-	-	2,816
353.3	System Pumping Plant - Land & land rights	USAGE	-	-	-	-	-	-
354.3	System Pumping Plant - Structures & improvements	USAGE	2,759,909	-	1,366,514	-	-	1,366,514
354.3	System Pumping Plant - Power generation equipment	USAGE	613,112	-	303,570	-	-	303,570
370.3	System Pumping Plant - Receiving wells	USAGE		-		-	-	
371.3	System Pumping Plant - Pumping equipment	USAGE	1,520,605	-	752,897	-	-	752,897
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	1,087	-	538	-	-	538
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	- 734,971	-	363,906	-	-	262.006
354.4 354.5	Treatment & Disposal Plant - Structures & improvements (Treatment) Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE USAGE		-	363,906 810,374	-	-	363,906 810,374
355.4	Treatment & Disposal Plant - Structures & Improvements (Rectaint) Treatment & Disposal Plant - Power generation equipment	USAGE	1,636,690	-	010,374	-	-	010,374
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	- 19	2	10			10
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	2,075	-	1,027	_	_	1,027
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	273,609	-	135,472	-	-	135,472
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	646,049		319.878	-	-	319,878
371.6	Treatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	2,299		1,138	-	-	1,138
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-,	-	-	-	-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	16,269,413	-	8,055,474	-	-	8,055,474
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	314,147	-	155,543	-	-	155,543
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	5,003	-	2,477	-	-	2,477
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	3,811	-	1,887	-	-	1,887
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	18,526	-	9,173	-	-	9,173
353.7	General Plant - Land & land rights	TOTPLT	653,590	-	310,748	19,602	-	330,350
354.7	General Plant - Structures & improvements	TOTPLT	137,939	-	65,583	4,137	-	69,720
390.7	General Plant - Office furniture & equip.	TOTPLT	1,238,907	-	589,036	37,156	-	626,192
390.7	General Plant - Stores equipment	TOTPLT	1,783	-	848	53	-	901
391.7	General Plant - Transportation equipment	TOTPLT	754,294	-	358,628	22,622	-	381,250
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	85,943	-	40,862	2,578	-	43,439
394.7 395.7	General Plant - Laboratory equipment	TOTPLT TOTPLT	7,782 262,317	-	3,700 124,718	233 7,867	-	3,933 132,585
395.7 396.7	General Plant - Power operated equipment General Plant - Communication equipment	TOTPLT	262,317 766,625	2	364,490	22,992	-	387,482
396.7	General Plant - Communication equipment General Plant - Miscellaneous equipment	TOTPLT	15,002	-	7,133	22,992 450	-	367,462 7,583
397.7	General Plant - Other tangible plant	TOTPLT	229,288	-	109,015	6,877	-	115,891
ADJ	ADJ	TOTPLT	-	-				-
		-	43,791,317	-	20,820,501	1,313,357	-	22,133,859
	TOTAL PLANT-IN-SERVICE		43,791,317	-	20,820,501	1,313,357	-	22,133,859

				NRE Non-Resi		
No. RATE E	Account Description BASE	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Plant-ir	) Service					
351.1	Plant Intangible Plant - Organization	TOTPLT				
352.1	Intangible Plant - Organization Intangible Plant - Franchises	TOTPLT	- 187,132	3,767	-	- 190.899
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	107,132	3,707		130,033
353.2	Collection Plant - Land & land rights	USAGE	_	_	_	
354.2	Collection Plant - Structures & improvements	USAGE	3,143	-	_	3,143
355.2	Collection Plant - Power generation equipment	USAGE	0,140	-	-	0,140
360.2	Collection Plant - Collection sewers- force	USAGE	965,103	-	-	965,103
361.2	Collection Plant - Collection sewers- gravity	USAGE	5,154,295	-	-	5,154,295
361.2	Collection Plant - Manholes	USAGE	340,528	-	-	340,528
362.2	Collection Plant - Special collecting structures	USAGE	1,885	-	-	1,885
363.2	Collection Plant - Services to customers	CUST		383,080	-	383,080
364.2	Collection Plant - Flow measuring devices	USAGE	40,066	-	-	40,066
365.2	Collection Plant - Flow measuring installations	USAGE			-	
389.2	Collection Plant - Other plant & misc. equip.	USAGE	2,871	-	-	2,871
353.3	System Pumping Plant - Land & land rights	USAGE	2,071	-	-	2,071
354.3	System Pumping Plant - Structures & improvements	USAGE	1,393,395	-	-	1,393,395
354.3	System Pumping Plant - Power generation equipment	USAGE	309,542	-	-	309,542
370.3	System Pumping Plant - Receiving wells	USAGE		-	-	
371.3	System Pumping Plant - Pumping equipment	USAGE	767,708	-	-	767,708
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	549	-	-	549
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	-	-	-	-
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	371,065	-	-	371,065
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	826,315	-	-	826,315
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE		-	-	
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	10	-	-	10
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	1,047		-	1,047
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	138,137	-	-	138,137
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	326,171	-	-	326,171
371.6	Treatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	1,161	-	-	1,161
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-		-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	8,213,939	-	-	8,213,939
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	158,603	-	-	158,603
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	2,526	-	-	2,526
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	1,924		-	1,924
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	9,353	-	-	9,353
353.7	General Plant - Land & land rights	TOTPLT	316,861	6,379	-	323,240
354.7	General Plant - Structures & improvements	TOTPLT	66,873	1,346	-	68,219
390.7	General Plant - Office furniture & equip.	TOTPLT	600,623	12,091	-	612,715
390.7	General Plant - Stores equipment	TOTPLT	864	12,001	-	882
391.7	General Plant - Transportation equipment	TOTPLT	365.682	7,362	-	373,044
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	41,665	839	-	42,504
394.7	General Plant - Laboratory equipment	TOTPLT	3,773	76	-	3,849
395.7	General Plant - Power operated equipment	TOTPLT	127,172	2,560	-	129,732
396.7	General Plant - Communication equipment	TOTPLT	371,661	7,482	-	379,142
397.7	General Plant - Miscellaneous equipment	TOTPLT	7,273	146		7,419
398.7	General Plant - Other tangible plant	TOTPLT	111,159	2,238		113,397
ADJ	ADJ	TOTPLT		2,200	-	
, 100	, LU	-	21,230,075	427,384	-	21,657,459
	TOTAL PLANT-IN-SERVICE		21,230,075	427,384	-	21,657,459

				тот	AL	
No. RATE E	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
NATEL						
Plant-ir	n Service					
	Plant					
351.1	Intangible Plant - Organization	TOTPLT	-	-	-	-
352.1	Intangible Plant - Franchises	TOTPLT	370,654	15,344	-	385,998
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	-	-	-	-
353.2	Collection Plant - Land & land rights	USAGE	-	-	-	-
354.2	Collection Plant - Structures & improvements	USAGE	6,225	-	-	6,225
355.2	Collection Plant - Power generation equipment	USAGE	-	-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	1,911,587	-	-	1,911,587
361.2	Collection Plant - Collection sewers- gravity	USAGE	10,209,152	-	-	10,209,152
361.2	Collection Plant - Manholes	USAGE	674,487	-	-	674,487
362.2	Collection Plant - Special collecting structures	USAGE	3,734	-	-	3,734
363.2	Collection Plant - Services to customers	CUST	-	1,560,293	-	1,560,293
364.2	Collection Plant - Flow measuring devices	USAGE	79,359	-	-	79,359
365.2	Collection Plant - Flow measuring installations	USAGE	-	-	-	-
389.2	Collection Plant - Other plant & misc. equip.	USAGE	5,687	-	-	5,687
353.3	System Pumping Plant - Land & land rights	USAGE	-	-	-	-
354.3	System Pumping Plant - Structures & improvements	USAGE	2,759,909	-	-	2,759,909
354.3	System Pumping Plant - Power generation equipment	USAGE	613,112	-	-	613,112
370.3	System Pumping Plant - Receiving wells	USAGE	-	-	-	-
371.3	System Pumping Plant - Pumping equipment	USAGE	1,520,605	-	-	1,520,605
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	1,087	-	-	1,087
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	-	-	-	-
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	734,971	-	-	734,971
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	1,636,690	-	-	1,636,690
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE	-	-	-	-
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	19	-	-	19
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	2,075	-	-	2,075
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	273,609	-	-	273,609
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	646,049	-	-	646,049
371.6	Treatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	2,299	-	-	2,299
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-	-	-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	16,269,413	-	-	16,269,413
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	314,147	-	-	314,147
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	5,003	-	-	5,003
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	3,811	-	-	3,811
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	18,526	-	-	18,526
353.7	General Plant - Land & land rights	TOTPLT	627,610	25,981	-	653,590
354.7	General Plant - Structures & improvements	TOTPLT	132,456	5,483	-	137,939
390.7	General Plant - Office furniture & equip.	TOTPLT	1,189,659	49,248	-	1,238,907
390.7	General Plant - Stores equipment	TOTPLT	1,712	71	-	1,783
391.7	General Plant - Transportation equipment	TOTPLT	724,310	29,984	-	754,294
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	82,527	3,416	-	85,943
394.7	General Plant - Laboratory equipment	TOTPLT	7,472	309	-	7,782
395.7	General Plant - Power operated equipment	TOTPLT	251,890	10,427	-	262,317
396.7	General Plant - Communication equipment	TOTPLT	736,151	30,474	-	766,625
397.7	General Plant - Miscellaneous equipment	TOTPLT	14,406	596	-	15,002
398.7	General Plant - Other tangible plant	TOTPLT	220,174	9,114	-	229,288
ADJ	ADJ	TOTPLT	-	-	-	-
		-	42,050,576	1,740,741	-	43,791,317
	TOTAL PLANT-IN-SERVICE		42,050,576	1,740,741	-	43,791,317

						RES Resider		
No.	Account Description	Alloc. Factor	Amount	-	BASE	CUST_ACCT	REV	TOTAL
Accum	ulated Reserve for Depreciation			-				
	Plant			-				
351.1	Intangible Plant - Organization	TOTPLT	-	-	-	-	-	-
352.1	Intangible Plant - Franchises	TOTPLT	(385,998)	-	(183,522)	(11,577)	-	(195,099)
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	-	-	-	-	-	-
353.2	Collection Plant - Land & land rights	USAGE	-	-	-	-	-	-
354.2	Collection Plant - Structures & improvements	USAGE	(1,253)	-	(621)	-	-	(621)
355.2	Collection Plant - Power generation equipment	USAGE	-	-	-	-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	(1,686,022)	-	(834,800)	-	-	(834,800)
361.2	Collection Plant - Collection sewers- gravity	USAGE	(7,379,352)	-	(3,653,738)	-	-	(3,653,738)
361.2	Collection Plant - Manholes	USAGE	(120,583)	-	(59,704)	-	-	(59,704)
362.2	Collection Plant - Special collecting structures	USAGE	(1,073)	-	(531)	-	-	(531)
363.2 364.2	Collection Plant - Services to customers	CUST	(283,067)	-	-	(213,569)		(213,569)
364.2 365.2	Collection Plant - Flow measuring devices Collection Plant - Flow measuring installations	USAGE USAGE	(44,486)	-	(22,026)	-	-	(22,026)
365.2 389.2	Collection Plant - Flow measuring installations Collection Plant - Other plant & misc. equip.	USAGE	(4,072)		(2,016)	-		(2,016)
353.3	System Pumping Plant - Land & land rights	USAGE	(4,072)	-	(2,010)	-	-	(2,010)
354.3	System Pumping Plant - Structures & improvements	USAGE	(963,335)	-	(476,976)			(476,976)
355.3	System Pumping Plant - Power generation equipment	USAGE	(60,954)	-	(30,180)			(30,180)
370.3	System Pumping Plant - Receiving wells	USAGE	(00,334)	-	(00,100)	_	_	(30,100)
371.3	System Pumping Plant - Pumping equipment	USAGE	30,040		14,874	_	-	14,874
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	(707)	-	(350)	-	-	(350)
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	()	-	(000)	-	-	(000)
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	14,010	-	6,937	-	-	6,937
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	(337,466)	-	(167,090)	-	-	(167,090)
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE	-	-	-	-	-	-
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	(5)	-	(3)	-	-	(3)
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	(1,318)	-	(653)	-	-	(653)
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	55,239	-	27,351	-	-	27,351
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	(68,621)	-	(33,977)	-	-	(33,977)
371.6	PTreatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	5,505	-	2,726	-	-	2,726
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-	-	-	-	-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	(10,649,680)	-	(5,272,976)	-	-	(5,272,976)
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	(147,997)	-	(73,278)	-	-	(73,278)
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	(2,756)	-	(1,365)	-	-	(1,365)
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	(444)	-	(220)	-	-	(220)
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	(5,413)	-	(2,680)	-	-	(2,680)
353.7	General Plant - Land & land rights	TOTPLT	-	-	-	-	-	-
354.7	General Plant - Structures & improvements	TOTPLT	(50,905)	-	(24,202)	(1,527)	-	(25,729)
390.7	General Plant - Office furniture & equip.	TOTPLT	(1,074,955)	-	(511,085)	(32,239)	-	(543,325)
390.7	General Plant - Stores equipment	TOTPLT	(1,258)	-	(598)	(38)	-	(636)
391.7	General Plant - Transportation equipment	TOTPLT	(540,392)	-	(256,928)	(16,207)	-	(273,135)
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	(34,178)	-	(16,250)	(1,025)	-	(17,275)
394.7 395.7	General Plant - Laboratory equipment General Plant - Power operated equipment	TOTPLT TOTPLT	(1,539)	-	(732)	(46)	-	(778)
395.7	General Plant - Communication equipment	TOTPLT	(74,818) (199,529)	-	(35,572) (94,866)	(2,244) (5,984)	-	(37,816) (100,850)
396.7 397.7	General Plant - Communication equipment General Plant - Miscellaneous equipment	TOTPLT	(199,529) (136)	-	(94,000) (65)	(5,964) (4)	-	(100,850) (69)
398.7	General Plant - Other tangible plant	TOTPLT	(160,522)	-	(76,320)	(4)	-	(81,134)
ADJ	ADJ	TOTPLT	(100,322)	-	(70,320)	(4,014)	-	(01,134)
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			- (24,178,041)	-	- (11,781,437)	(289,274)	-	- (12,070,710)
				-	• • • •	,	_	
	TOTAL DEPRECIATION ACCRUAL		(24,178,041)	-	(11,781,437)	(289,274)	-	(12,070,710)
	NET PLANT		19,613,277	####	32,601,938	1,602,631	-	34,204,569

GBWC\_2024 Rate Case\_Vol. 5, Page 92 of 389

				NRE Non-Resi		
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Accum	ulated Reserve for Depreciation					
	Plant					
351.1	Intangible Plant - Organization	TOTPLT	-	-	-	-
352.1	Intangible Plant - Franchises	TOTPLT	(187,132)	(3,767)	-	(190,899)
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	-	-	-	-
353.2	Collection Plant - Land & land rights	USAGE	-	-	-	-
354.2	Collection Plant - Structures & improvements	USAGE	(633)	-	-	(633)
355.2	Collection Plant - Power generation equipment	USAGE	-	-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	(851,222)		-	(851,222)
361.2	Collection Plant - Collection sewers- gravity	USAGE	(3,725,613)		-	(3,725,613)
361.2	Collection Plant - Manholes	USAGE	(60,879)		-	(60,879)
362.2	Collection Plant - Special collecting structures	USAGE	(542)		-	(542)
363.2	Collection Plant - Services to customers	CUST	-	(69,498)	-	(69,498)
364.2	Collection Plant - Flow measuring devices	USAGE	(22,460)	-	-	(22,460)
365.2	Collection Plant - Flow measuring installations	USAGE	-	-	-	-
389.2	Collection Plant - Other plant & misc. equip.	USAGE	(2,056)	-	-	(2,056)
353.3	System Pumping Plant - Land & land rights	USAGE	-	-	-	-
354.3	System Pumping Plant - Structures & improvements	USAGE	(486,359)		-	(486,359)
355.3	System Pumping Plant - Power generation equipment	USAGE	(30,774)	-	-	(30,774)
370.3	System Pumping Plant - Receiving wells	USAGE		-	-	
371.3	System Pumping Plant - Pumping equipment	USAGE	15,166	-	-	15,166
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	(357)	-	-	(357)
353.4	Treatment & Disposal Plant - Land & land rights	USAGE		-	-	
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	7,073	-	-	7,073
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	(170,376)	-	-	(170,376)
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE	-	-	-	-
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	(3)		-	(3)
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	(665)	-	-	(665)
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	27,889	-	-	27,889
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	(34,645)	-	-	(34,645)
371.6	PTreatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	2,779	-	-	2,779
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-	-	-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	(5,376,704)		-	(5,376,704)
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	(74,719)		-	(74,719)
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	(1,392)		-	(1,392)
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	(224)		-	(224)
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	(2,733)	-	-	(2,733)
353.7	General Plant - Land & land rights	TOTPLT	-	-	-	- (DE 17E)
354.7	General Plant - Structures & improvements	TOTPLT	(24,679)		-	(25,175)
390.7 390.7	General Plant - Office furniture & equip.	TOTPLT	(521,139)		-	(531,630)
390.7	General Plant - Stores equipment	TOTPLT	(610)		-	(622)
391.7 393.7	General Plant - Transportation equipment	TOTPLT TOTPLT	(261,983)		-	(267,257)
393.7 394.7	General Plant - Tools, shop & garage equip.		(16,569)	, ,	-	(16,903)
394.7 395.7	General Plant - Laboratory equipment General Plant - Power operated equipment	TOTPLT TOTPLT	(746)	· · ·	-	(761)
395.7 396.7	General Plant - Power operated equipment General Plant - Communication equipment	TOTPLT	(36,272) (96,732)			(37,002) (98,679)
396.7	General Plant - Communication equipment	TOTPLT	(96,732) (66)	· · · /	-	,
397.7	General Plant - Miscellaneous equipment General Plant - Other tangible plant	TOTPLT	· · ·	· · /	-	(67)
398.7 ADJ	ADJ	TOTPLT	(77,821) -	-	-	(79,388)
			######################################	(94,133)	-	(12,107,331)
	TOTAL DEPRECIATION ACCRUAL		##########	(94,133)	-	(12,107,331)
	NET PLANT		33,243,273	521,517	-	33,764,789

				тот	AL.	
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Accumu	lated Reserve for Depreciation					
	Plant					
351.1	Intangible Plant - Organization	TOTPLT	-	-	-	-
352.1	Intangible Plant - Franchises	TOTPLT	(370,654)	(15,344)	-	(385,998)
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	-	-	-	-
353.2	Collection Plant - Land & land rights	USAGE	-	-	-	-
354.2	Collection Plant - Structures & improvements	USAGE	(1,253)	-	-	(1,253)
355.2	Collection Plant - Power generation equipment	USAGE	-	-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	(1,686,022)		-	(1,686,022)
361.2	Collection Plant - Collection sewers- gravity	USAGE	(7,379,352)		-	(7,379,352)
361.2	Collection Plant - Manholes	USAGE	(120,583)		-	(120,583)
362.2	Collection Plant - Special collecting structures	USAGE	(1,073)		-	(1,073)
363.2	Collection Plant - Services to customers	CUST	-	(283,067)	-	(283,067)
364.2	Collection Plant - Flow measuring devices	USAGE	(44,486)	-	-	(44,486)
365.2	Collection Plant - Flow measuring installations	USAGE	-	-	-	-
389.2	Collection Plant - Other plant & misc. equip.	USAGE	(4,072)	-	-	(4,072)
353.3	System Pumping Plant - Land & land rights	USAGE	-	-	-	-
354.3	System Pumping Plant - Structures & improvements	USAGE	(963,335)	-	-	(963,335)
355.3	System Pumping Plant - Power generation equipment	USAGE	(60,954)	-	-	(60,954)
370.3	System Pumping Plant - Receiving wells	USAGE	-	-	-	-
371.3	System Pumping Plant - Pumping equipment	USAGE	30,040	-	-	30,040
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	(707)	-	-	(707)
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	-	-	-	-
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	14,010	-	-	14,010
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	(337,466)	-	-	(337,466)
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE	-	-	-	-
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	(5)	-	-	(5)
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	(1,318)	-	-	(1,318)
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	55,239	-	-	55,239
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	(68,621)	-	-	(68,621)
371.6	PTreatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	5,505	-	-	5,505
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-	-	-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	(10,649,680)	-	-	(10,649,680)
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	(147,997)	-	-	(147,997)
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	(2,756)	-	-	(2,756)
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	(444)	-	-	(444)
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	(5,413)	-	-	(5,413)
353.7	General Plant - Land & land rights	TOTPLT	-	-	-	-
354.7	General Plant - Structures & improvements	TOTPLT	(48,881)	(2,023)	-	(50,905)
390.7	General Plant - Office furniture & equip.	TOTPLT	(1,032,225)	(42,730)	-	(1,074,955)
390.7	General Plant - Stores equipment	TOTPLT	(1,208)	,	-	(1,258)
391.7	General Plant - Transportation equipment	TOTPLT	(518,911)	, ,	-	(540,392)
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	(32,819)	(1,359)	-	(34,178)
394.7	General Plant - Laboratory equipment	TOTPLT	(1,478)		-	(1,539)
395.7	General Plant - Power operated equipment	TOTPLT	(71,844)	· · ·	-	(74,818)
396.7	General Plant - Communication equipment	TOTPLT	(191,598)		-	(199,529)
397.7	General Plant - Miscellaneous equipment	TOTPLT	(131)		-	(136)
398.7	General Plant - Other tangible plant	TOTPLT	(154,141)	. ,	-	(160,522)
ADJ	ADJ	TOTPLT		-	-	(
			(23,794,634)	(383,407)	-	(24,178,041)
	TOTAL DEPRECIATION ACCRUAL		(23,794,634)	(383,407)	-	(24,178,041)
	NET PLANT		65,845,210	2,124,148	-	67,969,358

				-		RES Resider		
No.	Account Description	Alloc. Factor	Amount	-	BASE	CUST_ACCT	REV	TOTAL
Rate B	ase Adjustments			-				
	Additionsand Deductions			-				
2	Cash Working Capital (Sched. G-5)	OMEXP	393,111	-	187,765	11,140	-	198,905
3	Accum. Deferred Income Taxes	NETPLT	12,742	-	5,873	665	-	6,538
4	Other (Rate Case Costs)	NETPLT	348,011	-	160,386	18,171	-	178,557
5	Other (Oth Deferred Chgs)	NETPLT	410,038	-	188,972	21,410	-	210,382
6	Customer Advances for Constr.	NETPLT	(132,154)	-	(60,905)	(6,900)	-	(67,805)
7	Other Deferred Credits-Regulatory	NETPLT	2,199	-	1,013	115	-	1,128
8 9	Accum. Deferred Income Taxes Contributions in Aid of Construction	NETPLT	(1,063,079)	-	(489,936)	(55,507)	-	(545,443) (8,667,406)
9 10	Add back: Accum, Amort CIAC	NETPLT NETPLT	(16,892,947) 9,765,080	-	(7,785,361) 4,500,380	(882,045) 509,872	-	(8,667,406) 5,010,252
10	Other (Rate Case Amort)	NETPLT	(230,194)	-	(106,088)	(12,019)		(118,108)
	Sub-total		(7,632,153)	-	(3,510,794)	(407,889)	-	(3,918,684)
	TOTAL RATE BASE ADJ.		(7,632,153)	-	(3,510,794)	(407,889)	-	(3,918,684)
TOTAL I	RATE BASE		11,981,124	- ####	29,091,143	1,194,742	-	30,285,885
EXPEN				-				
EAFEN	1923			-				
0 8 M	Expanses			-				
ΟαIVI	Expenses			-				
	Operation and Maintenance Expenses			-				
0	C - Labor Expense	USAGE	12,791	-	6,333	_	-	6,333
Ő	C - Supplies	USAGE	23,220	-	11,497	-	-	11,497
0	P - Labor	USAGE	70,349	-	34,832	-	-	34,832
0	P - Purchased Power	USAGE	383,917	-	190,089	-	-	190,089
0	ST - Labor Expense	USAGE	637,184	-	315,489	-	-	315,489
0	ST - Chemicals	USAGE	241,553	-	119,600	-	-	119,600
0	ST - Sludge Disposal	USAGE	58,106	-	28,770	-	-	28,770
0	ST - Lab Testing	USAGE	65,949	-	32,653	-	-	32,653
0	ST - Misc Expense	USAGE	2,690	-	1,332	-	-	1,332
0	CA - Other	USAGE	36,215	-	17,931	-	-	17,931
0 0	CA - Uncollectible Accounts	UNCOLL	33,736 121,785	-	- 55,922	28,143 7,367	-	28,143 63,289
0	A&G - Labor Expense A&G - Employee Benefits	LABOR LABOR	259,598	-	55,922 119,203	15,704	-	134,907
0	A&G - Management Fee	TOTPLT	691,248	-	328,652	20,731		349,384
0	A&G - Accounting	TOTPLT		-	520,052	20,751	_	- 040,004
0	A&G - Legal	TOTPLT	14,575	-	6,930	437	-	7,367
0	A&G - Contractual Services Other	TOTPLT	4,121	-	1,959	124	-	2,083
0	A&G - Equipment Rental	TOTPLT	197	-	94	6	-	100
0	A&G - Transportation	TOTPLT	49,888	-	23,719	1,496	-	25,215
0	A&G - Insurance other than Group	TOTPLT	191,810	-	91,196	5,753	-	96,948
0	A&G - Materials and Supplies	TOTPLT	1,815	-	863	54	-	917
0	A&G - Amortization of Rate Case Expense	TOTPLT	82,328	-	39,143	2,469	-	41,612
0	A&G - Miscellaneous Expense	TOTPLT	254,801	-	121,145	7,642	-	128,786
0 0	Bad Debt Increase ADJ	UNCOLL TOTPLT	2,729	-	(106 466)	2,277	-	2,277
0	Sub-total	IOIFLI	(223,927) <b>3,016,677</b>	-	(106,466) <b>1,440,885</b>	(6,716) <b>85,488</b>	-	(113,181) <b>1,526,373</b>
	TOTAL O & M EXPENSES		3,016,677	-	1,440,885	85,488	-	1,526,373
Labor	Expenses			-				
Labor				-				
0	Labor Expenses		0.700	-				
0 0	Collection Pumping	COLLEC_OM PUMPG OM	9,762 53,693	-	4,834 25,677	- 1,484	-	4,834 27,161
0	Treatment & Disposal	TREAT OM	486,319	-	25,677 240,791	1,404	-	240,791
0	Customer Service and Billing	CUSTS_OM	92,950	-	240,791	- 37,397	-	61,223
-	Sub-total	20010_0	642,724	-	295,128	38,881	-	334,009
	TOTAL LABOR EXPENSES		642,724	-	295,128	38,881	-	334,009

				NRE Non-Resi		
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Rate E	Base Adjustments					
	Additionsand Deductions					
2	Cash Working Capital (Sched. G-5)	OMEXP	191,459	2,746	-	194,205
3	Accum. Deferred Income Taxes	NETPLT	5,988	217	-	6,205
4	Other (Rate Case Costs)	NETPLT	163,541	5,913	-	169,454
5	Other (Oth Deferred Chgs)	NETPLT	192,689	6,967	-	199,656
6	Customer Advances for Constr.	NETPLT	(62,103)	,	-	(64,349)
7	Other Deferred Credits-Regulatory	NETPLT	1,033	37	-	1,071
8 9	Accum. Deferred Income Taxes Contributions in Aid of Construction		(499,573)		-	(517,636)
9 10			(7,938,512)		-	(8,225,541)
10	Add back: Accum. Amort CIAC	NETPLT NETPLT	4,588,910	165,919	-	4,754,829
	Other (Rate Case Amort) <b>Sub-total</b>	NEIFLI	(108,175) <b>(3,579,857)</b>		-	(112,087) <b>(3,713,469)</b>
	TOTAL RATE BASE ADJ.		(3,579,857)	(133,611)	-	(3,713,469)
TOTAL	RATE BASE		29,663,415	387,905	-	30,051,321
EXPE	NSES					
0 & M	Expenses					
	Operation and Maintenance Expenses					
0	C - Labor Expense	USAGE	6,458	-	-	6,458
0	C - Supplies	USAGE	11,723	-	-	11,723
0	P - Labor	USAGE	35,517	-	-	35,517
0	P - Purchased Power	USAGE	193,828	-	-	193,828
0	ST - Labor Expense	USAGE	321,695	-	-	321,695
0	ST - Chemicals	USAGE	121,953	-	-	121,953
0	ST - Sludge Disposal	USAGE	29,336	-	-	29,336
0	ST - Lab Testing	USAGE	33,295	-	-	33,295
0 0	ST - Misc Expense CA - Other	USAGE USAGE	1,358	-	-	1,358
0	CA - Uncollectible Accounts	UNCOLL	18,284	- 5,593	-	18,284 5,593
0	A&G - Labor Expense	LABOR	57,022	1,474		58,496
0	A&G - Employee Benefits	LABOR	121,548	3,143		124,691
0	A&G - Management Fee	TOTPLT	335,118	6,746		341,864
0	A&G - Accounting	TOTPLT	-	-	-	
0	A&G - Legal	TOTPLT	7,066	142	-	7,208
0	A&G - Contractual Services Other	TOTPLT	1,998	40	-	2,038
0	A&G - Equipment Rental	TOTPLT	96	2	-	98
0	A&G - Transportation	TOTPLT	24,186	487	-	24,673
0	A&G - Insurance other than Group	TOTPLT	92,990	1,872	-	94,862
0	A&G - Materials and Supplies	TOTPLT	880	18	-	898
0	A&G - Amortization of Rate Case Expense	TOTPLT	39,913	803	-	40,716
0	A&G - Miscellaneous Expense	TOTPLT	123,528	2,487	-	126,014
0	Bad Debt Increase	UNCOLL	-	452	-	452
0	ADJ	TOTPLT	(108,560)	(2,185)	-	(110,745)
	Sub-total		1,469,230	21,074	-	1,490,304
	TOTAL O & M EXPENSES		1,469,230	21,074	-	1,490,304
Labor	Expenses					
0	Labor Expenses		4.000			4.000
0 0	Collection Pumping	COLLEC_OM	4,929	- 350	-	4,929 26,532
0	Pumping Treatment & Disposal	PUMPG_OM TREAT OM	26,182 245,528	330	-	26,532 245,528
0	Customer Service and Billing	CUSTS OM	245,528 24,295	- 7,431	-	245,528 31,727
0	Sub-total	00010_00	300,934	7,431 7,781	-	308,715
	TOTAL LABOR EXPENSES		300,934	7,781	-	308,715

				тот	AL	
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Rate E	Base Adjustments					
	Additionsand Deductions					
2	Cash Working Capital (Sched. G-5)	OMEXP	379,224	13,886	-	393,111
3	Accum. Deferred Income Taxes	NETPLT	11,861	882	-	12,742
4	Other (Rate Case Costs)	NETPLT	323,927	24,084	-	348,011
5 6	Other (Oth Deferred Chgs)	NETPLT	381,662	28,377		410,038
6 7	Customer Advances for Constr. Other Deferred Credits-Regulatory	NETPLT NETPLT	(123,008) 2,047	(9,146) 152	-	(132,154) 2,199
8	Accum. Deferred Income Taxes	NETPLT	(989,509)	(73,570)	-	(1,063,079)
9	Contributions in Aid of Construction	NETPLT	(15,723,873)	(1,169,074)		(16,892,947)
10	Add back: Accum. Amort CIAC	NETPLT	9,089,289	675,791	-	9,765,080
11	Other (Rate Case Amort)	NETPLT	(214,264)	(15,931)	-	(230,194)
	Sub-total		(7,090,652)	(541,501)	-	(7,632,153)
	TOTAL RATE BASE ADJ.		(7,090,652)	(541,501)	-	(7,632,153)
TOTAL	RATE BASE		58,754,558	1,582,647	-	60,337,205
EXPE	NSES					
O & M	Expenses					
	Operation and Maintenance Expenses					
0	C - Labor Expense	USAGE	12,791	-	-	12,791
0	C - Supplies	USAGE	23,220	-	-	23,220
0	P - Labor	USAGE	70,349	-	-	70,349
0	P - Purchased Power	USAGE	383,917	-	-	383,917
0	ST - Labor Expense	USAGE	637,184	-	-	637,184
0	ST - Chemicals	USAGE	241,553	-	-	241,553
0 0	ST - Sludge Disposal ST - Lab Testing	USAGE USAGE	58,106 65,949	-	-	58,106 65,949
0	ST - Misc Expense	USAGE	2,690			2,690
0	CA - Other	USAGE	36,215	-	-	36,215
0	CA - Uncollectible Accounts	UNCOLL		33,736	-	33,736
0	A&G - Labor Expense	LABOR	112,943	8,842	-	121,785
0	A&G - Employee Benefits	LABOR	240,751	18,847	-	259,598
0	A&G - Management Fee	TOTPLT	663,770	27,478	-	691,248
0	A&G - Accounting	TOTPLT	-	-	-	-
0	A&G - Legal	TOTPLT	13,995	579	-	14,575
0	A&G - Contractual Services Other	TOTPLT	3,957	164	-	4,121
0	A&G - Equipment Rental	TOTPLT	190	8	-	197
0	A&G - Transportation	TOTPLT	47,905	1,983	-	49,888
0 0	A&G - Insurance other than Group A&G - Materials and Supplies	TOTPLT TOTPLT	184,185 1,743	7,625 72	-	191,810
0	A&G - Materials and Supplies A&G - Amortization of Rate Case Expense	TOTPLT	79,055	3,273	-	1,815 82,328
0	A&G - Miscellaneous Expense	TOTPLT	244,672	10,129	-	254,801
0	Bad Debt Increase	UNCOLL	211,072	2,729	-	2,729
0	ADJ	TOTPLT	(215,025)	(8,901)	-	(223,927)
	Sub-total		2,910,115	106,562	-	3,016,677
	TOTAL O & M EXPENSES		2,910,115	106,562	-	3,016,677
Labor	Expenses					
	Labor Expenses					
0	Collection	COLLEC_OM	9,762	-	-	9,762
0	Pumping	PUMPG_OM	51,858	1,834	-	53,693
0	Treatment & Disposal	TREAT_OM	486,319	-	-	486,319
0	Customer Service and Billing	CUSTS_OM	48,122	44,828	-	92,950
	Sub-total		596,061	46,662	-	642,724
	TOTAL LABOR EXPENSES		596,061	46,662	-	642,724

Account Description         Alloc. Factor         Amount         PAR         CUT_PAC         REV         TOTAL           The intermediate Comparison         TOTAL T         67.3         64.3         60.4         60.4           Static         Interrigible Plant - Factoriases         TOTAL T         67.3         64.5         60.4         60.4           Static         Interrigible Plant - Factoriases         TOTAL T         67.3         67.4 <t< th=""><th></th><th></th><th></th><th></th><th></th><th>RES Reside</th><th></th><th></th></t<>						RES Reside		
Plant		•	Alloc. Factor	Amount	- BASE	CUST_ACCT	REV	TOTAL
951.1       Intengible Plant - Cogenization       TOTPLT       97.3       463       29       -       4422         389.1       Intengible Plant - Strachibles       TOTPLT       -	Deprec	iation Expense			-			
951.1       Intengible Plant - Cogenization       TOTPLT       97.3       463       29       -       4422         389.1       Intengible Plant - Strachibles       TOTPLT       -		Plant			-			
352.1       Intangbio Plant - Franchises       TOTPLT       -	351.1		TOTPLT	973	- 463	29	-	492
535.2       Collection Plant - Land & land rights       USAGE       -       -       -         535.2       Collection Plant - Nources & improvements       USAGE       -       -       -         535.2       Collection Plant - Collection sewers- gravity       USAGE       165.160       -       -       -       -         536.2       Collection Plant - Collection sewers- gravity       USAGE       105.150       -       52.063       -       -       20.054         531.2       Collection Plant - Stocial collecting structures       USAGE       108       -       53       -       -       53         532.2       Collection Plant - Stocial collecting structures       USAGE       2.021       - </td <td></td> <td></td> <td>TOTPLT</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td>			TOTPLT	-		-	-	-
554.2       Collection Plant - Structures & improvements       USAGE       -       -       -       -         552.2       Collection Plant - Collection sewers-force       USAGE       58,79       -       20,054       -       -       22,055         561.2       Collection Plant - Collection sewers-force       USAGE       40,09       -       22,015       -       -       53,375         562.2       Collection Plant - Special collecting structures       USAGE       108,046       -       -       33,758       -       22,620         562.2       Collection Plant - Special collecting structures       USAGE       -       -       -       -       -       -       -       -       2,620         562.2       Collection Plant - Structures & Entrovements       USAGE       - <t< td=""><td>389.1</td><td>Intangible Plant - Other plant &amp; misc. equip.</td><td>TOTPLT</td><td>6,880</td><td>- 3,271</td><td>206</td><td>-</td><td>3,477</td></t<>	389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	6,880	- 3,271	206	-	3,477
355.2       Collection Plant - Dever generation equipment       USAGE       -	353.2	Collection Plant - Land & land rights	USAGE	-		-	-	-
580.2       Collection Plant - Collection servers- providy       USAGE       186.79       -       29.054       -       -       29.053         361.2       Collection Plant - Manholes       USAGE       106.99       -       20.15       -       20.15         362.2       Collection Plant - Services to customers       USAGE       108       53       -       -       53         363.2       Collection Plant - Flow measuring devices       USAGE       -       2.620       -       -       -       -       -       -       -       -       -       -       -       -       2.620       -<	354.2	Collection Plant - Structures & improvements	USAGE	-		-	-	-
5812       Collector Plant - Manholes       USAGE       16,50       52,063       -       52,005         5812       Collector Plant - Special collecting structures       USAGE       108       53       -       53         582.2       Collector Plant - Special collecting structures       USAGE       5,21       2,620       -       2,205         584.2       Collector Plant - Flow measuring devices       USAGE       5,21       2,620       -       -       2,220         585.2       Collector Plant - Flow measuring instaltators       USAGE       2,221       -				-		-	-	-
961.2       Collection Plant - Manholes       USAGE       4.069       -       2.015       -       -       2.016         962.2       Collection Plant - Specid collecting structures       USAGE       4.744       -       -       33,758       333,758         983.2       Collection Plant - Flow measuing installations       USAGE       -						-	-	
582.2       Collection Plant - Special collecting structures       USACE       108       -       53         582.2       Collection Plant - Flow measuring divices       USACE       5.201       -       2.620         583.2       Collection Plant - How measuring installations       USACE       -       -       -       -         583.2       Collection Plant - How measuring installations       USACE       - <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td>						-	-	
662.2       Collection Plant - Services to customers       CUST       44,744       -       -       33,758       -       33,758         864.2       Collection Plant - Flow measuring installations       USAGE       5,291       -       2,620       -       -       -       2,620         865.2       Collection Plant - Flow measuring installations       USAGE       2,031       -       101       -       101         853.3       System Pumping Plant - Land & land rights       USAGE       7,434       -       -       -       -       -       -       -       -       -       3,334         853.3       System Pumping Plant - Nower generation equipment       USAGE       6,828       -       3,334       -       -       2,1671         393.3       System Pumping Plant - Nower generation equipment       USAGE       17,896       -       19       -       19       -       19       -       16       -       -       -       -       -       -       -       -       -       -       16       -       3,344       Treatment & Disposal Plant - Land & land rights       USAGE       -       -       -       21,671       3,344       Treatment & Disposal Plant - Land & land rights       USAGE <td< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td>1</td></td<>						-	-	1
964.2       Collection Plant - Flow measuring isolatalianos       USAGE       5.291       2.620       -       -       2.620         985.2       Collection Plant - Tober plant isolatalianos       USAGE       2.03       -       101       -       -       101         933.3       System Pumping Plant - Structures & improvements       USAGE       7.945       -       3.334       -       -       3.334         353.3       System Pumping Plant - Structures & improvements       USAGE       -       -       -       -       3.341         371.3       System Pumping Plant - New generation equipment       USAGE       -       -       -       -       -       119         333.4       Treatment & Disposal Plant - Structures & improvements (Treatment)       USAGE       -						-	-	
365.2       Collection Plant - Flow measuring installations       USAGE       -       -       -       -       101         383.2       Collection Plant - Other plant A since, equip.       USAGE       7.945       -       3.934       -       -       3.934         354.3       System Pumping Plant - Brow generation equipment       USAGE       6.828       -       3.934       -       -       3.934         370.3       System Pumping Plant - Power generation equipment       USAGE       4.766       -       2.1671       -       2.1671         383.4       Treatment & Disposal Plant - Umping equipment       USAGE       3.93       -       -       2.1671         383.4       Treatment & Disposal Plant - Structures & improvements (Treatment)       USAGE       - <td< td=""><td></td><td></td><td></td><td></td><td></td><td>33,758</td><td>-</td><td></td></td<>						33,758	-	
1882.2       Collection Plant 1- Other plant & misc. equip.       USAGE       203       101       -       -       101         1853.3       System Pumping Plant 1- and kain rights       USAGE       7,945       3,934       -       -       3,381         1853.3       System Pumping Plant - Power generation equipment       USAGE       6,828       -       3,831       -       -       3,381         1873.3       System Pumping Plant - Receiving vells       USAGE       -       -       -       -       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       <				5,291	- 2,620	-	-	2,620
533.3       System Pumping Plant - Structures & improvements       USAGE       -       -       -       -       -       -       -       -       -       -       3.834         353.3       System Pumping Plant - Structures & improvements       USAGE       6,828       -       3.381       -       -       3.834         370.3       System Pumping Plant - Receiving wells       USAGE       -       -       -       -       -       1.93         371.3       System Pumping Plant - Cher plant & nisc. equip.       USAGE       3.93       -       -       -       1.91       -       1.91         383.4       Treatment & Disposal Plant - Structures & improvements (Treatment)       USAGE       -				-		-	-	-
354:a       System Pumping Plant - Structures & improvements       USAGE       7.945       -       3.934       -       -       3.934         355.3       System Pumping Plant - Receiving wells       USAGE       6.828       -				203	- 101	-		101
355.3       System Pumping Plant - Power generation equipment       USAGE       6.828       -       3.381       -       -       3.381         370.3       System Pumping Plant - Receiving wells       USAGE       -       -       -       21,671       -       21,671         383.3       System Pumping Plant - Other plant & misc. equip.       USAGE       39       -       19       -       -       19         354.4       Treatment & Disposal Plant - Structures & improvements (Reclam)       USAGE       -						-	-	-
370.3       System Pumping Plant - Receiving wells       USAGE       -       -       -       -       -       -       -       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       21,671       -       19         383.3       System Pumping Plant - Numping equipment       USAGE       39       19       -       -       19         354.4       Treatment & Disposal Plant - Structures & improvements (Reclaim)       USAGE       -<						-	-	
371.3       System Pumping Plant - Pumping equipment       USAGE       43,768       -       21,671       -       21,671         389.3       System Pumping Plant - Other plant & misc. equip.       USAGE       39       19       -       19         384.4       Treatment & Disposal Plant - Land & land rights       USAGE       -       -       -       -       -         354.4       Treatment & Disposal Plant - Power generation equipments (Treatment)       USAGE       -				6,828		-		3,381
383.3       System Pumping Plant - Other plant & misc. equip.       USAGE       39       19       -       19         353.4       Treatment & Disposal Plant - Structures & improvements (Treatment)       USAGE       17.896       -				-		-		-
353.4       Treatment & Disposal Plant - Land & land rights       USAGE       -						-	-	
354.4       Treatment & Disposal Plant - Structures & improvements (Reclaim)       USAGE       -				39	- 19	-	-	19
354.5       Treatment & Disposal Plant - Structures & improvements (Reclaim)       USAGE       -				-		-	-	-
355.4       Treatment & Disposal Plant - Power generation equipment       USAGE       -       -       -       -         365.6       Treatment & Disposal Plant - Pumping Equip Reclaim WTP       USAGE       83       41       -       -       -         371.5       Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.       USAGE       41009       -       20,305       -       20,305         371.6       Treatment & Disposal Plant - Reuse Dist Reservoirs       USAGE       -				17,896	- 8,861	-	-	8,861
365.6       Treatment & Disposal Plant - Reuse Mtr/Installations       USAGE       -       -       -       -       -       -       41         371.5       Treatment & Disposal Plant - Reuse Trasmission & Dist. Sys.       USAGE       83       -       41       -       -       41         371.6       Treatment & Disposal Plant - Reuse Dist Reservoirs       USAGE       -		,		-		-	-	-
371.5       Treatment & Disposal Plant - Pumping Equip Reclaim WTP       USAGE       83       -       41       -       -       41         371.6       Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.       USAGE       -       -       -       20,305       -       20,305         371.6       Treatment & Disposal Plant - Reuse Dist Reservoirs       USAGE       -       38.5       3.82.5       -       -       3.82.5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td>-</td><td>-</td><td>-</td></t<>				-		-	-	-
371.6       Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.       USAGE       41,009       20,305       -       -       20,305         371.6       Treatment & Disposal Plant - Reuse Dist Reservoirs       USAGE       - <td></td> <td>•</td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td>		•		-		-	-	-
371.6       Treatment & Disposal Plant - Reuse Dist Reservoirs       USAGE       -       -       -       -         371.6       PTreatment & Disposal Plant - Imping Equip Rcl Wtr Dist       USAGE       -       -       -       -         380.4       Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist       USAGE       574,049       284,229       -       284,229         381.4       Treatment & Disposal Plant - Plant sewers       USAGE       7,726       3,825       -       3,825         381.5       Treatment & Disposal Plant - Outfall sewers       USAGE       178       88       -       -       -         382.6       Treatment & Disposal Plant - Outfall sever lines       USAGE       662       3,825       -						-	-	
371.6PTreatment & Disposal Plant - umping Equip Rcl Wtr DistUSAGE <t< td=""><td></td><td></td><td></td><td>41,009</td><td>- 20,305</td><td>-</td><td>-</td><td>20,305</td></t<>				41,009	- 20,305	-	-	20,305
354.6       Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist       USAGE       -       -       -       -       -       -       -       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       284,229       -       -       3825       -       -       3826       Treatment & Disposal Plant - Plant sewers reclaim WTP       USAGE       178       -       88       -       -       88       -       -       88       -       -       88       -       -       88       -       -       88       -       -       382.5       -       -       382.5       - <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td>-</td><td>-</td><td>-</td></t<>				-		-	-	-
380.4       Treatment & Disposal Plant - Treatment & disposal equip.       USAGE       574,049       -       284,229       -       -       284,229         381.4       Treatment & Disposal Plant - Plant sewers       USAGE       7,726       -       3,825       -       -       3,825         381.5       Treatment & Disposal Plant - Plant sewers reclaim WTP       USAGE       178       -       88       -       -       -       -       -       -       -       -       -       3,825         381.6       Treatment & Disposal Plant - Plant sewers reclaim WTP       USAGE       178       -       88       -       328       -       -       328       -       -       328       -       328       -       -       328       -		1 1 1 1 1		-	-	-	-	-
381.4       Treatment & Disposal Plant - Plant sewers       USAGE       7,726       -       3,825       -       -       3,825         381.5       Treatment & Disposal Plant - Plant sewers reclaim WTP       USAGE       178       -       88       -       -       88         382.6       Treatment & Disposal Plant - Outfall sewer innes       USAGE       -				574.049		-		284 220
381.5       Treatment & Disposal Plant - Plant sewers reclaim WTP       USAGE       178       88       -       -       88         382.6       Treatment & Disposal Plant - Outfall sewer lines       USAGE       -       -       -       -       -       -       -       -       -       -       328         382.6       Treatment & Disposal Plant - Outfall sewer lines       USAGE       662       328       -       -       328         353.7       General Plant - Ladk aland rights       TOTPLT       -       -       -       -       -       -       -       -       328         390.7       General Plant - Office furniture & equip.       TOTPLT       1,177       559       35       -       595         390.7       General Plant - Tsmsportation equipment       TOTPLT       1,177       559       35       -       595         390.7       General Plant - Tsmsportation equipment       TOTPLT       1,177       559       35       -       595         391.7       General Plant - Tools, shop & garage equip.       TOTPLT       138,313       -       65,761       4,148       -       69,909         393.7       General Plant - Communication equipment       TOTPLT       5,170       - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>						-		
382.6       Treatment & Disposal Plant - Outfall sewer lines       USAGE       -       -       -       -       -       -       -       -       -       -       -       328         389.4       Treatment & Disposal Plant - Other plant & misc. equip.       USAGE       662       328       -       -       328         353.7       General Plant - Land & land rights       TOTPLT       -								
389.4       Treatment & Disposal Plant - Other plant & misc. equip.       USAGE       662       -       328       -       -       328         353.7       General Plant - Land & land rights       TOTPLT       -       -       -       -       -       328         353.7       General Plant - Land & land rights       TOTPLT       (290,198)       -       (137,974)       (8,703)       -       (146,678)         390.7       General Plant - Office furniture & equip.       TOTPLT       1,177       -       559       35       595         390.7       General Plant - Stores equipment       TOTPLT       1,177       -       559       35       -		•						
353.7       General Plant - Land & land rights       TOTPLT       -				662		_		
354.7       General Plant - Structures & improvements       TOTPLT       (290,198)       -       (137,974)       (8,703)       -       (146,678)         390.7       General Plant - Office furniture & equip.       TOTPLT       1,177       -       559       35       -       595         390.7       General Plant - Torsportation equipment       TOTPLT       1,177       -       559       35       -       595         390.7       General Plant - Tansportation equipment       TOTPLT       1,177       -       2,613       34,7       General Plant - Laboratory equipment       TOTPLT       5,170       -       2,458       155       -				-		-	_	-
390.7       General Plant - Office furniture & equip.       TOTPLT       1,177       -       559       35       -       595         390.7       General Plant - Stores equipment       TOTPLT       -				(290 198)		(8 703)		(146 678)
390.7General Plant - Stores equipmentTOTPLTTOTPLT138,31365,7614,14869,909391.7General Plant - Transportation equipmentTOTPLT138,31365,7614,14869,909393.7General Plant - Tools, shop & garage equip.TOTPLT5,1702,4581552,613394.7General Plant - Laboratory equipmentTOTPLT5,1702,4581552,621395.7General Plant - Dower operated equipmentTOTPLT8,0573,8312424,072396.7General Plant - Communication equipmentTOTPLT75,85036,0632,275-38,337397.7General Plant - Miscellaneous equipmentTOTPLT1,474-70144-745398.7General Plant - Other tangible plantTOTPLT1,474-70144-745398.7General Plant - Other tangible plantTOTPLT45,758-21,7561,372-23,128ADJSub-total912,400912,400429,72133,578463,299							-	
391.7       General Plant - Transportation equipment       TOTPLT       138,313       -       65,761       4,148       -       69,909         393.7       General Plant - Tools, shop & garage equip.       TOTPLT       5,170       -       2,458       155       -       2,613         394.7       General Plant - Laboratory equipment       TOTPLT       519       -       247       16       -       262         395.7       General Plant - Dower operated equipment       TOTPLT       8,057       -       3,831       242       -       4,072         396.7       General Plant - Communication equipment       TOTPLT       75,850       -       36,063       2,275       -       38,333         397.7       General Plant - Communication equipment       TOTPLT       1,474       -       701       44       -       745         398.7       General Plant - Other tangible plant       TOTPLT       1,474       -       701       44       -       745         398.7       General Plant - Other tangible plant       TOTPLT       45,758       -       21,756       1,372       -       23,128         ADJ       Sub-total       Sub-total       -       -       -       -       -       4				-		-	-	-
393.7       General Plant - Tools, shop & garage equip.       TOTPLT       5,170       -       2,458       155       -       2,613         394.7       General Plant - Laboratory equipment       TOTPLT       519       -       247       16       -       262         395.7       General Plant - Power operated equipment       TOTPLT       8,057       -       3,831       242       -       4,072         396.7       General Plant - Communication equipment       TOTPLT       75,850       -       36,063       2,275       -       38,337         397.7       General Plant - Miscellaneous equipment       TOTPLT       1,474       -       701       44       -       745         398.7       General Plant - Other tangible plant       TOTPLT       -				138.313	- 65.761	4,148	-	69,909
394.7       General Plant - Laboratory equipment       TOTPLT       519       -       247       16       -       262         395.7       General Plant - Power operated equipment       TOTPLT       8,057       -       3,831       242       -       4,072         396.7       General Plant - Communication equipment       TOTPLT       75,850       -       36,063       2,275       -       38,337         397.7       General Plant - Miscellaneous equipment       TOTPLT       1,474       -       701       44       -       745         398.7       General Plant - Other tangible plant       TOTPLT       1,474       -							-	
395.7       General Plant - Power operated equipment       TOTPLT       8,057       -       3,831       242       -       4,072         396.7       General Plant - Communication equipment       TOTPLT       75,850       -       36,063       2,275       -       38,337         397.7       General Plant - Miscellaneous equipment       TOTPLT       1,474       -       701       44       -       745         398.7       General Plant - Other tangible plant       TOTPLT       -							-	
396.7       General Plant - Communication equipment       TOTPLT       75,850       -       36,063       2,275       -       38,337         397.7       General Plant - Miscellaneous equipment       TOTPLT       1,474       -       701       44       -       745         398.7       General Plant - Other tangible plant       TOTPLT       1,474       - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>							-	
397.7     General Plant - Miscellaneous equipment     TOTPLT     1,474     -     701     44     -     745       398.7     General Plant - Other tangible plant     TOTPLT     -     -     -     -     -     -       ADJ     ADJ     TOTPLT     45,758     -     21,756     1,372     -     23,128       Sub-total     912,400     -     429,721     33,578     -     463,299							-	
398.7       General Plant - Other tangible plant       TOTPLT       - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></td<>							-	
ADJ ADJ TOTPLT 45,758 - 21,756 1,372 - 23,128 Sub-total 912,400 - 429,721 33,578 - 463,299				-		-	-	-
Sub-total 912,400 - 429,721 33,578 - 463,299				45,758	- 21,756	1,372	-	23,128
							-	
TOTAL DEPRECIATION EXPENSES         912,400         -         429,721         33,578         -         463,299           -         -         -         -         -         -         -         -         463,299					-			
		TOTAL DEPRECIATION EXPENSES		912,400	- 429,721	33,578	-	463,299
					-			

				NRE Non-Resi		
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Deprec	iation Expense					
	Plant					
351.1	Intangible Plant - Organization	TOTPLT	472	9	-	481
352.1	Intangible Plant - Franchises	TOTPLT		-	-	
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	3,335	67	-	3,403
353.2	Collection Plant - Land & land rights	USAGE	-	-	-	-
354.2	Collection Plant - Structures & improvements	USAGE	-	-	-	-
355.2	Collection Plant - Power generation equipment	USAGE	-	-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	29,625	-	-	29,625
361.2	Collection Plant - Collection sewers- gravity	USAGE	53,087	-	-	53,087
361.2	Collection Plant - Manholes	USAGE	2,054	-	-	2,054
362.2	Collection Plant - Special collecting structures	USAGE	55	-	-	55
363.2	Collection Plant - Services to customers	CUST	-	10,985	-	10,985
364.2	Collection Plant - Flow measuring devices	USAGE	2,671	-	-	2,671
365.2	Collection Plant - Flow measuring installations	USAGE	-	-	-	-
389.2	Collection Plant - Other plant & misc. equip.	USAGE	103	-	-	103
353.3	System Pumping Plant - Land & land rights	USAGE	-	-	-	-
354.3	System Pumping Plant - Structures & improvements	USAGE	4.011	-	-	4.011
355.3	System Pumping Plant - Power generation equipment	USAGE	3,447	-	-	3,447
370.3	System Pumping Plant - Receiving wells	USAGE	-	-	-	-
371.3	System Pumping Plant - Pumping equipment	USAGE	22,097	-	-	22,097
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	20	-	-	20
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	-	-	-	_
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	9,035	-	-	9,035
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	-	-	-	-
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE	-	-	-	-
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	-	-	-	-
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	42	-	-	42
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	20,704	-	-	20,704
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE	-	-	-	-
371.6	PTreatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE	-	-	-	-
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-	-	-	-
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	289,820	-	-	289,820
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	3,901	-	-	3,901
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	90	-	-	90
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE	-	-	-	-
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	334	-	-	334
353.7	General Plant - Land & land rights	TOTPLT	-	-	-	-
354.7	General Plant - Structures & improvements	TOTPLT	(140,688)	(2,832)	-	(143,520)
390.7	General Plant - Office furniture & equip.	TOTPLT	570	11	-	582
390.7	General Plant - Stores equipment	TOTPLT	-	-	-	-
391.7	General Plant - Transportation equipment	TOTPLT	67,054	1,350	-	68,404
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	2,507	50	-	2,557
394.7	General Plant - Laboratory equipment	TOTPLT	252	5	-	257
395.7	General Plant - Power operated equipment	TOTPLT	3,906	79	-	3,985
396.7	General Plant - Communication equipment	TOTPLT	36,772	740	-	37,512
397.7	General Plant - Miscellaneous equipment	TOTPLT	714	14	-	729
398.7	General Plant - Other tangible plant	TOTPLT		-	-	-
ADJ	ADJ	TOTPLT	22,184	447	-	22,630
	Sub-total		438,174	10,927	-	449,101
	TOTAL DEPRECIATION EXPENSES		438,174	10,927	-	449,101

				тот	AL	
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Deprec	iation Expense					
	Plant					
351.1	Intangible Plant - Organization	TOTPLT	935	39	-	973
352.1	Intangible Plant - Franchises	TOTPLT	-	-	-	-
389.1	Intangible Plant - Other plant & misc. equip.	TOTPLT	6,607	273	-	6,880
353.2	Collection Plant - Land & land rights	USAGE	-	-	-	-
354.2	Collection Plant - Structures & improvements	USAGE	-	-	-	-
355.2	Collection Plant - Power generation equipment	USAGE	-	-	-	-
360.2	Collection Plant - Collection sewers- force	USAGE	58,679	-	-	58,679
361.2	Collection Plant - Collection sewers- gravity	USAGE	105,150	-	-	105,150
361.2	Collection Plant - Manholes	USAGE	4,069	-	-	4,069
362.2	Collection Plant - Special collecting structures	USAGE	108	-	-	108
363.2	Collection Plant - Services to customers	CUST	-	44,744	-	44,744
364.2	Collection Plant - Flow measuring devices	USAGE	5,291	-	-	5,291
365.2	Collection Plant - Flow measuring installations	USAGE	-	-	-	-
389.2	Collection Plant - Other plant & misc. equip.	USAGE	203	-	-	203
353.3	System Pumping Plant - Land & land rights	USAGE	-	-	-	-
354.3	System Pumping Plant - Structures & improvements	USAGE	7,945	-	-	7,945
355.3	System Pumping Plant - Power generation equipment	USAGE	6,828	-	-	6,828
370.3	System Pumping Plant - Receiving wells	USAGE	-	-	-	-
371.3	System Pumping Plant - Pumping equipment	USAGE	43,768	-	-	43,768
389.3	System Pumping Plant - Other plant & misc. equip.	USAGE	39	-	-	39
353.4	Treatment & Disposal Plant - Land & land rights	USAGE	-	-	-	-
354.4	Treatment & Disposal Plant - Structures & improvements (Treatment)	USAGE	17,896	-	-	17,896
354.5	Treatment & Disposal Plant - Structures & improvements (Reclaim)	USAGE	-	-	-	-
355.4	Treatment & Disposal Plant - Power generation equipment	USAGE	-	-	-	-
365.6	Treatment & Disposal Plant - Reuse Mtr/Installations	USAGE	-	-	-	-
371.5	Treatment & Disposal Plant - Pumping Equip Reclaim WTP	USAGE	83	-	-	83
371.6	Treatment & Disposal Plant - Reuse Transmission & Dist. Sys.	USAGE	41,009		-	41,009
371.6	Treatment & Disposal Plant - Reuse Dist Reservoirs	USAGE		-	-	
371.6	PTreatment & Disposal Plant - umping Equip Rcl Wtr Dist	USAGE		-	-	-
354.6	Treatment & Disposal Plant - Struct and Improv Reclaim Wtr Dist	USAGE	-	-	-	_
380.4	Treatment & Disposal Plant - Treatment & disposal equip.	USAGE	574.049	-	-	574,049
381.4	Treatment & Disposal Plant - Plant sewers	USAGE	7,726			7,726
381.5	Treatment & Disposal Plant - Plant sewers reclaim WTP	USAGE	178	-	_	178
382.6	Treatment & Disposal Plant - Outfall sewer lines	USAGE				
389.4	Treatment & Disposal Plant - Other plant & misc. equip.	USAGE	662			662
353.7	General Plant - Land & land rights	TOTPLT	002	-	_	002
354.7	General Plant - Structures & improvements	TOTPLT	(278,662)	(11,536)		(290,198)
390.7	General Plant - Office furniture & equip.	TOTPLT	1,130	47		1,177
390.7	General Plant - Stores equipment	TOTPLT	1,100	-1	_	1,177
391.7	General Plant - Transportation equipment	TOTPLT	132,815	5,498		138,313
393.7	General Plant - Tools, shop & garage equip.	TOTPLT	4.965	206	-	5.170
394.7	General Plant - Laboratory equipment	TOTPLT	4,903	200	-	519
394.7		TOTPLT	7,737	320	-	8,057
395.7 396.7	General Plant - Power operated equipment General Plant - Communication equipment	TOTPLT	72,834	3.015	-	75,850
396.7	General Plant - Communication equipment General Plant - Miscellaneous equipment	TOTPLT	1,415	3,015 59	-	1,474
			1,415	59	-	1,474
398.7	General Plant - Other tangible plant	TOTPLT	-		-	-
ADJ	ADJ	TOTPLT	43,939	1,819	-	45,758
	Sub-total		867,896	44,504	-	912,400
	TOTAL DEPRECIATION EXPENSES		867,896	44,504	-	912,400

					RE Reside		
No.	Account Description	Alloc. Factor	Amount	- BASE	CUST_ACCT	REV	TOTAL
Taxes	Other Than Income Taxes			-			
τοτι	FICA	LABOR	48,469	- 22,256	2,932	-	25,188
TOTI	Federal Unemployment Tax	LABOR		- 167	22	-	189
ΤΟΤΙ	State Unemployment Tax	LABOR	6.445	- 2.960	390	-	3,349
TOTI	Other Payroll Taxes	TOTPLT	27.946	- 13,287	838	-	14,125
τοτι	Gross Receipts Taxes	TOTPLT	4,592	- 2.183	138	-	2,321
TOTI	Real Estate Taxes	TOTPLT			-	-	-
τοτι	Utility/Commission Taxes	TOTPLT	14,303	- 6,800	429	-	7,229
τοτι	Other General Taxes	TOTPLT	3,189	- 1,516	96	-	1,612
τοτι	ADJ	TOTPLT	144,422	- 68,665		-	72,997
τοτι	PUCN Mill Tax Increase	TOTPLT	1,295	- 616	39	-	655
	Sub-total		251,026	- 118,451	9,215	-	127,666
	TOTAL TAXES OTHER THAN INCOME TAX		۔ 251,026	- - 118,451	9,215	-	127,666
Incom	e Taxes			-			
Тах	Income Taxes	RTBASE	141,092	- 65,102	7,256	-	72,358
	TOTAL		141,092	- 65,102	7,256	-	72,358
Onoral	ing Revenues				-	-	-
REV	Sewer Revenues	SALES	4 007 005	-		2 226 225	2 226 225
REV			1,001,000		-	3,236,825	3,236,825
REV	Other Revenues Sub-total	SALES ~	00,100			37,299	37,299
	Sub-totai	~	4,892,824		-	3,274,124	3,274,124
	TOTAL		4,892,824		-	3,274,124	3,274,124
				-			
				-			

END

## GBWC\_2024 Rate Case\_Vol. 5, Page 101 of 389

				NRE Non-Resi		
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Taxes (	Other Than Income Taxes					
τοτι	FICA	LABOR	22,694	587	-	23,281
τοτι	Federal Unemployment Tax	LABOR	170	4	-	175
τοτι	State Unemployment Tax	LABOR	3,018	78	-	3,096
τοτι	Other Payroll Taxes	TOTPLT	13,548	273	-	13,821
τοτι	Gross Receipts Taxes	TOTPLT	2,226	45	-	2,271
τοτι	Real Estate Taxes	TOTPLT	-	-	-	-
τοτι	Utility/Commission Taxes	TOTPLT	6,934	140	-	7,074
τοτι	Other General Taxes	TOTPLT	1,546	31	-	1,577
τοτι	ADJ	TOTPLT	70,016	1,409	-	71,425
τοτι	PUCN Mill Tax Increase	TOTPLT	628	13	-	641
	Sub-total		120,781	2,580	-	123,361
	TOTAL TAXES OTHER THAN INCOME TAX		120,781	2,580	-	123,361
Income	Taxes					
Tax	Income Taxes	RTBASE	66,383	2,351	-	68,734
	TOTAL		66,383	2,351	-	68,734
•	_		-	-	-	-
	ing Revenues					
REV	Sewer Revenues	SALES	-	-	1,600,260	1,600,260
REV	Other Revenues	SALES	-	-	18,440	18,440
	Sub-total	~	-	-	1,618,701	1,618,701
	TOTAL		-	-	1,618,701	1,618,701

				тот	AL	
No.	Account Description	Alloc. Factor	BASE	CUST_ACCT	REV	TOTAL
Taxes C	Other Than Income Taxes					
TOTI	FICA	LABOR	44,950	3,519	-	48,469
τοτι	Federal Unemployment Tax	LABOR	337	26	-	364
TOTI	State Unemployment Tax	LABOR	5,977	468	-	6,445
τοτι	Other Payroll Taxes	TOTPLT	26,835	1,111	-	27,946
TOTI	Gross Receipts Taxes	TOTPLT	4,410	183	-	4,592
τοτι	Real Estate Taxes	TOTPLT	-	-	-	-
TOTI	Utility/Commission Taxes	TOTPLT	13,734	569	-	14,303
τοτι	Other General Taxes	TOTPLT	3,063	127	-	3,189
TOTI	ADJ	TOTPLT	138,681	5,741	-	144,422
τοτι	PUCN Mill Tax Increase	TOTPLT	1,244	51	-	1,295
	Sub-total		239,232	11,794	-	251,026
	TOTAL TAXES OTHER THAN INCOME TAX		239,232	11,794	-	251,026
Income	Taxes					
Tax	Income Taxes	RTBASE	131,485	9,607	-	141,092
	TOTAL		131,485	9,607	-	141,092
Operati	ng Revenues					
REV	Sewer Revenues	SALES	-	-	4,837,085	4,837,085
REV	Other Revenues	SALES	-	-	55,739	55,739
	Sub-total	~	-	-	4,892,824	4,892,824
	TOTAL		-	-	4,892,824	4,892,824

GREAT BASIN WATER COMPANY ACOS Study BR-4, Schedule 7 Revenue Allocation Summary - Sewer

# GREAT BASIN WATER COMPANY Sewer ACOS Study Revenue Allocation

5	
÷	
σ	
C	
0	
=	
~	
~	
d)	
Ξ	
-	
2	
Ψ	
2	
e a	
2	
_	

Rate	Description	Curren	Current Revenues	ACO Reven	ACOS Required Revenues @ Equal <sub>E</sub> ROR	ACOS Deficiency (\$) Ir	ACOS Increase (%)	Final Revised Deficiency	Final Revised Final Increase Deficiency (%)	Difference from ACOS	Proposed Revenue
RES R	Residential	φ	3,236,825	<del>с</del> у	2,646,239	\$ (590,586)	-18.2% \$			17.3%	\$ 3,206,880
NRES N	Von-Residential		1,600,260		2,582,162	\$ 981,902	61.4%	421,261	26.3%	-35.0%	.35.0% 2,021,521
Ĥ	otal	<del>ഗ</del>	4,837,085	<del></del>	5,228,401	ъ С		\$			0.0% \$ 5,228,401
								(0) \$			۰ \$

## Attachment BR-5 to Exhibit \_\_\_\_\_

## Attachment BR-5 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 105 of 389

#### GREAT BASIN WATER COMPANY Rate Design BR-5, Schedule 1 Summary of Proposed Rate Design - Sewer

	<b>D</b> 1	Р	roposed Rate
Division	Rate+Meter		(\$/Month)
Pahrump	Res5/8"	\$	60.00
Pahrump	Res3/4"	\$	60.00
Pahrump	Res1"	\$	60.00
Pahrump	Res1.5"	\$	60.00
Pahrump	Res2"	\$	480.00
Pahrump	Res3"	\$	1,200.00
Pahrump	Res4"	\$	1,800.00
Pahrump	Res6"	\$	2,400.00
Pahrump	Res8"	\$	3,300.00
Pahrump	Non-Res5/8"	\$	67.67
Pahrump	Non-Res3/4"	\$	67.67
Pahrump	Non-Res1"	\$	67.67
Pahrump	Non-Res1.5"	\$	406.02
Pahrump	Non-Res2"	\$	541.37
Pahrump	Non-Res3"	\$	1,353.41
Pahrump	Non-Res4"	\$	2,030.12
Pahrump	Non-Res6"	\$	2,706.83
Pahrump	Non-Res8"	\$	3,721.89
Pahrump	CCA10"	\$	29.44
Spring Creek	Res5/8"	\$	60.00
Spring Creek	Res3/4"	\$	60.00
Spring Creek	Res1"	\$	60.00
Spring Creek	Res1.5"	\$	60.00
Spring Creek	Res2"	\$	480.00
Spring Creek	Res3"	\$	1,200.00
Spring Creek	Res4"	\$	1,800.00
Spring Creek	Res6"	\$	2,400.00
Spring Creek	Res8"	\$	3,300.00
Spring Creek	Res10"	\$	12,000.00
Spring Creek	Non-Res5/8"	\$	67.67
Spring Creek	Non-Res3/4"	\$	67.67
Spring Creek	Non-Res1"	\$	67.67
Spring Creek	Non-Res1.5"	\$	406.02
Spring Creek	Non-Res2"	\$	541.37
Spring Creek	Non-Res3"	\$	1,353.41
Spring Creek	Non-Res4"	\$	2,030.12
Spring Creek	Non-Res6"	\$	2,706.83
Spring Creek	Non-Res8"	\$	3,721.89
Spring Creek	Non-Res10"	\$	13,534.15

#### GREAT BASIN WATER COMPANY Rate Design BR-5, Schedule 2 Summary of Standalone Rate Design - Sewer

Division	Rate+Meter	St	andalone Rate (\$/Month)
Pahrump	Res5/8"	\$	61.06
Pahrump	Res3/4"	\$	61.06
Pahrump	Res1"	\$	61.06
Pahrump	Res1.5"	\$	372.05
Pahrump	Res2"	\$	537.28
Pahrump	Res3"	\$	1,410.24
Pahrump	Res4"	\$	2,016.35
Pahrump	Res6"	\$	2,538.14
Pahrump	Res8"	\$	3,688.20
Pahrump	Non-Res5/8"	\$	61.06
Pahrump	Non-Res3/4"	\$	61.06
Pahrump	Non-Res1"	\$	61.06
Pahrump	Non-Res1.5"	\$	372.05
Pahrump	Non-Res2"	\$	537.28
Pahrump	Non-Res3"	\$	1,410.24
Pahrump	Non-Res4"	\$	2,016.35
Pahrump	Non-Res6"	\$	2,538.14
Pahrump	Non-Res8"	\$	3,688.20
Pahrump	CCA10"	\$	26.57
Spring Creek	Res5/8"	\$	56.74
Spring Creek	Res3/4"	\$	56.74
Spring Creek	Res1"	\$	56.74
Spring Creek	Res1.5"	\$	56.74
Spring Creek	Res2"	\$	56.74
Spring Creek	Res3"	\$	56.74
Spring Creek	Res4"	\$	56.74
Spring Creek	Res6"	\$	56.74
Spring Creek	Res8"	\$	56.74
Spring Creek	Res10"	\$	56.74
Spring Creek	Non-Res5/8"	\$	97.59
Spring Creek	Non-Res3/4"	\$	97.59
Spring Creek	Non-Res1"	\$	164.54
Spring Creek	Non-Res1.5"	\$	272.34
Spring Creek	Non-Res2"	\$	453.89
Spring Creek	Non-Res3"	\$	1,021.26
Spring Creek	Non-Res4"	\$	2,927.61
Spring Creek	Non-Res6"	\$	3,903.48
Spring Creek	Non-Res8"	\$	5,367.29
Spring Creek	Non-Res10"	\$	19,517.41

# ASHCRAFT TESTIMONY

GBWC\_2024 Rate Case\_Vol. 5, Page 108 of 389

1		
2		
3		
4	BEFORE THE PUBLIC UTILITIE	ES COMMISSION OF NEVADA
5	000	
6	In the Matter of:	
7	Application of Great Basin Water Co. for	Docket No. 24
8	authority to consolidate and increase its	
9	annual revenue requirements for water and sewer service and to consolidate and adjust	
10	the rates charged to all classes of customers in the Pahrump, Spring Creek, Cold Springs	
11	and Spanish Springs Divisions and for other relief properly related thereto.	
12		
13		
14	PREPARED DIRECT	T TESTIMONV OF
15	SEAN ASH	
16	ON BEHALF OF GREA	
17	ON BEHALF OF GREA	I DASIN WATER CO.
18		
19	December	4 2024
20	December	4, 2024
21		
22		
23		
24		
25		
26		
27		
28		

1		PREPARED DIRECT TESTIMONY
2		SEAN ASHCRAFT
3		ON BEHALF OF GREAT BASIN WATER CO.
4		
5	Q.1	PLEASE STATE YOUR NAME, PRESENT POSITION AND BUSINESS
6		ADDRESS.
7	A.1	My name is Sean Ashcraft, and I am the Manager, Project Management for Great Basin
8		Water Co. in Nevada ("GBWC" or the "Utility") and Bermuda Water Company in Arizona.
9		Before transitioning to my current position in September 2024, I started with the company
10		in 2016 as a customer service representative, then transitioned into an operation support
11		role in 2018 to 2020 and then into a Project Manager role starting July 2020 to September
12		2024. My business address is 1240 E. State Street, Suite 115, Pahrump, Nevada 89048.
13		
14	Q.2	WHAT ARE YOUR DUTIES IN YOUR CURRENT POSITION?
15	A.2	Since I joined the Utility in 2016, I have worked in many different facets of operations and
16		customer service. As the current Manager, Project Management, I am responsible for
17		managing four (4) direct report employees (two Project Managers, a Business Development
18		Manager, and an OPS Support person), as well as management responsibility for all capital
19		projects and new business development in the NV/AZ business units, including across
20		GBWC's four (4) divisions: the Pahrump Division ("GBWC-PD"); the Spring Creek
21		Division ("GBWC-SCD"); the Cold Springs Division ("GBWC-CSD") and the Spanish
22		Springs Division ("GBWC-SSD"). In connection with the preparation of the Company's
23		2024 Consolidated General Rate Case Application ("Application") and supporting
24		materials, I have assisted in providing information and insight regarding status of all capital
25		projects along with coordinating and managing schedules for my project team members.
26		
27		Please see Attachment SPA-01 to Exhibit, Managing, Project Manager Job Description
28		
		2

GBWC\_2024 Rate Case\_Vol. 5, Page 110 of 389

1	Q.3	WHAT IS YOUR EDUCATIONAL AND PROFESSIONAL BACKGROUND?
2	A.3	Please see Attachment SPA-02 to Exhibit, Sean Ashcraft Resume.
3		
4	Q.4	HAVE YOU TESTIFIED PREVIOUSLY BEFORE THE PUBLIC UTILITIES
5		COMMISSION OF NEVADA (THE "COMMISSION")?
6	A.4	No. I have not testified in any previous dockets:
7		
8	Q.5	HAVE YOU TESTIFIED BEFORE ANY OTHER PUBLIC UTILITIES
9		COMMISSION?
10	A.5	No. I have not testified before any other regulatory body.
11		
12	Q.6	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS DOCKET?
13	A.6	The purpose of my testimony is to provide information supporting the Utility's Application
14		and requests for rate recovery in connection with five (5) capital projects in GBWC's
15		Pahrump and Spring Creek divisions for which a System Improvement Rate ("SIR") has
16		already been implemented, as well as for three (3) "Certification Projects" that have been
17		placed in service between the end of the Test Year Period (July 31, 2024) and November
18		30, 2024 (the "Certification Period"); and for one (1) capital project expected to be placed
19		in service during the Expected Change in Circumstance ("ECIC") period pursuant to NRS
20		704.110. I also provide a summary of GBWC's systems and service territories, including
21		its water service territories in each of the four (4) divisions and its wastewater systems in
22		the Pahrump and Spring Creek Divisions.
23		
24	•	Section 1 of my testimony:
25		• Overview of the four (4) GBWC divisions, including a summary and brief history
26		of GBWC's various systems and service territories.
27		
28		
		3

GBWC\_2024 Rate Case\_Vol. 5, Page 111 of 389

1	•	Section 2 of my testimony:
2		• Provide information on five (5) Capital Projects completed during the Test Year
3		Period (and for which SIR sur-charges have already been implemented).
4		
5	•	Section 3 of my testimony:
6		o Provide information on three (3) Capital Projects placed in service during the
7		Certification Period.
8		
9	•	Section 4 of my testimony:
10		• Provide information on one (1) capital project to be placed in service during the
11		ECIC period.
12		
13		Section 1
14		<b>Overview of the four (4) GBWC Divisions:</b>
15	Q7.	PLEASE PROVIDE A BRIEF HISTORY OF THE GREAT BASIN WATER
15 16	Q7.	PLEASE PROVIDE A BRIEF HISTORY OF THE GREAT BASIN WATER COMPANY.
	<b>Q7.</b> A7.	
16	-	COMPANY.
16 17	-	COMPANY. Pahrump Division:
16 17 18	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which
16 17 18 19	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN
16 17 18 19 20	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three
16 17 18 19 20 21	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three (43) square miles and consists of the original core service area of the Preferred Equities
<ol> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> </ol>	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three (43) square miles and consists of the original core service area of the Preferred Equities subdivisions of 28,000 lots. In the late 1970s, the Preferred Equities Corporation ("PEC")
<ol> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> </ol>	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three (43) square miles and consists of the original core service area of the Preferred Equities subdivisions of 28,000 lots. In the late 1970s, the Preferred Equities Corporation ("PEC") began recording subdivision plats and selling single family housing, multi-family housing,
<ol> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> </ol>	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three (43) square miles and consists of the original core service area of the Preferred Equities subdivisions of 28,000 lots. In the late 1970s, the Preferred Equities Corporation ("PEC") began recording subdivision plats and selling single family housing, multi-family housing, and commercial lots throughout the Pahrump Valley. PEC left many infrastructure
<ol> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> </ol>	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three (43) square miles and consists of the original core service area of the Preferred Equities subdivisions of 28,000 lots. In the late 1970s, the Preferred Equities Corporation ("PEC") began recording subdivision plats and selling single family housing, multi-family housing, and commercial lots throughout the Pahrump Valley. PEC left many infrastructure
<ol> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> </ol>	-	COMPANY. Pahrump Division: The predecessor of GBWC-PD was Central Nevada Utilities Company ("CNUC"), which was organized and began its operations in the mid-1970s. CNUC was sold and its CPCN was transferred to GBWC-PD in 2002. The GBWC-PD existing service area is forty-three (43) square miles and consists of the original core service area of the Preferred Equities subdivisions of 28,000 lots. In the late 1970s, the Preferred Equities Corporation ("PEC") began recording subdivision plats and selling single family housing, multi-family housing, and commercial lots throughout the Pahrump Valley. PEC left many infrastructure challenges and deficiencies such as:

GBWC\_2024 Rate Case\_Vol. 5, Page 112 of 389

1	• Undersized mains
2	• Main line dead ends
3	• Limited fire flow capacity
4	• Checkboard lot designations
5	
6	GBWC has worked with PUCN, Nye County, Nye County Water District, Basin 162 Water
7	Committee, and the State Water Engineer to address these infrastructure deficiencies
8	throughout the years. Vol. II, Section 1.2.1 of the 2024 IRP provides a more detailed
9	description of the system's history.
10	
11	Spring Creek Division:
12	The predecessor of GBWC-SCD was MCO Properties, Inc., which was organized and
13	began its operations in the mid-1970s. Great Basin Water Co. purchased Spring Creek
14	Utilities from MCO Properties Inc. in December of 1996 under Docket No. 96-4028. MCO
15	Properties, Inc. originally developed and subdivided the Spring Creek community into
16	Tracts 100, 200, 300, and 400 as well as designed and installed the Spring Creek water and
17	wastewater infrastructure system. The infrastructure installed is substandard for today's
18	requirements, meaning GBWC is working to bring the system up to today's standards to
19	address the following issues:
20	
21	• High and low water pressures
22	• Undersized water mains
23	• Water outages
24	<ul> <li>Non-Revenue Water issues</li> </ul>
25	• Limited fire flow capacity
26	
27	The planned community of Spring Creek is subdivided into primarily 5,400 residential lots,
28	
	5

GBWC\_2024 Rate Case\_Vol. 5, Page 113 of 389

ranging in size from one (1) to ten (10) acres. As of November 2021, GBWC-SCD has approximately 5,000 customers connected to the water system and approximately 133 customers connected to the three (3) wastewater systems. Vol. III, Sections 1.2.1 and 2.1.2 of the 2024 IRP provide a more detailed description of the history of the water and wastewater systems.

Co

### **Cold Springs Division:**

The predecessor of GBWC-CSD was Reno Park Water Company ("RPWC"), which was organized and began its operations in the mid-1970s. Reno Park Water Company was sold, and its Certificate of Public Convenience and Necessity was transferred to the predecessor of GBWC-CSD on June 23, 1998, in the Public Utilities Commission Order under Docket #98-2009.

Before the sale of the RPWC to GBWC-CSD, an annexation was completed under Public
Utilities Commission Docket #95-11002. Much of the property annexed is the current
Woodland Village Subdivision of Cold Springs. The Woodland Village Subdivision began
in October 1999 and is approximately 90% built out at this time.

Since the acquisition of the water company by GBWC-CSD in 1998, various other developments have been completed, including:

- White Lake Estates (the Roston Development).
- Canyon Hills (Cold Springs Property, LLC).
- Lake Hills Subdivision.
  - Northridge Estates (The Springer Development).

GBWC-CSD has expanded its customer base from approximately 1,250 at the time of acquisition to the current level of approximately 3,650 by completing these subdivisions.

1		Current build-out of about 4,000 customers is approved for subdivisions in the existing
2		service area of three (3) square miles. Vol. IV, Sections 1.2.1 and 2.1.2 of the GBWC 2024
3		Consolidated IRP provide a more detailed description of the system's history.
4		
5		Spanish Springs Division:
6		The predecessor of GBWC-SSD was Sky Ranch Water Service ("SRWS"), which was
7		organized and began its operations in the early 1980s. SRWS was sold, and its Certificate
8		of Public Convenience and Necessity was transferred to GBWC-SSD in July of 1999 by a
9		Public Utilities Commission Order under Docket No. 99-3028.
10		
11		After the purchase of SRWS by GBWC-SSD, a de-annexation was approved by the Public
12		Utilities Commission of thirty-four (34) lots in Sky Ranch North. GBWC-SSD has
13		approximately 580 customers with a current build out of approximately 610 connections
14		for the approved parcels and subdivisions in the existing service area of one and a half (1.5)
15		square miles. Vol. V, Sections 1.2.1 and 2.1.2 of the GBWC 2021 Consolidated IRP
16		provide a more detailed description of the system's history.
17		
18	Q.8	PLEASE PROVIDE A GENERAL DESCRIPTION OF THE SERVICE
19		TERRITORIES OF GREAT BASIN WATER COMPANY.
20	A.8	PAHRUMP DIVISION:
21		The GBWC-PD system consists of various customer classes, most composed of residential
22		and commercial customers. The GBWC-PD service area, approximately sixty (60) miles
23		west of Las Vegas, NV along U.S. Route 160, is managed locally and operates the system
24		with twelve (12) operations personnel, an area manager, and administrative staff in
25		Pahrump and Reno. The service area is now comprised five (5) separate and active water
26		systems and one (1) water system which is working under an Interim Service Agreement,
27		Spring Mountain Motorsports Ranch ("SMMR"), Annexation Docket No. 16-07011). The
28		
		7

1	Mountain View system was integrated into the Calvada Valley system under project
2	#2022119. There are four (4) separate and active wastewater collection systems one (1)
3	wastewater collection system which is working under an Interim Service Agreement
4	(SMMR).
5	
6	The water systems include:
7	Calvada Valley (Mountain View System Consolidated)
8	<ul> <li>Calvada North/Country View Estates</li> </ul>
9	Calvada Meadows
10	Mountain Falls
11	• SMMR
12	The wastewater systems include:
13	Septic Systems
14	• 121 West Calvada (Serving one (1) customer)
15	• 2350 East Feather Street (Serving two (2) customers)
16	• Plant 3 in the Calvada Valley, Central Area
17	• Plant F in the Calvada North, North Area
18	Mountain Falls Plant in the South Area
19	• SMMR
20	There are approximately 6,532 <sup>1</sup> metered water connections and 4,5940 <sup>2</sup> sewer connections
21	in the GBWC-PD service area. Groundwater pumped from wells is the only source of water
22	utilized by GBWC-PD. GBWC-PD has a total of fourteen (14) wells which provide
23	potable drinking water to these service customers, including two (2) wells in the SMMR
24	system. GBWC-PD owns 28,546.99 acre-feet annually ("AFA") of water rights to provide
25	water service to its customer base. Vol. II, Section 1.2.1 GBWC 2024 Consolidated IRP
26	
27	<ol> <li>2024 IRP, Volume II Table 3.02: GBWC-PD Residential and Commercial Connections Projections</li> <li>2024 IRP, Volume II Table 3.19: GBWC-PD Wastewater Connection Projections</li> </ol>
28	<sup>2</sup> 2024 IRP, Volume II Table 3.19: GBWC-PD Wastewater Connection Projections.

provides a more detailed description of the water system.

# 

# SPRING CREEK DIVISION:

The GBWC-SCD system consists of predominantly residential customers with limited commercial customers. The GBWC-SCD service area is in Nevada's Northeast section in Elko County, approximately ten (10) miles southeast of Elko, Nevada, on Lamoille Highway (State Route 227), which covers an area of roughly eight (8) miles east-west by nine (9) miles north-south. GBWC-SCD is managed locally and operates the system with an average of six (6) operations personnel, an area manager, and administrative staff in Pahrump and Reno. GBWC-SCD maintains two (2) separate water systems and three (3) separate wastewater systems, two (2) of which are septic systems. The GBWC-SCD water system has many pressure zones covering various elevation ranges, which results in high pressures in some areas and low pressures in others. The water systems include:

Spring Creek Mobile Home section (200 Tract, NV5027)

- Spring Creek Housing (100, 300 and 400 Tracts, NV036)
- The wastewater systems include:
  - Wastewater Treatment Plant (100 Tract)
  - Septic # 2 (200 Tract)
  - Septic # 3 (400 Tract)

As of December 2022, there are a total of 5,166<sup>3</sup> water customers and 158 wastewater connections within the GBWC-SCD service area. GBWC-SCD currently has three (3) arsenic removal plants in service at three (3) of the twelve (12) ground water wells, 149 miles of watermain (primarily PVC), ten (10) ground storage tanks, three and a half (3.5) miles of sewer, 395 fire hydrants, and 529 watermain valves. GBWC-SCD owns 7,103.27 AFA of water rights to provide water service to its customer base. Vol. III, Section 1.2.2

2024 IRP, Volume III Table 3.02: GBWC-SCD Water Connections

of the GBWC 2024 Consolidated IRP provides a more detailed description of the Humboldt River Basin issue and Vol. III, 1.2.1 of the GBWC 2024 Consolidated IRP provides a more detailed description of the water system.

# **COLD SPRINGS DIVISION:**

The GBWC-CSD system is a predominantly residential community with limited commercial services. GBWC-CSD is located in the City of Reno, Washoe County, approximately ten (10) miles northwest of downtown Reno on U.S. Highway 395 at the Nevada/California state line. GBWC-CSD is managed locally and operates the system with an average of four (4) operations personnel (shared with the Spanish Springs Division), an area manager, and administrative staff in Pahrump and Reno. Five (5) groundwater wells service the single system in Cold Springs, which then pumps to four (4) storage tanks to provide service to four (4) pressure zones. The wastewater services for the GBWC-CSD customers are either provided by customer septic tanks or by Washoe County. GBWC-CSD consists of one (1) water system serving approximately 3,986<sup>4</sup> customers. GBWC-CSD owns 2,414.89 acre-feet annually (AFA) of water rights to provide water service to its customer base. Vol. IV, Section 1.2.1 of the GBWC 2021 Consolidated IRP provides a more detailed description of the water system.

19

20

21

22

23

24

25

26

18

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

SPANISH SPRINGS DIVISION:

The GBWC-SSD system is predominantly a residential community with limited commercial services. GBWC-SSD is in the City of Sparks, Washoe County, approximately 7.5 miles northeast of downtown Sparks on Pyramid Lake Highway (State Highway 445). GBWC-SSD is managed locally and operates with an average of four (4) operations personnel (shared with the Cold Springs Division), an area manager, and administrative staff in Pahrump and Reno. Two (2) ground water wells serve the single system in Spanish

27 28

4

2024 IRP, Volume IV Table 3.01: Population and GBWC-CSD Service Connection Projections.

1		Springs, then pump to three (3) storage tanks to provide service to two (2) pressure zones.
2		The wastewater services for the GBWC-SSD customers are either provided by customer
3		septic tanks or by the City of Sparks. GBWC-SSD consists of one (1) water system serving
4		approximately 604 <sup>5</sup> customers. GBWC-SSD owns and maintains 716.06 acre-feet annually
5		(AFA) of water rights to provide water service to its customer base. Vol V, Section 1.2.1
6		of the 2024 IRP provides a more detailed description of the water system.
7		
8		Section 2:
9		Pahrump Division Projects Previously Approved for System
10		Improvement Rates (SIR)
11		
12	Pahru	mp Division Firebird Circle Loop Project (Project ID 2021209):
13		
14	Q.9	PLEASE PROVIDE A DESCRIPTION OF THE FIREBIRD CIRCLE LOOP
15		PROJECT.
16	A.9	The scope of the Firebird Circle Loop Project included the installation of 2,720 linear feet
17		of twelve (12) inch pipe to connect to the existing eight (8) inch pipe at Well 11 to the
18		fourteen (14) inch main west of Dandelion Street on Firebird Circle. The installation of
19		1,395 linear feet of fourteen (14) inch pipe completed the Firebird Circle Loop. In addition
20		to this, 531 linear feet of ten (10) inch water main was installed to the Calvada Valley Well
21		10.
22		
23	Q.10	WHAT ARE THE BENEFITS OF THIS PROJECT?
24	A.10	The completion of this project brings fire protection along the west side of State Highway
25		160 ("Hwy. 160"), which will benefit the surrounding commercial properties. It will also
26		allow fire service personnel to connect to fire hydrants in this area in case of emergencies,
27		<sup>5</sup> 2024 IRP, Volume V Table 3.01: Population and Service Connection Projections.
28		
		11

GBWC\_2024 Rate Case\_Vol. 5, Page 119 of 389

1		eliminating the possibility that the highway may need to be shut down during a fire event.
2		The installation of the new piping and fire hydrants will eliminate the need to install hoses
3		
		across Hwy. 160 and will provide firefighting support to the commercial properties in the
4		Firebird Circle Loop area. Additionally, in the event of a main break along State Highway
5		372 ("Hwy. 372"), GBWC will now be able to isolate the affected main line break more
6		efficiently. Previously, familiarity with the water systems infrastructure and pressure
7		differences between the areas of Hwy. 372, Firebird Circle Loop, and turning on/off Well
8		11 was required during a main break to avoid further damage of the water system and
9		surrounding areas when isolating mains and closing valves. The additional improvements
10		along Firebird Circle Loop enable GBWC to upgrade Well 10. The upgrading of Well 10
11		from an irrigation well to a production well, a project that will be placed in service after
12		this Consolidated Rate Case filing in a Certification filing, will provide GBWC the
13		following: additional water source, additional support and redundancy to existing utility
14		customers, firefighting service needs, and eliminate dead ends.
15		
16	Q.11	WHEN WAS THE PD FIREBIRD CIRCLE LOOP PROJECT PLACED INTO
16 17	Q.11	WHEN WAS THE PD FIREBIRD CIRCLE LOOP PROJECT PLACED INTO SERVICE?
	<b>Q.11</b> A.11	
17		SERVICE?
17 18	A.11	SERVICE?
17 18 19	A.11	<b>SERVICE?</b> This project was placed into service on June 25, 2023.
17 18 19 20	A.11	SERVICE? This project was placed into service on June 25, 2023. DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP
17 18 19 20 21	A.11	SERVICE? This project was placed into service on June 25, 2023. DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESSS?
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> </ol>	A.11	SERVICE? This project was placed into service on June 25, 2023. DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESSS? A.12 Yes. The project was recommended as part of the Action Plan in the GBWC 2018
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> </ol>	A.11	SERVICE? This project was placed into service on June 25, 2023. DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESS? A.12 Yes. The project was recommended as part of the Action Plan in the GBWC 2018 Consolidated IRP and received approval from the Commission. Please see December 28,
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> </ol>	A.11	<ul> <li>SERVICE?</li> <li>This project was placed into service on June 25, 2023.</li> <li>DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESS?</li> <li>A.12 Yes. The project was recommended as part of the Action Plan in the GBWC 2018</li> <li>Consolidated IRP and received approval from the Commission. Please see December 28, 2018, Modified Final Order issued in Docket 18-03005 ("2018 IRP Order"), at p. 8 ¶</li> </ul>
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> </ol>	A.11	<ul> <li>SERVICE?</li> <li>This project was placed into service on June 25, 2023.</li> <li>DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESS?</li> <li>A.12 Yes. The project was recommended as part of the Action Plan in the GBWC 2018</li> <li>Consolidated IRP and received approval from the Commission. Please see December 28, 2018, Modified Final Order issued in Docket 18-03005 ("2018 IRP Order"), at p. 8 ¶</li> </ul>
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> </ol>	A.11 Q.12	SERVICE? This project was placed into service on June 25, 2023. DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESS? A.12 Yes. The project was recommended as part of the Action Plan in the GBWC 2018 Consolidated IRP and received approval from the Commission. Please see December 28, 2018, Modified Final Order issued in Docket 18-03005 ("2018 IRP Order"), at p. 8 ¶ 2(a)(xvii.), 86 ¶ 240.
<ol> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> <li>27</li> </ol>	A.11 Q.12	SERVICE? This project was placed into service on June 25, 2023. DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESS? A.12 Yes. The project was recommended as part of the Action Plan in the GBWC 2018 Consolidated IRP and received approval from the Commission. Please see December 28, 2018, Modified Final Order issued in Docket 18-03005 ("2018 IRP Order"), at p. 8 ¶ 2(a)(xvii.), 86 ¶ 240.

GBWC\_2024 Rate Case\_Vol. 5, Page 120 of 389

1	
2	

### FOR RECOVERY IN A SYSTEM IMPROVEMENT RATE DOCKET?

A.13 Yes, in Docket No. 23-09015,<sup>6</sup> Commission Staff and GBWC reached a stipulated agreement on the final costs of the Firebird Circle Loop Project recoverable through a system improvement rate, at a stipulated cost of \$1,388,533.75, with a downward adjustment to the costs recoverable through SIR for a 531 foot portion of 10-inch pipeline that had been constructed to the Calvada Valley Well 10 site which was not yet used and useful at the time of the SIR filing (pending completion of the Well 10 municipal well conversion project).<sup>7</sup> The stipulation was accepted by the Commission and approved in its Order in Docket No. 23-09015 dated December 21, 2023, and the system improvement rate was implemented thereafter. My testimony and the supporting documentation demonstrate that the costs to complete this prudent project were reasonable and recoverable through GBWC's general rates.

# **Q.14 WHAT WAS THE ESTIMATED PROJECT COST IN THE IRP?**

A.14 The estimated cost for this project was \$1,002,661, as presented in the 2018 IRP.

### 17 Q.15 WHAT WAS THE FINAL PROJECT COST?

A.15 The total project completion cost was \$1,388,533.75.

# Q.16 IS THERE ANY PORTION OF THIS COST THAT GBWC IS NOT SEEKING TO RECOVER THROUGH THE INSTANT RATE CASE?

A.16 No. While the SIR sur-charge proposed by GBWC, and approved, in Docket No. 23-09015

was based on a discount of the total stipulated cost to represent the 531 linear feet of line

26 03005 and for other relief properly related thereto.

<sup>&</sup>lt;sup>6</sup> PUNC Docket No. 23-09015, Application of Great Basin Water Co. for authority to establish a system improvement rate in the Pahrump Division for an eligible project designated by the Commission in Docket No. 18-

 <sup>&</sup>lt;sup>7</sup> The Well 10 Project is described in more detail later in my testimony and is being submitted for recovery in this Application as an ECIC project, as it is expected to be completed and placed in service within 210 days of the filing of the Application.

1

6

7

11

5

# 0.17 WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS **APPROVED BY THE COMMISSION?**

all of the pipe installed for the Firebird Circle Loop project "used and useful.

that had been installed to the Well 10 site which was not (as of that time) used and useful,

GBWC is requesting to recover the total completion cost in this rate case, based on the

completion of the Well 10 project in the near-term as an ECIC project, which will render

8 Yes, there were changes to this project. As described above, the Firebird Circle project A.17 9 also included the installation of 531 linear feet of 10-inch water main from the west zone 10 of the new fourteen (14) inch pipe to the Well 10 site. Also, the installation of an additional 1,395 linear feet of fourteen (14) inch pipe was required to complete the entire looping of 12 Firebird Circle and to connect Well 11, Well 9, and future municipal Well 10 into the main 13 system. Initially, the additional piping was not identified during the GBWC 2018 14 Consolidated IRP process because Well 10 was originally an irrigation well that only 15 served Discovery Park at that time. In the GBWC 2021 Consolidated IRP Process, GBWC 16 identified, and the Commission approved, the Well 10 site to be converted from an 17 irrigation well to a municipal well. Firebird Circle is comprised of four zones with only 18 one zone, the north zone, having infrastructure connected to the main system and to Well 19 11. The remaining three zones are as follows: The east and south zones are comprised of 20 2,720 linear feet of new twelve (12) inch pipe, which has been connected to the existing eight (8) inch pipeline in the northern zone. The west zone was installed with the additional 22 1,395 linear feet of fourteen (14) inch pipe and tied into the existing ten (10) inch pipe on 23 the northwest side of Firebird Circle.

24

21

25

# 26

# **CONCEPTUAL ESTIMATE?** A.18 As stated, the final costs of this project totaled \$1,388,601, broken down as set forth below.

**0.18 HOW DO THE FINAL COSTS OF THIS PROJECT COMPARE TO THE IRP** 

27 28

# GBWC\_2024 Rate Case\_Vol. 5, Page 122 of 389

		PD Firebird Circ	le Looping Project	
	Acti		Actual Costs Requeste	ed for Recover
E O	ngineering, Design wersight of Constr	n, Permitting and	\$116,60	
Construction			\$1,173,611	
С	aptime		\$7,428	
Ν	lisc.		\$4,507	
А	FUDC		\$86,455	5
Т	otal Project Cost		\$1,388,6	01
	Please <i>see</i> Dataro		ny, folder entitled, "Fired	bird Circle Loo
<b>).19</b> A.19	INV GL RTRMT	". <b>ITY SOLICIT BIDS</b> four bids solicited for	ny, folder entitled, " <i>Fired</i> FOR THIS PROJECT? this project and three co	
-	<i>INV GL RTRMT</i> <sup>*</sup> <b>DID THE UTIL</b> Yes, there were	". <b>ITY SOLICIT BIDS</b> four bids solicited for w.	FOR THIS PROJECT?	
-	<i>INV GL RTRMT</i> <sup>*</sup> <b>DID THE UTIL</b> Yes, there were	". <b>ITY SOLICIT BIDS</b> four bids solicited for w.	FOR THIS PROJECT? this project and three co	
-	INV GL RTRMT <sup>*</sup> DID THE UTIL Yes, there were summarized belo	". <b>ITY SOLICIT BIDS</b> four bids solicited for w.	FOR THIS PROJECT? this project and three controls by the second s	ontractors respo

GBWC\_2024 Rate Case\_Vol. 5, Page 123 of 389

3

4

5

Please *see* Dataroom, Ashcraft Testimony, folder entitled, "*Firebird Circle Loop Project INV GL RTRMT*".

# Q.20 DID THE UTILITY AWARD THE CONTRACT TO THE LOWEST BIDDER? IF NOT, WHY?

A.20 No, GBWC did not award the contract to the lowest bidder. GBWC received a bid from 6 7 Floyd Construction, 3D Construction, and JBM Construction. GBWC requested additional 8 information from each contractor to select the best-suited bidder. Specifically, GBWC 9 requested information on proposed project staffing to ensure that the work could be 10 completed in a timely fashion and with safety at the forefront. Each contractor provided 11 GBWC with the number of crews on hand for the project as well as the number of team 12 members per crew. Floyd Construction stated they would have two (2) crews with five (5) 13 team members per crew or one (1) crew with five (5) team members, depending on project 14 timing. 3D Construction stated they would have up to two (2) crews with two (2) team 15 members per crew. JBM Construction stated they would have one (1) crew with up to six 16 (6) team members. While 3D Construction submitted the lowest bid, GBWC was concerned 17 about the safety of any contractor using only two (2) team members to perform all of the 18 excavation, pipe installation, back filling, and compacting work. Therefore, with only a 19 2.6% difference in price between 3D Construction and Floyd Construction's proposals, it 20 was determined that Floyd Construction would be best equipped to complete this project in 21 a safe and timely manner.

- 22
- 23 24

# Q.21 DID THE UTILITY SOLICIT AN ENGINEERING PROPOSAL FOR THIS PROJECT?

A.21 Yes, GBWC requested proposals from three engineering firms for the engineering, design,
 and oversight of construction. Two firms did not respond to the RFP request. One firm,
 Civilwise Services, provided a proposal for the design, engineering, staking and

16

1		construction oversight in the amount of \$83,780. With Civilwise being the only
2		engineering firm to provide a proposal, GBWC selected Civilwise to be the Engineer of
3		Record for the project. In addition, GBWC reached out to T.Y. Lin International to
4		represent GBWC as the Owner's Engineer for this project. T.Y. Lin's responsibility is as
5		follows: provide engineering review and approval of the plan sets, review soils geo-tech
6		report, provide a working water model (required by the Nevada Division of Environmental
7		Protection ("NDEP")) for authorization to construct), provide guidance, and review any
8		modification requests during construction, if necessary. GBWC received an initial proposal
9		of \$20,000 from T.Y. Lin International, which included a base cost, time frame and
10		material, as well as service review and make recommendation of the design Plan Set,
11		provide assistance with the selection of the contractor, provide oversight of the installation
12		of the pipeline, and provide the Final Closeout Report and Submit to NDEP. Nye
13		County's review and permitting costs totaling \$12,820.
14		
15		Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Firebird Circle Loop RFP
16		BIDS CONTRACTS".
17		
18	Q.22	PLEASE PROVIDE ALL EXECUTED CONTRACTS FOR THE PD FIREBIRD
19		CIRCLE LOOP PROJECT.
20	A.22	Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Firebird Circle Loop RFP
21		BIDS CONTRACTS".
22		
23	Q.23	PLEASE PROVIDE ALL PERMITS FOR THE PD FIREBIRD CIRCLE LOOP
24		PROJECT.
25	A.23	Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Firebird Circle Loop
26		REPORTS, PERMITS, PHOTOS, and MISC".
27		
28		
		17

GBWC\_2024 Rate Case\_Vol. 5, Page 125 of 389

1	Q.24	PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE PD
2		FIREBIRD CIRCLE LOOP PROJECT FOR THE COMMISSION'S
3		CONSIDERATION.
4	A.24	Please see Dataroom, Ashcraft Testimony, folder entitled, PD Firebird Circle Loop
5		REPORTS, PERMITS, PHOTOS, and MISC.
6		
7	Q.25	PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF
8		THIS PROJECT?
9	A.25	There were no assets retired with this project.
10		
11	Q.26	WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS
12		PROJECT WERE REASONABLE?
13	A.26	As previously described in the testimony of James Eason in Docket No. 23-09015, GBWC
14		concluded this project was necessary as the project was recommended as part of the Action
15		Plan in the GBWC 2018 Consolidated IRP and provides fire protection on the west side of
16		Highway 160. The added infrastructure will allow fire services to connect to fire hydrants
17		on the west side of the Highway. In addition, the completion of the project aligns with
18		GBWC's objective to rehabilitate Well 10 from an irrigation well to a municipal well and
19		connect it to the Calvada Main System, as recommended in the Action Plan for the GBWC
20		2021 Consolidated IRP. This, in turn, increases the source water available to existing
21		customers in the event there is a disruption to the water supply from other wells in the area.
22		
23		GBWC provided thorough oversight and followed best business practices in bidding,
24		decision-making, invoice review, as well as cost-saving measures. GBWC selected the
25		lowest construction bid that also included the requisite staffing proposals to ensure the safe
26		and efficient completion of the project.
27		
28		10
		18

GBWC\_2024 Rate Case\_Vol. 5, Page 126 of 389

5

6

7

8

9

10

11

### Pahrump Division Mountain View Estates Interconnect Project (Project ID 2022119):

# Q.27 PLEASE PROVIDE A DESCRIPTION OF THE PD MOUNTAIN VIEW ESTATES INTERCONNECT PROJECT.

A.27 The purpose of the Mountain View Estates Interconnect Project was to connect the Mountain View Estates community, which had operated on a standalone water system, with GBWC's main water system in the Pahrump Division. The scope of the project consisted of the installation of 4,336 liner feet of twelve (12)-inch C-900 water main, ten (10) hydrants, six (6) combination air release valves, and one (1) six (6)-inch pressure reducing valve and other appurtenances. In addition, there was a removal of a hydropneumatic tank and well from the Mountain View Estates water system. The well was disconnected from the system and capped for future use.

13

12

14

# Q.28 WHAT ARE THE BENEFITS OF THIS PROJECT?

15 A.28 The completion of this project removes the residences in the Mountain View Estates 16 community from the existing well and a 4,000-gallon hydro-pneumatic tank. The existing 17 well was drilled in 1975 and then replaced with a new well in 1989 and has been the only 18 source of water for the residents. When the pumping equipment fails, the residents are left 19 without water service until new pumping equipment is installed. Throughout the years, the 20 well has experienced some sanding and aeration issues during operation, which has resulted 21 in customer complaints. Since this was the system's only water source storage was limited 22 to a 4,000-gallon hydro-pneumatic tank, it would have been very difficult to take the well 23 offline, install temporary storage, and transport potable water while the well was offline to 24 conduct an inspection of the casing. In addition, the existing well has experienced a decline 25 in the static water level and the pumping water levels, which is located in the screen interval 26 section of the well casing. Since the replacement well has already lasted twice the lifetime 27 of the original well, it was determined that the well had reached the end of its useful life.

	Now that the Mountain View Estates community has been brought into GBWC's main
	water system, the community will be served by five (5) wells, two (2) ground water storage
	tanks, and a series of fire hydrants to provide fire protection.
Q.29	WHEN WAS THE MOUNTAIN VIEW ESTATES INTERCONNECT PROJECT
	PLACED INTO SERVICE?
A.29	The Mountain View Estates Interconnect Project was placed into service on December 26,
	2023.
Q.30	DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP
	PROCESS?
A.30	Yes. The Mountain View Estates Interconnect Project was recommended as part of the
	Action Plan in the GBWC 2021 Consolidated IRP and received approval from the
	Commission. Please see July 19, 2021, order issued in the GBWC Consolidated IRP
	(Docket No. 21-03003) ("2021 IRP Order") at p.3 ¶ 2(e).
Q.31	HAS THE MOUNTAIN VIEW ESTATES INTERCONNECT PROJECT
	ALREADY BEEN APPROVED FOR RECOVERY IN A SYSTEM
	IMPROVEMENT RATE DOCKET?
A.31	Yes, in Docket No. 24-02023,8 Commission Staff and GBWC reached a stipulated
	agreement on the final costs of the Mountain View Estates Interconnect Project recoverable
	through a system improvement rate, at a stipulated cost of \$1,147,494. The stipulation was
	accepted by the Commission and approved in its Order in Docket No. 24-02023 dated May
	16, 2024, and the system improvement rate was implemented thereafter. My testimony
	and the supporting documentation demonstrate that the costs to complete this prudent
improv	<sup>8</sup> PUCN Docket No. 24-02023, Application of Great Basin Water Co. for authority to establish a system ement rate in the Pahrump Division for an eligible project designated by the Commission in Docket No. 21-

project were reasonable and recoverable through GBWC's general rates.

# Q.32 WHAT WAS THE ESTIMATED PROJECT COST IN THE IRP?

A.32 The estimated cost for this project was \$1,372,021, as presented in the 2021 IRP.

# Q.33 WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS APPROVED BY THE COMMISSION?

A.33 There were no changes to the scope of the project. However, when the contractor connected the new pipeline to the point of connection within the Comstock Mobile Home Park, it was found that the existing infrastructure inside the park included many inoperable water valves. A decision was made to replace the inoperable valves to ensure proper shutdown during the connection of the new pipeline to the main system, and to provide the necessary fire flow in accordance with what was included in the water model approved by NDEP. In total, it was determined that six (6) of the water valves, which were approximately fifty (50) years old, needed to be replaced in order to meet the requirements of the project and minimize the interruption of water service in the of event a water break in the Comstock Mobile Home Park area.

In addition, it was necessary to install a PRV in order to reduce water pressure once the new water main was brought onto Bunch Street. GBWC utilized the existing SCADA remote terminal unit cabinet at the Mountain View well and hydro-pneumatic tank site and converted it to monitor the new PRV on Bunch Street.

# 

# Q.34 WHAT WERE THE FINAL COSTS OF THE PROJECT AND HOW DO THEY COMPARE TO THE IRP CONCEPTUAL ESTIMATE?

A.34 The actual cost of the project was \$1,211,586 and was within the IRP conceptual estimate.
The project came in at approximately 11% under the approved estimate.

		w Estates Interconne	
	Activity		ctual Costs
	Engineering, Design, Permitting,	, and	\$187,053
	Oversight of Construction		· · ·
	Construction		\$975,569
	Captime		\$12,620
	Misc.		\$2,880
	AFUDC		\$33,464
	Total Project Cost		\$1,211,586
	Please <i>see</i> Dataroom, Ashcraft Te		ea, <i>ID</i> Mountain Vie
	Interconnect Project INV GL RTR	MT‴	
Q.35	DID THE UTILITY SOLICIT B		DJECT?
<b>Q.35</b> A.35		BIDS FOR THIS PRO	)JECT?
-	DID THE UTILITY SOLICIT B	BIDS FOR THIS PRO	DJECT?
-	<b>DID THE UTILITY SOLICIT B</b> Yes, there were three (3) bids solic	BIDS FOR THIS PRO	DJECT?
-	DID THE UTILITY SOLICIT B Yes, there were three (3) bids solic CONS	BIDS FOR THIS PRO	DJECT? 3D Construction
-	DID THE UTILITY SOLICIT B Yes, there were three (3) bids solic CONS	BIDS FOR THIS PRO wited for this project. TRUCTION BIDS	
-	<b>DID THE UTILITY SOLICIT B</b> Yes, there were three (3) bids solic <b>CONS</b> JBM Underground	BIDS FOR THIS PRO Stited for this project. TRUCTION BIDS Floyd Construction	3D Construction
-	<b>DID THE UTILITY SOLICIT B</b> Yes, there were three (3) bids solic <b>CONS</b> JBM Underground	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735	3D Construction Declined/over phor
-	<b>DID THE UTILITY SOLICIT B</b> Yes, there were three (3) bids solic <b>CONS</b> JBM Underground         Did not respond	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735	3D Construction Declined/over phor
-	DID THE UTILITY SOLICIT B         Yes, there were three (3) bids solic         CONS         JBM Underground         Did not respond         Please see Dataroom, Ashcraft Te	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735	3D Construction Declined/over phor
A.35	DID THE UTILITY SOLICIT B         Yes, there were three (3) bids solic         CONS         JBM Underground         Did not respond         Please see Dataroom, Ashcraft Te	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735 estimony, folder entitle ONTRACTS".	3D Construction Declined/over phor ed, "PD Mountain Vie
A.35	<b>DID THE UTILITY SOLICIT B</b> Yes, there were three (3) bids solic <b>CONS</b> JBM Underground         Did not respond         Please see Dataroom, Ashcraft Te         Interconnect Project RFP BIDS Construction	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735 estimony, folder entitle ONTRACTS".	3D Construction Declined/over phor ed, "PD Mountain Vie
A.35 Q.36	DID THE UTILITY SOLICIT B         Yes, there were three (3) bids solic         CONS         JBM Underground         Did not respond         Please see Dataroom, Ashcraft Te         Interconnect Project RFP BIDS Co         DID THE UTILITY AWARD TI         NOT, WHY?	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735 estimony, folder entitle ONTRACTS". HE CONTRACT TO	3D Construction Declined/over phor ed, " <i>PD Mountain Vie</i> <b>THE LOWEST BID</b>
A.35 Q.36	<b>DID THE UTILITY SOLICIT B</b> Yes, there were three (3) bids solic <b>CONS</b> JBM Underground         Did not respond         Please see Dataroom, Ashcraft Te         Interconnect Project RFP BIDS CO <b>DID THE UTILITY AWARD TH</b>	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735 estimony, folder entitle ONTRACTS". HE CONTRACT TO	3D Construction Declined/over phor ed, " <i>PD Mountain Vie</i> <b>THE LOWEST BID</b>
A.35 Q.36	DID THE UTILITY SOLICIT B         Yes, there were three (3) bids solic         CONS         JBM Underground         Did not respond         Please see Dataroom, Ashcraft Te         Interconnect Project RFP BIDS Co         DID THE UTILITY AWARD TI         NOT, WHY?	BIDS FOR THIS PRO eited for this project. TRUCTION BIDS Floyd Construction \$849,735 estimony, folder entitle ONTRACTS". HE CONTRACT TO	3D Construction Declined/over phor ed, " <i>PD Mountain Vie</i> <b>THE LOWEST BID</b>

GBWC\_2024 Rate Case\_Vol. 5, Page 130 of 389

# Q.37 DID THE UTILITY SOLICIT AN ENGINEERING PROPOSAL FOR THIS PROJECT?

A.37 Yes, there were three (3) engineering firms that were solicited to bid on this project. One(1) engineering firm did not respond to the RFP and two (2) firms provided proposals.GBWC selected Kimley-Horn as the lowest proposal.

6						
7		Engineering Bids				
8		Impulse Engineering	Kimley-Horn	Lochsa Engineering		
9		\$134,300	\$128,295	Did not respond		
10						
11		GBWC also reached out to T.Y. Lin and requested a proposal to be GBWC Owner's				
12		Engineer for this project. T.Y. Lin provided a proposal of \$20,000 to assist GBWC with				
13		the issuance of the RFPs for e	ngineering and construction, as	ssistance with the selection of		
14		an engineer, recommendation	s on the design plan set by th	e chosen engineer, assistance		
15		with the selection of the contractor, and recommendations on the final close out report.				
16						
17		Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Mountain View Estates				
18		Interconnect Project RFP BIDS CONTRACTS".				
19						
20	Q.38	PLEASE PROVIDE ALL E	<b>EXECUTED CONTRACTS I</b>	FOR THE PD MOUNTAIN		
21		VIEW ESTATES INTERCO	ONNECT PROJECT.			
22	A.38	Please see Dataroom, Ashcra	ft Testimony, folder entitled,	"PD Mountain View Estates		
23		Interconnect Project RFP BIDS CONTRACTS".				
24						
25	Q.39	PLEASE PROVIDE ALL P	ERMITS FOR THE PD MO	UNTAIN VIEW ESTATES		
26		INTERCONNECT PROJE	CT.			
27	A.39	Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Mountain View Estates				
28						
			23			

Interconnect Project REPORTS, PERMITS, PHOTOS, and MISC".

2					
3	Q.40	PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE PD			
4		MOUNTAIN VIEW ESTATES INTERCONNECT PROJECT FOR THE			
5		COMMISSION'S CONSIDERATION.			
6	A.40	Please see Dataroom, Ashcraft Testimony, folder entitled, PD Mountain View Estates			
7		Interconnect Project REPORTS, PERMITS, PHOTOS, and MISC.			
8					
9	Q.41	PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF			
10		THIS PROJECT?			
11	A.41	GBWC retired a 4,000-gallon hydro-pneumatic tank and two hundred and ten (210) feet of			
12		three (3)-inch PVC Sch. 40 water main.			
13					
14	Q.42	WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS			
15		PROJECT WERE REASONABLE?			
16	A.42	As previously described in the testimony of James Eason in Docket No. 24-02023, by			
17		connecting the Mountain View Estates community to GBWC's main water system, GBWC			
18		has provided those residences with a more reliable water supply, more storage capacity,			
19		and adequate fire flow protection. GBWC provided thorough oversight and followed best			
20		business practices in bidding, decision-making, invoice review, as well as cost-saving			
21		measures. The final costs of the project were reasonable and under budget compared to			
22		what was approved in the GBWC 2021 Consolidated IRP.			
23					
24					
25		Pahrump Division SCADA Water Upgrade Project (Project ID 2022219):			
26					
27	Q.43	PLEASE PROVIDE A DESCRIPTION OF THE SCADA WATER UPGRADE			
28					
		24			

GBWC\_2024 Rate Case\_Vol. 5, Page 132 of 389

3

4

5

6

7

8

9

10

11

12

### **PROJECT.**

A.43 This project involved a conversion of GBWC-PD's existing water SCADA control, alarm, and monitoring system to the new VTSCADA system, as well as an upgrade of all GBWC-PD's water facilities' communication equipment to the Ubiquiti Network Radio Products. The VTSCADA platform has been selected by GBWC's corporate parent, Nexus, for all of its business units as it is better positioned to address modern enhanced cyber security threats and evolving cyber security requirements. The deployment of the new VTSCADA platform and software leverages the centralized infrastructure of the Nexus VTSCADA environment to provide system resiliency and greater security. The vendor assisted with integrating the new Pahrump VTSCADA solution into the Nexus enterprise VTSCADA solution with two offsite server locations.

As a design principle, the new system will inherit the legacy system's control and operation parameters and layer in new design elements as appropriate. This design approach was intended to create a modern SCADA system combined with the familiarity of the system that GBWC operations staff is currently using.

The scope of work included upgrading the connections for GBWC-PD's fourteen (14) wells, four (4) booster stations, and seven (7) ground storage tanks within the water SCADA system.

21 22

26

27

28

17

18

19

20

### **Q.44** WHAT ARE THE BENEFITS OF THIS PROJECT?

A.44 This project replaced an antiquated water SCADA system with a new water VTSCADA
 platform. The new system offers enhanced monitoring, security, and protection against
 external threats, ensuring a safe and reliable water supply.

Water level transducers were also installed at all wells where conditions were applicable.

GBWC\_2024 Rate Case\_Vol. 5, Page 133 of 389

1		The transducer set-up provides the operators real time pumping and static water levels
2		within the wells. In addition, this information allows GBWC to monitor and record the
3		changing ground water levels within the aquifer that may cause pumping issues or possible
4		damage to the pumping equipment during operations.
5		
6		GBWC also installed motor savers at well sites and booster sites to allow the operators the
7		ability to identify power fluctuations, imbalances, and power brownouts, which could
8		cause catastrophic damage to a motor and pump assembly.
9		
10	Q.45	WHEN WAS THE SCADA WATER UPGRADE PROJECT PLACED INTO
11		SERVICE?
12	A.45	This project was placed into service on December 4, 2023.
13		
14	Q.46	DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP
15		PROCESS?
16	A.46	Yes. The project was recommended as part of the Action Plan in the GBWC 2021
17		Consolidated IRP and received approval from the Commission. Please see 2021 IRP Order
18		at p. 3 ¶ 2(c).
19		
20	Q.47	HAS THE SCADA WATER UPGRADE PROJECT ALREADY BEEN APPROVED
21		FOR RECOVERY IN A SYSTEM IMPROVEMENT RATE DOCKET?
22	A.47	Yes, in Docket No. 24-02023,9 Commission Staff and GBWC reached a stipulated
23		agreement on the final costs of the Water SCADA Upgrades Project recoverable through a
24		system improvement rate, at a stipulated cost of \$533,618. The stipulation was accepted
25		by the Commission and approved in its Order in Docket No. 24-02023 dated April 22,
26		<sup>9</sup> PUCN Docket No. 24-02023, Application of Great Basin Water Co. for authority to establish a system
27		ement rate in the Pahrump Division for an eligible project designated by the Commission in Docket No. 21- and for other relief properly related thereto.
28		ma jer emer remej property remien mereto.

1 2024, and the system improvement rate was implemented thereafter. My testimony and 2 the supporting documentation demonstrate that the costs to complete this prudent project 3 were reasonable and recoverable through GBWC's general rates. 4 5 **Q.48** WHAT WAS THE ESTIMATED PROJECT COST IN THE IRP? 6 A.48 The estimated cost for this project was \$533,207, as presented in the 2021 IRP. 7 8 **Q.49** WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS 9 **APPROVED BY THE COMMISSION?** 10 A.49 There were no substantial changes to the scope of work for this project since it was first 11 approved in the GBWC 2018 Consolidated IRP, and then re-approved in the GBWC 2021 12 Consolidated IRP. 13 14 In 2020, GBWC's corporate parent initiated a global business unit requirement that all new 15 SCADA upgrade projects for large water and wastewater systems must be constructed on 16 a more robust and secure platform (VTSCADA). This project was completed in compliance 17 with that requirement. 18 19 When GBWC initially sent out an RFP in 2020 to four (4) prospective vendors for this 20 project, the initial proposals received exceeded \$900,000. GBWC decided to cancel the 21 first RFP and revise the project to seek separate proposals for upgrades to both the water 22 and wastewater SCADA systems in the Pahrump Division. GBWC received re-approval 23 of the SCADA Water Upgrade Project in the GBWC 2021 Consolidated IRP. In 2022, 24 GBWC requested updated proposals for water SCADA upgrades from Wunderlich-Malec 25 and Delta Systems. Only Delta Systems provided an updated proposal, as Wunderlich-26 Malec declined. GBWC awarded the contract to Delta Systems based on its updated 27 proposal. 28

# GBWC\_2024 Rate Case\_Vol. 5, Page 135 of 389

1 2 In completing the SCADA Water Upgrade Project, GBWC experienced some minor 3 challenges in connecting the PRV sites. Once infrastructure had been installed at the PRV 4 sites, it was discovered that some sites lacked the ability to communicate with the 5 VTSCADA server. It was determined that an additional six (6) access points were needed to remedy the communication issues, which were attributed to interference from signs, 6 7 buildings, and vegetation. The new access points needed to be specifically designed and 8 installed at these sites before communication could be established. After the access points 9 were installed, communication was established with the VTSCADA server and all sites in 10 the Pahrump Division's water system. 11 12 **Q.50** WHAT WERE THE FINAL COSTS FOR THIS PROJECT AND HOW DO THEY 13 **COMPARE TO THE IRP CONCEPTUAL ESTIMATE?** 14 A.50 The total project completion cost was \$533,618.13, broken down as set forth below. The 15 actual cost of the project was within the IRP conceptual estimate. 16 17 **PD SCADA Water Upgrade Project** 18 Activity **Actual Costs** 19 Engineering, Design, and Construction \$494,850 20 \$9,112 Captime 21 Misc. and Permits \$2,008 22 AFUDC \$27,648 23 **Total Project Cost** \$533,618 24 25 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD SCADA Water Upgrade 26 Project INV GL RTRMT" 27 28 28

GBWC\_2024 Rate Case\_Vol. 5, Page 136 of 389

1 0.51 **DID THE UTILITY SOLICIT BIDS FOR THIS PROJECT?** 2 A.51 Yes, there were four (4) bids solicited for this project in 2020 and GBWC made requests 3 for new proposals in 2022. 4 **2020 WASTEWATER & WATER CONSTRUCTION BIDS** 5 NCS Sierra Controls Wunderlich-Malec 6 Delta Systems Engineering 7 Declined \$1,136,915 Declined \$573,302 8 **2022 WATER CONSTRUCTION BIDS** NCS 9 Sierra Controls Wunderlich-Malec Delta Systems Engineering 10 N/A Declined N/A \$449,400 11 12 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD SCADA Water Upgrade 13 Project RFP BIDS CONTRACTS". 14 15 **Q.52 DID THE UTILITY AWARD THE CONTRACT TO THE LOWEST BIDDER? IF** 16 NOT, WHY? 17 A.52 Yes, GBWC did award the contract to the lowest and only bidder. 18 19 Q.53 DID THE UTILITY SOLICIT AN ENGINEERING PROPOSAL FOR THIS 20 **PROJECT?** 21 A.53 No, there were no third-party engineers for this project. The development of the project 22 scope was performed by GBWC staff, and the new SCADA system was designed by the 23 contractor. 24 25 **Q.54** PLEASE PROVIDE ALL EXECUTED CONTRACTS FOR THE SCADA WATER 26 **UPGRADE PROJECT.** 27 A.54 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD SCADA Water Upgrade 28 29

GBWC\_2024 Rate Case\_Vol. 5, Page 137 of 389

3

4

5

6

7

8

9

12

Project RFP BIDS CONTRACTS".

# Q.55 PLEASE PROVIDE ALL PERMITS FOR THE SCADA WATER UPGRADE PROJECT.

A.55 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD SCADA Water Upgrade Project REPORTS, PERMITS, PHOTOS, and MISC".

# Q.56 PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE SCADA WATER UPGRADE PROJECT FOR THE COMMISSION'S CONSIDERATION.

A.56 Please see Dataroom, Ashcraft Testimony, folder entitled, PD SCADA Water Upgrade
 Project REPORTS, PERMITS, PHOTOS, and MISC.

# Q.57 PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF THIS PROJECT?

- A.57 GBWC retired the following parts: fifteen (15) radios; fifteen (15) Yagi antennas; one (1)
   SCADA server and monitor, and two (2) Repeater radios
- 17

26

27

28

# 18 Q.58 WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS 19 PROJECT WERE REASONABLE?

# A.58 As previously described in the testimony of James Eason in Docket No. 24-02023, the SCADA Water Upgrade Project was essential due to the aging legacy system (nearly fifteen years), the need for improved monitoring, and the growing cybersecurity threats. GBWC provided thorough oversight and followed best business practices in bidding, decision-making, invoice review, as well as cost-saving measures. The final costs were reasonable, falling below estimates and ensuring safe, reliable service to customers.

Pahrump Division Mountain Falls Tank 1 Floor IRP Project (Project ID 2022121):

# GBWC\_2024 Rate Case\_Vol. 5, Page 138 of 389

# Q.59 PLEASE PROVIDE A DESCRIPTION OF THE PD MOUNTAIN FALLS TANK 1 FLOOR PROJECT.

A.59 The scope of work for the Mountain Falls Tank 1 Floor project included the following items and tasks completed by the contractor:

(a) Tank re-bottom, furnishing and application of protective coatings and paints to interior and exterior surfaces, disinfection of interior surfaces, surface preparation as well as other work necessary to accomplish the approved result of a totally protected and usable tank and structure, including all attachments, accessories, exposed piping and appurtenances.

(b) Supply and installation of all specified safety, sanitary, security and structural upgrades including surface preparation and coating application in compliance with the requirements specified herein.

The project consisted of overlaying the existing floor with three (3) inches of cement mix, the installation of 0.25-inch metal sheets over the new concrete floor, the temporary removal of the center column, and the re-installation of the existing column, once the new floor was installed and inspected. The contractor was required to install a door sheet into the shell of the tank to eliminate any confined space requirements while working within the interior of the water tank. The contractor welded all metal seams per scope of work. Once completed with welding, a soap test was performed on all seams for any vacuum leaks. If any leaks were found, the contractor repaired the weld prior to acceptance. The coatings of the tank floor were performed with approved NSF-61 Sherwin Williams Coatings. The existing exterior steel coating was pressure washed and cleaned prior to the application of the new exterior coatings.

1		The following operations were designed to comply with American Water Works			
2		Association ("AWWA") D.100 and D.102 tank construction compliance requirements and			
3		recommendations for welded steel tanks:			
4		1. Exterior Coating-Overcoat.			
5		2. Pressure wash all exterior areas per SSPC-SP1.			
6		3. Perform surface preparation to areas of spot coating failure.			
7		4. Spot prep areas of rusting per SSPC-SP 2 or 3.			
8		5. Sand the Logo to scarify the coating.			
9		6. Spot prime areas of spot surface preparations, bare steel, and the Logo with a surface			
10		tolerant epoxy.			
11		7. Product – Sherwin Williams Macropoxy 646 – Applied in One coat to an average of 3-			
12		5 mil DFT.			
13		8. Apply one full coat of Polysiloxane to all exterior areas.			
14		9. Product – Sherwin Williams Sheloxane 800 – Applied in One coat to an average of 3.5			
15		mil DFT.			
16					
17	Q.60	WHAT ARE THE BENEFITS OF THIS PROJECT?			
17 18	<b>Q.60</b> A.60	WHAT ARE THE BENEFITS OF THIS PROJECT? As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls			
18		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls			
18 19		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life.			
18 19 20		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life. The replacement of the heavily deteriorating steel floor in the Mountain Falls Tank 1 was			
18 19 20 21		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life. The replacement of the heavily deteriorating steel floor in the Mountain Falls Tank 1 was necessary to maintain the tank and ensure that it does not begin to leak due to the poor			
18 19 20 21 22		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life. The replacement of the heavily deteriorating steel floor in the Mountain Falls Tank 1 was necessary to maintain the tank and ensure that it does not begin to leak due to the poor condition of the floor. The completion of this project assures that Mountain Falls Tank 1			
<ol> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> </ol>		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life. The replacement of the heavily deteriorating steel floor in the Mountain Falls Tank 1 was necessary to maintain the tank and ensure that it does not begin to leak due to the poor condition of the floor. The completion of this project assures that Mountain Falls Tank 1 will continue to maintain and meet the NAC 445A.66745 requirements for operating			
<ol> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> </ol>		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life. The replacement of the heavily deteriorating steel floor in the Mountain Falls Tank 1 was necessary to maintain the tank and ensure that it does not begin to leak due to the poor condition of the floor. The completion of this project assures that Mountain Falls Tank 1 will continue to maintain and meet the NAC 445A.66745 requirements for operating storage, emergency reserve, and fire demand to the Mountain Falls water system. In			
<ol> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> </ol>		As described in the GBWC 2021 Consolidated IRP the completion of the Mountain Falls Tank 1 Floor Project was critical to repair existing infrastructure and extend its useful life. The replacement of the heavily deteriorating steel floor in the Mountain Falls Tank 1 was necessary to maintain the tank and ensure that it does not begin to leak due to the poor condition of the floor. The completion of this project assures that Mountain Falls Tank 1 will continue to maintain and meet the NAC 445A.66745 requirements for operating storage, emergency reserve, and fire demand to the Mountain Falls water system. In addition, the replacement of the floor extends the life of the existing structure, while saving			

# GBWC\_2024 Rate Case\_Vol. 5, Page 140 of 389

7

8

9

10

11

1

# Q.61 WHEN WAS THE PD MOUNTAIN FALLS TANK 1 FLOOR PROJECT PLACED INTO SERVICE?

A.61 This project was placed into service on September 25, 2023.

# Q.62 DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP PROCESS?

A.62 Yes. The project was recommended as part of the Action Plan in the GBWC 2021
 Consolidated IRP and received approval from the Commission. *Please see* 2021 IRP
 Order at p. 3 ¶ 2(d).

# Q.63 HAS THE MOUNTAIN FALLS TANK 1 FLOOR PROJECT ALREADY BEEN APPROVED FOR RECOVERY IN A SYSTEM IMPROVEMENT RATE DOCKET?

A.63 Yes, in Docket No. 23-12020,<sup>10</sup> Commission Staff and GBWC reached a stipulated agreement that \$624,131 of the total \$682,111 final cost of the Mt Falls Tank 1 Floor
Project recoverable through a system improvement rate. The stipulation was accepted by the Commission and approved in its Order in Docket No. 23-12020 dated March 1, 2024, and the system improvement rate was implemented thereafter. My testimony and the supporting documentation demonstrate that the full, total cost to complete this prudent project were reasonable and recoverable through GBWC's general rates.

22

23

# **Q.64** WHAT WAS THE ESTIMATED PROJECT COST IN THE IRP?

24 25

26

27

A.64

<sup>10</sup> See PUCN Docket No. 23-12020, Application of Great Basin Water Co. for authority to establish a system improvement rate in the Pahrump Division for an eligible project designated by the Commission in Docket No. 21-03003 and for other relief property related thereto.

The estimated cost for this project was \$685,269, as presented in the 2021 IRP.

# Q.65 WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS APPROVED BY THE COMMISSION?

A.65 Yes. A new 12-inch fill line was installed from the old inlet/outlet piping to the top of the tank. The additional work was associated with the installation of the new Mountain Falls Tank 2, which required two check valves, one gate valve to control the direction of water flow when filling the tank to provide water for the distribution system, and a new vault to house the new equipment. The cost for this portion of the project was paid in full by Taylor Morrison, a private developer, for the purpose of matching the new inlet fill line of the new 1.4-million-gallon Mountain Falls Tank 2 water tank, which Taylor Morrison is constructing on the same site as Mountain Falls Tank 1.

In addition, after further examination of the exterior coating of the Mountain Falls Tank 1, it was found that the roof coatings and the area of the door sheet cut-out (side wall of the tank) were in poor condition. GBWC reached out to three tank contractors to request proposals to pressure wash and recoat the exterior of the tank. Once GBWC received all proposals, the exterior work was awarded to Superior Tank Solutions. During the process of pressure washing the roof, it was found that the under coating (primer coat) of the tank was thin and showing slight rust. A change order was issued, and additional work was completed to neutralize the rust and add an additional coat of primer prior to the finish coat.

# Q.66 WHAT WERE THE FINAL COSTS OF THE PROJECT AND HOW DO THEY COMPARE TO THE IRP CONCEPTUAL ESTIMATE?

A.66 The total project completion cost was \$639,577, broken down as set forth below. The project came in at approximately 7% under the approved estimate.

PD Mountain I	PD Mountain Falls Tank 1 Floor		
Activity	Actual Costs		
Engineering, Design, Permitting, and	\$35,495		

	Oversight of Constru	iction				
	Construction		\$616,384			
	Captime		\$6,860			
	Misc. includes NDE	P fee	\$1,029			
	AFUDC		\$22,343			
	CIAC		(\$42,535)			
	Total Project Co	ost	\$639,577			
	Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Mountain Falls Te					
	Floor GL RTRMT".	Floor GL RTRMT".				
Q.67	DID THE UTILITY SOLI	CIT BIDS FOR THIS PF	ROJECT?			
A.67	Yes. There were three (3) bi	ds solicited for the tank re-	bottom project, as well as thr			
	bids solicited for the coating	of the exterior of Mountai	n Falls Tank 1.			
		Re-bottom Construction	Bids			
	Superior Tank Solutions	Paso Robles Tank	Resource Development			
	\$684,650	\$510,100	Declined to participate			
	Exterior Coating Construction Bids					
	Ex	sterior Coating Construct	tion Bids			
	Ex Superior Tank Solutions	xterior Coating Construct Paso Robles Tank	tion Bids Resource Development			
	Superior Tank Solutions	Paso Robles Tank	Resource Development			
	Superior Tank Solutions	Paso Robles Tank \$139,500.50	Resource Development Declined to participate			
	Superior Tank Solutions \$57,300	Paso Robles Tank \$139,500.50 aft Testimony, folder enti	Resource Development Declined to participate			
	Superior Tank Solutions \$57,300 Please <i>see</i> Dataroom, Ashcr	Paso Robles Tank \$139,500.50 aft Testimony, folder enti	Resource Development Declined to participate			
	Superior Tank Solutions \$57,300 Please <i>see</i> Dataroom, Ashcr	Paso Robles Tank \$139,500.50 aft Testimony, folder enti	Resource Development Declined to participate			

1	0.68	DID THE UTILITY AWARD THE CONTRACT TO THE LOWEST BIDDER? IF
2	2.00	NOT, WHY?
3	A.68	Yes, GBWC received two bids for the interior re-bottom project. The project was awarded
4		to Paso Robles as they were the lowest bidder.
5		
6		GBWC awarded the exterior coatings contract to the lowest bidder, Superior Tank
7		Solutions, after receiving and evaluating a total of three proposals. Resource Development
8		declined to participate in the exterior coating bid process.
9		
10	Q.69	DID THE UTILITY RETAIN ANY ENGINEERING SERVICES FOR THIS
11		PROJECT?
12	A.69	Yes. GBWC received an initial proposal of \$25,000 from T.Y. Lin International, which
13		included a base cost, time frame, and material review. T.Y. Lin International permitted the
14		tank rehabilitation with NDEP and provided a close out package at the conclusion of the
15		project, which was provided to NDEP.
16		
17		Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Mountain Falls Tank 1
18		Floor RFP BIDS CONTRACTS".
19		
20	Q.70	PLEASE PROVIDE ALL EXECUTED CONTRACTS FOR THE PD MOUNTAIN
21		FALLS TANK 1 FLOOR PROJECT.
22	A.70	Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Mountain Falls Tank 1
23		Floor RFP BIDS CONTRACTS".
24		
25	Q.71	PLEASE PROVIDE ALL PERMITS FOR THE PD MOUNTAIN FALLS TANK 1
26		FLOOR PROJECT.
27	A.71	Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Mountain Falls Tank 1
28		
		36
	I	

GBWC\_2024 Rate Case\_Vol. 5, Page 144 of 389

1 Floor REPORTS, PERMITS, PHOTOS, and MISC". 2 **Q.72** PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE PD 3 **MOUNTAIN FALLS TANK 1 FLOOR PROJECT FOR THE COMMISSION'S** 4 **CONSIDERATION.** 5 A.72 Please see Dataroom, Ashcraft Testimony, folder entitled, PD Mountain Falls Tank 1 Floor REPORTS, PERMITS, PHOTOS, and MISC. 6 7 8 **Q.73** PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF 9 **THIS PROJECT?** 10 A.73 GBWC retired the existing floor of the Mountain Falls Tank 1, as well as the Altitude Valve 11 on Mountain Falls Tank 1. 12 13 0.74 WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS 14 **PROJECT WERE REASONABLE?** 15 A.74 GBWC is seeking to recover through this rate case the total project completion cost of 16 \$682,111.27, in line with the project cost recovery previously approved by the 17 Commission. As previously described in the testimony of James Eason in Docket No. 23-18 12020, GBWC concluded this project was necessary since it was recommended as part of 19 the Action Plan in the GBWC 2021 Consolidated IRP. The Mountain Falls Tank 1 Floor 20 Project was completed under the pre-approved budget in the GBWC 2021 Consolidated 21 IRP, even accounting for additional exterior coating work identified during the. The 22 exterior work was required to eliminate the further degradation to the tank's exterior and 23 save additional construction costs while the tank was offline. The completion of the 24 Mountain Falls Tank 1 Floor Project will enable GBWC to continue to meet and provide 25 the operating storage, emergency reserve, and fire demand to the Mountain Falls water 26 system as required by the Nevada Administrative Code. In addition, the replacement of 27 the floor extends the life of the existing structure, saving all costs associated with replacing 28

#### GBWC\_2024 Rate Case\_Vol. 5, Page 145 of 389

	the existing tank with a new one.
	GBWC provided thorough oversight and followed best business practices in bidding,
	decision-making, invoice review, as well as cost-saving measures. The final costs were
	reasonable, falling below estimates and ensuring safe, reliable service to customers.
	Spring Creek Division Projects Previously
	Approved for System Improvement Rates (SIR)
	Spring Creek Division Pipeline Replacement Project Phase 4 (Project ID 2023080):
Q.75	PLEASE PROVIDE A DESCRIPTION OF THE SCD PIPELINE REPLACEMENT
	PROJECT PHASE 4.
A.75	The scope of work for the Pipeline Replacement Project included the installation of 10,040
	linear feet of eight (8) inch C900 watermain, seventeen (17) hydrants, fifteen (15) meter
	pits, eighty-three (83) service lines, seven (7) air release valves, and other appurtenances,
	including an eight (8)-inch PRV Station. In addition, GBWC has abandoned and retired
	10,040 linear feet of six (6)-inch PVC.
Q.76	WHAT ARE THE BENEFITS OF THIS PROJECT?
A.76	The project is a continuation of GBWC's multi-phase pipeline replacement program for
	the Spring Creek Division, first approved in the GBWC 2018 Consolidated IRP proceeding
	in Docket No. 18-03005 and re-approved in the 2021 Consolidated IRP proceeding (and
	most recently approved again in the 2024 Consolidated IRP proceeding). GBWC began
	engineering on Phases 1, 1A, 2, and 3 in the Spring Creek Division's 200 Tract in 2020,
	completing construction of those phases in 2021. The costs associated with those phases
	were approved for recovery in GBWC's 2021 Consolidated Rate Case proceeding that
	concluded in 2022. The Pipeline Replacement Project described in this testimony
	constitutes Phase 4 of the long-term pipe replacement project in the 200 Tract, which was
	38

#### GBWC\_2024 Rate Case\_Vol. 5, Page 146 of 389

1		completed in November 2023.		
2		This phase of the Pipeline Replacement Project involved the replacement of undersized		
3		and poor-condition pipeline that has been identified within the 200 Tract water system.		
4		Completion of the project will help reduce the number of main line/service lateral breaks		
5		and leaks, which will reduce non-revenue water in the 200 Tract water system. Completion		
6		of the project has also helped bring the system into conformance with NAC standards by		
7		using minimum eight (8)-inch diameter water main and adding valves. In case of a break,		
8		GBWC now has the ability to isolate the issue with minimal customer interruption. The		
9		project also includes the addition of fire hydrants as necessary to meet maximum spacing		
10		requirements, meet fire codes, and provide needed fire protection. The addition of air		
11		release valves will assist with managing entrained air and high pressures within the system.		
12		A PRV station will help with pressures and fire flows between the upper and lower pressure		
13		zones.		
14				
15	Q.77	WHEN WAS THE SCD PIPELINE REPLACEMENT PROJECT PLACED INTO		
16		SERVICE?		
17	A.77	This project was placed into service on November 27, 2023.		
18				
19	Q.78	DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION IN AN IRP		
20		PROCESS?		
21	A.78	Yes. This portion of the multi-phase pipeline replacement project was recommended as		
22		part of the Action Plan in the GBWC 2021 Consolidated IRP and received approval from		
23		the Commission. Please see 2021 IRP Order at p. 4, ¶ 5(d).		
24				
25	Q.79	HAS THE SCD PIPELINE REPLACEMENT PROJECT ALREADY BEEN		
26		APPROVED FOR RECOVERY IN A SYSTEM IMPROVEMENT RATE		
27		DOCKET?		
28				
		39		

GBWC\_2024 Rate Case\_Vol. 5, Page 147 of 389

1	A.79	Yes, in Docket No. 24-02018,11 Commission Staff and GBWC reached a stipulated		
2		agreement on the final costs of the SCD Pipeli	ine Replacement Project recoverable through	
3	a system improvement rate, at a stipulated cost of \$2,388,		cost of \$2,388,815. The stipulation was	
4	accepted by the Commission and approved in its Order in Docket No. 24-02018 dated I			
5		17, 2024, and the system improvement rate was implemented thereafter. My testimony		
6		and the supporting documentation demonstr	ate that the costs to complete this pruden	
7		project were reasonable and recoverable throu	igh GBWC's general rates.	
8				
9	Q.80	WHAT WAS THE ESTIMATED PROJEC	CT COST IN THE IRP?	
10	A.80	The cost for this project was estimated on a y	ear over year basis for a three-year period as	
11		follows: Year 1: \$1,066,998; Year 2: \$1,08	38,535; and Year 3: \$1,110,507, for a tota	
12		approved budget of \$3,266,040, as set forth in	the 2021 Consolidated IRP.	
13				
14	Q.81	WHAT WAS THE FINAL PROJECT COST?		
15	A.81	The total project completion cost was \$2,393,865, broken down as set forth below. The		
16		project came in at approximately 26% under t	he approved estimate.	
17		SCD Pipeline Replace	ement Project	
18		Activity	Actual Costs	
19		Engineering, Design, Permitting, and	\$160,553	
20		Oversight of Construction		
21		Construction	\$2,161,248	
		Captime	\$12,493	
22		Cuptille		
		Misc.	\$7,138	
22 23 24		*	\$7,138 \$52,432	

<sup>11</sup> See PUCN Docket No. 24-02018, Application of Great Basin Water Co. for authority to establish a system improvement rate in the Spring Creek Division for an eligible project designated by the Commission in Docket No. 21-03003 and for other relief properly related thereto.

1		Please see Please see Dataroom, Ashcraft Testimony, folder entitled, Confidential Spring
2		Creek Pipeline Replacement Phase Map
3		
4		See also Please see Dataroom, Ashcraft Testimony, folder entitled, "SCD Pipeline
5		Replacement Project INV GL RTRMT".
6		
7	Q.82	WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS
8		APPROVED BY THE COMMISSION?
9	A.82	No. There were no deviations from the project scope previously approved by the
10		Commission in the GBWC 2021 Consolidated IRP, which was to work within the 200
11		Tract and replace areas of pipe that had high break densities, undersized pipe, or aged
12		infrastructure.
13		
14	Q.83	HOW DO THE FINAL COSTS OF THE PROJECT COMPARE TO THE IRP
15		CONCEPTUAL ESTIMATE?
16	A.83	The actual final cost of the project was under the budget approved in the GBWC 2021
17		Consolidated IRP due to the following reasons:
18		
19		1. Contractor proposals for Phase 4 pipe replacement were significantly higher than the
20		estimated design costs for Phase 3, which GBWC received in 2021. Based on this, GBWC
21		decided to proceed with Phase 4, but planned phases (Phase 5 and Phase 6 in the 200 Tract,
22		along with Phase 1 in the 100 Tract) would be on hold until additional funding could be
23		identified, and those phases could be submitted and reviewed by the Commission in the
24		then-upcoming GBWC 2024 Consolidated IRP.
25		
26		2. During project construction, GBWC and FRC encountered difficulty procuring the
27		required meter pits for the project due to supply chain constraints. FRC placed an order for
28		

### GBWC\_2024 Rate Case\_Vol. 5, Page 149 of 389

1		meter pits in April 2023 and they still had not been received as of December of 2023.				
2		During the same period, GBWC separately attempted to secure the meter pits from various				
3		vendors but was	also unsuccessful due	e to supply chain cons	traints. Based on this, C	BWC
4		decided that FRO	C would replace all t	the service lines, but	not the meter pits until	il new
5		equipment could	be obtained. The exi	isting meter pits were	reused and FRC left lo	ops in
6		the service lines	around the existing m	neter pits. Doing so m	eant if a meter pit fails	in the
7		future, GBWC ca	n replace it without in	nstalling a coupling, w	hich could cause a weak	c point
8		in the service line	e. With this decision,	GBWC requested a cl	hange order from FRC,	which
9		reduced the total	cost of FRC's contrac	ct by \$72,808.15, as or	nly fifteen (15) new met	er pits
10		of the eighty-thre	e (83) that had been	included in the approv	ved NDEP plan were se	t to be
11		installed.				
12						
13	Q.84	DID THE UTIL	ITY SOLICIT BIDS	S FOR THIS PROJE	CT?	
14	A.84	Yes, there were for	our bids solicited for t	his project. Two of the	e companies solicited de	clined
15		to bid, and anoth	er did not respond, re	esulting in only one b	oid being received (from	n FRC
16		Construction).				
17						
18			Const	ruction Bids		
19						
20		FRC	Floyd	High Mark		
21		Construction	Construction	Construction	Shay Construction	
22		\$2,100,000	Declined	Declined	Did not participate	
23						
24		Please see Please	e <i>see</i> Dataroom, Asl	hcraft Testimony, fo	lder entitled, "SCD Pi	peline
25			ect RFP BIDS CONT	•		L
26		. 5				
27	Q.85	DID THE UTIL	ITY AWARD THE	CONTRACT TO TH	IE LOWEST BIDDEF	<b>k</b> ?
28						
				42		
	I		_	_		

GBWC\_2024 Rate Case\_Vol. 5, Page 150 of 389

Q.86 DID THE UTILITY SOLICIT AN ENGINEERING PROPOSAL FOR THIS PROJECT?

A.85 Yes, GBWC did award the contract to the lowest and only bidder.

A.86 Yes, GBWC requested proposals from four (4) engineering firms for the engineering, design, and oversight of construction for Phase 4 of this project. Two (2) firms declined to respond to the RFP and two (2) firms responded with proposals, Summit Engineering and Kimley-Horn. Summit Engineering's total proposal for multiple phases of pipeline replacement was \$224,940 and their proposal for Phase 4 was \$81,400. Kimley-Horn's total proposal for multiple phases of pipeline replacement was \$231,400. With Summit Engineering being the lowest bidder by a significant amount, GBWC selected Summit engineering to be the engineer of record for the project.

GBWC also contracted with Lumos and Associates to be the Owner's Engineer for this project. Lumos's responsibility for the project was to provide engineering review and approval of the plan sets, review soils geo-tech report, provide a working water model (required by NDEP' s Bureau of Safe Drinking Water for authorization to construct), provide guidance, and review any modification requests during construction, if necessary. GBWC executed an agreement with Lumos and Associates for \$22,500, which included request for proposal's scope of work and proposal review; design plan set and specification document review; hydraulic water model and reports; quality assurance; and meetings/conference calls and miscellaneous expenses. The NDEP Water Project Application/Review Fee was \$1,127.50.

Replacement Project RFP BIDS CONTRACTS".

Please see Please see Dataroom, Ashcraft Testimony, folder entitled, "SCD Pipeline

1	Q.87	PLEASE PROVIDE ALL EXECUTED CONTRACTS FOR THE SCD PIPELINE
2		REPLACEMENT PROJECT.
3	A.87	Please see Please see Dataroom, Ashcraft Testimony, folder entitled, "SCD Pipeline
4		Replacement Project RFP BIDS CONTRACTS".
5		
6	Q.88	PLEASE PROVIDE ALL PERMITS FOR THE SCD PIPELINE REPLACEMENT
7		PROJECT.
8	A.88	Please see Please see Dataroom, Ashcraft Testimony, folder entitled, "SCD Pipeline
9		Replacement Project REPORTS, PERMITS, PHOTOS, and MISC".
10		
11	Q.89	PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE SCD
12		PIPELINE REPLACEMENT PROJECT.
13	A.89	Please see Please see Dataroom, Ashcraft Testimony, folder entitled, "SCD Pipeline
14		Replacement Project REPORTS, PERMITS, PHOTOS, and MISC".
15		
16	Q.90	PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF
17		THIS PROJECT?
18	A.90	GBWC's retired assets are as follows:
19		• 10,040 linear feet of six (6) inch PVC pipe
20		• 83-service lines
21		• 15-meter pits
22		• 4-fire hydrants.
23		
24	Q.91	WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS
25		PROJECT WERE REASONABLE?
26	A.91	As previously described in the testimony of James Eason in Docket No. 24-02018, this
27		project consisted of GBWC's Phase 4 completion of ongoing, multi-phase project to
28		
		44

GBWC\_2024 Rate Case\_Vol. 5, Page 152 of 389

1		replace undersized, poor-condition, and aging pipeline within the Spring Creek Division's
2		200 Tract, in an effort to address distribution system deficiencies and increase fire flow
3		capacity. This phase of the pipeline replacement work was specifically approved by the
4		Commission as a prudent investment in the GBWC 2021 Consolidated IRP. As set forth
5		in the GBWC 2021 Consolidated IRP Application, in determining the scope of the project,
6		GBWC identified and prioritized for replacement those sections of pipe that were subject
7		to frequent breaks and leaks and/or had poor condition ratings. The pipe replacement work
8		will materially improve service and reliability by reducing pipeline breaks/leaks, reducing
9		non-revenue water, and will also help bring the system into compliance with NAC
10		standards for pipe sizing and by adding valves and fire hydrants.
11		
12		GBWC provided thorough oversight and followed best business practices in bidding,
13		decision-making, invoice review, as well as cost-saving measures. The final costs were
14		reasonable, falling below estimates and ensuring safe, reliable service to customers.
15		
16		Section 3:
17		<b>Certification Projects</b>
18		Pahrump Division Rehabilitation CVE Well 48-1 (Project ID 2022105):
19	Q.92	PLEASE PROVIDE A BRIEF DESCRIPTION OF THE PD REHABILITATION
20		WELL 1 OF 3 - CVE 48-1.
21	A.92	GBWC-PD approved contract documents for Budget Drilling (Budget) in July 2023 for the
21 22	A.92	GBWC-PD approved contract documents for Budget Drilling (Budget) in July 2023 for the rehabilitation of well CVE 48-1. GBWC-PD opted to assess the condition of the well due
	A.92	
22	A.92	rehabilitation of well CVE 48-1. GBWC-PD opted to assess the condition of the well due
22 23	A.92	rehabilitation of well CVE 48-1. GBWC-PD opted to assess the condition of the well due to its age and an observed reduction in specific capacity over time. The assessment of the
22 23 24	A.92	rehabilitation of well CVE 48-1. GBWC-PD opted to assess the condition of the well due to its age and an observed reduction in specific capacity over time. The assessment of the well was used to determine the appropriate rehabilitation method for the well. The
22 23 24 25	A.92	rehabilitation of well CVE 48-1. GBWC-PD opted to assess the condition of the well due to its age and an observed reduction in specific capacity over time. The assessment of the well was used to determine the appropriate rehabilitation method for the well. The assessment and rehabilitation were tentatively scheduled for fall 2023; the work coincide
22 23 24 25 26	A.92	rehabilitation of well CVE 48-1. GBWC-PD opted to assess the condition of the well due to its age and an observed reduction in specific capacity over time. The assessment of the well was used to determine the appropriate rehabilitation method for the well. The assessment and rehabilitation were tentatively scheduled for fall 2023; the work coincide with the concurrent rehab work of other GBWC-PD and Bermuda Water Company (BWC)

#### GBWC\_2024 Rate Case\_Vol. 5, Page 153 of 389

video revealed scaling and nodules throughout the well casing, with the fill encountered at roughly 344 feet below ground level (ft bgl). It is likely that the scaling and nodules were limiting the specific capacity of the well. Additionally, a potential large hole in the casing was identified at approximately 82 ft bgl.

It should be noted that a separate well (CVE 48-2) is adjacent to CVE 48-1. Due to the proximity of the two wells, it was necessary to suspend pumping operations so rehabilitation work could be performed on both wells. A pre-treatment video survey was completed on November 13, 2023. Budget completed pretreatment of CVE 48-1 including airlifting and brushing in November 2023, followed by an additional video survey on November 27, 2023. This video confirmed the existence of a large hole in the casing at approximately 82 ft bgl. The size of the hole and degraded condition of the casing rules out the installation of a swage as a potential option due to the weak nature of the casing which could cause further damage to the casing if a swage placement was attempted. A metal object was also identified in the fill at the bottom of the well that may be a previous piece of column pipe and pumping system that fell into the well during the previous pump removal. It was decided that Budget would install a cement plug in the well from approximately 333 to 343 ft bgl to ensure the object was sealed off and couldn't cause any potential contamination to the well.

GBWC-PD requested alternatives for several options on how to proceed with the CVE 48-1 rehabilitation work (i.e. the handling of the large hole in the casing wall). Lumos provided information on alternatives including well abandonment, liner installation, drilling out the old casing, and conversion of a separate area well (Well 41) to municipal use. Budget provided costs estimates for each proposed alternative. GBWC-PD, Budget, and Lumos held a meeting to discuss the rehabilitation alternatives on February 13, 2024. GBWC-PD opted to proceed with installation of a nominal 6-inch diameter liner into the existing well

casing. The selected liner material consisted of Schedule 40 Certa-Lok PVC pipe (F480).

GBWC-PD requested that Lumos complete the regulatory submittal for the liner installation; this required the submittal of a water project application to the Nevada Department of Environmental Protection (NDEP) Bureau of Safe Drinking Water (BSDW). The proposed liner was designed with a total depth of 330 ft bgl, with 0.100-slot screen from 250 to 330 ft bgl. The bottom of the liner would be sealed with a nominal 6inch PVC endcap (F480). All selected liner materials consisted of F480 PVC, which meets NSF-61 requirements. Filter pack installation between the original casing and proposed liner was not recommended due to the very limited annular space. It would likely not be possible to fit a tremie pipe in the annulus and run gravel down. Lumos submitted the water project application and associated plan set to BSDW on February 16, 2024. GBWC-PD paid the application fees directly to the NDEP website.

15 NDEP responded with their approval of the new liner installation design project on April 16 2, 2024. Budget successfully installed the liner in CVE 48-1 on April 25, 2024. Step 17 drawdown and constant rate pumping tests were completed for the well on April 27 and 18 28, 2024. Specific capacity estimates for the well ranged from approximately 2.5 to 4.5 19 gallons per-minute per foot of drawdown (gpm/ft). The final step drawdown test had a 20 nominal flow rate of 220 gpm, which resulted in a drawdown close to the pump intake. 21 Lumos and GBWC-PD conducted a meeting on May 30, 2024, to discuss the new pump 22 and motor selection. GBWC-PD selected a 4-inch Grundfos 75S100-6 submersible pump 23 with a 10 HP motor. A 5-inch shroud was also installed to help with cooling of the pump 24 and motor. This size of pump and motor is intended to produce a more modest drawdown 25 and stable production rate in the range of approximately 75 to 90 gpm. This would allow 26 CVE 48-1 to regularly produce water for the system in a coordinated schedule with the 27 other production wells. Alternatives for a larger, 6-inch pump and motor option were

28

1

2

3

4

5

6

7

8

9

10

11

12

13

14

#### GBWC\_2024 Rate Case\_Vol. 5, Page 155 of 389

evaluated, but were determined to be less suitable. While this size of pump could achieve a greater flow rate, it could likely only be used for emergency production into the system. Potential issues identified with using the 6-inch pumping system included more drawdown into the screen interval, low annular clearance in the liner (greater chance of becoming stuck), potential for cascading water, and premature and/or more frequent motor failures due to the inability to properly cool the motor.

In a related but separate effort, Lumos also worked to provide modifications to the discharge head and other parts of the discharge assembly as requested by NDEP. Modifications to some part of the discharge assembly were necessary to effectively interface with the new liner installation. NDEP also requested proof of NSF-61 certification for all aspects of the discharge assembly. Since GBWC-PD didn't have documentation supporting that the existing discharge assembly was all NSF-61 certified, NDEP required a separate water project application and plan set to bring that portion of the well system into compliance.

- The second water project application, plan set, and specifications were submitted to NDEP (electronically) on June 28, 2023, for approval of the discharge assembly. After a minor re- submittal which involved a response letter and revisions to the plan set, the project was approve by NDEP on September 11, 2024, for construction (NY-0007518-24)A. Construction commenced and was completed by Budget on September 30, 2024. A closeout application was submitted to NDEP on October 2, 2024, with a confirmation approval by NDEP to allow the well to be put back online October 7, 2024.

#### Q.93 WHEN WAS THE PD REHABILITATION CVE WELL 48-1 PROJECT PLACED IN SERVICE?

A.93 The project was placed into service on October 10, 2024.

23

24

25

26

27

28

1

#### **COMMISSION THROUGH AN IRP PROCESS?** A.94 Yes. The project was recommended as part of the Action Plan in the GBWC 2021 Consolidated IRP and received approval from the Commission. See 2021 IRP Order at p. 3 ¶ 2(b). Q.95 WHAT WAS THE CLASS 3 ESTIMATE PROJECT COST IN THE IRP? A.95 The estimated project cost was \$307,000. Q.96 WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS **APPROVED BY THE COMMISSION?** A.96 Yes, once the pumping equipment was pulled, it was revealed that the casing had deteriorated beyond repair. Through discussions with the engineer, GBWC requested several proposals from Budget Drilling to repair the well. Once GBWC received and reviewed the proposals, GBWC opted to install a 6-inch PVC liner into the well. Q.97 WHAT WERE THE FINAL COSTS OF THIS PROJECT, AND HOW DO THEY **COMPARE TO THE IRP CONCEPTUAL ESTIMATE?** A.97 The final actual costs for this project totaled \$212,000, broken down as set forth below. The project came in at approximately 31% under the approved estimate. **PD REHABILITATION CVE WELL 48-1** Activity Actual costs **Design and Permitting** \$57,270 Construction \$144,065 Captime \$4.062 Misc. \$0 49

0.94 DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION FROM THE

#### GBWC\_2024 Rate Case\_Vol. 5, Page 157 of 389

1		AFUDC		\$6,603	
2		То	tal	\$212	2,000
3					
4	Q.98	DID THE UTILITY	SOLICIT BIDS FOR	THIS PROJECT?	F NOT, WHY NOT?
5	A.98	Yes, there were four (4	) bids solicited for the	project. Two of the c	ontractors solicited did
6		not respond, and one r	esponded but declined	to participate.	
7					
8			CONSTRUC	TION BIDS	
9		Great Basin Drilling	Stonehouse Drilling	Carson Pump	Budget Drilling
10		No Response	Declined	No Response	\$143,300
11					
12		Please see Dataroom, A	Ashcraft Testimony, fo	older entitled, "PD Re	habilitation CVE Well
13		48-1 RFP BIDS CONT	RACTS".		
14					
15	Q.99	DID THE UTILITY	AWARD TO THE LO	OWEST BIDDER?	
16	A.99	Yes, after consideration	on, the project was iss	ued to Budget Drillin	g, the sole bidder that
17		provided a proposal.			
18					
19	Q.100	Q.100 DID THE UTILITY SOLICIT BIDS FOR THE ENGINEERING FOR THIS			
20		PROJECT?			
21	A.100	No. GBWC received a	n initial proposal for le	ess than \$25,000 from	Lumos. This proposal
22		included a base cost	and a provision for a	additional time and n	naterials in case extra
23		oversight was needed.			
24					
25	Q.101	PLEASE PROVID	E ALL EXECUT	ED CONTRACTS	FOR THE PD
26		REHABILITATION	CVE Well 48-1 PRO	JECT.	
27	A.101	Please see Dataroom,	Ashcraft Testimony, fo	older entitled, "PD Re	habilitation CVE Well
28			50		
			50		

GBWC\_2024 Rate Case\_Vol. 5, Page 158 of 389

1	48 - 1 RFP BIDS CONTRACTS".
2	
3	Q.102 PLEASE PROVIDE ALL PERMITS FOR THE PD REHABILITATION CVE
4	WELL 48-1 PROJECT.
5	A.102 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Rehabilitation CVE Well
6	48 - 1 REPORTS PHOTOS MISC".
7	
8	Q.103 PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE PD
9	<b>REHABILITATION CVE WELL 48-1 PROJECT.</b>
10	A.103 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Rehabilitation CVE Well
11	48 - 1 REPORTS PHOTOS MISC".
12	
13	Q.104 PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF
14	THIS PROJECT.
15	A.104 The assets retired are as follows:
16	• Grundfos submersible motor, 25-HP
17	• Grundfos, 6 stage
18	• 320 ft. of 4-inch column pipe
19	• 4-inch check valve
20	• 25-HP Starter electrical equipment
21	Miscellaneous electrical subpanels
22	• Well head and discharge piping
23	
24	Q.105 WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS
25	PROJECT WERE REASONABLE?
26	A.105 The Commission deemed this project prudent in the GBWC 2021 Consolidated IRP. In
27	completing the project, GBWC provided thorough oversight and followed best business
28	
	51

GBWC\_2024 Rate Case\_Vol. 5, Page 159 of 389

practices in bidding, decision-making, invoice review, as well as cost-saving measures. By doing so, GBWC will be able to continue to provide safe and reliable service to its customers. The engineering proposal bid was under \$25,000. The project followed the extensive well rehabilitation process as outlined in the GBWC 2021 Consolidated IRP, which included video surveying, brushing or cleaning, swabbing, airlifting, non-acid treatment (if applicable), soft starter electrical installation upgrade, and replacement of the pumping equipment.

9

11

12

13

14

15

1

2

3

4

5

6

7

8

10

Pahrump Division Lift Station Backup Power Project (Project ID 2023138):

#### Q.106 PLEASE PROVIDE A BRIEF DESCRIPTION OF THE PD LIFT STATION **BACKUP POWER PROJECT (PROJECT ID 2023138).**

A.106 The intent of this project is to provide backup power to Lift Station 1 and Lift Station 2. GBWC does not have records to indicate when the two lift stations were installed, but they are estimated to be approximately 40 to 50 years old.

16

21

24

25

26

27

17 Lift Station 1 is the most critical lift station as it receives the bulk of all wastewaters from 18 the main sewer system and pumps the waste to Plant 3 for processing. The electrical at Lift 19 Station 1 was originally 3 phase 230V and needs to be upgraded to 480V to match all other 20 GBWC facilities that operate within the Pahrump area. By upgrading the utility power, Valley Electric transformers will need to be replaced with new transformers and electrical 22 panels. Lift Station 2 receives its wastewater from the surrounding areas, namely Comstock 23 Park, and pumps the waste directly to Plant 3.

The project began in January 2023 with Delta Services as the electrical and SCADA engineer. The following month, Kimley-Horn was set to be the civil engineer. In February of 2023, the electrical plan sets were completed, and the RFP was sent to three generator

companies. On March 3, 2023, the generator proposals were received and after review, the generator contract was awarded to Cummins. Cummins informed GBWC that there would be a 12-month lead time for the delivery of both generators.

The civil engineer began to develop the Topographical Surveying Mapping on March 15, 2023, for both lift stations and was completed in May 2023. Once the plan set was completed and approved by GBWC, Kimley-Horn opened a Wastewater Project with the Nevada Department Environmental Protection's ("NDEP") Bureau of Water Pollution Control ("BWPC") and received approval from the agency on May 31, 2023, to install the two generators at the lift stations. For this project, the fencing will need to be expanded at both lift station sites to accommodate the new generators. GBWC selected S.S. Fencing and Gates to expand the fencing around both lift stations with new privacy fencing and gates.

On August 8, 2023, GBWC awarded the electrical contract to Kill-A-Watt Electric. Their responsibility is to obtain all necessary Nye County permits, construction of the generator subgrade pads, pour the concrete pads, the installation of the generators, installation of new VFD's, and installation of electrical subpanels.

Once GBWC received the electrical and civil plan sets, GBWC applied with Valley Electric Association to upgrade the electrical power transformers at Lift Station 1. Fees were paid by GBWC, which initiated the engineering of the transformers. The electrical contractor submitted applications to Nye County for approval to construct and install the two generators and upgrade the electrical power panels with the Planning Department as well as the Building and Safety Department. Both agencies approved the generator upgrades for both lift stations with all permits being approved in August. The construction of the generator subgrade pads, and the pouring of the concrete pads took place late October

1	through early November. The electrical contractor installed all conduit and prepped for the
2	power source upgrade from Valley Electric. Once these items were completed, GBWC had
3	S.S. Fencing and Gate begin their portion of the project, which was completed in November
4	2023. Valley Electric was scheduled to be on site for the transformer upgrade on November
5	28, 2023. All preparations were made to keep Lift Station 1 in operation during the Valley
6	Electric power transformers and electrical panels upgrade, which were necessary due to the
7	voltage change. GBWC had their portable with backup generator on site to keep the lift
8	station in operation.
9	
10	On May 23, 2024, the generators were delivered to each lift station site. Over the next few
11	weeks, the electrician worked to complete setting each generator, transfer switch, and the
12	installation of the electrical lines. GBWC was informed that Cummins would be on site to
13	commission and bank test the generators the week of July 22, 2024. The electrician,
14	GBWC's SCADA tech, and Cummins worked together to bring the two generators online.
15	The two generators were place into service on July 31, 2024.
16	
17	Q.107 WHEN WAS THE PD LIFT STATION BACKUP POWER PROJECT PLACED IN
18	SERVICE?
19	A.107 The project was placed into service on July 31, 2024, and booked to plant-in-service
20	thereafter during the Certification Period for this Application.
21	
22	Q.108 DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION FROM THE
23	COMMISSION THROUGH AN IRP PROCESS?
24	A.108 Yes. The project was recommended as part of the Action Plan in the GBWC 2021
25	Consolidated IRP and received approval from the Commission. Please see 2021 IRP Order
26	at p. 3, ¶ 2(f).
27	
28	
	54

GBWC\_2024 Rate Case\_Vol. 5, Page 162 of 389

1	Q.109 WHAT WAS THE CLASS 3 ESTIMATED PROJECT COST IN THE IRP?				
2	A.109 The estimated project cost was \$415,281.				
3					
4	Q.110 WERE	THERE SUBSTANTIAL CHANG	GES TO THE PROJECT SINCE IT WAS		
5	APPRO	OVED BY THE COMMISSION?			
6	A.110 No, the	re were no substantial changes to this	project.		
7					
8	Q.111 WHA7	WERE THE FINAL COSTS OF	THE PROJECT AND HOW DO THEY		
9	СОМР	ARE TO THE IRP CONCEPTUA	L ESTIMATE?		
10	A.111 The fin	al costs for this project were \$408,264	4, broken down as set forth below.		
11	The pro	ject came in at approximately 2% un	der the approved estimate.		
12		<b>I</b>			
13		PD LIFT STATION	BACKUP POWER		
14		Activity	Actual Costs		
15		Design and Permitting	\$70,299		
16		Construction	\$311,443		
17		Captime	\$5,122		
18	Misc. \$0				
19		AFUDC	\$21,401		
20		Total	\$408,264		
21					
22	Q.112 DID T	HE UTILITY SOLICIT BIDS FOR	<b>X THIS PROJECT?</b>		
23	A.112 Yes, the	e utility issued an RFP to three (3) el	lectrical companies. GBWC received one (1		
24 25	proposa	al from Kill-A-Watt Electrical, one (1	1) company declined (Hargis Electrical), and		
25 26	one (1)	company (Helix Electric), did not res	spond to the RFP.		
20 27					
27					
20		55			

#### GBWC\_2024 Rate Case\_Vol. 5, Page 163 of 389

l			CONSTRUCTION I	BIDS
2		Hargis Electrical	Helix Electric	Kill-A-Watt Electrical
		Declined	No Response	\$121,496.78
	I	Please see Dataroom, Ashcraft	Testimony, folder entit	led, "PD Lift Station Backup Pow
	1	RFP BIDS CONTRACTS".		
	Q.113	DID THE UTILITY AWAR	D TO THE LOWEST	BIDDER?
	A.113	Yes. The lowest and only bid	der was Kill-A-Watt El	ectrical. The project was awarded
		Kill-A-Watt as their proposal	was lower than the orig	inal estimated cost.
	Q.114	DID THE UTILITY SOL	ICIT BIDS FOR T	HE ENGINEERING FOR TH
		PROJECT?		
	A.114	Yes, GBWC reached out to tw	wo (2) engineering firm	as and received proposals from be
		firms. Once GBWC receive	ed and reviewed both	n proposals, GBWC awarded
		engineering oversight to Kimle	ey-Horn. The determining	ng factor of awarding the engineeri
		oversight to Kimley-Horn was	that T.Y. Lin did not p	rovide a complete proposal, and th
		bid contained exceptions with	in their proposal.	
			ENGINEERING B	IDS
		T. Y. Lin Inter	national	Kimley-Horn
		\$36,500 with E	xceptions	\$37,950
	I	Please see Dataroom, Ashcraft	Testimony, folder entit	led, "PD Lift Station Backup Pow
	1	Engineer RFP BIDS CONTRA	CTS".	
	Q.115	PLEASE PROVIDE ALL I	PERMITS FOR THE	PD LIFT STATION UPGRAI
			57	
			56	

GBWC\_2024 Rate Case\_Vol. 5, Page 164 of 389

1	POWER PROJECT.
2	A.115 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Lift Station Backup Power
3	REPORTS PHOTOS MISC".
4	
5	Q.116 PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE PD
6	LIFT STATION BACKUP POWER PROJECT.
7	A.116 Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Lift Station Backup Power
8	REPORTS PHOTOS MISC".
9	
10	Q.117 PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF
11	THIS PROJECT.
12	A.117 The assets retired are as follows:
13	• (2) 15-HP Hydromatic submersible motor and pump
14	• (2) Manul Transfer Switches
15	• (2) electrical subpanels
16	• 100 linear feet of 6-foot fencing with swing gates
17	
18	Q.118 WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS
19	PROJECT WERE REASONABLE?
20	A.118 The Commission deemed this project prudent in the GBWC 2021 Consolidated IRP, and
21	the final actual costs came in at the approved estimate. In completing the project, GBWC
22	provided thorough oversight and followed best business practices in bidding, decision-
23	making, invoice review, as well as cost-saving measures. The final costs were reasonable,
24	falling below estimates and ensuring safe, reliable service to customers.
25	
26	Cold Springs Division Booster PZ 2 to PZ 1 – Lifestyle Homes Annexation:
27	
28	
	57

GBWC\_2024 Rate Case\_Vol. 5, Page 165 of 389

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

#### Q.119 PLEASE PROVIDE A BRIEF DESCRIPTION OF THE CSD BOOSTER PZ 2 TO PZ 1 – LISSNER ANNEX PROJECT.

A.119 In the Action Plan of its 2018 Consolidated IRP, GBWC requested approval to construct a booster station at Cold Spring Drive in its Cold Springs Division, but the PUCN did not grant project approval.<sup>12</sup>

In 2020, Lifestyle Homes TND, LLC ("Lifestyle Homes"), a developer, requested annexation into the Cold Springs water system and, in 2021, an annexation proceeding was initiated at Docket No. 21-05008.<sup>13</sup> During the annexation proceedings, the developer provided documents showing that a booster station was required to provide sufficient water service to a portion of their development and provide service to Pressure Zone 1 within the Cold Springs water system. On stipulation by GBWC, Lifestyle Homes, and PUCN Staff, the Commission approved that the booster station project should be constructed to include a duplex or triplex booster pump station with one or two duty pumps and one backup pump, all in parallel, with a firm pumping capacity of 350 gpm, a building to house the electrical equipment above ground, and a backup generator with an automatic transfer switch. *See* PUCN's October 15, 2021 Order in the 2021 Lifestyle Homes Annexation Proceeding, at p. 3, ¶2. It was further agreed that Lifestyle Homes would pay 20 percent of all costs related to the development and construction of the project (with backup generator), none of which would be passed on to current ratepayers. *Id.* at ¶3.

21

22

23

#### Q.120 WHEN WAS THE CSD BOOSTER PZ 2 TO PZ 1 – LISSNER ANNEX PROJECT PLACED IN SERVICE?

24 25

<sup>13</sup> See PUCN Docket No. 21-05008, Application of Great Basin Water Co. for modification of its Certificate of Public Convenience and Necessity designated CPC No. 2692, to expand its water service territory in Cold Springs, County of Washoe, Nevada, to include 98 acres of residential development on Lifestyle Homes, TND, LLC, property for the purpose of providing water services ("2021 Lifestyle Homes Annexation Proceeding").

28

26

<sup>&</sup>lt;sup>12</sup> GBWC again proposed the Cold Springs Drive Booster Station Project as part of its Action Plan in its 2021 Consolidated IRP, but withdrew the project.

5

6

7

8

9

10

#### A.120 The booster stations project was placed into service on November 21, 2024.

## Q.121 DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION FROM THE COMMISSION THROUGH AN IRP PROCESS?

A.121 No. As stated, the project was proposed in the action plans of GBWC's 2018 and 2021 Consolidated IRP proceedings but was either not approved or withdrawn. Instead, this project was recommended for construction in the context of the 2021 Lifestyle Homes Annexation Proceedings, on a showing of necessity by the developer, on terms agreed by GBWC, Lifestyle Homes, and PUCN Staff. *See* PUCN's October 15, 2021 Order in the 2021 Lifestyle Homes Annexation Proceeding, at p. 3, ¶2.

#### 11

12

#### Q.122 WHAT WAS THE ESTIMATED COST FOR THIS PROJECT?

- A.122 The most recent Class 3 cost estimate for this project was \$554,870, provided with the
   2021 Consolidated IRP through the Preferred Plan and had a less granular level of review
   and estimation of cost as compared to projects submitted as projects submitted in the
   Action Plan for the Commissions review and approval.
- 17

#### 18

19

#### Q.123 WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS FIRST PROPOSED?

A.123 No, there were no substantial changes to the essential engineering elements of this project
from what was originally proposed. However, there were changes to the management and
cost allocation in relation to the project as discussed herein. In accordance with the
agreement reached among GBWC, Lifestyle Homes, and PUCN Staff in Docket No. 2105008, the Commission approved GBWC to contribute 80% of the total costs and that
Lifestyle Homes would contribute 20% of the total costs for the project. *See* PUCN's
October 15, 2021, Order in the 2021 Lifestyle Homes Annexation Proceeding, at p. 3, ¶3.

59

#### Q.124 WHAT WERE THE FINAL COSTS OF THIS PROJECT, AND HOW DO THEY COMPARE TO ESTIMATES PREVIOUSLY PROVIDED?

A.124 The final, actual costs for this project totaled \$1,408,635, less the developer's CIAC of \$281,727, broken down as set forth below (and accounting for the CIAC from Lifestyle Homes). The project came in at approximately 103% over the approved estimate.
As noted, this project was not ultimately approved in that 2021 IRP, but the project instead shifted to a developer-driven and developer-managed project pursuant to the agreement and order issued in Docket No. 21-05008. GBWC believes the actual costs were reasonable and necessary notwithstanding the deviation from prior estimates.

CSD BOOSTER PZ 2 TO PZ 1 – LISSNER ANNEX				
PROJECT				
Activity	Actual Costs			
Design and Permitting	\$275,856			
Construction	\$1,125,279			
Captime	\$7,350			
Misc.	\$150			
AFUDC	\$0			
CIAC	\$(281,727)			
Total Project Cost	\$1,126,908			

#### Q.125 DID THE UTILITY SOLICIT BIDS FOR THIS PROJECT? IF NOT, WHY NOT?

# A.125 This project was driven and managed by the developer, in accordance with the agreement reached in the 2021 Lifestyle Homes Annexation docket. GBWC did not solicit construction bids for this project.

#### GBWC\_2024 Rate Case\_Vol. 5, Page 168 of 389

1	
1	Please see Dataroom, Ashcraft Testimony, folder entitled, "CSD BOOSTER PZ 2 TO PZ
2	1 – LISSNER ANNEX PROJECT RFP BIDS CONTRACTS".
3	
4	Q.126 DID THE UTILITY SOLICIT BIDS FOR THE ENGINEERING FOR THIS
5	PROJECT?
6	A.126 Yes, GBWC did reach out to Lumos & Associate for a proposal which Lumos provided a
7	proposal for the oversight and inspections. The proposal was for \$26,000. GBWC reviewed
8	the proposal and awarded Lumos the contract based on its reasonable proposal.
9	
10	Please see Dataroom, Ashcraft Testimony, folder entitled, "CSD BOOSTER PZ 2 TO PZ
11	1 – LISSNER ANNEX PROJECT RFP ENGINEER BIDS CONTRACTS".
12	
13	Q.127 PLEASE PROVIDE ALL PERMITS FOR THE CSD BOOSTER PZ 2 TO PZ 1 –
14	LISSNER ANNEX PROJECT.
15	
16	A.127 Please see Dataroom, Ashcraft Testimony, folder entitled, "CSD BOOSTER PZ 2 TO PZ
17	1 – LISSNER ANNEX PROJECT REPORTS PHOTOS MISC".
18	
19	Q.128 PLEASE PROVIDE ANY OTHER PERTINENT INFORMATION FOR THE CSD
20	BOOSTER PZ 2 TO PZ 1 – LISSNER ANNEX PROJECT.
21	
22	A.128 Please see Dataroom, Ashcraft Testimony, folder entitled, "CSD BOOSTER PZ 2 TO PZ
23	1 – LISSNER ANNEX PROJECT REPORTS PHOTOS MISC".
24	
25	Q.129 PLEASE DESCRIBE ANY ASSETS WHICH WERE RETIRED AS A PART OF
26	THIS PROJECT.
27	A.129 No assets were retired for this project.
28	
	61

GBWC\_2024 Rate Case\_Vol. 5, Page 169 of 389

#### Q.130 WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS PROJECT WERE REASONABLE?

A.130 In Docket No. 21-05008, the Commission approved the construction of the project "as described in the 2021 GBWC Integrated Resource Plan . . . with the addition of a backup generator." *See* PUCN's October 15, 2021, Order in the 2021 Lifestyle Homes Annexation Proceeding, at p. 3, ¶2. The project was completed in line with the approval granted and will provide important benefits to the Cold Springs system, both for Lifestyle Homes' new development and for existing customers, including that it will allow water to be moved from the adjacent Pressure Zone 2 in the event of a supply deficit in Pressure Zone 1. The connectivity will ensure safety, redundancy, and reliable water service for all Pressure Zone 1 customers. In addition, the construction of the project allows GBWC to defer new well development costs at this time in Pressure Zone One. GBWC has experienced difficulties in finding a new suitable well location in Pressure Zone One, which meets water quantity and quality for the Cold Springs System. The Cold Springs Well Replacement Project was approved in the 2021 IRP to find another well location in Pressure Zone One to supplement and replace either Well 6 or 7 after they have reached the end of their useful life.

Pursuant to the Commission's directive in Docket No. 21-05008, costs for this project were split 80% and 20% between GBWC and Lifestyle Homes, with the agreement that the developer's 20% share of the costs would not be passed on to ratepayers, mitigating the financial impact of this project. In cooperating with the developer on this developermanaged project, GBWC has completed thorough oversight and followed best business practices in decision-making and in implementing as cost-saving measures. The final costs associated with this project are reasonable in relation to the necessity and scope of the capital improvement provided.

#### GBWC\_2024 Rate Case\_Vol. 5, Page 170 of 389

1	
2	Section 4:
3	Expected Change in Circumstance (ECIC) Projects
4	
5	Pahrump Division Well 10 Rehabilitation (Project ID 2021163)
6	Q.131 PLEASE PROVIDE A BRIEF DESCRIPTION OF THE PD WELL 10
7	REHABILITATION PROJECT.
8	A.131 This project was to rehabilitate and convert Well 10 in the Pahrump Division from an
9	irrigation well to a municipal well. After an RFP process, Lumos and Associates was
10	retained to provide engineering services throughout the course of the project.
11	
12	On January 20, 2023, GBWC held a kick-off meeting with Lumos to discuss the project
13	expectations. Discussion points included Lumos initiating the Geotechnical and
14	Topographic Survey Mapping. GBWC was also to install water level transducers at Wells
15	9, 10, and 11 to verify water interference between the three wells due to their proximity.
16	Lumos provided contact for a company that rents water level transducers, which GBWC
17	contacted and requested three level transducers for the wells. During the initial meeting,
18	Lumos also requested that the existing pumping equipment be removed to conduct a video
19	survey of the casing. GBWC contacted Great Basin Drilling several times and requested
20	the removal of the pumping equipment at Well 10 to perform a video survey. When Great
21	Basin Drilling declined to perform the work, GBWC requested Budget Drilling to pull the
22	pumping equipment and perform the video survey. Budget Drilling removed the
23	equipment and performed the video on March 14, 2023. During the videoing of the well,
24	it was discovered that at approximately 11 feet bgl there was an artesian overflow line that
25	had been installed when well was originally drilled. To protect the well from
26	contamination, it was decided to excavate down around the well casing to the overflow line
27	to remove and cap the opening. Once completed, Budget Drilling re-installed the pumping
28	

63

#### GBWC\_2024 Rate Case\_Vol. 5, Page 171 of 389

equipment to perform the sounding for the three wells.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

On March 20, 2023, GBWC conducted three weeks of sounding at the three wells, which was performed with rental equipment. The data obtained through the water level transducers was downloaded and provided to Lumos daily.

GBWC planned to conduct the rehabilitation of the well in phases. For Phase 1, on August 16, 2023, Floyd Construction begin to excavate and to remove the artesian overflow line. The contractor spent several days excavating and installing shoring boxes to secure the excavation to remove the overflow line and valve. GBWC decided to remove the upper portion of the old casing and have Budget Drilling install a new 15-inch casing, welding it to the old casing and extending the casing above the ground. This method ensured that the casing patch would not decay. While in the process of this procedure, Budget Drilling recommended to Lumos and GBWC determined that it would be best if Budget Drilling were to install a 30-inch conductor pipe to assist in the alignment of the over-drilling. Once the 30-inch conductor pipe was placed, Floyd began to back fill the excavation hole. Floyd brought in three concrete trucks with a concrete slurry to utilize as backfill for the excavation. Once backfilled, the slurry was allowed to set and dry.

Phase 2 commenced with the over drill of Well 10 and installation of the sanitary seal. GBWC awarded this phase of the project to Budget Drilling. The over drilling began on August 29, 2023, and was completed on September 6, 2023, with the sanitary seal installed to a depth of 60 feet bgl. Shortly after completion of the over drilling, GBWC attended a meeting with NDEP. During the meeting, NDEP conveyed its position that the removal of the artesian overflow and the over drilling of the well should have been submitted to NDEP for review and approval. GBWC had Lumos engineer and submit a plan set of the artesian overflow line removal and the installation of the 30-inch conductor pipe to NDEP as Phase 1. Once NDEP received and reviewed the Plan Set, they notified GBWC that Phase 1 was

28

approved. Once Phase 1 was approved, Lumos submitted to NDEP Phase 2, the over drilling and installation of the sanitary seal. This was approved for "Construction Only" from NDEP on November 14, 2023. Lumos then submitted a close out report for the over drill. NDEP accepted and approved Phase 2 on January 9, 2024.

Lumos then drafted and submitted the Phase 3 plan set for the installation of the new 10inch stainless-steel liner. GBWC received authorization from NDEP for the installation of the stainless-steel liner. In April 2024, while Budget Drilling was cleaning the bottom of the well in preparation for the liner installation, it was discovered that the bottom of the well had a "bridge" that had developed over the years. Budget followed the well casing down which ended at 495 feet bgl. Through discussions with Lumos, it was requested that GBWC perform additional sampling to confirm the water quality had not changed from the previous sampling. Once the samples were collected and analyzed, Budget moved forward with the installation of the stainless-steel liner. Budget was issued a change order for the additional 140 feet stainless steel liner to reach the bottom of the well. On June 5 and 6, 2024, Budget Drilling performed the step pump test and the constant pump test. When Budget Drilling completed the pump testing, they provided Lumos with all data, which Lumos then compiled and submitted in the final close out report to NDEP for Phase 3 of this project.

For Phase 4, the development of the well site, Lumos engineered and designed the discharge piping, chlorine building, electrical plan set and sized the generator for the well site. The plan set was submitted to NDEP on July 24, 2024, and approved for construction on November 1, 2024. While Lumos submitted to NDEP for review and approval, GBWC simultaneously began permitting with the Nye Co. Planning Department, Nye Co. Building and Safety, and Nye Co. Public Works. The permitting began with the Planning Department on August 15, 2024, and GBWC received approval on August 27, 2024.

GBWC submitted to Building and Safety on September 23, 2024, and received the permit to construct on November 4, 2024. GBWC then submitted the plan set with Nye Co. Public Road on August 5, 2024, and received the encroachment permit on November 13, 2024. Around the time that Lumos was submitting the plan set to NDEP, GBWC issued construction RFPs to three contractors. Proposals were received back to GBWC on August 23, 2024. Once GBWC had all permits in hand, GBWC executed the Floyd Construction Contract on November 18, 2024, to begin the construction of the well site.

During the rehabilitation of the well, GBWC was aware that the well was sitting on the property of 961 S. Delaware, but within the 5 foot easements that are dedicated for all parcels within the subdivision. GBWC had the property appraised by Johnson, Perkins, and Griffin. When the appraisal was completed, GBWC reached out to a realtor to see if they could contact the current landowner. The realtor was able to contact the owner of the property to begin the negotiation for the sale to GBWC. Through negotiations, GBWC made a proposal in the amount of the property appraisal. The landowner agreed to the sale and began the sale of the property. GBWC felt that if it did not obtain the property, that in the future, when working on the well, GBWC and its contractor would be intruding onto the property. GBWC obtained the property in the amount of \$8,900.

#### Q.132 DID THIS PROJECT RECEIVE A PRUDENCY DETERMINATION FROM THE COMMISSION THROUGH AN IRP PROCESS?

A.132 Yes, the project was recommended as part of the Action Plan in the GBWC 2021
 Consolidated IRP and received approval from the Commission. *See* 2021 IRP Order at pg. 3, ¶2(a).

26 Q.133 WHAT WAS THE CLASS 3 ESTIMATED PROJECT COST IN THE IRP?

A.133 The estimated project cost was \$869,332.

GBWC\_2024 Rate Case\_Vol. 5, Page 174 of 389

## Q.134 WERE THERE SUBSTANTIAL CHANGES TO THE PROJECT SINCE IT WAS APPROVED BY THE COMMISSION?

A.134 No, there were no substantial changes to this project.

#### **Q.135 DID THE UTILITY SOLICIT BIDS FOR THIS PROJECT?**

A.135 Yes, the Company completed a reasonable bidding process. For the drilling work, GBWC issued an RFP to two drilling contractors, Budget Drilling and Great Basin Drilling. GBWC received one (1) proposal from Budget Drilling and the other company, Great Basin Drilling, declined to participate.

For construction work, including Phase 4 site development, GBWC issued RFPs to three contractors for work including the installation of the discharge assembly, chlorine building, electrical, generator, and SCADA work. One contractor declined and the Company received no response from another. After review, the Company accepted the reasonable bid that was received from Floyd Construction.

CONSTRUCTION OVER DRILL BIDS				
Great Basin Drilling	Budget Drilling			
Declined verbally	\$126,955			

<b>CONSTRUCTION BIDS, SITE DEVELOPMENT</b>				
3D Construction	Budget Drilling	Floyd Construction		
Declined	Declined	\$803,304.15		

Please see Dataroom, Ashcraft Testimony, folder entitled "PD Well 10 Rehabilitation RFP BIDS CONTRACTS"

#### GBWC\_2024 Rate Case\_Vol. 5, Page 175 of 389

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

#### Q.136 DID THE UTILITY AWARD TO THE LOWEST BIDDER?

A.136 Yes. The lowest and only bidder for the removal of the overflow of the well project was Budget Drilling. The lowest and only bidder for Phase 4, site development, was Floyd Construction.

#### Q.137 DID THE UTILITY SOLICIT BIDS FOR THE ENGINEERING FOR THIS **PROJECT?**

A.137 Yes, GBWC reached out to four (4) engineering firms. Three (3) engineering firms declined to participate, and one (1) engineering firm provided a proposal, which was Lumos and Associates. After review, the Company accepted Lamos' reasonable bid.

ENGINEERING BIDS				
Black& Veatch	Kimley-Horn	Lumos & Associates	Golder	
Declined	Declined	\$263,800	Declined	

Please see Dataroom, Ashcraft Testimony, folder entitled, "PD Well 10 Rehabilitation RFP ENGINEER BIDS CONTRACTS".

19

#### 20

21

22

23

24

25

26

27

28

#### Q.138 HAS ENGINEERING BEEN PERFORMED, MATERIALS ORDERED, AND **CONSTRUCTION COMMENCED ON THE PD WELL 10 PROJECT?**

A.138 Yes, all engineering has been performed. The well was rehabilitated with the new 10-inch stainless steel liner installed. GBWC issued an RFP to three generator contactors on August 1, 2024. GBWC received two proposals back from the generator companies, and after GBWC's electrical engineer reviewed both proposals and approved both proposals, GBWC order the generator and transfer switch from W.W. William the first week in November of 2024. No material has yet been ordered for the construction of the well site,

68

#### GBWC\_2024 Rate Case\_Vol. 5, Page 176 of 389

	but the contractor	was awardad th	a project and has been	η το δασημεία της ινιατείτα	าวนบบบบเป
but the contractor was awarded the project and has begun to submit the Material Submittals					
for approval. Once submittals have been approved, the contractor will begin to order the					
	materials.				
Q.139 PLEASE PROVIDE ALL EXECUTED CONTRACTS FOR THE PD WELL 10					
	REHABILITAT	ION PROJEC	Т.		
A.139	Please see SPA-3	to Exhibit	"PD Well 10 Rehabil	itation RFP ENGINEE	R BIDS
11109					
	CONTRACTS".				
Q.140	) PLEASE PROVI	IDE ALL PER	MITS FOR THE PE	O WELL 10 REHABII	LITATI
	PROJECT.				
A.140 Please see SPA-4 to Exhibit, PD Well 10 Permits".					
A.140					
	WHAT IS THE S				
Q.141	WHAT IS THE S	STATUS OF 1			
Q.141	WHAT IS THE S	STATUS OF 1	THE PROJECT?		
<b>Q.14</b> 1 A.141	WHAT IS THE S	STATUS OF 1	THE PROJECT?		
<b>Q.14</b> 1 A.141	• WHAT IS THE S	STATUS OF 7 of the PD – W	THE PROJECT? ell 10 Rehabilitation p	project is as follows:	
<b>Q.14</b> 1 A.141	WHAT IS THE S	STATUS OF 1	THE PROJECT?	project is as follows: Comments	% Wor Comple
Q.141 A.141 Engin	• WHAT IS THE S	STATUS OF 7 of the PD – W	THE PROJECT? ell 10 Rehabilitation p	project is as follows:	
Q.141 A.141 Engin Engin Engin	WHAT IS THE S The current status eering Items Task eering Well Design eering Well	STATUS OF 7 of the PD – W Contractor Lumos	THE PROJECT? The Project of the proj	Comments Complete/NDEP Approved Oversight/project close	<b>Comple</b>
Q.141 A.141 Engin Engin Engin Devel	WHAT IS THE S The current status	STATUS OF 7 of the PD – W Contractor	THE PROJECT? Tell 10 Rehabilitation p	Comments Complete/NDEP Approved Oversight/project close out	<b>Compl</b>
Q.141 A.141 Engin Engin Engin Devel Engin	WHAT IS THE S The current status eering Items Task eering Well Design eering Well	STATUS OF 7 of the PD – W Contractor Lumos	THE PROJECT? The Project of the proj	Comments Complete/NDEP Approved Oversight/project close	<b>Compl</b> 100%
Q.141 A.141 Engin Engin Devel Engin Devel Engin	L WHAT IS THE S The current status eering Items Task eering Well Design eering Well opment eering Site opment eering Site	STATUS OF 7 of the PD – W Contractor Lumos Lumos	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close	Compl 1009 1009 20%
Q.141 A.141 Engin Engin Devel Engin Devel Engin	L WHAT IS THE S The current status eering Items Task eering Well Design eering Well opment eering Site opment	STATUS OF 7 of the PD – W Contractor Lumos Lumos	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close out	Compl 1009 1009 20%
Q.141 A.141 Engin Engin Devel Engin Devel Engin Devel	L WHAT IS THE S The current status eering Items Task eering Well Design eering Well opment eering Site opment eering Site	STATUS OF 7 of the PD – W Contractor Lumos Lumos	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close out	Compl 1009 1009 20%
Q.141 A.141 Engin Engin Devel Engin Devel Engin Devel	WHAT IS THE S     The current status eering Items     Task eering Well Design eering Well opment eering Site opment eering Site opment Oversite struction Items	STATUS OF 7 of the PD – W Contractor Lumos Lumos Lumos	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress Executed/In Progress Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close out Oversight/project close out	Compl 1009 1009 20% 20%
Q.141 A.141 Engin Engin Devel Engin Devel Engin Devel	WHAT IS THE S     The current status eering Items     Task eering Well Design eering Well opment eering Site opment eering Site opment Oversite	STATUS OF 7 of the PD – W Contractor Lumos Lumos Lumos	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close out	Compl 1009 1009 20% 20%
Q.141 A.141 Engin Engin Devel Engin Devel Engin Devel	WHAT IS THE S     The current status eering Items     Task eering Well Design eering Well opment eering Site opment eering Site opment Oversite struction Items	STATUS OF 7 of the PD – W Contractor Lumos Lumos Lumos	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress Executed/In Progress Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close out Oversight/project close out	Compl 1009 1009 20% 20% 20% Compl
Q.141 A.141 Engin Engin Devel Engin Devel Engin Devel Well	WHAT IS THE S     The current status eering Items     Task eering Well Design eering Well opment eering Site opment eering Site opment Oversite struction Items Task	STATUS OF 7 of the PD – W Contractor Lumos Lumos Lumos Lumos Budget	THE PROJECT? ell 10 Rehabilitation p Status Executed/Completed Executed/In Progress Executed/In Progress Executed/In Progress	Comments Complete/NDEP Approved Oversight/project close out Oversight/project close out Oversight/project close out	Comple 100% 100% 20%

GBWC\_2024 Rate Case\_Vol. 5, Page 177 of 389

	Contractor	Status	Comments	% Complet
Offsite Electric	Valley Electric	Executed/In Progress	On schedule	25%
Onsite Electrical	Kill-A-Watt	Executed/In Progress	On schedule	0%
SCADA	Delta	Executed/In Progress	On schedule	0%
Building	Floyd	Executed/In Progress	On schedule	0%
Pumping Equipment	Budget Drilling	Executed/In Progress	On schedule	0%
Generator Installation	Kill-A-Watt	Executed/In Progress	On schedule	0%
Concrete Work	Performance	Executed/In Progress	On schedule	0%
	O A GENERA	AL TREND, PATTEI	RN, OR DEVELOPI	MENT"?
A.142 Yes, as stated, this		*		
Consolidated IRP	and received ap	pproval from the Com	mission. See 2021 IR	P Order at pg
3, ¶2(a).				
Q.143 ARE THE EXP	PECTED COS	TS OF THE PROJ	ECT KNOWN WI	FH A HIG
DEGREE OF C	ERTAINTY?			
A.143 Yes, GBWC exp	ects that the fir	nal actual costs for th	is project will total a	nproximatel
		an give this estimate		
pending any unfo		-		
Penang unj unio				
Q.144 IF THE ANTIC	PATED COS	<b>ST OF THE PROJE</b>	CT IS DIFFEREN	<b>F THAN A</b>
AMOUNT PRO	<b>OVIDED IN</b>	AN APPROVED II	RP, PLEASE PRO	OVIDE TH
	D AN EXPLAN	NATION OF THE D	IFFERENCE IN CO	OSTS.
AMOUNTS AND				
AMOUNTS AND A.144 As noted above, (	GBWC expects	that the final actual co	sts for this project wi	ll total
A.144 As noted above, G	*	that the final actual co en down as set forth be		

GBWC\_2024 Rate Case\_Vol. 5, Page 178 of 389

1 was \$869,332. The anticipated project costs are approximately 94% higher of what was 2 approved in the 2021 IRP estimate. The deviation from the estimate is attributable to 3 increased costs in material and labor from what was available when this project was 4 originally forecasted in 2020. 5 6 **PD WELL 10 REHABILITATION PROJECT** 7 **Actual Costs** Activity 8 **Design and Permitting** \$264,610 9 Construction \$1,340,036 10 Captime \$16,404 11 Misc. \$0 12 AFUDC \$67,827 13 **Total Project Cost** \$1,688,878 14 15 Please see SPA-6 to Exhibit \_\_\_\_, "Project Cost". 16 17 Q.145 HOW HAVE THE EXPECTED COSTS FOR THE PD WELL 10 PROJECT BEEN 18 **VERIFIED?** 19 A.145 The general contractor (Floyd Construction) has submitted and executed a contract for all 20 the labor and material costs to complete the PD - Well 10 Rehabilitation Project, and 21 GBWC expects final costs to be in line with the above stated amount. 22 23 **Q.146 WHY SHOULD THE COMMISSION CONCLUDE THAT THE COSTS FOR THIS** 24 **PROJECT WERE REASONABLE?** 25 A.146 The Commission deemed this project prudent in the GBWC 2021 Consolidated IRP. The 26 project is reasonable and necessary and will provide benefits to GBWC's Pahrump 27 Division customers in a number of ways, including that the conversion of the well into a 28 71

GBWC\_2024 Rate Case\_Vol. 5, Page 179 of 389

1 compliant municipal and supply well for the Calvada Valley water system may put off the 2 need to drill a new supply well in the division. This project is necessary to maintain the 3 needed pumping capacities required by the Pahrump community as well as to replace the 4 currently aging and failing Well 9. The ultimate cost to perform the well conversion is less 5 than the likely cost of a new well or replacement well. In completing the project, GBWC 6 has provided thorough oversight and followed best business practices in bidding, decision-7 making, invoice review, as well as cost-saving measures. Overrun from the original IRP 8 estimates prepared in 2020 are attributable to elevated materials and labor costs and not to 9 lack of diligence in managing costs. The project furthers GBWC's efforts to continue 10 providing safe and reliable water service to its customers. 11 12 **Q.147 WHEN WILL GBWC COMPLETE AND PLACE INTO SERVICE THE PD WELL** 13 **10 PROJECT?** 14 A.147 The project is expected to be completed and place into service on or before April 15, 2025. 15 16 **Q.148 HOW DID GBWC ESTABLISH THE COMPLETION DATE FOR THE PD WELL** 17 10? 18 A.148 The anticipated completion date has been established through numerous discussions with 19 the general contractor and their sub-contractors to confirm and determine the most accurate 20 final timeline for the project. The contractor is familiar with the well rehabilitation process 21 and this timeline reflects the parties' significant experience in completing similar projects. 22 23 Q.149 DO THE CONTRACTS FOR THE PD WELL 10 PROJECT HAVE LIQUIDATED 24 **DAMAGES PROVISIONS?** 25 A.149 Yes, the contract between the general contractor and GBWC does contain a liquidated 26 damages clause, with a project completion deadline of April 15, 2025, with final payment 27 on April 30, 2025. Should the project be delayed beyond that date, GBWC can begin 28 72

#### GBWC\_2024 Rate Case\_Vol. 5, Page 180 of 389

1	enforcing the liquidated damages clause for qualifying delays. Floyd will be held to
2	liquidated damages as stated in the contract of \$500 a day every day after the completion
3	date.
4	
5	Please see Attachment SPA-7 to Exhibit, "Liquidated damages".
6	
7	Q.150 BASED ON THE FOREGOING, IS IT REASONABLE FOR THE COMMISSION
8	TO CONCLUDE THAT THE PD WELL 10 PROJECT WILL BE COMPLETED
9	WITHIN 210 DAYS OF THE APPLICATION FILING DATE?
10	A.150 Yes, based on all of the foregoing, it is reasonable for the Commission to conclude that the
11	PD-Well 10 Rehabilitation Project will be completed and used and useful within the
12	required 210 days after GBWC's 2024 Rate Case submittal date of December 4, 2024.
13	
14	Q.151 ARE THERE ANY OFFSETS OR COST SAVINGS ATTRIBUTABLE TO THE
15	<b>COMPLETION OF THE PD WELL 10 PROJECT?</b>
16	A.151 GBWC has not quantified any expected offsets or costs savings associated with this
17	project. The Company expects, however, that installation of the PD - Well 10
18	Rehabilitation project will improve pressures in the system, fire flows, provide redundance
19	for the Operations staff and most importantly, provide a source of more reliable safe
20	drinking water to the Pahrump customers.
21	
22	Q.152 ARE THERE ANY EXPECTED INCREASES IN O&M COSTS ASSOCIATED
23	WITH THE PD WELL 10 PROJECT?
24	A.152 Yes, there will be an increase to O&M costs in the Pahrump system due to the
25	implementation of the PD – Well 10 Rehabilitation project, attributable to the following
26	items:
27	• Chlorine (weekly)
28	
	73

GBWC\_2024 Rate Case\_Vol. 5, Page 181 of 389

1	• Valley Electric Association Power (monthly)
2	• Generator Maintenance (annually)
3	• Facility Electrical Inspections (annually)
4	• Backflow Inspection (annually)
5	
6	Q.153 PLEASE DESCRIBE ANY ASSETS WHICH ARE BEING RETIRED AS A PART
7	OF THIS PROJECT.
8	A.153 The assets retired are as follows:
9	• 40-HP motor
10	• 40-HP pump
11	• 100-amp service box
12	• 120 ft. of 6-inch column pipe
13	• 30 feet of 8-inch water pipe
14	• 8-inch McCrometer flow meter
15	• 48-inch meter vault
16	• 6-inch check valve
17	• 80ft. of chain link fence
18	
19	Q.154 PLEASE SUMMARIZE WHY THE PROJECT MEETS THE CRITERIA
20	SPECIFIED IN NRS 704.110(4) AS AN EXPECTED CHANGE THAT IS
21	REASONABLY KNOWN AND MEASURABLE WITH REASONABLE
22	ACCURACY?
23	A.154 As stated above, substantial portions of the PD – Well 10 Rehabilitation project have
24	already been completed and the final Phase 4 for well site development is in progress, with
25	the main components to be ordered and installed as they are received from the vendors.
26	This project is necessary to maintain the needed pumping capacities required by the
27	Pahrump community as well as to replace the currently aging and failing Well 9.
28	
	74

# GBWC\_2024 Rate Case\_Vol. 5, Page 182 of 389

1	Q.155 PLEASE PROVIDE A LISET OF ATTACHMENTS TO THE PREPARED DIRECT
2	TESTIMONY OF SEAN ASHCRAFT.
3	A.155 Please see Attachment SPA-8, Ashcraft Attachments Index.
4	
5	Q.156 DOES THIS CONCLUDE YOUR TESTIMONY?
6	A.156 Yes, however I reserve the right to supplement or name corrections to this testimony at the
7	time of the hearing in this proceeding.
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	75
	15

# GBWC\_2024 Rate Case\_Vol. 5, Page 183 of 389

1	AFFIRMATION
2	
3	Pursuant to Section 703.710 of the Nevada Administrative Code, I hereby affirm that the
4	foregoing testimony was prepared by me or under my direction and is correct to the best of my
5	knowledge.
6	Signed:
7	Orgino.
8	Dated: 12/04/2024
9	
10	
11	
12	
13	
14	
15 16	
10	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	

# Attachment SPA-1 to Exhibit \_\_\_\_\_

# Attachment SPA-1 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 185 of 389



# Managing, Project Manager

□ Single incumbent ⊠Multi-incumbent				
*Note for Multi-incumbent Job Descriptions: This job is filled by multiple incumbents who may description between incumbents, however the fun				ne variances in the
	□Remote ⊠Hybrid (dista □Onsite	nce workir	ng & onsite blended)	To be completed by People & Culture Career Ladder: P Level: 4
	SVP, Business Unit President Project Managers, Project Coordinators, Business Development Manager, Operations Support Staff			
				lopment
	Project Controls Manager	Internal	Coordination and planning or scheduling, and cost foreca	
	Project Scheduler	Internal	Coordination and planning or schedule and milestones	
	GIS Manager	Internal	Coordination of project loca management	tion and asset
	Operations Group	Internal	Development of project sco	pe and execution
	Legal Team	Internal	Contract management	
	Engineering Consultants	External	Project design and enginee	ring
	Construction Contractors	External	Project construction	
	Environmental Regulators	External	Project compliance	
	US: Exempt			
	CA:			

This position is responsible for the development, implementation and construction of conceptual capital water and wastewater projects, managing new development infrastructure, managing active water/wastewater utility project expansions as assigned, and executing work through project teams in accordance with contract documents, safety policies, schedule, and budget.

GBWC\_2024 Rate Case\_Vol. 5, Page 186 of 389

1	Develops, improves, and completes the project management process for the business unit.
2	Provides construction expertise to identify cost saving measures and potential construction problems in the planning phase of a project, and to raise and discuss relevant issues at job site meetings
3	Prepares and manages complete project Tender/RFQ/RFP process including preparing and negotiating revisions/changes/additions to contractual agreements with sub-contractors, clients, and consultants
4	Directs and supervises staff, participating in recruitment, selection, orientation, training and evaluation of employees; maintaining a safe, secure, and legal work environment; developing personal growth opportunities.

- i Oversee and assist Project Managers, Project Coordinators and Business Development Managers with developing project portfolio schedules, general condition budgets, and reports such as cost forecasting summaries, and manages all RFI, SI, CCO, CO, CD and CN costs and maintain CO logs
- i Assists senior management with project development, proposal preparation and submission, and budget estimation and preparation, ensuring proper project constructability
- i Prepare and review contracts and negotiate revisions, changes, and additions to contractual agreements with architects, engineers, consultants, clients, suppliers and subcontractors.
- Ensures effective communication between Project Managers, Project Coordinators, Business Development Managers and consultants/clients/trades people. Interprets and explain plans and contracts terms to administrative staff, workers, and clients, representing the owner or developer. Ensures that as-built drawings are prepared and maintained on an ongoing basis by all trades during construction
- i Review all shop drawings and approvals to ensure timelines are achieved, and maintains and enforces construction standards and quality control
- ï Assist Project Managers, Project Coordinators, Business Development Managers and consultants in resolving any errors, discrepancies or omissions contained within the consultants design drawings and specifications
- ï Ensures all project-specific permitting and licensing is in place and all requirements of OSHA are in compliance, and manages all independent testing and inspections as required; monitors site safety as needed
- ï Reviews and approves all project related monthly progress draws and invoicing as needed
- ï Develops and administers improved project program processes
- ï Performs other related duties as required
- ï Experience with OSHA safety requirements and implementation
- ï Proven working experience in project management
- ï Excellent written and verbal communication skills
- ï Experience with large scale contract management
- ï Solid organizational skills including attention to detail and multitasking skills
- ï Ability to read and interpret soil and hydro-geological reports and maps
- ï Experience with Oracle Fusion or SAP product suite
- ï Knowledge of Earned Value Reporting
- i Strong working knowledge of Microsoft Office & Project

- ï Required Education: Bachelor's Degree in appropriate field of study or equivalent work experience
- ï Preferred Education: MS, MBA,
- ï Preferred Training/Certification: PE/PMP, PRINCE, Confined Spaces or equivalent
- ï 10+ Years in Utility Construction and Contract Management

Working Conditions Matrix
<ul> <li>Moderate to considerable levels of physical activity on a regular basis_</li> <li>May require moderate travel between work sites.</li> <li>Moderate physical activity, working around heavy machinery, vehicles, and/or moving parts or objects.</li> <li>Lifting or moving up to 25 pounds occasionally</li> <li>May stay in one position with little movement for periods of time greater than 4 hours.</li> <li>May require working from heights, climbing stairs and ladders.</li> <li>Use of specialized PPE will be worn for work tasks as required.</li> <li>Requires normal hearing and vision.</li> <li>May require considerable mental focus or sensory effort for an extensive length of time (consistently throughout the day)</li> <li>May spend an extensive amount of time focused on a screen or on a task.</li> <li>May work on a considerable or intensive amount of mentally or sensory stimulating tasks.</li> <li>Considerable mental exertion and time spent interacting or collaborating with a diverse set of people.</li> <li>Expends a higher degree of mental effort into guiding and persuading others and may include presenting or public speaking.</li> <li>High degree of mental focus solving complex, non-routine problems</li> </ul>
i       Work is performed in an environment with occasional exposure to major disagreeable conditions or hazards, such as:         o       Extreme temperature conditions (excessive heat/cold)         o       Extreme outdoor weather conditions (excessive humidity, dampness, chilling)         o       Excessive continuous noise above 85 decibels         o       Offensive odors         o       Possible exposure to noxious fumes         o       Tight spaces         o       Work at Heights         o       Fire and other potential emergency situations         o       Chemical Hazards

James Eason
August 1, 2024

# Attachment SPA-2 to Exhibit \_\_\_\_\_

# Attachment SPA-2 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 189 of 389

# SEAN ASHCRAFT

Pahrump, NV 775.537.8204|sean.ashcraft@nexuswg.com

# OBJECTIVE

Dedicated and results-oriented project manager with over 5 years of experience in managing water and wastewater utility projects, seeking to leverage expertise in infrastructure development, stakeholder engagement, and regulatory compliance at Great Basin Water Company. Committed to enhancing operational efficiency and sustainability while delivering high-quality service to the community.

# EDUCATION

High School Diploma |Glendale High

1990-1993

General Education.

# EXPERIENCE

#### Managing, Project Manager | Great Basin Water Company

2024-2024

- Oversee and assist Project Managers, Project Coordinators and Business Development Managers with developing project portfolio schedules, general condition budgets, and reports such as cost forecasting summaries.
- Managing all RFI, SI, CCO, CO, CD and CN costs and maintain CO logs.
- Assists senior management with project development, proposal preparation and submission, and budget estimation and preparation, ensuring proper project constructability.
- Prepare and review contracts and negotiate revisions, changes, and additions to contractual agreements with architects, engineers, consultants, clients, suppliers and subcontractors.
- Ensures effective communication between Project Managers, Project Coordinators, Business Development Managers and consultants/clients/trades people.
- Interprets and explain plans and contracts terms to administrative staff, workers, and clients representing the owner or developer.
- Ensures that as-built drawings are prepared and maintained on an ongoing basis by all trades during construction.
- Review all shop drawings and approvals to ensure timelines are achieved, and maintains and enforces construction standards and quality control.
- Assist Project Managers, Project Coordinators, Business Development Managers and consultants in resolving any errors, discrepancies or omissions contained within the consultant's design drawings and specifications.
- Ensures all project-specific permitting and licensing is in place and all requirements of OSHA are in compliance, and manages all independent testing and inspections as required; monitors site safety as needed.

- Reviews and approves all project related monthly progress draws and invoicing as needed.
- Develops and administers improved project program processes.  $\geq$
- Performs other related duties as required.

#### Project Manager| Great Basin Water Company

The development, implementation and construction of conceptual capital water and wastewater projects managing new development infrastructure, managing active water/wastewater utility project expansions as assigned, and executing work through project teams in accordance with contract documents, safety policies, schedule, and budget.

#### **Operation Support** Great Basin Water Company

Ensuring the efficient operation of water utility services. This position involves supporting daily operations, assisting with maintenance tasks, and ensuring compliance with safety and regulatory standards.

#### Customer Service Utilities Inc./Great Basin Water Company

To provide exceptional service to customers regarding water utility services, addresses inquiries, resolves issues, and ensures compliance with company policies and regulations. This position involves a combination of phone, and electronic communication.

## SKILLS

- **Project Management**
- Communication ï
- ï Technical expertise ï
  - Problem-solving
- Leadership

ï

ï Attention to detail

# 2018-2020

# 2016-2018

2020-2024

# Attachment SPA-3 to Exhibit \_\_\_\_\_

# Attachment SPA-3 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 192 of 389

#### ENGINEERING SERVICES AGREEMENT PAHRUMP NEW PRODUCTION WELL 971 S. DELAWARE ST. PROJECT# 2021163

This Engineering Services Agreement (the "**Agreement**") dated effective January 6, 2023 (the "**Effective Date**") is between:

#### GREAT BASIN WATER COMPANY 1240 E. STATE ST. SUITE 115 PAHRUMP NV. 89048

("Corix")

and:

#### Lumos & Associates 9222 Prototype Dr Reno NV. 89521

("Engineer")

#### BACKGROUND

- A. Corix desires to engage Engineer to provide professional engineering services and consultation relative to engineering services.
- B. Engineer is an engineering firm with relevant experience and expertise and agrees to provide the Services (as defined in Section 1.1 below) consistent with applicable professional standards.
- C. Corix and Engineer agree that Engineer will provide the Services on the terms and conditions set forth in this Agreement.

#### AGREEMENTS

For good and valuable consideration, the receipt and sufficiency of which each party acknowledges, the parties agree as follows:

#### 1. Services Provided by Engineer

- 1.1. <u>Scope of Services</u>. Engineer shall provide the services described in Schedule "A" in a written Scope of Work, as mutually agreed by Corix and Engineer, (the "**Services**").
- 1.2. <u>Provision of Services</u>. Subject to Schedule "A", Engineer shall be free to determine the hours of the day during which it will perform the Services and the manner in which the Services are performed, but within the schedule mutually agreed between the parties, each acting reasonably and in good faith. It is understood by both parties that events may occur that can affect the schedule that are outside the Engineer's control, and if so, Engineer and Corix agree to update the schedule when necessary. Notwithstanding the foregoing, access to Corix's premises for performance of the Services shall only be granted during Corix's normal business hours unless otherwise authorized by the Corix Representative identified in Section 3 of this Agreement.

#### 2. Term

2.1. The term of this Agreement shall commence on the Effective Date and terminate on June 30, 2024 (the **"Termination Date"**), unless terminated earlier pursuant to Section 11 of this Agreement (the **"Term"**).

Corix Engineering Services Agreement Revised 9-10-2021 Version 1

#### 3. Corix Representative

3.1. Corix's representative in respect of this Agreement is Mark Windholz, Project Manager (the "**Corix Representative**"). Corix shall notify Engineer if it changes the Corix Representative. The Corix Representative shall be Engineer's principal contact for the purposes of this Agreement and the Services. Engineer shall report to, make recommendations to, and take directions from the Corix Representative in respect of the Services.

#### 4. **Representations and Warranties**

- 4.1. Engineer hereby represents and warrants to Corix that:
- (a) Engineer and all of its employees performing the Services possess the necessary qualifications, licenses, permits, knowledge, skills, expertise and experience to perform the with the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality;
- (b) the performance of the Services do not create any conflict of interest, either ethically, professionally or otherwise in relation to any services provided by Engineer to any other party prior to or concurrently with this Agreement;
- (c) all equipment and materials provided as part of the Services are free and clear of any encumbrance or lien;

#### 5. Covenants

- 5.1. Engineer hereby covenants to Corix as follows with respect to the performance of the Services:
- (a) Engineer shall perform the Services with the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality;
- (b) Engineer shall comply with all safety, security and quality control procedures required by Corix of which Engineer is made aware;
- (c) Engineer shall comply with all applicable laws, orders, regulations, ordinances, standards, codes and other rules, licenses and permits of all lawful authorities;
- (d) where applicable, Engineer shall take all measures in the performance of the Services to minimize disturbance or damage to the environment;
- (e) Engineer shall furnish all labor, supervision and materials, for the complete performance of the Services, but shall not be responsible for the means and methods of project delivery; and
- (f) Engineer shall cooperate fully with the Corix Representative in conducting reviews, inspections or tests of the Services performed and shall, at no cost to Corix, perform such additional work as may be considered necessary by Corix (acting reasonably) to remedy any deficiencies in the Services caused by a negligent act or omission of Engineer or by the failure of Engineer to perform the Services in accordance with the provisions of this Agreement. In the event that Engineer fails to initiate good faith diligent efforts to remedy any such deficiencies within five business days following receipt of written notice from Corix to do so, or fails to continue to exercise in good faith such diligent efforts at any time prior to such deficiencies being remedied, Corix may have such additional work performed by others and withhold payment to Engineer to cover the cost of such additional work (or if no payment is otherwise due from Corix to to Engineer, Corix shall invoice Engineer for the cost of such additional work and Engineer shall pay the invoice within 30 days of receipt). Corix shall be entitled to withhold payment only in respect of the amount of the Services or additional work in dispute, the balance of the fees not in dispute shall be paid.

Any such withholding shall continue until the deficiency has been rectified to the satisfaction of Corix (acting reasonably). This provision shall survive the termination of this Agreement. No review, inspection or test by Corix shall in any event relieve Engineer from its responsibilities or obligations under this Agreement; and

- (g) Engineer shall keep the Corix Representative informed and updated regarding Engineer's progress in performing the Services.
- 5.2. Corix hereby covenants to Engineer as follows with respect to the performance of the Services:
- (a) Corix will assist the Engineer by placing at the Engineer's disposal all available information pertinent to the Services;
- (b) Corix will provide all criteria and complete information as to its requirements for the Scope of Work, and shall furnish all design and construction standards which Corix will require to be included in any reports or engineering plans, specifications, and operational narrative; and
- (c) Corix, with Engineer providing assistance, including supporting documents, shall secure all permits and approvals necessary for the complete performance of the Services.

#### 6. Terms of Payment

- 6.1. <u>Fees</u>. Corix shall pay Engineer for the Services in accordance with the fee schedule attached as Schedule "B".
- 6.2. <u>Deductions</u>. Corix shall not be responsible for deducting or remitting from Engineer's compensation any amounts in respect of income tax withholding, unemployment insurance premiums, workers' compensation premiums or any other withholdings or deductions.
- 6.3. <u>Invoice and Report</u>. On the last day of each month, or the first business day thereafter if the last day is not a business day, commencing after the Effective Date, Engineer shall submit to the Corix Representative an invoice for Engineer's fees for the immediately preceding month and a status report as described in Schedule "A together with each invoice to qualify for payment of the fees. All invoices shall include the fees charged, the number of hours of services provided in the performance of the Services and applicable taxes.
- 6.4. <u>Audit</u>. Upon reasonable demand, Engineer will permit Corix, or any person designated by Corix, to examine, audit, and copy invoices, accounts, receipts, time sheets or other records or materials relating to Engineer's performance of the Services or to the payment of fees.
- 6.5. <u>Payment of Invoice</u>. The Corix Representative shall verify and approve each invoice and shall arrange for payment within 30 days after approval. In the event Corix disputes in good faith a portion of the fees invoiced by Engineer, Corix will pay the uncontested portion within the prescribed time.
  - (a) Disputes regarding the fees of Engineer will be resolved in good faith and as described in Section 12.
- 6.6. <u>Liens, Claims.</u> Engineer shall timely pay all indebtedness for equipment, materials, supplies and labor used in the performance of Services. Engineer shall not permit any lien or charge to attach to any materials purchased by it hereunder or any premises upon which Services are performed by reason of its own work or the work of its subcontractors, if any. If any such lien shall so attach, Engineer shall promptly procure its release and hold Corix harmless from all loss, damage, cost or expense incidental thereto assuming Corix has paid all applicable invoices. If requested by Corix, Engineer shall submit to Corix lien releases or waivers, in a form acceptable to Corix and Engineer, from Engineer and its subcontractors and suppliers. If requested, the receipt of a satisfactory lien release shall be a condition precedent to final

payment by Corix to Engineer. Corix may withhold from any payment due to Engineer an amount sufficient to indemnify Corix against any lien claim that could arise in connection with the provision of Services, until such time as the lien has been discharged or other arrangements to satisfy the lien have been made by Engineer.

#### 7. Maintenance of Records

7.1. Engineer shall keep full and detailed records respecting performance of the Services for at least one year after completion or termination of the Services, and Engineer shall permit Corix to inspect and audit these records at all reasonable times.

#### 8. Insurance

- 8.1. <u>Minimum Coverage</u>. Before commencing the Services, Engineer shall obtain, at its own expense, the following insurance coverage:
- (a) commercial general liability for bodily injury, death and property damage in the minimum amount of \$2 million per occurrence, naming Corix as an additional insured with respect to the Services. The policy shall also provide such insurance as primary insurance in relation to liability arising out of the Services and contain a cross liability provision and a waiver of subrogation against Corix and its officers, directors, servants and agents;
- (b) professional liability insurance in the minimum amount of \$2 million per claim and \$2 million in aggregate. Coverage shall be maintained for at least 12 months after the termination of this Agreement;
- (c) automobile liability insurance coverage in the minimum amount of \$1 million;
- (d) worker's compensation insurance in an amount satisfying the statutory minimum requirements where the Engineer's work will be performed; and
- (e) employer's liability insurance in the minimum amount of \$1 million.
- 8.2. <u>Additional Insurance</u>. During the Term, Corix may, by written notice, require Engineer to obtain additional insurance or to alter or amend the insurance policies required under this Section at Corix's expense.
- 8.3. <u>Evidence of Insurance</u>. Prior to commencing the Services, Engineer shall provide Corix with evidence of the foregoing insurance coverage, in a form satisfactory to Corix.

#### 9. Liability

- 9.1. Provided Engineer maintains the insurance required by Section 8.1(b) above, Engineer's liability for claims which Corix has or may have against Engineer or Engineer's employees, agents, representatives and subcontractors under this Agreement, whether these claims arise in contract, tort, negligence or under any other theory of liability, will be limited, to re-performance of defective Services by Engineer, plus:
  - (i) where claims are covered by insurance under Section 8, to the amount recovered from such insurance; or
  - (ii) where claims are not covered by insurance under Section 8, to the value of the Services hereunder.
- 9.2. Without limiting the Parties' rights as against insurance coverage or proceeds, in no event shall either party, or its employees, agents, representatives, and subcontractors, be liable to the other or any other party, under this Agreement, in tort (including negligence), strict liability, under statute or otherwise, for

exemplary or punitive damages, or for any special, incidental, indirect or consequential loss or damage of any kind or nature arising at any time or from any cause whatsoever. The limitation contained in this Section 9.2 shall be available to Engineer only if the Engineer maintains the professional liability insurance required by Section 8.1(b) above.

#### 10. Indemnity

- 10.1. <u>Indemnity from Engineer</u>. Engineer shall indemnify and hold Corix, its directors, officers, representatives, agents and employees (the "**Corix Parties**") harmless from and against any actions, claims, damages, costs and expenses whatsoever (including without limitation all applicable, reasonable lawyers' fees and disbursements, investigation expenses, adjusters' fees and disbursements) which may be brought against or suffered by one or more Corix Parties, or which one or more Corix Parties may incur, sustain or pay, arising out of or in connection with the Services, except to the extent caused by the negligence, wilful act or omission, or breach of this Agreement by one or more of the Corix Parties.
- 10.2. <u>Survival</u>. This Section shall survive the termination of this Agreement.

#### 11. Termination

- 11.1. <u>Early Termination for Breach</u>. If either party (the "**Defaulting Party**") is in material default of its obligations under this Agreement (which default has not been remedied within 10 days after receipt of notice form the other party) or becomes insolvent, commits an act of bankruptcy, has a receiver or liquidator appointed for its assets or otherwise files for protection from claims of its creditors, the other party may, without prejudice to any other rights or remedies it has, terminate this Agreement effective immediately upon written notice to the Defaulting Party.
- 11.2. <u>Early Termination without Breach</u>. Corix may terminate this Agreement upon 30 days' prior written notice to the Engineer.
- 11.3. <u>Effect of Termination for Breach</u>. If Corix terminates this Agreement pursuant to Section 11.1, Corix may take possession of Engineer's work product and materials and complete the Services. On termination, Corix shall not be required to pay Engineer any further amount due and payable under this Agreement until the Services have been completed and the costs, if any, of completing the Services are set off against the balance remaining unpaid.
- 11.4. <u>Effect of Termination without Breach</u>. If Corix terminates this Agreement pursuant to Section 11.2, Corix shall only be responsible for the payment of:
  - (b) reasonable expenses incurred in connection with the Agreement up to and including the effective date of termination; and
  - (c) a reasonable amount in respect of fees in accordance with value of the professional time expended by Engineer up to and including the effective date of termination.

#### 12. Disputes

- 12.1. <u>Negotiation</u>. The parties will make reasonable efforts to resolve disputes arising under this Agreement by amicable negotiations. The parties agree to provide frank, candid and timely disclosure of relevant facts, information and documents to facilitate these negotiations, without prejudice to their rights and recourse.
- 12.2. <u>Mediation</u>. If the parties fail to resolve their dispute through negotiation, either party may notify the other party that it wishes the dispute to be resolved by mediation, with the rules of mediation to be agreed between the parties and the mediator.

12.3. Waiver of Jury Trial. BY THEIR INITIALS FOLLOWING THIS PROVISION, THE PARTIES KNOWINGLY AND VOLUNTARILY WAIVE THEIR RIGHTS TO A TRIAL BY JURY, ON ANY ISSUE BETWEEN THEM, AND CONSENT TO HAVE ALL SUCH ISSUES DECIDED BY THE COURT HAVING JURISDICTION THEREOVER. THE PARTIES ACKNOWLEDGE EACH HAS BEEN ADVISED TO SEEK THE ADVICE OF COUNSEL AS TO THE CONSEQUENCES OF THIS WAIVER, AND HAS EITHER OBTAINED THAT ADVICE OR DECLINED KNOWINGLY TO DO SO.

TLR Engineer: Corix:

13. Confidentiality and Ownership

- 13.1. Use of Confidential Information. All information or documentation received by Engineer pertaining to or arising from the Services or the business affairs or trade secrets of Corix shall be deemed to be confidential and proprietary to Corix. Except as otherwise provided herein, Engineer shall not directly or indirectly disclose any such confidential information or documentation to any third party without the prior written consent of Corix. Such consent is not required to the extent that such disclosure is necessary for the proper performance of this Agreement or to comply with a lawful order of any court or agency.
- 13.2. <u>No Application</u>. The obligation of confidentiality set out above shall not apply to material, data or information which is known to Engineer prior to its receipt thereof, which is generally available to the public or which has been obtained from a third party which has the right to disclose the same.
- 13.3. Corix will have and retain ownership of all drawings, plans, designs, specifications, and reports resulting from the performance of the Services ("Engineering Documents") provided the fees of Engineer are paid in accordance with this Agreement. In addition, Corix will have a non-exclusive, irrevocable, worldwide, royalty-free license to use any proprietary concept, product or process of Engineer which relates to or results from the Services. Engineer shall not be liable for any changes made to Engineering Documents by Corix.
- 13.4. Ideas, concepts, software programs, techniques, document templates, template instances, innovations and improvements ("Intellectual Property") that are of repetitive or general application and related to Engineer's existing proprietary knowledge that are developed or refined by Engineer during and in relation to the Services will be deemed incorporated material and will continue to be owned by Engineer. Software used, refined or developed by Engineer is considered an instrument of service and does not form part of the deliverables of the Services.
- 13.5. Engineer warrants that the Engineering Documents and calculations developed by Engineer under this Agreement will not infringe the patent, copyright, trademark or other intellectual property rights of another person.
- 13.6. Provided that all copies of the Engineering Documents provided to Corix hereunder are stamped and signed by a professional engineer engaged by Engineer (at Engineer's sole cost and expense) and acceptable to Corix (acting reasonably), Engineer will be entitled to retain possession of the originals of the Engineering Documents.
- 13.7. Corix may not use the Engineering Documents without having paid the fees of Engineer.
- 13.8. <u>Ownership of Corix Information</u>. Engineer acknowledges and agrees that Corix has and shall have proprietary rights in all information and documentation supplied to Engineer by Corix or arising from the performance of the Services including, without limitation, finished drawings, rough drawings, correspondence, notes, calculations and other work in progress, and Engineer shall surrender any such materials that may be in its possession to Corix at any time upon the request of Corix or at the termination of this Agreement.

13.9. <u>Survival</u>. The covenants of Engineer set out in Section 13.1 shall survive the termination of this Agreement for a period of five years; provided, however, that with respect to any confidential information shared hereunder which constitutes a trade secret, such covenants shall survive termination of this Agreement for as long as such confidential information constitutes a trade secret or for five years, whichever period is longer. The provisions of Sections 13.3 through 13.8, and the provisions of this Section 13.9 shall survive termination of this Agreement for any reason.

#### 14. Subcontracting

14.1. Engineer shall not subcontract any of the Services without the prior written consent of Corix. Notwithstanding Corix's consent to the subcontracting of any of the Services, no such subcontracting shall relieve Engineer from its obligations and responsibilities to Corix under this Agreement.

#### 15. Assignment

15.1. Engineer shall not assign its rights or obligations under this Agreement without the prior written consent of Corix, which consent may be arbitrarily withheld. Corix may assign its rights and obligations under this Agreement without the consent of Engineer.

#### 16. Relationship

- 16.1. <u>Independent Contractor</u>. In performing the Services, Engineer shall be an independent contractor and shall have responsibility for the control over the details and means of performing the Services. Engineer's employees and permitted sub-contractors shall at all times be under Engineer's direction and control, and Engineer shall be responsible for their actions and omissions. Engineer shall not have authority to bind or commit Corix in any manner, including without limitation, to any contractual commitment or capital expenditure. Nothing herein shall be deemed or construed to create a joint venture, partnership, employment or agency relationship between the parties for any purpose.
- 16.2. <u>No Further Obligations</u>. For greater certainty, it is understood that on termination of this Agreement, Corix shall have no further obligations of any kind to Engineer with respect to the Services or the termination of this Agreement, except as expressly set out in this Agreement.
- 16.3. <u>No Exclusivity</u>. Corix shall retain the services of Engineer for the provision of the Services on an asneeded basis as determined by Corix in its sole discretion. Corix is under no obligation to retain the services of Engineer at any particular time, in any particular geographic location, in respect of any particular business opportunities or for any minimum amount of time or dollar value.

#### 17. Notice

- 17.1. <u>Address for Notice</u>. Any notice or communication required or permitted to be given under this Agreement shall be in writing and shall be considered to have been given if delivered by hand or transmitted by electronic transmission to the address or Email address of each party set out below:
- (a) if to Engineer:

Lumos & Associates Attention: Tim Russell, Engineer Director, P.E. 9222 Prototype Drive Reno, NV. 89521 Email: <u>trussell@lumosinc.com</u> (b) if to Corix:

### GREAT BASIN WATER COMPANY 1240 E. STATE ST. SUITE 115 PAHRUMP NV. 89048

Attention: Mark Windholz, Project Manager 1240 E. State St. Ste. 115 Pahrump NV, 89048 Email: <u>mark.windholz@greatbasinwaterco.com</u>

or to such other address or Email address as a party may designate in the manner set out above.

- 17.2. <u>Delivery</u>. Notice or communication shall be considered to have been received:
- (a) if delivered by hand during business hours on a business day, upon receipt by a representative of the receiver, and if not delivered during business hours, upon the commencement of business on the next business day;
- (b) if sent by electronic transmission during business hours on a business day, upon the sender receiving confirmation of the transmission, and if not transmitted during business hours, upon the commencement of business on the next business day.

#### 18. Miscellaneous

- 18.1. <u>Law</u>. This Agreement shall be governed by and construed in accordance with the laws of the State of Nevada (excluding its conflict of laws rules). The federal and state courts of the State of Nevada shall have jurisdiction over all claims, disputes and actions related to this Agreement and the parties hereby consent to the jurisdiction of those courts.
- 18.2. <u>Time</u>. Time is of the essence in this Agreement.
- 18.3. <u>Enurement</u>. This Agreement shall be for the benefit of and be binding upon Corix and Engineer and their respective successors and assigns.
- 18.4. <u>Number and Gender</u>. In this Agreement, unless there is something in the subject matter or context inconsistent therewith: (a) words in the singular number include the plural and such words shall be construed as if the plural had been used, (b) words in the plural include the singular and such words shall be construed as if the singular had been used, and (c) words importing the use of any gender shall include all genders where the context or party referred to so requires, and the rest of the sentence shall be construed as if the necessary grammatical and terminological changes had been made.
- 18.5. <u>Entire Agreement</u>. This Agreement, the Schedules, and the Exhibits referred to herein together constitute the entire agreement between the parties hereto and supersede all prior agreements, representations, warranties, statements, promises, information, arrangements and understandings, whether oral or written, express or implied, with respect to the subject matter hereof.
- 18.6. <u>Amendments and Waivers</u>. Except as may be specifically provided in Schedule "A" with respect to change orders, the parties are not bound by any amendment or variation of any provision of this Agreement unless it is in writing and signed by both parties. A waiver by either party of any term of this Agreement or of any breach by the other party of this Agreement is effective only if it is in writing and

signed by such waiving party. Such a waiver shall not be deemed to constitute a waiver of any other term or any other breach.

- 18.7. <u>Counterparts</u>. This Agreement may be executed by the parties in one or more counterparts and may be delivered by facsimile or other means of electronic transmission, each of which when delivered shall be deemed to be an original and all of which shall together constitute one and the same Agreement.
- 18.8. <u>Partial Invalidity</u>. If any part, term or provision of this Agreement is held by any court of competent jurisdiction to be illegal or in conflict with any applicable law, the validity of the remaining portion or portions of this Agreement shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provision held to be invalid.

WHEREFORE, the undersigned parties certify that each has proper authority to execute this agreement on behalf of his or her entity, and duly execute this Agreement effective as of the Effective Date.

LUMOS & ASSOCIATES

Kunel By:

Name: Tim Russell *U* Title: Engineer Director

#### GREAT BASIN WATER COMPANY

By.

Name: /James Eason Title/Director of State Operations

#### SCHEDULE A SCOPE OF WORK

#### 1. General

2. Lumos & Associates will assist GBWC by designing, engineering, and permitting a new production well. Lumos & Associates will develop a scope of work that will be integrated into the contract documents and be sent to qualified drilling contractors and construction/electrical contractors requesting Request for Pricing (RFP) of the Project. Lumos & Associates will evaluate and assist with the review of the proposals, generate a matrix for evaluation of drilling contractors, construction/electrical contractors and provide recommendations for awarding based on the evaluations. Lumos & Associates will assist GBWC with the selection of the contractors for the drilling, development, pump testing of the project. Lumos & Associates will aid with the Quality Assurance protocols to ensure that the project is completed in a timely manner. Lumos & Associates will review and approve a final closeout report of the project from the Drilling Company and construction/electrical contractor that will be submitted to GBWC.

#### 3. Services and Deliverables

Engineer shall perform the Services set out in Exhibit 1 attached hereto, which describes the Services and deliverables in detail. See schedule of Anticipated Timelines in Section 4 below.

#### 4. Schedule

Engineer shall carry out its performance of the Services in accordance with the table set out below.

· ·	
Tasks	Estimated Time
Preliminary Design Report	5 – 8 Weeks
Topographical Survey and Base Map	2 – 3 Weeks
Geotechnical Investigation (Includes Backhoe)	2 - 3 Weeks
Design Production Well, Well House and Appurtenances Systems	5 - 6 Weeks
Agency Submittal, Permits, and Revisions (Includes Permitting)	8 – 12 Weeks
Bid Process Over-Sight	1 – 2 Weeks
Construction and Quar Sight	
Construction and Over-Sight	16 – 20 Weeks
Closeout Report and Record Drawings	2 – 3 Weeks
Total Weeks for Project	41 – 58 Weeks

#### Anticipated Timeline

Task durations that exceed the schedule estimates may be considered a scope change; provided that the reason for the schedule estimates being exceeded is not the result of the acts or omissions of Engineer, and subject to written approval in advance by Corix.

#### 5. Status Report

Engineer shall prepare and submit to the Corix Representative on a monthly basis (or such other basis as the Corix Representative may require) a detailed progress report on the Services that shall include the following items:

- (a) Engineer's costs for the preceding period with a breakdown of the hours for each task and a brief description of the Services performed;
- (b) Notation of percentage complete for each line item;
- (c) Engineer's total costs to date; and
- (d) an update on the status of the Services.

#### 6. Change Orders

The Corix Representative may by a written change order change, add to or delete from the scope of Services and Engineer shall be required to perform the Services as amended. Where such a change in the Services warrants additional payment, the rate shall be mutually agreed by the parties. No amount in addition to the fees set out in Schedule "B" shall be paid to Engineer unless authorized by the Corix Representative in writing and in advance.

#### 7. Witness

Engineer shall, if requested, act as a competent witness to testify to Engineer's scope of services and deliverables.

#### **EXHIBIT 1**

#### Scope of Services and Deliverables.

- 1. The scope of work to be performed by Engineer under this Agreement is as follows:
  - (a) The Firm will provide a Preliminary Design Report
  - (b) Provided a Topographical Survey and Base Map for Well 10 site
  - (c) Provide Geotechnical Investigation at well site
  - (d) Design the production well, well house and appurtenances systems
  - (e) Submit Well 10 drawings to State and Local Agencies for approval
  - (f) Assist and provide over-sight for bid process
  - (g) Provide construction and over-sight of project
  - (h) Provide a closeout report with Recorded Drawings

## **GBWC-PD** Production Well-10 Replacement Scope of Work (Final)

## **Project Understanding**

The Great Basin Water Company Pahrump Division (GBWC-PD) has five (5) wells located in the Low Zone Pressure Area (LZ-1). GBWC wishes to increase the production of service capacity by replacing the 67-year-old existing irrigation well with a new municipal production well on the same well site, located on 971 S Delaware St. APN# 038-321-19 (please see Attachment G, Vicinity Map). By adding this new production well, it will increase well capacity for the growth that the water system has experienced over the last 6 years and for future growth. The new production well will assist with the added water demand in the High Zone System (HZ-2) which receives its water from all wells in the lower zone through the Alfalfa Booster Station pumping into the High Zone Tank. GBWC-PD requested and received prudency from the Public Utility Commission of Nevada (PUCN) to replace the existing irrigation well, Well 10 which has outlived its life expectancy.

GBWC-PD is requesting proposals from engineering firms including Lumos to assist GBWC in the design, engineering and development of the new production well and well site. Below is the scope of work for this project.

## Scope of Work Methodology

Lumos has generated the following scope of work approach that we believe will significantly reduce construction costs of the project by eliminating the need for a separate test hole project. We anticipate that the reduction of this test hole portion in task-1 of the project will save GBWC-PD at least \$70,000 in cost. Our approach focuses on the collection of 90% of the information necessary to develop the preliminary design report in Task-1 and then solidifying the remainder of the required data/analysis during the actual drilling of the new production well. By taking this approach, there won't be the need to drill a test hole to complete the preliminary design report and well design. Lumos has conducted this work methodology for data collection and analysis several times successfully.

### Task-1: Preliminary Design Report

Lumos will conduct an assessment of the existing Well-10 to aid us in the preparation a preliminary design report. The assessment will include reviewing a video survey of the entire well, pump testing, and water quality analysis for all primary and secondary inorganic constituents. The pump test will include radial interference testing of the existing Well-10 with the two adjacent municipal wells (Wells 9 and 11) owned by GBWC-PD. The data will be analyzed and used in the development of the preliminary design report. No test hole drilling will be necessary during this task. Instead, a pilot hole for the future Well-10 will be drilled to the targeted depth, e-logged, and lithologic samples sieved to develop a final well design (determining screen slot size and gravel pack, please see Task-7). Lumos believes that enough information can be gathered from

the existing Well-10 to generate a complete and concise preliminary design report. What isn't available can be collected from the drilling of the replacement well's pilot hole. All expenses associated with data collected (pump company contracts, water quality analysis, test pumping and monitoring of wells) will be the responsibility of Great Basin Water Co. – Pahrump Division (GBWC-PD) with direction provided by Lumos. Lumos's direct involvement will be to coordinate and provide specific instructions and procedures to ensure the data is collected properly for analysis. Lumos will prepare the preliminary design report to include an estimated production capacity and well design for the future well. A schematic layout will also be generated showing the location of the well, discharge piping, electrical controls, well house, and other appurtenant facilities. The preliminary design report will be submitted to GBWC-PD for review. After their review is completed, Lumos will setup a virtual meeting to discuss all revisions and comments provided by GBWC-PD.

## Task 2: Topographical Survey and Base Map

Lumos will subcontract a local survey company to conduct a topographical survey of the Well-10 parcel, which is roughly 50' X 100' in dimension. The topographic survey map will be created at a scale of 1'' = 5' with 1-foot contour intervals in accordance with National Map Accuracy Standards for the project area. All existing surface improvements, utilities, and grades will be plotted as well as an extension off the parcel approximately 20 feet in the direction that the discharge assembly where the future connection to the distribution water main will be. Boundary information will be shown from record data, and no property monuments will be set under this task. The base map will be used for grading and site work design improvements.

### **Task 3: Geotechnical Investigations**

Lumos will determine the soil conditions and make recommendations for the foundations and site grading for the proposed project. For the geotechnical scope of work, Lumos will complete a field investigation that will consist of two (2) subsurface test pits at the proposed site. Exploration depths will be from 10 to 15 feet below ground surface, or practical refusal, whichever comes first. Samples will be collected from the surface and at each soil layer encountered below ground surface. Lumos will provide the excavation services and the USA dig clearance.

Lumos will sample each exploration test pit, classify the encountered soils in accordance with the Unified Soil Classification System (USCS), and conduct laboratory testing on the samples collected. Additionally, Lumos shall perform engineering analyses, calculations and develop a geotechnical investigation report that will discuss the geologic settings, seismic considerations, exploration, site condition, field and laboratory test data with conclusion and recommendations from a geotechnical perspective. The geotechnical investigation will be prepared by a Registered Nevada Civil Engineer and will specifically include the following services:

Field Investigation will include:

- USA Dig Clearance
- Location of Exploration Test Pits
- Logging of all Soil Profiles Based on USCS
- In-place Nuclear Density and Moisture Content Testing

• Water Table Measurement, if Encountered

Laboratory analysis may include:

- Atterberg Limits (ASTM D-4318)
- Grain Size Analysis (including fines content) (ASTM C-136)
- Moisture Density Curve (ASTM D-1557)
- Ph, Soluble Sulfate and Resistivity
- Direct Shear (ASTM D-3080)
- Expansion Index (ASTM D-4929)
- Consolidation (ASTM D-2435)

Report, Recommendations and Conclusions:

- Exploration Logs
- Soil Types and Classification
- Laboratory Test Results
- Seismic Considerations
- Geotechnical Discussion
- Bearing Capacity and Settlement
- Modulus of Subgrade Reaction (K-Value)
- Shear Strength Parameters of Site Soils
- Coefficient of Friction of Site Soils
- Lateral Earth Pressures (active, passive, and at rest)
- Foundation Recommendations
- Portland Cement Concrete Recommendations
- Groundwater Level, if encountered

Lumos will not be responsible for any costs associated with any soil and/or groundwater contamination evaluation at the site. We have assumed that no permits are required to conduct our field investigation and/or tests, and that access to the property will be granted to our Field Engineer and our excavation subcontractor.

### Task 4: Production Well, Well House Appurtenance Systems

Using the consensus from the well production layout developed in the preliminary design report, Lumos will generate the necessary application forms, vicinity map with well location and potential contaminant sources, well design, and FEMA flood zone area map. Lumos will also prepare engineering drawings and construction documents (with specifications) for the proposed project improvements at the following design levels which include; design development (60% plan set design), permit documents (90% plan set design), and construction documents (100% design). Lumos will set up a technical review meeting with GBWC-PD at each design submittal level and will incorporate comments received from the GBWC-PD staff. The engineering drawings will include the site work grading, well house, appurtenances, well house foundation, architectural, piping configuration, piping interconnect to distribution, electrical drawings, and telemetry (provided by Delta Services). The site work design will consist of developing a site layout, Best Management Practices (BMP), erosion control plan, and a grading plan for the new well house and concrete pad locations.

Development of all specifications and contract documents will be concurrent with the engineering drawing plan set. The engineering drawings may include but not be limited to:

- 1. Title sheet with notes, locations, and vicinity maps;
- 2. A site plan indicating the site improvements;
- 3. Grading plan;
- 4. Well design;
- 5. Well house and appurtenances;
- 6. Well house foundation design;
- 7. Piping configurations plan and profiles;
- 8. Interconnected waterline layouts plan and profile;
- 9. Electrical drawings;
- 10. Telemetry drawings (from Delta Services GBWC-PD's telemetry consultant);
- 11. Detail sheet with construction details and piping connections.

Based on a conversation with GBWC-PD Project Manager, Lumos believes that the well house will be wood framed structure that does not exceed a foot print of 12' X 12' in dimension.

### Task 5: Agency Submittals, Permits and Revisions

Lumos will provide two (2) wet stamped plan sets, specifications, water project application, and hydraulic water model report to the Nevada Department of Environmental Protection (NDEP) for their review and approval. Two (2) copies of the NDEP submittal will also be provided to GBWC-PD for their records. As a courtesy, Lumos will provide the Public Utility Commission of Nevada (PUCN) a copy of the NDEP submittal for their review and documentation. Lumos will conduct up to one (1) round of plan revisions but depending on the extent of the revisions requested by NDEP, Lumos reserves the right to provide an addendum for the additional work.

Lumos will make every effort to comply with the requirements and/or requests of the County and State, but cannot guarantee final approval of the plan set. Lumos will work with the permitting reviewers to facilitate their approval. GBWC-PD should anticipate at least one (1) set of redlines from the review agencies before project approval occurs.

Following approval from the County/State regulators, Lumos will provide two (2) approved wet stamped plan sets to GBWC-PD for their use in the construction bid documents. Lumos is assuming that GBWC-PD will directly go out to bid with support from Lumos. While Lumos will submit the design plans for the building permit, the awarded contractor will need acquire the permit in their name for construction of the project.

Lumos anticipates that several permits will be required from the following regulatory agencies for the drilling of the future production well, well house, electrical, discharge assembly and appurtenant facilities:

- Nevada Division of Water Resources
  - ï Water Right Permit Change applications (by others)
- Nevada Department of Environmental Protection
  - Water Project Application Permit (Lumos)
- Nye County Zoning Department (Contractor)
  - ï Intent to Develop Property
  - i Air Quality Permit (Contractor)
- Nye County Building and Safety (Contractor)
  - ï Building Permit
  - ï Electrical Permit
- Nye County Public Road Department (Contractor)
  - ï Encroachment Permit

## **Task 6: Contractor Bid Process Oversight**

Lumos will provide GBWC-PD with a scope of work and specifications for use in their standard request for proposal documents to select a a primary contractor to drill the production well, construct the well house, discharge assembly, electrical improvements, and appurtenances. This may include publishing, advertisements, and distributing the approved bid package to interested contractors and parties. If required, all advertising fees will be paid directly by GBWC-PD and reproduction cost may be reimbursed through a time and material basis payments made to Lumos for additional plan sets to interested parties. Lumos will develop a bid plan holder's list and keep track of who received a plan set for the bidding the project. Lumos will, with the assist GBWC-PD, hold a pre-bid meeting, respond to requests for information, issue addendums and clarifications as necessary, assist with the bid opening, perform an evaluation of the bids for completeness, and provide tabulated bid results (bid tab) with a recommended contractor award to GBWC-PD will make the final decision and award the bid. GBWC-PD will contract directly with the contractor(s).

### Task-7: Construction Over-Sight

Lumos will coordinate the execution of the contract documents between GBWC-PD and primary contractor, assist in the issuing of the notice to proceed, coordinate and lead the pre-construction meeting, review submittals and safety plans, respond to requests for information, and conduct bi-weekly construction progress meetings as necessary to expedite the project and ensure quality control. Following completion of the construction of the facilities, Lumos, GBWC-PD and the contractor will conduct a final walk through of the facilities and generate a punch list for the contractor to complete. Inspection and testing during construction will involve the following:

### Task-7a: Production Well Coordination and Drilling Over-Sight

Lumos will assign a hydrogeologist to conduct coordination, and over-sight services to ensure the drilling contractor follows the specification for the pilot hole drilling, borehole reaming, construction, development, and testing of the new production well. The preliminary well design will be finalized once the pilot boring has been drilled, e-logged, and lithologic samples sieve to

design the final screen slot size and gravel pack size. Coordination with the casing and gravel vendors will be conducted prior to beginning the drilling of the pilot hole. Final design can be completed within a few hours of the final data being provided to the hydrogeologist for analysis. Once the final design is complete, the drilling contractor will contact the casing vendor with the length of screen and slot size for the screen. They will also contact the gravel vendor to have the gravel delivered within the timeframe for construction of the well. Following well construction and development completion, a pump test will be conduction on the new well. Water samples will be collected following the constant rate pump test and given to GBWC-PD personnel for transport to a State certified analytical lab of their choice. The entire panel of Safe Drinking Water Standard constituents will be analyzed by the lab.

NDEP requires a hydrologic report that include the chemical analysis, analysis of the step drawdown test and constant rate test, aquifer characteristics, well parameters and yield (NAC 445A.66885). Lumos will prepare a final well report that includes all these requirements along with information on the drilling, lithologic logs, well construction, well development and pump testing. The report will be provided to GBWC-PD for their review and comments prior to submittal to NDEP. Revisions requested by GBWC-PD will be incorporated into the final report.

### Task-7b: Well House and Discharge Assembly Inspection and Testing

Lumos will coordinate with the contractor in order to schedule inspections and testing services during the construction of the remaining well facilities including the discharge piping, well house foundation, electrical equipment and other appurtenant facilities. Lumos's inspector will fill out daily logs of the inspections and tests conducted. These logs will be provided to GBWC-PD for their records. All inspections and testing will adhere to GBWC-PD and the American Water Works Associates standard and specifications as provide in plan set. Since timing and coordination of these facilities are not know at this time, Lumos is recommending that this portion of this task be conducted on a time and material (T&M) basis as provided in the fee schedule.

### **Task 8: Closeout Report and Record Drawings**

At the completion of the project and final walk through, Lumos will develop a closeout report of the total scope of work of the project. The closeout report will detail the construction, schedule and any specific changes that occurred from the original work. As part of the close report, the well hydrologic report, that's required by the BSDW (NAC 445A.66885), will be added as part of the appendices. Lumos will also prepare record drawings of the new facilities for submittal to NDEP for closing out the project and approval as well as GBWC-PD. Lumos will prepare a letter of substantial compliance with the record drawings to be submitted to GBWC-PD and NDEP.

#### SCHEDULE B TERMS OF PAYMENT

#### 1. **Fees**

Corix will pay the Firm for the Services in accordance with the rate schedule below. Engineer acknowledges and agrees that payment will be made on the basis of the Services actually and fully performed. Corix shall have no obligation or liability to pay Engineer for any amount greater than the maximum agreed amount unless Corix has given Engineer its express prior written approval to exceed such amount.

#### 2. Rate Schedule

The engineering fee for the Services shall be a lump sum fee of \$ 263,800 in accordance with the table below. Progress invoices will be submitted monthly based on the Engineer's estimate of the percent of work complete at the time of invoicing. All dollar amounts expressed are in U.S. currency.

Tasks	Costs
Preliminary Design Report	\$ 27,000
Topographical Survey and Base Map	\$ 8,500
Geotechnical Investigation (Includes Backhoe)	\$ 8,800
Production Well, well house and appurtenance systems	\$ 83,000
Agency submittal, permits, and revisions (Includes Permitting)	\$ 11,500
Bid Process over-sight	\$ 12,000
Construction over-sight (T&M, Not to exceed)	\$ 104,000
Closeout Report and Record Drawings	\$ 9,000
Total Project	\$ 263,800

#### **CHANGE ORDER NO.: 1**

Owner: Great Basin Water Co. Engineer: Lumos & Associates Contractor: Budget Drilling Project: Well 10 Over Drill Contract Name: Well 10 Over Drill Date Issued: September 13, 2023

Owner's Project No.: 2021163 Engineer's Project No.: Contractor's Project No.:

Effective Date of Change Order: September 13, 2023

The Contract is modified as follows upon execution of this Change Order:

#### Description:

Due to unforeseen conditions of the well casing, once the Overdrill was completed, it was decided to install the neat cement between the 20-inch Overdrill assembly and the 30-inch conductor pipe. When the casing was installed around 1920, the casing was tack welded rather than a complete weld around the 16-inch casing. By installing the neat cement against the existing casing, the cement would enter the well through the "butt joints" and fill the well with cement. Through discussions with Lumos, it was advised for GBWC to install a liner into the well. For a successful liner to be installed, the engineer recommends that Budget Drilling perform a Caliper Log and an Alignment Survey to confirm that liner would be able to be placed into the well.

#### Attachments:

#### See change order quote.

	Change in Contract Times	
Change in Contract Price	0 Days	
Original Contract Price:	Original Contract Times:	
	Substantial Completion: October 1, 2023	
93,075.00	Ready for final payment: October 15, 2023	
[Increase] [Decrease] from previously approved	[Increase] [Decrease] from previously approved	
Change Orders No. 0 to No. 1:	Change Orders No.0 to No. 1	
	Substantial Completion: October 1, 2023	
\$_0	Ready for final payment: October 15, 2023	
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:	
	Substantial Completion: October 1, 2023	
\$ 93,075.00	Ready for final payment: October 15, 2023	
[Increase] [Decrease] this Change Order:	[Increase] [Decrease] this Change Order:	
	Substantial Completion: October 1, 2023	
\$ 6,500.00	Ready for final payment: October 15, 2023	
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:	
	Substantial Completion: October 1, 2023	
\$ 99,575.00	Ready for final payment: October 15, 2023	

EJCDC<sup>®</sup> C-941, Change Order. Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 1 of 2

## GREAT BASIN WATER CO, --WELL 10 OVERDRIL CHANGE ORDER NO. 1 REQUEST

TO:	MARK WINDOLZ, PROJECT MANAGER, GREAT BASIN WATER CO.
FROM:	MICILAEL JOHNSON, SAM ROBINSON, BUDGET DRILLING
SUBJECT:	CHANGE ORDER NO. 1 REQUEST: VIDEO LOG, CALIPER LOG AND ALIGNMENT SURVEY AT GBWC WELL 10
DATE:	SEPTEMBER 12, 2023

After surface excavation, removal of the 8-inch diameter artesian bypass, setting and cementing of the surface casing over-drilling of the existing cased well GBWC Well 10 commenced on August 29, 2023. Drilled down with 29.5-inch tungsten carbide bit attached to NSF-61 20-inch casing purchased for the project. During the over-drilling process at the approximate depth of 45 to 50 feet observed increase in fluids from the well. Reached total depth of over-drill of 61 feet on August 30, 2023. GBWC Well 10 was making an estimated 150 gpm during the drilling process, which appeared to be an anomaly as no perforations existed in the nominal 17-inch casing. Clearly there was an issue with the casing integrity. After reaching the over-drill depth of 61 feet the rig was secured. Budget Drilling conducted a well video in the morning of August 31, to inspect the nominal 17-inch diameter casing. During the well video gaps in the casing were observed. Gaps in the original cable tool casing observed at 31.35-ft, 39.63-ft, 43.56-ft, 47.60-ft, 51.74-ft, 55.48-ft and 59.51-ft. Informed GBWC on the condition of the casing installed in the 1920 -1925 timeframe with gaps associated with each joint of cable tool installed casing.

GBWC scheduled a TEAMS meeting to discuss the casing conditions encountered when over-drilling at GBWC Well 10, the meeting occurred on Friday September 1, 2023. During this meeting a discussion on the condition of the existing casing installed and future steps and completion occurred. It was determined to cement the 20-inch O.D, 3/8-inch wall casing in the 29.5-inch over-drill borehole in compliance with NAC 534.380 and NAC 445A.66905 set at a depth of 61 feet to establish the sanitary seal.

One issue to be resolved is the alignment and actual diameter of the original well casing installed in the well should GBWC determine that a liner be installed in the well. During the TEAMS meeting Budget Drilling was requested to obtain information on conducting an alignment survey and a caliper log to determine the feasibility of a liner installation at a later date.

Budget Drilling request Change Order #1 to the existing executed contract documents in the following amount:

Cost to conduct well video to determine casing integrity	\$1,000.00
Cost to conduct the requested alignment survey and caliper log	<u>\$5,500.00</u>
TOTAL CHANGE ORDER No. 1 REQUEST	\$6,500.00

Should you have any questions please contact us.

	Recommended by Engineer of required		
ву:			
Title:	Senior Project Manager		
Date:	1-10-24		
	Authorized by Contractor		
By:	de la		
Title:	Manager		
Date:	1-12-2024		

Authorized by Owner

\_ - -

Project Manager January 16, 2024

Approved by Funding Agency (if applicable)

EJCDC<sup>®</sup> C-941, Change Order. Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 2 of 2

GBWC\_2024 Rate Case\_Vol. 5, Page 214 of 389

#### CHANGE ORDER NO.: 2

Owner: Great Basin Water Co. Engineer: Lumos & Associates Contractor: Budget Drilling Project: Well 10 Over Drill & Rehabilitation Contract Name: Well 10 Over Drill & Rehabilitation Date Issued: December 13, 2023 Owner's Project No.: 2021163 Engineer's Project No.: Contractor's Project No.:

#### Effective Date of Change Order: December 13, 2023

The Contract is modified as follows upon execution of this Change Order:

Description:

The installation of the 20-inch conductor pipe was to stabilize and protect the Overdrill ground around the casing while the Overdrill procedure advanced to the depth of 60 for the sanitary seal. Without this conductor pipe, Budget Drilling risked the collapse of the Overdrill.

The installation of the concrete pad around the well head was necessary to match with what Nevada Department of Environmental (NDEP) approved plan set. This work was not part of the original scope of work proposed in the Overdrill Contract.

- Installation of 20-inch conductor pipe, 60 lf: \$80.00 per lf Total \$4,800.
- Construct concrete pad, set forms, and pour concrete pad, 10.5 x 10.5 ft x 6-inch deep: \$12,700.

#### Attachments:

	Change in Contract Times	
Change in Contract Price	0 Days	
Original Contract Price:	Original Contract Times:	
	Substantial Completion: December 15, 2023	
93,075.00	Ready for final payment: December 30, 2023	
[Increase] [Decrease] from previously approved	[Increase] [Decrease] from previously approved	
Change Orders No. 1 to No. 2:	Change Orders No.0 to No. 1	
	Substantial Completion: October 1, 2023	
\$ 17,500.00	Ready for final payment: October 15, 2023	
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:	
	Substantial Completion: October 1, 2023	
\$ 99,575.00	Ready for final payment: October 15, 2023	
[Increase] [Decrease] this Change Order:	[Increase] [Decrease] this Change Order:	
	Substantial Completion: October 1, 2023	
\$ 17,500.00	Ready for final payment: October 15, 2023	
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:	
	Substantial Completion: October 1, 2023	
\$ 117,075.00	Ready for final payment: October 15, 2023	

#### See change order quote.

EJCDC<sup>o</sup> C-941, Change Order. Copyright<sup>o</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 1 of 2

Recommended by Engineer (if required)			
Title:	Senior Project Manager		
Date:	1-10-24		
	Authorized by Contractor		
By:	and the second		
Title:	Manger		
Date:	_1-12-2024		

Authorized by Owner

Project Manager

January 16, 2024

Approved by Funding Agency (if applicable)

EJCDC<sup>®</sup> C-941, Change Order. Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 2 of 2

GBWC\_2024 Rate Case\_Vol. 5, Page 216 of 389

### CHANGE ORDER NO.: 3

Owner: Great Basin Water Co. Engineer: Lumos & Associates Contractor: Budget Drilling Project: Well 10 Over Drill & Rehabilitation Contract Name: Well 10 Over Drill & Rehabilitation Date Issued: December 13, 2023 Owner's Project No.: 2021163 Engineer's Project No.: Contractor's Project No.:

Effective Date of Change Order: December 13, 2023

The Contract is modified as follows upon execution of this Change Order:

Description: Contractor was given authorization to order and receive the approved liner material per the Phase 2 Well 10 Rehab Installation of Liner. Sanitary Seal work has been approved by NDEP on 1-9-2024. On invoice 10-11282023-2R, dated 12-4-2023, line items 1 and 7 were removed from this change order and are reflected on change order# 2.

ltem	Unit	Description	Quantity	Amount	Line Total
CO#3-1	Ft	10-inch Stainless Steel Casing (304L)	182	\$245.00	\$44,590.00
CO#3-2	Ft	10-inch Stainless Steel Ful Flo Louver Screen (304L)	150	\$315.00	\$47,250.00
CO#3-3	Ft	Stainless Steel Tailpipe	5	\$245.00	\$1,225.00
CO#3-4	Ea	Stainless Steel bullnose	1	\$785.75	\$785.75
CO#3-5	Ea	Freight on shipping of casing and other materials	1	\$3,000.00	\$3,000.00
CO#3-6	Hr	Labor for installation of liner in Well-10	8	\$575.00	\$4,600.00
Total for Change Order #3					\$101,450.75

Attachments:

### See change order quote.

	Change in Contract Times			
Change in Contract Price	0 Days			
Original Contract Price:	Original Contract Times:			
	Substantial Completion: February 15, 2024			
93,075.00	Ready for final payment: February 28, 2024			
[Increase] [Decrease] from previously approved	[Increase] [Decrease] from previously approved			
Change Orders No. 2 to No. 3:	Change Orders No.0 to No. 1			
	Substantial Completion: February 15, 2024			
\$ 101,450.75	Ready for final payment: February 28, 2024			
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:			
	Substantial Completion: February 15, 2024			
\$ _117,075.00	Ready for final payment: February 28, 2024			

EJCDC<sup>®</sup> C-941, Change Order.

Copyright<sup>©</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved.

Page 1 of 2

[Increase] [Decrease] this Change Order:	[Increase] [Decrease] this Change Order:			
	Substantial Completion: February 15, 2024			
\$ 101,450.75	Ready for final payment: February 28, 2024			
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:			
	Substantial Completion: February 15, 2024			
\$	Ready for final payment: February 28, 2024			

By:	Recommended by Engineer (IF required)	/ Authorized by Owner
Title:	Senior Project Manager	Project Manager
Date:	1-19-2024	1-23-202
	Authorized by Contractor	Approved by Funding Agency (if applicable)
By:	<u>A</u>	
Title:	Manger	
Date:	1-22-2024	

EJCDC® C-941, Change Order. Copyright® 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 2 of 2

GBWC\_2024 Rate Case\_Vol. 5, Page 218 of 389

1240 L State St Ste 101 Pahrump, Nevada 89048

Phone (775) 751-1413 Fax. (775) 751-3584

### **Professional Services Agreement**

Job #\_\_\_\_

THIS AGREEMENT made and entered into this 3rd day of September 2024 by and between, Great Basin Water Co., hereinafter referred to as "CLIENT", and CIVILWISE SERVICES INC., hereinafter referred to as "CIVILWISE".

Pahrump Nevada APN: 038-321-19 & 20 Address: 971 & 961 S. Delaware Street Calvada Valley U.6, Block 11, Lot 44 & 45

**SCOPE OF WORK:** 

**PROJECT LOCATION:** 

**PROJECT PROFESSIONALS:** 

Surveyor:

David A. Richards, PLS, Nevada License 10026

LOT STAKE

MW

PAYMENT FOR SERVICES: COST \$1,400.00 due upon acceptance of contract.

CHANGES OF SCOPE: CLIENT may order changes in the scope of work either decreasing or increasing the amount, and if necessary, changing the character of CIVILWISE's services. In the event that such changes are ordered, CIVILWISE is entitled to full compensation for all services or specific obligations performed on the Project. In the event that additional services not anticipated or delineated in the Scope of Work above are needed for completion of the project, CIVILWISE shall inform CLIENT of the scope and cost for providing such additional services and shall proceed only after receiving written authorization from CLIENT. Upon CIVILWISE's receipt of such authorization, CLIENT agrees that the additional services are subject to all of the terms of this agreement

SUBMITTAL DATES AND TIME OF COMPLETION: Work by CIVILWISE will be performed in a timely manner consistent with good professional practice and the desire that the Project proceeds as expeditiously as practical; and CIVILWISE will use its best efforts to meet any reasonable or mutually agreed upon schedule, which schedule shall be adjusted only for reasonable cause or by mutual consent. CIVILWISE shall not be held responsible for delays or redesign caused by unforeseen changes or inconsistencies in the review process by any reviewing authority. CLIENT understands that CLIENT must provide all information, documents, and other items pertinent to this project and necessary for the fulfillment of CIVILWISE's duties in a timely manner as to not delay the project.

USE OF DRAWINGS AND DATA: CLIENT agrees not to use or permit any other person to use drawings, data, or other work products prepared by CIVILWISE, which are not final, and which are not signed and sealed by the Registered Professional representing CIVILWISE. CLIENT agrees to be liable and responsible for any such use of non-final work products and waives liability against CIVILWISE for their use. CLIENT further agrees that all such work products, final or not final, are for the exclusive use of CLIENT and may be used by CLIENT only for the Project described on the face hereof. All such work products may not be changed nor altered in any way or used for any other purpose than what was originally intended for in this project without the written authorization or approval by CIVILWISE.

LAND SURVEYING • CONSTRUCTION STAKING • SUBDIVISION • TOPOGRAPHY • GLOBAL POSITIONING (GPS) • WATER RIGHTS



\$ 1,400.00

### (A) (A) *CIVILINISE SERVICES LLC*

### Page 2 of 2

**DISPUTES:** In the event that CLIENT institutes a suit against CIVILWISE, for alleged negligence, error, omission, or other failure to perform, and if CLIENT fails to obtain a judgment in CLIENT's favor, the lawsuit is dismissed; or if judgment is rendered for CIVILWISE, CLIENT agrees to pay CIVILWISE all costs of defense. CLIENT agrees such payment shall be made immediately following dismissal of the case or upon entry of judgment. If any action at law or equity, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Agreement, the prevailing party shall be entitled to reasonable attorneys' fees, which fees may be set by the court in the same action or in a separate action brought for that purpose, in addition to any other relief to which he may be entitled.

**TERMINATION:** This Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. This Agreement becomes null and void if not executed by December 3<sup>rd</sup>, 2024. Any previously discussed or agreed upon time schedules or timelines will be adjusted accordingly.

In the event that account inactivity exceeds 60 calendar days, this Agreement shall become null and void. The account shall be final billed based on work completed and subsequently closed. Should the Client desire to commence work, this shall be negotiated, and a new contract executed between the two parties.

STANDARD CONDITIONS: This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of CLIENT and CIVILWISE. This Agreement shall not be assigned by either CLIENT or CIVILWISE without the prior written consent of the other. CIVILWISE'S waiver of any term, condition, or covenant, or breach of any term, condition, or covenant, shall not constitute the waiver of any other term, condition, or covenant or the breach of any other term, condition, or covenant. If any term, condition, or covenant of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of the Agreement shall be valid and binding on CLIENT and CIVILWISE. This Agreement shall be governed by and construed in accordance with the laws of the State of Nevada.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this Agreement upon the terms, conditions, and provisions above stated, the day and year first above written.

CIVILWISE SERVICES, INC.

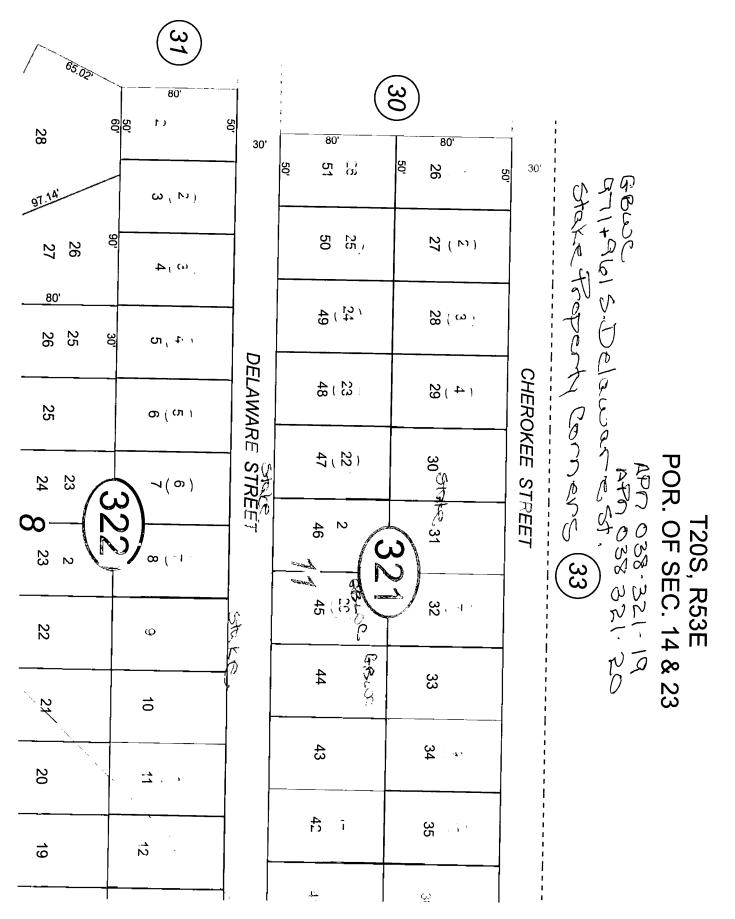
kalandunt Signature:

David A. Richards, President

CLIENT: Great Basin Water Co. Mark Discourse Basin Water Co. Signature: Windholz Park 100 (2019) 1010-1010 Signature: Windholz

Name/Title: Mark Windholz, Project Manager

LAND SURVEYING • CONSTRUCTION STAKING • SUBDIVISION • TOPOGRAPHY • GLOBAL POSITIONING (GPS) • WATER RIGHTS



GBWC\_2024 Rate Case\_Vol. 5, Page 221 of 389

### **Great Basin Drilling**

1220 E. Manse Pahrump, NV 89048 office@greatbasindrilling.com www.greatbasindrilling.com



G2023-007

02/14/2023

### Proposal

GREAT BASIN WATER CO.-PAHRUMP ATTENTION:ACCOUNTS PAYABLE 2335 SANDERS ROAD IL. NORTHBROOK, IL 60062

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	LABOR	Pull well 10	120	6.00	720.00
	LABOR	Video log well	1	1,000.00	1,000.00
	LABOR	Set well 10	1	0.00	0.00
	MOB & DEMOB	Labor and Rig fees	1	500.00	500.00

\$2,220.00

Please procedd

2-21-2023



Carson City Fallon Lake Tahoe Reno **Reno** 9222 Prototype Drive Reno, Nevada 775.827.6111

December 02, 2019

PN: LA19.925

Great Basin Water Co. – Pahrump Division Attn: Bill Coates; Regional Manager 1240 E. State Street, Suite 115 Pahrump, NV 89048

## Subject: Great Basin Water Co. – Pahrump Division, Well-10 Drinking Water Compliant Cost Estimate

Dear Mr. Coates,

Lumos & Associates Inc. (Lumos) is pleased to present this proposal to assist Great Basin Water Co. – Pahrump Division (GBWC-PD) with developing a cost estimate for your Well-10 to bring it into compliance as a drinking water municipal well source.

### **PROJECT UNDERSTANDING**

Well-10 in the Pahrump Basin is believed to go back to a period in the 1920's when it was part of an irrigation flowing artesian water system. When Central Nevada Utility Company (known today as Great Basin Water Co.-Pahrump Division) took over Well-10, it was just used to irrigate on the Champion Golf Course. The Champion Golf Course became the Willow Creek Golf Course, which shut down and is now the Discovery Park. When the golf course shut down and stopped using water from Well-10, the well had to be capped because it began to artesian again. No Well Driller Report exist for Well-10. Great Basin Water Company-PD (GBWC-PD) is requesting a proposal from Lumos to conduct an assessment of Well-10 to see what it would cost to get it certified as a drinking water source with the Bureau of Safe Drinking Water. The following scope of work is to conduct an investigation of the well and put together a cost estimate for GBWC-PD.

### **SCOPE OF WORK**

The scope of work is to assist GBWC-PD with the investigation and cost estimate to convert Well-10 into a compliant drinking water source.

### Task 1: Data Assessment, Meetings and Conference Calls (Time & Materials Basis).

Lumos has setup Task 1 to handle all data assessment, meetings, conference calls, project over-sight, etc. that is requested by GBWC –PD regarding the investigation of Well-10. All time will be billed on a time and material basis for time requested by the client.

### Task 2: Cost Estimate

Following a thorough investigation of Well-10, Lumos will develop a scope of work and cost estimate to bring the well into compliance as a drinking water source with the Bureau of Safe Drinking Water.

### ASSUMPTIONS

Lumos has made the following assumptions associated with this scope of work. If any of these assumptions are not true, Lumos reserves the right to submit an addendum to GBWC-PD for the additional scope of work associated with this very important project.

- No site visit will be required for this scope of work.
- Lumos will work with the client and receive the necessary data for assessment.
- Lumos is not planning to acquire any permits that might be required by Nye County or NDEP for the project.
- All requested revisions to the final scope of work and cost estimate will be billed on a T&M basis under Task-1.
- This scope of work will require GBWC-PD to contract with a pump company to conduct specific investigations on Well-10 including, but not limited to pulling the pumping system and downhole video survey(s).

### FEE SCHEDULE

Lumos is proposing the following Time and Material (T&M) fees for completing Task 1 and fixed fee for Task 2.

Task-1: Assessment, Meetings, Conference Calls, Etc. (T&M)	\$7,500
Task-2: Cost Estimate	\$2,000

### **Total Cost:**

### **PROJECT SCHEDULE:**

This proposal shall remain in effect for a period of 60-days. The attached Standard Provisions and contract are incorporated as part of this proposal. Lumos is prepared to commence work on this project immediately after acceptance of a signed contract authorizing Lumos to proceed. The completion of this assessment will be partially controlled via the contractor schedule and finding. Should you have any questions, please do not hesitate to contact me at (775) 827-6111.

Michael Hardy, P.E., P.G./ Senior Project Manager

une

Tim Russell, P.E. *V* Engineering Division; Group Manager

\$9,500

### AGREEMENT To Engage the Services of LUMOS & ASSOCIATES, INC.

THIS AGREEMENT, entered into on the 02 day of December 20 19 , by and
by and between Great Basin Water Co Pahrump Division
whose mailing address is 1240 East State Street; Suite 115, Pahrump, NV 89048
hereinafter called "CLIENT," and LUMOS & ASSOCIATES, INC., hereinafter called "CONSULTANT," is as follows:
CLIENT intends to pursue work on Mountain View Estate Well Assessment (Project Name
hereinafter called the "PROJECT" and whose location is Pahrump, Nevada
THE CLIENT/contact person for this project isTim Scheidt
Phone (775) 340-1021 Email Tim.Scheidt@greatbasinwaterco.com
CLIENT and CONSULTANT, for mutual consideration hereinafter set forth, agree as follows:
A. CONSULTANT agrees to perform certain consulting, design, advisory, surveying, and/or testing services for CLIENT as follows: See proposal LA19.925 dated December 02, 2019
B. CLIENT agrees to pay CONSULTANT as compensation for his/her services as follows: See proposal LA19.925 dated December 02, 2019
This Agreement does not include any agency fees advanced on the CLIENT's behalf. All fees advanced for this project will be assessed a 15% handling fee in accordance with company policy. Should CLIENT wish to avoid the 15% charge, all agency and outside fees will be required 24 hours prior to submittal deadline.
C. CLIENT agrees to provide the following to CONSULTANT to aid in his/her work: See proposal LA19.925 dated December 02, 2019
D. CONSULTANT will begin work on or about December 20 19 ; and have sai
work completed See proposal LA19.925 dated December 02, 2019
CONSULTANT contact for this project is Michael Hardy Phone (775) 827-6111
The attached Standard Provisions of Agreement are incorporated hereinto and made a part of this Agreement. In the

The attached Standard Provisions of Agreement are incorporated hereinto and made a part of this Agreement. In the event of any conflicts or inconsistencies between the terms contained in Exhibit "A" and those contained in the Standard Provisions of Agreement, the terms of the Standard Provisions of Agreement shall govern and control.

All notices, requests, demands, and other communications required under this Agreement shall be in writing and shall be deemed duly given and received: (i) if personally delivered, on the date of delivery; (ii) if mailed, three (3) days after deposit in the United States Mail, registered or certified, return receipt requested, postage prepaid; and/or (iii) if by a courier delivery service providing overnight or "next-day" delivery, on the next business day after deposit with such service. All written communications shall be addressed to CONSULTANT at 9222 Prototype Drive, Reno, NV 89521, or to CLIENT at the address written above.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this Agreement upon the terms, conditions, and provisions written above and incorporated herein as set forth in the attached, on the date first written above.

CONSUL	_TANT:	CLIENT:	
PRINT	Tim Russell, P.E.	PRINT	JAMES T. EASON
SIGN -	Limit Vanel	SIGN	Sames Mason
TITLE	Engineering Group Manager	TITLE	1. P. ODETATEUN
DATE	12/3/19	DATE	12/4/19

Page 1 of 5

Effective Feb. 2018

GBWC\_2024 Rate Case\_Vol. 5, Page 225 of 389

### STANDARD PROVISIONS OF AGREEMENT

### 1. AGREEMENT

These Standard Provisions of Agreement are deemed part of the attached Agreement. As used herein, the term "Agreement" will mean the attached Agreement, the Proposal attached thereto as Exhibit "A," these Standard Provisions of Agreement, and any other exhibits attached hereto and specifically incorporated herein. Consultant shall provide for the Client the scope of services described in the referenced Proposal, and all services not specifically described therein are excluded from Consultant's scope of services.

### 2. BILLING AND PAYMENT

Fees and other charges shall be billed monthly as the work progresses and shall be due and payable at the time of billing. Ten (10) days are allowed for processing payment, and any unpaid balance remaining twenty (20) days after the date of the original invoice shall be considered past due. Any unpaid balance remaining thirty (30) days after the date of the original invoice shall be considered Critically Past Due. Consultant reserves the right to suspend services on accounts with outstanding balances that are Critically Past Due. Consultant shall have no liability whatsoever to the Client for any costs or damages as a result of such suspension. Upon payment in full by the Client, Consultant shall resume services under this Agreement, and the time schedule and compensation shall be equitably adjusted to compensate for the period of suspension. In the event Client fails to pay Consultant within forty-five (45) days or more after invoices are rendered, Client agrees that Consultant shall have the right in its sole discretion to consider said default a material breach of the Agreement and the duties of Consultant under this Agreement terminated, without requiring the seven (7) days written advance notice otherwise required for termination pursuant to Section hereof.

Any payment not received within thirty (30) days of date of the original invoice shall accrue interest at the rate of eighteen percent (18%) per annum.

Client hereby agrees that the balance as stated on any invoice from Consultant to Client is correct and is acceptable to Client unless, within ten (10) days from the date of the original invoice, Client notifies Consultant in writing of the particular item that is alleged to be in error or is otherwise in dispute.

Client shall pay the costs for checking and inspection fees, zoning and annexation applications fees, assessment fees, soils engineering fees, soils testing fees, aerial topography fees, and all other fees, permits, bond premiums, title company charges, blueprints and reproductions, and all other charges not specifically covered by the terms of this Agreement.

For projects that extend for more than one (1) year from the date of the Agreement, Consultant shall be entitled to an increase in fees in proportion to the increase in the Consumer Price Index over the preceding year, for the duration of the Agreement.

### 3. TERMINATION

This Agreement may be terminated by either party upon seven (7) days advance written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party.

In the event all or any portion of the services performed or partially performed by Consultant be suspended, abandoned, or terminated, Client shall pay Consultant for all fees, charges and services provided up to the date of termination. In return, Consultant shall provide Client with copies of all drawings, specifications and reports prepared or partially prepared up to the date of termination, at Client's expense and for use solely with respect to the Project. Payment in full up to the date of termination shall be a condition precedent to Consultant's providing copies of all drawings, specifications and reports, regardless of the pendency of any dispute.

### 4. ADDITIONAL SERVICES

Client may request that Consultant provide services beyond those set forth in Consultant's Proposal ("Additional Services"). The scope of such Additional Services and the compensation therefore shall be as mutually agreed upon in writing by Client and Consultant prior to commencement of such Additional Services.

The Consultant shall comply with applicable laws, codes and regulations in effect as of the date it provides its services pursuant to the standard of care in the industry. Changes to Consultant's services made necessary by newly enacted laws, codes and regulations after such date shall entitle the Consultant to a reasonable adjustment in the schedule and additional compensation in accordance with this Additional Services provision. In addition, the Consultant shall be entitled to rely reasonably on interpretations and approvals given by government officials with responsibility for enforcing such laws, codes, and regulations and shall not be responsible for changes made by such officials to interpretations or approvals previously given.

CLIENT INITIALS

Page 2 of 5

Effective Feb. 2018

GBWC\_2024 Rate Case\_Vol. 5, Page 226 of 389

### 5. STANDARD OF CARE

Consultant shall perform its services in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant's profession currently practicing in the same locality under similar circumstances and with reasonable diligence and expediency consistent with sound professional practices ("Standard of Care"). Nothing contained herein shall be construed to constitute a guarantee, warranty or assurance, either express or implied of the services to be provided herein.

### 6. COST ESTIMATES

Consultant makes no representation concerning estimates of construction costs other than that these are estimates only and Consultant shall not be responsible for fluctuations in cost factors. Any such estimates prepared or agreed to by Consultant represent the Consultant's judgment as a design professional. It is recognized that neither the Consultant nor the Client has control over the cost of labor, materials or equipment; the contractor's methods of determining bid prices; or competitive bidding, market or negotiating conditions. Accordingly, the Consultant cannot and does not warrant or represent that bids or negotiated prices will not vary from the Client's budget or from any estimate of construction cost prepared or agreed to by the Consultant.

### 7. LIMITATIONS ON RESPONSIBILITIES

Consultant shall not be responsible for the acts or omissions of the Client, Client's other consultants, contractors, subcontractors, their agents or employees, or other persons providing work or services on the Project. Consultant does not guarantee the completion or quality of performance of work performed by the construction contractor(s) or other third parties. Site safety is the sole responsibility of the contractor. Consultant shall neither have control over nor be in charge of, nor be responsible for the construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with work for the Project.

Unless retained to perform a geotechnical investigation, Consultant makes no representations concerning soil conditions and Consultant is not responsible for any liability that may arise out of the making or failure to make soils surveys, or subsurface soil tests, or general soil testing.

Unless specifically included in the Proposal's scope of services, Consultant is neither responsible for notifying Client of any expiration or renewal dates for permits and/or approvals of any type or description, nor for renewing or requesting a renewal from any agency, municipality, or authority of any permits and/or approvals that may be due to expire.

### 8. OWNERSHIP OF DOCUMENTS

Drawings, details, specifications, reports, and other documents prepared by Consultant, including those in electronic form, are instruments of service for use solely with respect to this Project. Consultant shall be deemed the author and owner of the Consultant's instruments of service and shall retain all common law, statutory and other reserved rights, including copyrights. Upon execution of this Agreement Consultant grants to Client a nonexclusive license to reproduce the Consultant's Instruments of Service solely for purposes of the Project, provided the Client shall comply with all obligations, including prompt payment of all sums when due, under this Agreement. Client shall not use the instruments of service for future additions or alterations to this Project or for other projects without Consultant's prior written consent. Any unauthorized use, reuse or modifications of the instruments of service shall be at the Client's sole risk and without liability to Consultant, and Client agrees to defend, indemnify and hold harmless Consultant from all claims and damages arising out of or purported to arise out of the use, reuse, or modification of the Instruments of Service.

### 9. INDEMNIFICATION

Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless Consultant from and against any claims, damages, liabilities, suits, demands, losses, expenses or costs (including reasonable attorneys' fees and costs of defense) ("Claims"), to the extent caused by Client's negligent acts, errors, or omissions and those of its contractors, subcontractors or consultants or anyone for whom Client is legally liable, except for claims or litigation arising through the sole negligence or willful misconduct of Consultant..

Consultant agrees, to the fullest extent permitted by law, to indemnify and hold harmless Client from and against any claims, damages, liabilities, suits, demands, losses, expenses to the extent they are determined to have been caused by the negligent acts, errors or omissions of Consultant or anyone for whom Consultant is legally liable, to the extent consistent with the Limitation of Liability provision herein. Consultant shall not have an obligation to indemnify and hold harmless Client for claims or litigation arising through the sole negligence or willful misconduct of Client or anyone for whom Client is legally liable.

Neither party shall have an upfront duty to defend the other but shall reimburse reasonably incurred defense fees and costs (for fees and costs actually incurred in defending claims attributable to the other party's fault) to the extent of its indemnity obligation herein. Neither the Client nor the Consultant shall be obligated to indemnify the other party in any manner whatsoever for the other party's own negligence.



Page 3 of 5

Effective Feb. 2018

GBWC\_2024 Rate Case\_Vol. 5, Page 227 of 389

### 10. RIGHT OF ENTRY

Client shall secure the permission necessary to allow Consultant's personnel and equipment access to the project site and any adjacent properties necessary to perform the services at no cost to Consultant. While Consultant will take all reasonable precautions to minimize any damages to the property, it is understood by the Client that in the normal course of field work some damage may occur, the correction of which is not part of this Agreement.

### 11. SAMPLES

Samples obtained for materials testing will be discarded upon completion of testing, and portions of samples not tested or unused shall be preserved for not longer than thirty (30) days.

### 12. GOVERNING LAW; DISPUTES

This Agreement shall be governed by the laws of the state, in which the Project is located, and all dispute resolution proceedings shall be venued in the county and state in which the services are rendered unless the parties mutually agree otherwise in writing.

The parties agree to first endeavor in good faith to resolve any dispute arising out of or related to this Agreement by mediation pursuant to the Construction Industry Mediation Rules of the American Arbitration Association or JAMS. Mediation shall be a condition precedent to the instigation of any legal proceedings. If the claim or controversy is not resolved by mediation, the claim or controversy may be resolved by final and binding arbitration, if the parties so mutually agree in writing prior to the commencement of any arbitration proceeding. Absent express mutual consent to arbitrate, all disputes shall be litigated in a court of competent jurisdiction in the state in which the Project is located.

### 13. NO THIRD PARTY BENEFICIARIES

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the Consultant.

### 14. WAIVER OF CONSEQUENTIAL DAMAGES

Notwithstanding any other provision in this Agreement, and to the fullest extent permitted by law, neither the Consultant nor the Client shall be liable to the other for, or shall make, any claim for any incidental, indirect or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, damage to reputation or any other consequential damages either party may have incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict or implied warranty.

### 15. FORCE MAJEURE

Client and Consultant are aware that many factors outside the Consultant's control may affect the Consultant's ability to complete the services to be provided under this Agreement. Client agrees that Consultant is not responsible for damages arising directly or indirectly from any delays for causes beyond Consultant's control. For purposes of this Agreement, such causes include, but are not limited to, strikes or other labor disputes; severe weather disruptions or other natural disasters; fires, riots, war or other emergencies or acts of God; failure of any government agency to act in a timely manner; failure of performance by Client or Client's contractors or consultants; or discovery of any hazardous substances or differing site conditions.

### 16. SOLE CORPORATE REMEDY

It is intended by the parties to this Agreement that the Client's obligations and Consultant's services in connection with the Project shall not subject the Client's or Consultant's individual shareholders, officers, directors, members, managers or employees to any personal legal exposure for the risks associated with this Project. Therefore, and notwithstanding anything to the contrary contained herein, the parties agree that as their sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against the business entities that are the parties to this Agreement and not against any of the parties' individual shareholders, officers, directors, members, managers or employees, except for acts of willful misconduct or as otherwise prohibited by law.

### 17. HAZARDOUS MATERIALS

The Consultant shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous materials or toxic substances in any form at the Project site. In the event the Consultant or any other party encounters any



Page 4 of 5

Effective Feb. 2018

GBWC\_2024 Rate Case\_Vol. 5, Page 228 of 389

hazardous materials, or should it become known to the Consultant that such materials may be present on or about the jobsite or any adjacent areas that may affect the performance of the Consultant's services, the Consultant may, at its option and without liability for consequential or any other damages, suspend performance of its services under this Agreement until the Client retains appropriate consultants or contractors to identify and abate or remove the hazardous or toxic materials and warrants that the jobsite is in full compliance with all applicable laws and regulations. Consultant shall not be responsible for locating or abating any hazardous materials.

### 18. LIMITATION OF LIABILITY

In recognition of the relative risks and benefits of the Project to both the Client and the Consultant relating to Consultant's provision of services in accordance with this Agreement, the risks have been allocated such that the Client agrees that Consultant's total liability to Client for any and all injuries, claims, losses, expenses or damages whatsoever (including attorneys' fees and costs and expert witness fees and costs) arising out of or in any way related to the services provided for the Project and/or under this Agreement, regardless of theories of liability or causes of action asserted (unless otherwise prohibited by law) including, but not limited to, allegations of Consultant's negligence, errors, omissions, strict liability, breach of contract or breach of warranty, shall not exceed the total sum of \$50,000 or the total amount of fees paid to Consultant under this Agreement, whichever is less. In no event shall Consultant's liability exceed the sum of Consultant's available professional liability insurance coverage at the time of settlement or judgment. Client and Consultant hereby acknowledge that this provision was expressly negotiated and agreed upon.

### 19. MISCELLANEOUS

(a) Client and Consultant each respectively bind themselves, their partners, successors, executors, administrators, and assigns to the Agreement.

(b) Client agrees to cooperate fully with Consultant on the Project and to provide any and all information and/or documents reasonably necessary for Consultant to perform the agreed scope of services as detailed in the Agreement, and Consultant shall be entitled to rely upon the accuracy and completeness thereof.

(c) Neither Client nor Consultant shall assign its interest in the Agreement without the prior express written consent of the other.

(d) It is expressly understood that Consultant is an independent contractor and in no event will the Consultant, its agents, employees, representatives, or servants, be considered as the agent, employee, representative or servant of Client. Nothing contained in this Agreement or any action by Consultant shall be construed to impose a fiduciary duty on Consultant or create a fiduciary relationship between Consultant and Client or between Consultant and any third party.

(e) If any provision of this Agreement is invalid or unenforceable, such provision shall (i) be modified to the minimum extent necessary to render it valid and enforceable, or (ii) if it cannot be so modified, be deemed not to be a part of this Agreement and shall not affect the validity or enforceability of the remaining provisions.

(f) Waiver of any provision of this Agreement by either party shall not be deemed to constitute a waiver of any other provision of this Agreement, nor shall such waiver constitute a continuing waiver.

(g) This Agreement, and the attachments hereto, shall constitute the entire understanding between the parties, and no modification shall be binding unless in writing and signed by the parties.

### 20. RETAINER



Page 5 of 5

Effective Feb. 2018

GBWC\_2024 Rate Case\_Vol. 5, Page 229 of 389

### CHANGE ORDER NO.: 4

Owner: Great Basin Water Co. Engineer: Lumos & Associates Contractor: Budget Drilling Project: Well 10 Over Drill & Rehabilitation Contract Name: Well 10 Over Drill & Rehabilitation Date Issued: July 10, 2024 Owner's Project No.: 2021163 Engineer's Project No.: Contractor's Project No.:

Effective Date of Change Order: July 10, 2024

The Contract is modified as follows upon execution of this Change Order:

Description: Contractor to perform additional work due to discovery of the well being deeper that previously expected. The well was thought to be 350ft bgl, when cleaning bottom of well, the contractor discovered that a bridge had developed, the well turned out to be 500ft bgl. Contractor installed additional stainless steel screens, plugged the bottom of well with neat cement, installed temporary pumping equipment to collect additional sampling, performed step and constant pump testing.

Attachments:

#### See change order quote below.

Change in Contract Price	Change in Contract Times 180 Days			
Original Contract Price:	Original Contract Times:			
	Substantial Completion: July 20, 2024			
93,075.00	Ready for final payment: July 28, 2024			
[Increase] [Decrease] from previously approved	[Increase] [Decrease] from previously approved			
Change Orders No. 3 to No. 4:	Change Orders No.0 to No. 1			
	Substantial Completion: July 20, 2024			
\$ _86,485.00	Ready for final payment: July 28, 2024			
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:			
	Substantial Completion: July 20, 2024			
\$	Ready for final payment: July 28, 2024			
[Increase] [Decrease] this Change Order:	[Increase] [Decrease] this Change Order:			
	Substantial Completion: July 20, 2024			
\$ 86,485.00	Ready for final payment: July 28, 2024			
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:			
	Substantial Completion: July 20, 2024			
\$ _305,010.75	Ready for final payment: July 28, 2024			

EJCDC® C-941, Change Order. Copyright® 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 1 of 2

GBWC\_2024 Rate Case\_Vol. 5, Page 230 of 389

D	Recommented by Engineer (if required)	Authorized by Owner
By:	en and a star of star and a star of	
Title:	Senior Project Manager	Project Manager
Date:	July 15, 2024	July 17, 2024
	Authorized by Contractor	Approved by Funding Agency (if applicable)
Ву:	Sam Kobuspin	
Title:	Quer	
Date:	7-17-24	· · ·

EJCDC® C-941, Change Order. Copyright 2018 National Society of Professional Engineers, American Council of Engineering Companies and American Society of Civil Engineers. All rights reserved. Page 2 of 2

### GBWC\_2024 Rate Case\_Vol. 5, Page 231 of 389

# Budget Drilling

 1170 Darcy Lane,

 Pahrump NV 89060

 NCL#00702900
 Bid Limit \$500,000

F Great Ba Water C Pahrump `vis n 1240 E State Street Pahrump NV 89048 Invoice

 Date.
 July 1 2024

 Invoice #:
 10-01102024.2

 ustom r ID:
 GBWC

 GBWC WE L 10 Overdnill

 $(x,z) \in \mathbb{R}$ 

TRACT Number

Project GBWC Well 10 overdrill

item	Unit	Description	% ⊜n⊤iplete	Quantity	.⊁∩ ount	Line Total
1	LS	Mobilization/demobilization of equipment	100	1	\$ 13 000.00	\$ 13,000.00
2	LS	Fence Removal and replacement 50% complete (\$3,200.00 completed total)	50	1	\$ 1,600.00	\$ 1,600.00
3	LS	Conductor casing, 30-in casing 15 feet in length	100	1	\$ 3,800 00	\$ 3 a:0.00
4	LS	Over Drilling of existing casing and installation of sanitary seal 50% payment for material assocaited with over drilling, Labor excluded until approval BSDW	5.	1	\$ 61,900.00	\$ 30,950.00
5	LS	Geophysical logging of borehole Cement Bond Log (CBL) NOT RUN, DELETED	deleted	1	\$ 8,800.00	deleted
Change	e Orde	er #1				
CO1-1	LS	Well video	100	1	\$ 1,500.00	\$ 1,500.00
CO1-2	LS	Gyro and caliper survey conducted in cased well	100	1	\$ 5,500.00	\$ 5,500.00
Change	e Orde	er #2				
CO2-1	FŤ	20-in Conductor Casing over-drill assembly	100	60	\$ 80.00	\$ 4,800.00
CO2-2	ËA	10.5 x 10.5 reinforced concrete pad per BSDW submittal by Lumos	100	1	\$ 12,700.00	\$ 12,700.00
Change	e Orde	er #3				
CO3-1	FT	10.75" x .25" Wall ASTM A778 SST 304L Blank Casing with	100	182	\$ 245.00	\$ 44,590.00
CO3-2	FT	10.75" x. 25" Wall ASTM A778 SST 304L Ful Flo Louvered Screen, 0.100" slot, 20 ft lengths with beveled ends, NSF61 Certified	100	150	\$ 315.00	\$ 47,250.00
CO3-3	FT	TAILPIPE 5 FEET with hemi head attached 10.75" x 25" Wall ASTM A778 SST 304L Blank Casing with beveled ends, NSF61 Certified	100	5	\$ 245.00	\$ 1,225.00
CO3-4	EA	10.75" SST 304L Bottom Plate with SE head (bullnose) ATTACHED to tailpipe	100	1	\$ 785.75	\$ 785.75
CO3-5	LS	Freight for shipping 10.75" NSF61 liner materials to jobsite	100	1	\$ 3.000.00	\$ 3,000.00
CO3-6	HR	Labor to install 10.75" liner total cost \$4,600.00 not yet paid as not completed, pending acceptance of NOI by NDWR.	0	8	\$ 575.00	\$-
PROPOS	ED C	HANGE ORDER #4			-	
CO4-1	LS	Mobilize Bucyrus Erie Super60 and support equipment to clean out fill		1	\$ 1,500.00	\$ 1,500.00
CO4-2	FT	Clean out fill from 343 to 520 feet		177	\$ 55 00	\$ 9,735.00
CO4-3	FT	Plug bottom of well from 493 to 520 feet		27	\$ 50.00	\$ 1 350.00
CO4-4	FT	Provide additional 10.75" x .25" Wall ASTM A778 SST 304L Screen with beveled ends, NSF61 Certified		140	\$ 315.00	\$ 44 100 00
CO4-5	LS	Shipping and sales tax to purchase 10.75" x .25" Wall ASTM A778 SST 304L Blank Casing with beveled ends, NSF61 Certified		1	\$ 3,200 00	\$ 3 200.00
CO4-6	HR	Installation 10.75" x .25" Wall ASTM A778 SST 304L Blank Casing with beveled ends, NSF61 Certified		12	\$ 575.00	\$ 6,900.00
CO4-7	LS	Provide temporary pumping equipment for sample collections		1	\$ 2,500.00	\$ 2,500.00
CO4-8	LS	Chlorination of well for sample collection		1	\$ 1,200.00	\$ 1,200.00
CO4-9	LS	Mobilize equipment for installation and removal of test pump equipment, Genset mobilization and set up		1	\$ 4,000.00	\$ 4,000.00
CO4-10	HR	Perform Step-drawdown and Constant rate testing		20	\$ 525.00	\$ 10,500.00
CO4-11	LS	Well video final casing inspection video		1	\$ 1,500.00	\$ 1,500.00
/		The design of the second se				\$ 86,485.00

Make all checks payable to **Budget Drilling** Thank you for your business!

, NV 89060 702 306-2138 Rob

### CONTRACT FOR CONSTRUCTION OF A SMALL PROJECT

This Contract is by and between Great Basin Water Company – (Owner) and Budget Drilling (Contractor), **Owner and Contractor hereby agree as follows:** 

### **ARTICLE 1—THE WORK**

- 1.01 Work
  - A. Work includes all labor, materials, equipment, services, and documentation necessary to construct the Project defined herein. The Work may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.
  - B. The Contractor shall complete all Work as specified or indicated in the Contract Documents. The Project is generally described as follows:
    - The intent of this project is for Budget Drilling (Contractor) to over drill the existing Well 10 and install a sanitary seal around the existing casing. Contractor shall over drill the well with a minimum thickness of 2-inches in the annulus space for the existing well. The sanitary seal must consist of neat cement, cement grout or concrete grout of not less than 50 feet below the surface of the ground level. It must be constructed from the bottom to top. The sanitary seal must begin not more than 5 feet below the ground and be continuous and extend at least 50 feet. The placement of the sanitary seal will be pumped through a tremmie pipe with positive displacement. The sanitary seal must conform to NAC 534.380 and NAC 445A.66905. The sanitary seal shall meet all Nevada Division of Water Resources, and Bureau of Safe Drinking Water regulations for a Municipal Drinking Water Wells. Contractor shall provide all labor and material for a successful installation of a sanitary seal. For verification of successful over drill, the contractor shall have a Cement Bonding Log performed by a licensed well surveying company. Contractor shall not be paid for the over drill if the Cement Bonding Log does not pass and satisfy the Bureau of Safe Drinking Water NAC 445A.66905 regulation.
    - 2. The Site of the Work includes property, easements, and designated work areas described in greater detail in the Contract Documents but generally located at 971 S. Delaware St. Pahrump NV.

### **ARTICLE 2—CONTRACT DOCUMENTS**

- 2.01 Intent of Contract Documents
  - A. It is the intent of the Contract Documents to describe a functionally complete Project. The Contract Documents do not indicate or describe all of the Work required to complete the Project. Additional details required for the correct installation of selected products are to be provided by the Contractor and coordinated with Owner and Engineer. This Contract constitutes the entire agreement between Owner and Contractor, and supersedes prior negotiations, representations, and agreements, whether written or oral. The Contract Documents are complementary; what is required by one part of the Contract Documents is as binding as if required by other parts of the Contract Documents.

- B. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work under the Contract Documents. During the performance of the Work and until final payment, Contractor and Owner shall submit to Engineer all matters in question concerning the requirements of the Contract Documents, or relating to the acceptability of the Work. Engineer will render a written clarification, interpretation, or decision on the issue submitted, or initiate a modification to the Contract Documents.
- C. Contractor, and its subcontractors and suppliers, shall not have or acquire any title to or ownership rights to any of the Drawings, Specifications, or other documents (including copies or electronic media versions) prepared by Engineer or its consultants.
- D. Contract Price or Contract Times: References to a change in "Contract Price or Contract Times" or "Contract Times or Contract Price" or similar, indicate that such change applies to (1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term "or both" is not expressed.
- E. Nothing in the Contract Documents creates any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity.
- 2.02 Contract Documents Defined
  - A. The Contract Documents consist of the following documents:
    - 1. This Contract for Construction of a Small Project.
    - 2. Exhibits to this Contract (enumerated as follows):
      - a. Well 10 Rehabilitation Scope of Work Specifications and Bid Base Schedule
      - b. Performance Bond (Not Applicable for this project)
      - c. Payment Bond (Not Applicable for this project)
    - 3. The following which may be delivered or issued on or after the Effective Date of the Contract:
      - a. Notice to Award.
      - b. Notice to Proceed.
      - c. Change Orders.

### **ARTICLE 3—ENGINEER**

- 3.01 Engineer
  - A. The Engineer for this Project is Lumos and Associates, Mike Hardy P.E., Senior Project Manager

### ARTICLE 4—CONTRACT TIMES

- 4.01 Contract Times
  - A. The Work will be substantially complete on or before October 1, 2023, and completed and ready for final payment on or before October 15, 2023.
- 4.02 Liquidated Damages
  - A. Contractor and Owner recognize that time is of the essence in the performance of the Contract, and that Owner will incur damages if Contractor does not complete the Work according to the requirements of Paragraph 4.01. Because such damages would be difficult and costly to determine, Owner and Contractor agree that as liquidated damages for delay in completion (but not as a penalty) Contractor shall pay Owner \$500.00 for each day that expires after the Contract Time for substantial completion.
- 4.03 Delays in Contractor's Progress
  - A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times or Contract Price.
  - B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor or its subcontractors or suppliers.
  - C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times.
  - D. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor or Contractor's subcontractors or suppliers.
- 4.04 Progress Schedules
  - A. Contractor shall develop a progress schedule and submit it to Engineer for review and comment before starting Work on the Site. Contractor shall modify the schedule in accordance with Engineer's comments.
  - B. Contractor shall update and submit the progress schedule to Engineer each month. Owner may withhold payment if Contractor fails to submit the schedule.

### **ARTICLE 5-CONTRACT PRICE**

### 5.01 Payment

A. Owner shall pay Contractor, in accordance with the Contract Documents, the lump sum amount of \$126,955.00 for all Work. This is a unit price contract. Over Drill costs shall be paid with a successful installation of a sanitary seal and a passing cement bond log as noted above in Article 1.

Pahrump Well 10 Over Drill Costs			
Mobilization/Demobilization of rotary drill rig, 3-man crew, and support equipment including site restoration (not to exceed 25% of total project cost).	\$13,000.00		
Fence Removal and Replacement (independent of BSDW approval)	\$3,200.00		
Conductor Casing (independent of BSDW approval)	\$3,800.00		
Over Drilling of Existing Well Casing. Payment authorized only with a successful passing of a Cement Bond Log on the sanitary seal.	\$61,900.00		
Placement of sanitary seal between casing and borehole of no less than 60 feet to ground surface. (material cost independent of BSDW approval)	\$2,375.00		
Geophysical Logging of the borehole from a well logging contractor consisting of a Cement Bond Log. (Independent of BSDW approval)	\$8,800.00		
Subtotal Bid	\$93,075.00		
Alternative Task:			
Install Existing Pumping Equipment	\$1,500.00		
Pump Testing	\$12,880.00		
Abandonment of existing Well-10 per NAC534.420 requirements.	\$19,500.00		
Total Bid	\$126,955.00		

EJCDC<sup>+</sup> C-522, Contract for Construction of a Small Project.

Copyright<sup>©</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies,

and American Society of Civil Engineers. All rights reserved.

Page 4 of 20

#### **ARTICLE 6—BONDS AND INSURANCE**

### 6.01 Bonds (Bonds Not applicable for this project)

A. When Contractor delivers the signed counterparts of the Contract to Owner, Contractor shall have obtained, and shall furnish evidence of a contract bond in the full amount of the Owner's payment obligation under this agreement. The form of such bond shall be in a form satisfactory to Owner, name Owner as an obligee and provided by a surety that is duly licensed or authorized in the jurisdiction in which the Project is located.

#### 6.02 Insurance

- A. When Contractor delivers the signed counterparts of the Contract to Owner, Contractor shall also deliver the performance bond and payment bond to Owner. Each bond must be in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract. These bonds must remain in effect until the completion of the correction period specified in Paragraph 7.12 but, in any case, not less than one year after the date when final payment becomes due.
- B. Upon request, Owner will provide a copy of the payment bond to any person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work.
  - 1. Contractor shall provide coverage for not less than the following amounts, or greater where required by Laws and Regulations:

Workers' Compensation	Statutory
Employer's Liability	
Each Accident	\$1,000,000
Each Employee	\$1,000,000
Policy Limit	\$1,000,000

- a. Workers' Compensation and Employer's Liability
- b. Commercial General Liability

General Aggregate	\$2,000,000
Products - Completed Operations Aggregate	\$2,000,000
Personal and Advertising Injury	\$2,000,000
Bodily Injury and Property Damage—Each Occurrence	\$2,000,000

c. Professional Liability

Limit per claim	\$2,000,000

d. Automobile Liability

Combined Single Limit (Bodily Injury and Property Damage) \$2,000,000

e. Excess or Umbrella Liability

Per Occurrence	\$5,000,000
General Aggregate	\$5,000,000

EJCDC® C-522, Contract for Construction of a Small Project.

Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved.

Page 5 of 20

- C. All insurance policies required to be purchased and maintained will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 10 days after notice has been received by the purchasing policyholder. Within three days of receipt of any such notice, the purchasing policyholder shall provide a copy of the notice to each other insured and Engineer.
- D. Automobile liability insurance provided by Contractor will be written on an occurrence basis and provide coverage against claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle.
- E. Contractor's commercial general liability policy will be written on a 1996 or later ISO commercial general liability occurrence form and include the following coverages and endorsements:
  - 1. Products and completed operations coverage maintained for three years after final payment;
  - 2. Blanket contractual liability coverage to the extent permitted by law;
  - 3. Broad form property damage coverage; and
  - Severability of interest; underground, explosion, and collapse coverage; personal injury coverage.
- F. The Contractor's commercial general liability and automobile liability, umbrella or excess, and pollution liability policies will include and list Owner and Engineer and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each as additional insureds; and the insurance afforded to these additional insureds will provide primary coverage for all claims covered thereby (including, as applicable, those arising from both ongoing and completed operations) on a non-contributory basis.
  - Additional insured endorsements will include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.
  - 2. Contractor shall provide ISO Endorsement CG 20 32 07 04, "Additional Insured— Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent for design professional additional insureds.
- G. Umbrella or excess liability insurance will be written over the underlying employer's liability, commercial general liability, and automobile liability insurance. The coverage afforded must be at least as broad as that of each and every one of the underlying policies. Contractor may meet the policy limits specified for employer's liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policy's policy limits and partial attribution of the policy limits of an umbrella or excess liability policy that is at least as broad in coverage as that of the underlying policy.
- H. The Contractor shall provide property insurance covering physical loss or damage during construction to structures, materials, fixtures, and equipment, including those materials, fixtures, or equipment in storage or transit.

EJCDC<sup>®</sup> C-522, Contract for Construction of a Small Project. Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 6 of 20 I. If Contractor has failed to obtain and maintain required insurance, Owner may exclude the Contractor from the Site, impose an appropriate set-off against payment, and exercise Owner's termination rights under Article 15.

### **ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES**

- 7.01 Contractor's Means and Methods of Construction
  - A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
  - B. If professional engineering or other design services are needed to carry out Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly licensed design professional, at Contractor's expense. Neither Owner nor Engineer has any responsibility with respect to (1) Contractor's determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.
- 7.02 Supervision and Superintendence
  - A. Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.
  - B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without notice to and approval by the Owner and Engineer except under extraordinary circumstances.
  - C. Contractor shall maintain good discipline and order at the Site.
  - D. Except as otherwise required for the safety or protection of the Work or persons or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday.
- 7.03 Other Work at the Site
  - A. In addition to and apart from the Work of the Contractor, other work may occur at or adjacent to the Site. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.
  - B. Contractor shall notify Owner, the owners of adjacent property, the owners of underground facilities and other utilities (if the identity of such owners is known to Contractor), and other contractors and utility owners performing work at or adjacent to the Site when Contractor knows that prosecution of the Work may affect them; and Contractor shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.

EJCDC® C-522, Contract for Construction of a Small Project. Copyright® 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 7 of 20

### 7.04 Services, Materials, and Equipment

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for everything necessary for the performance, testing, start-up, and completion of the Work.
- B. All materials and equipment incorporated into the Work must be new and of good quality, and be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable supplier, except as otherwise may be provided in the Contract Documents.

### 7.05 Subcontractors and Suppliers

- A. Just as Contractor is responsible for its own acts and omissions, Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor's employees; of suppliers and subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work. The Contractor's retention of a subcontractor or supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.
- 7.06 Licenses, Fees and Permits
  - A. Contractor shall pay all license fees and royalties and assume all costs incident to performing the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others.
  - B. Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy, unless otherwise provided in the Contract Documents.
- 7.07 Laws and Regulations; Taxes
  - A. Contractor shall give all notices required by, and shall comply with, all local, state, and federal laws and regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any laws or regulations.
  - B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to laws or regulations, Contractor shall bear all resulting costs and losses, and to the fullest extent permitted by law Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all such claims, costs, losses, and damages.
  - C. Contractor shall pay all applicable sales, consumer, use, and other similar taxes.
- 7.08 Record Documents
  - A. Contractor shall maintain one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved shop drawings in a safe place at the Site. Contractor shall annotate them to show changes made during construction. Contractor shall deliver these record documents to Engineer upon completion of the Work.
- 7.09 Safety and Protection
  - A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work.

EJCDC<sup>o</sup> C-S22, Contract for Construction of a Small Project. Copyright<sup>o</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 8 of 20

- B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.
- C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
  - 1. All persons on the Site or who may be affected by the Work;
  - 2. All the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
  - Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.
- D. All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, or anyone for whose acts the Contractor may be liable, will be remedied by Contractor at its expense (except damage or loss attributable to the fault of the Contract Documents or to the acts or omissions of Owner or Engineer and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor).
- E. Contractor shall be responsible for coordinating any exchange of safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with laws or regulations.
- F. In emergencies affecting the safety or protection of the Work or persons or property at the Site or adjacent thereto, Contractor shall act to prevent damage, injury, or loss. Contractor shall give Engineer prompt notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency, or are required as a result of Contractor's response to an emergency. If Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.
- 7.10 Submittals
  - A. Contractor shall review and coordinate shop drawings, samples, and other submittals with the requirements of the Work and the Contract Documents, and shall verify all related field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information. Contractor shall confirm that the submittal is complete with respect to all related data included in the submittal.
  - B. Shop drawings and samples must bear a stamp or specific written certification that Contractor has satisfied its obligations under the Contract Documents with respect to Contractor's review of that submittal, and that Contractor approves the submittal.
  - C. With each shop drawing or sample submittal, Contractor shall give Engineer specific written notification, in a communication separate from the shop drawing or sample, of any variations that the shop drawing or sample may have from the requirements of the Contract Documents.

- D. Engineer will provide timely review of submittals. Engineer's review and approval of submittals will not extend to the means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs.
- E. Engineer's review of shop drawings and samples will be only to determine if the items covered will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole.
- F. Engineer's review and approval of a separate item in a shop drawing or sample does not indicate approval of the assembly in which the item functions.
- G. Contractor shall make corrections required by Engineer, return the required number of corrected copies of shop drawings, and submit new samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.
- H. Shop drawings are not Contract Documents.
- 7.11 Warranties and Guarantees
  - A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its consultants are entitled to rely on Contractor's warranty and guarantee.
- 7.12 Correction Period
  - A. If within one year after the date of substantial completion, any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, or other adjacent areas used by Contractor as permitted by laws and regulations, is found to be defective, then Contractor shall promptly correct any such defective Work and repairs, at no cost to Owner.

### 7.13 Indemnification

A. To the fullest extent permitted by law, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from all losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any subcontractor, any supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.

EJCDC® C-S22, Contract for Construction of a Small Project. Copyright® 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 10 of 20

### **ARTICLE 8**—OWNER'S RESPONSIBILITIES

#### 8.01 Responsibilities

- A. Except as otherwise provided in the Contract Documents, Owner shall issue all communications to Contractor through Engineer.
- B. Owner shall make payments to Contractor as provided in this Contract.
- C. Owner shall provide the Site and easements required to construct the Project.
- D. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.
- E. Owner shall furnish copies of any applicable Owner safety programs to Contractor.
- F. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, unless stated elsewhere in the Contract Documents, Owner shall have sole authority and responsibility for such coordination.
- G. Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or for related safety precautions and programs, or for any failure of Contractor to comply with laws and regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

### **ARTICLE 9—ENGINEER'S STATUS DURING CONSTRUCTION**

- 9.01 Engineer's Status
  - A. Engineer will be Owner's representative during construction.
  - B. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility, or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, its subcontractors, suppliers, or sureties, or to any employee or agent of any of them.
  - C. Engineer will make visits to the Site at intervals appropriate to the various stages of construction. Engineer will not be required to make exhaustive or continuous inspections to check the quality or quantity of the Work.
  - D. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or for related safety precautions and programs, or for any failure of Contractor to comply with laws and regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

### **ARTICLE 10—CHANGES IN THE WORK**

- 10.01 Authority to Change the Work
  - A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work.

EJCDC<sup>e</sup> C-522, Contract for Construction of a Small Project. Copyright<sup>e</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 11 of 20

### 10.02 Change Orders

- A. Owner and Contractor shall execute appropriate Change Orders covering:
  - 1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
  - 2. Changes in the Work which are: (a) ordered by Owner or (b) agreed to by the parties or (c) resulting from the Engineer's decision, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters; and
  - 3. Changes in the Contract Price or Contract Times or other changes which embody the substance of any final binding results under Article 12.
- B. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.
- 10.03 Work Change Directive
  - A. A Work Change Directive may be issued to Contractor ordering an addition, deletion, or revision in the Work. A Work Change Directive will not change the Contract Price or Contract Times, but is evidence that the parties expect that the modification ordered or documented by the Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on Contract Price or Contract Times.
- 10.04 Field Orders
  - A. Engineer may issue a Field Order to authorize minor changes in the Work, provided that the changes do not involve an adjustment in the Contract Price or Contract Times.
  - B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then Contractor shall request such adjustment before proceeding with the Work.

### ARTICLE 11—DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS

- 11.01 Differing Site Conditions Process
  - A. If Contractor believes that any subsurface or physical condition (including but not limited to utilities or other underground facilities) that is uncovered or revealed at the Site either (1) differs materially from that shown or indicated in the Contract Documents, or (2) is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract Documents, then Contractor shall promptly notify Owner and Engineer about such condition. Contractor shall not further disturb such condition or perform any Work in connection with the condition (except with respect to an emergency) until receipt of authorization to do so.

- 1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if Contractor knew of, or should have known of, the existence of the condition prior to entry into the Contract.
- B. After receipt of notice regarding a possible differing subsurface or physical condition, Engineer will promptly:
  - 1. Review the condition in question;
  - 2. Determine if it is necessary for Owner to obtain additional exploration or tests with respect to the condition;
  - 3. Determine whether the condition falls within one of the two differing site condition categories described in Paragraph 11.01.A.;
  - 4. Obtain any pertinent cost or schedule information from Contractor;
  - 5. Advise Owner of Engineer's findings, conclusions, and recommendations, including recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question, the need for any change in the Drawings or Specifications, and possible Contract Price or Contract Times adjustments.
- C. After receipt of Engineer's findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part, and granting any equitable adjustment in Contract Times or Contract Price to which Contractor is entitled.

### **ARTICLE 12—CLAIMS AND DISPUTE RESOLUTION**

- 12.01 Claims Process
  - A. The party submitting a claim shall deliver it directly to the other party to the Contract and the Engineer promptly (but in no event later than 10 days) after the start of the event giving rise thereto.
  - B. The party receiving a claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the claim through the exchange of information and direct negotiations. All actions taken on a claim must be stated in writing and submitted to the other party.
  - C. If efforts to resolve a claim are not successful, the party receiving the claim may deny it by giving notice of denial to the other party. If the receiving party does not take action on the claim within 45 days, the claim is deemed denied.
  - D. If the dispute is not resolved to the satisfaction of the parties, Owner or Contractor shall give notice to the other party of the intent to submit the dispute to a court of competent

jurisdiction unless the Owner and Contractor both agree to an alternative dispute resolution process.

### ARTICLE 13—TESTS AND INSPECTIONS; CORRECTION OF DEFECTIVE WORK

- 13.01 Tests and Inspections
  - A. Owner and Engineer will have access to the Site and the Work at reasonable times for observation, inspection, and testing. Contractor shall provide proper and safe conditions for such access.
  - B. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
  - C. Except as otherwise provided in the Contract Documents, Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required: (1) by the Contract Documents; (2) by codes, laws, or regulations; (3) to attain Owner's and Engineer's acceptance of materials or equipment; and (4) to obtain Engineer's approval prior to purchase of materials, mix designs, or equipment.
  - D. If any Work that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense.
- 13.02 Defective Work
  - A. Contractor warrants that the Work is not defective.
  - B. Engineer has the authority to determine whether Work is defective, and to reject defective Work.
  - C. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.
  - D. The Contractor shall promptly correct all defective Work.
  - E. When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's warranty and guarantee on said Work.
  - F. If the Work is defective or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated.

### **ARTICLE 14—PAYMENTS TO CONTRACTOR**

- 14.01 Progress Payments
  - A. Contractor shall prepare a schedule of values that will serve as the basis for progress payments. The schedule of values will be in a form acceptable to Engineer. Lump sum items will be broken into units that allow for measurement of Work in progress. For unit price work, the unit price breakdown in Article 5 will be used as the schedule of values.

EJCDC<sup>®</sup> C-522, Contract for Construction of a Small Project. Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 14 of 20

### 14.02 Applications for Payments

- A. Contractor shall submit signed applications for payment to Engineer monthly, in a form acceptable to the Engineer. Contractor shall provide supporting documentation required by the Contract Documents. Owner will pay for Work completed as of the date of the application for payment.
- B. Beginning with the second application for payment, each application must include an affidavit of Contractor stating that all previous progress payments have been applied to discharge Contractor's obligations associated with the prior applications for payment.

### 14.03 Retainage (Not applicable for this project)

A. The Owner shall retain 10% of each progress payment until the Work is substantially complete.

### 14.04 Review of Applications

- A. Within 10 days after receipt of each application for payment, Engineer will either recommend payment and present the application for payment to Owner, or return the application for payment to Contractor indicating Engineer's reasons for refusing to recommend payment. The Contractor will make the necessary corrections and may resubmit the application for payment.
- B. Engineer will recommend reductions in payment (set-offs) which, in the opinion of the Engineer, are necessary to protect Owner from loss because the Work is defective and requires correction or replacement.
- C. The Owner is entitled to impose set-offs against payment based on any claims that have been made against Owner, or any incurred costs, losses, or damages, on account of Contractor's conduct in the performance of the Work; for defective Work; or for liquidated damages that have accrued as a result of Contractor's failure to complete the Work.
- 14.05 Contractor's Warranty of Title
  - A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than 7 days after the time of payment by Owner.

### 14.06 Substantial Completion

- A. When Contractor considers the Work ready for its intended use, Contractor shall request that Engineer issue a certificate of substantial completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.
- B. Promptly after Contractor's request, Engineer will inspect the Work with Owner and Contractor to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor and Owner of the reasons for Engineer's decision.
- C. If Engineer considers the Work substantially complete, or upon resolution of all reasons for non-issuance of a certificate, Engineer will deliver to Owner and Contractor a certificate of

substantial completion that will fix the date of substantial completion and include a punch list of items to be completed or corrected before final payment.

- 14.07 Final Inspection
  - A. Upon notice from Contractor that the entire Work is complete, Engineer will promptly make a final inspection with Owner and Contractor, and will notify Contractor of all particulars in which this inspection reveals that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work and remedy such defects.
- 14.08 Final Payment
  - A. Contractor may make application for final payment after satisfactorily completing all Work, including providing all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents, and other documents.
  - B. The final application for payment must be accompanied (except as previously delivered) by:
    - 1. All documentation called for in the Contract Documents;
    - 2. Consent of the surety to final payment;
    - Satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any liens or other title defects, or will so pass upon final payment;
    - 4. A list of all pending claims; and
    - 5. Complete and legally effective releases or waivers (satisfactory to Owner) of all lien rights arising out of the Work, and of liens filed in connection with the Work.
  - C. The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment and issuance of notice of the acceptability of the Work.
- 14.09 Waiver of Claims
  - A. By making final payment, Owner waives its claim or right to liquidated damages or other damages for late completion by Contractor, except as set forth in an outstanding claim, setoff, or express reservation of rights by Owner. Owner reserves all other claims or rights after final payment.
  - B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted as a claim.

### ARTICLE 15-SUSPENSION OF WORK AND TERMINATION

- 15.01 Owner May Suspend Work
  - A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 60 consecutive days by notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on

the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or Contract Times, to the extent directly attributable to any such suspension.

- 15.02 Owner May Terminate for Cause
  - A. Contractor's failure to perform the Work in accordance with the Contract Documents or other failure to comply with a material term of the Contract Documents will constitute a default by Contractor and justify termination for cause.
  - B. If Contractor defaults in its obligations, then after giving Contractor and any surety 10 days' notice that Owner is considering a declaration that Contractor is in default and the termination of the Contract, Owner may proceed to:
    - 1. Declare Contractor to be in default, and give Contractor and any surety notice that the Contract is terminated; and
    - 2. Enforce the rights available to Owner under any applicable performance bond.
  - C. Owner may not proceed with termination of the Contract under Paragraph 15.02.B if Contractor within 7 days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
  - D. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
  - E. In the case of a termination for cause, if the cost to complete the Work, including related claims, costs, losses, and damages, exceeds the unpaid contract balance, Contractor shall pay the difference to Owner.
  - F. If Contractor has provided a performance bond, the provisions of that bond will govern over any inconsistent provisions of Paragraph 15.02.
- 15.03 Owner May Terminate for Convenience
  - A. Upon 7 days' notice to Contractor, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for the following, without duplication of any items:
    - Completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, less any set-offs, and including fair and reasonable sums for overhead and profit on such Work;
    - Expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
    - 3. Other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.
  - B. Contractor shall not be paid for any loss of anticipated profits, or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.

EJCDC<sup>o</sup> C-522, Contract for Construction of a Small Project. Copyright<sup>o</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved. Page 17 of 20

### 15.04 Contractor May Stop Work or Terminate

A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 60 consecutive days by Owner or under an order of court or other public authority, or (2) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days' notice to Owner, and provided Owner does not remedy such suspension or failure within that time, either stop the Work until payment is received, or terminate the Contract and recover payment from the Owner.

### **ARTICLE 16—CONTRACTOR'S REPRESENTATIONS**

- 16.01 Contractor Representations
  - A. Contractor makes the following representations when entering into this Contract:
    - 1. Contractor has examined and carefully studied the Contract Documents.
    - 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
    - 3. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
    - 4. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that, without exception, all prices in the Contract are premised upon performing and furnishing the Work required by the Contract Documents.

### ARTICLE 17-MISCELLANEOUS

- 17.01 Giving Notice
  - A. Whenever any provision of the Contract Documents requires the giving of notice to Owner, Engineer, or Contractor, such notice must be in writing, and delivered in person (by commercial courier or otherwise); by registered or certified mail; or by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.
- 17.02 Cumulative Remedies
  - A. The duties and obligations expressly imposed by this Contract, and the rights and remedies expressly available to the parties under this Contract, are in addition to, and are not to be construed in any way as a limitation of, any duties, obligations, rights, or remedies otherwise imposed or available by laws or regulations, by warranty or guarantee, or by other provisions of the Contract.
- 17.03 Limitation of Damages
  - A. Neither Owner, Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

### 17.04 No Waiver

- A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.
- 17.05 Survival of Obligations
  - A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.
- **17.06** Contractor's Certifications
  - A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or entering into the Contract.
- 17.07 Controlling Law
  - A. This Contract is to be governed by the law of the state in which the Project is located.

The Effective Date of the Contract is August 9, 2023

Owner:	Contractor:
Great Basin Water Co.	Budget Drilling Co
(typed or printed name of organization)	(typed or printed name of organization)
By: (individual's signature)	By: (indistaual's signature)
Date: <u>8/15/23</u> (dbte signed)	Date:
Name: James Eason (typed or printed)	Name: Sam Robinson (typed or printed)
Title: Director of State Operations	Title: Manager
(typed or printed)	(typed or printed) (If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)
Attest: (individual's signature)	Attest:
Title:(typed or printed)	Title:
Address for giving notices:	Address for giving notices:
1240 E. State St. Suite 115	1170 Darcy Lane
Pahrump NV. 89048	Pahrump, NV 89060
Designated Representative:	Designated Representative:
Name: <u>Mark Windholz</u> (typed or printed)	Name: Sam Adins of (typed or printed)
Title: Project Manager (typed or printed)	Title: Jucksp. (typed or printed)
Address:	Address:
1240 E. State St. Suite 115	1170 Darcy Lane
Pahrump NV. 89048	Pahrump, NV 89060
Phone: 775-209-4908	Phone: 702-306-2138
Email: mark.windholz@greatbasinwaterco.com	Email: robinson@budgetdrillinglic.com
	License No.: 77029
(Agreement.)	(where applicable)
	State: <u>Nevada</u>

EJCDC® C-S22, Contract for Construction of a Small Project. Copyright<sup>©</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved.

Page 20 of 20

# GREAT BASIN WATER COMPANY-PAHRUMP DIVISION WELL-10 OVER DRILLING AND SANITARY SEAL INSTALLATION

#### 1. Mobilization and Demobilization

Work to be performed under this item shall consist of mobilization, demobilization and cleanup. Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of all offices, buildings and other facilities necessary for work on the project; temporary power, water, sanitation facilities, and signage; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site. Demobilization shall consist of all preparatory work and operations to remove all the facilities and personnel included in mobilization. Cleanup shall consist of neatly finishing the entire construction area after all the work indicated on the plans and specification is completed and before final acceptance of the project.

The Bureau of Safe Drinking Water will make payment for Bid Item No.1 in a lump sum according to the "Bid Schedule" after the approval of the cement bond log, as follows:

- A. 70% of total bid item after completion of mobilization of all necessary equipment to the project site.
- B. 30% following approved removal, cleanup, and restoration of project site as deemed complete by the Consultant.

#### 2. <u>Remove and Replace Fencing</u>

The contractor will be responsible for removing the existing fence around Well-10 to make the site accessible for construction. At the end of the project, the fence shall be replaced, matching the condition before removal.

Payment for Bid Item No.2 shall be made in lump sum according to the "Bid Schedule" after the fence is inspected and approved by Client. This bid item is independent of a successful cement bond log as approved by the Bureau of Safe Drinking Water (BSDW).

#### 3. <u>Conductor Casing</u>

Contractor shall furnish and install 15-feet of 36-inch nominal diameter, 0.375 wall thickness, ASTM A53B or ASTM 139 casing. The installed 36-inch conductor casing will be cemented into place as a permanent conductor. The sanitary seal around the conductor casing will be installed by positive displacement through a tremmie pipe to meet the requirements as a sanitary seal (NAC 445A.66905). The sanitary seal around the conductor casing shall be left undisturbed for a minimum of twenty-four (24) hours after the final batch of slurry has been placed. No standby time shall be paid during this period.

Payment for the conductor casing shall be at a lump sum as outlined in the "Bid Schedule." This bid item is independent of a successful cement bond log and approval by BSDW.

#### 4. Over Drilling of Existing Well Casing

The drill rig will be centered over the existing well casing and a twenty inch (20") boring annulus will be drilled around the existing 16-inch casing. The boring annulus will be drilled to a depth no less than sixty feet (60-ft) below ground surface. The boring annulus can be drilled with a single pass drilling method. The boring annulus shall be drilled with diligence and without undue delays. The drill cuttings can remain onsite as-long-as they are spread out and worked into the natural material on the surface of the property. The total annulus between the existing 16-inch well casing and 20-inch boring annulus shall be at least 2-inches to ensure that the thickness of the sanitary seal around the existing casing meets the regulations for a proper sanitary seal (NAC 445A.66905).

Payment for the drilling of the borehole shall be based on a linear footage rate as outlined in the "Bid Schedule." No payment shall be made for over drilling more than designed. Payment for this task shall only be made upon a successful cement bond log of the sanitary seal and acceptance of the installation of the sanitary seal by the Bureau of Safe Drinking Water (BSDW) allowing the well to be permitted as a municipal water supply well source for GBWC-Pahrump Division.

#### 5. Sanitary Seal

The annular space created between the casing and 20-inch boring annulus shall be sealed with neat cement or cement sand slurry from a depth of no less than fifty feet (50-ft) feet below ground surface. The slurry shall be placed by positive displacement through a tremmie pipe. The cement grout or neat cement shall consist of a mixture of no more than 5.2 gallons of clean water mixed with each 94-lb. sack of Portland-type C cement (NAC 534.150 and NAC 534.060). The cement grout shall be thoroughly mixed and free of lumps and stones and run through a protective strainer before pumping into the well. The final mix shall produce a slurry weight of 15.6 lbs. /gal. Calcium chloride, bentonite, or other additives are not allowed. The seal shall be left undisturbed for a minimum of twenty-four (24) hours after the final batch or lift of slurry has been placed. No standby time shall be paid during this period.

Payment for sanitary seal shall be at the "per cubic yard" price installed at the request and approval of the Consultant as outlined in the "Bid Schedule". Contactor shall verify the amount of neat cement required based on conditions observed during the over drill. Contractor shall provide an invoice stating the quantity of neat cement pumped into the annular space. Payment for this task shall cover only the material cost for the supplied cement of the sanitary seal if the cement bond log is not approved by BSDW.

#### 6. <u>Cement Bond Logging</u>

Contractor shall provide a geophysical cement bond log of the final borehole from a well logging contractor such as Barbour Corporation, or an approved equal with experience in cement bond logs. The contractor shall install an inflatable packer or approved equal and fill the casing to the surface with water so a complete log can be obtained from at least 50 below ground level (bgl) to the surface. The cement bond log shall show that the installation of the sanitary seal to at least 50 feet below ground surface meets the requirements of an approved sanitary seal around the existing casing. Necessary appurtenances to perform the log shall be included in this bid item, including the packer needed to bring the water level to the top of the casing.

Payment for the cement bond logging shall be at the lump sum price quoted in the "Bid Schedule" for the entire depth of the borehole. The payment for the cement bond logging shall be independent of approval of the cement bond log by BSDW.

# **Alternative Tasks:**

#### 7. Install Existing Pump

If the cement bond log meets the requirements of NAC445A.66905, Contractor shall install the existing pumping equipment. The discharge will be connected back into the existing irrigation system with a means to monitor flow.

Payment for the installation of the existing pumping equipment shall be at the lump sum price quoted in the "Bid Schedule."

#### 8. Pump Testing

After the cement bond log has been reviewed and appears to show a good cement sanitary seal by the consultant, the contractor shall perform a complete pumping test of the well per NAC445A.6688. The discharge rate shall be measured using a flow meter appropriate for the flow range to be tested. Installation of necessary appurtenances, such as gate valve and sounding tubes, shall be approved by Consultant based upon correct installation, quality of equipment and ease of operation. Consultant shall direct test pumping with the anticipated pumping scenario for the well to include, but not be limited to, the following:

- 1. Step Test: The step test will include a minimum of four different pumping rates estimated at 600 gallons per minute (gpm), 800 gpm, 1000gpm, and 1200gpm. Each rate will be pumped for a minimum of one hundred twenty (120) minutes. After step test completion, the well shall be allowed to recover to the original static water level or for a minimum of twelve (12) hours (whichever occurs first) before beginning the constant rate discharge test.
- 2. Constant Rate: The constant rate discharge test must be continuous without interruption for a minimum of twenty-four (24) hours. While the test is being

conducted, the Contractor will monitor the pump test by collecting water levels at the standard time intervals. At the end of the pumping period, the pump may not be removed for a period equal to the total length of the pump test or until approved by the Consultant. If the constant rate discharge test is interrupted before the Consultant approves that the test has been successfully concluded, the well shall be rested and allowed to recover before restarting the test; for at least the amount of time the pump ran before failure.

Discharge water will go to Discovery Park through existing GBWC-PD piping, where Well-10 served as the source for irrigation previously. Contractor shall provide and install the necessary appurtenances to convey the water to the existing Discovery Park irrigation piping.

Contractor shall provide, install, and operate a programmable pressure transducer to record water levels, such as an In-Situ Level TROLL or other Consultant approved equal. Contractor will be responsible for operating the instrument and providing the transducer data at the conclusion of the test to the Client and Consultant. In addition to the transducer data collection, the Contractor must record water levels with a water level sounder at the time intervals provided by Consultant in Table 1.

Payment for the testing by pumping shall be at the hourly rate specified as outlined in the "Bid Schedule." The hourly rate does not include the time spent for equipment installation.

	bunung reading nicerans
Time Since Pump Started	Time Intervals Between
(minutes)	Manual Readings (minutes)
0 - 15	1
15 - 60	5
60 - 300	30
300 - 1440	60 (1-hr)
1440 – termination of pumping	180 (3-hrs)

Table-1: Manual sounding reading intervals

#### 9. Abandonment of Existing Well-10

In the event that the Well-10 sanitary seal does not meet the requirements of NAC445A.66905, Contractor may be requested to abandon the existing Well-10 in accordance with to NAC 534.420. A new well must be drilled, developed, and placed into service prior to the existing well 10 being abandoned.

Payment for the abandonment will be at the lump sum price quoted in the "Bid Schedule".

# GBWC-PD Well-10 Over Drilling (BASE BID SCHEDULE)

Company Name: Budget Drilling

Drillers Name (References Attached): Jake Robinson

Minimum Pad Dimensions: 6ft. x 6ft.

WORK REQUIRED TO CAP OLD ARTESIAN BYPASS, OVER DRILL EXISTING CASING, INSTALL A 60FT MINIMUM NEAT CEMENT SANITARY SEAL AND PROVIDE CEMENT BOND LOG (ALTERNATIVE TO ABANDON WELL IF CEMENT BOND LOG DOES NOT SHOW APPROVED SANITARY SEAL)

Item	Description	Est. Qty.	Unit	Unit Price	Total Price
1	Mobilization/Demobilization of rotary drill rig, 3-man crew, and support equipment including site restoration (not to exceed 25% of total project cost).	1	LS	\$13,000.00	\$13,000.00
2	Fence Removal and Replacement (independent of BSDW approval)	1	LS	\$3,200.00	\$3,200.00
3	Conductor Casing (independent of BSDW approval)	15	LS	\$253.33	\$3,800.00
4	Over Drilling of Existing Well Casing. Payment authorized only with a successful passing of a Cement Bond Log on the sanitary seal.	60	LF	\$1,031.00	\$61,900.00
5	Placement of sanitary seal between casing and borehole of no less than 60 feet to ground surface. (material cost independent of BSDW approval)	~5	CY	\$475.00	\$2,375.00
6	Geophysical Logging of the borehole from a well logging contractor consisting of a Cement Bond Log. (independent of BSDW approval)	1	LS	\$8,800.00	\$8,800.00
	\$93,075.00				
Altern	ative Task:				
7	Install Existing Pumping Equipment	1	LS	\$1,500.00	\$1,500.00
8	Pump Testing	32	HR	\$402.50	\$12,880.00
9	Abandonment of existing Well-10 per NAC534.420 requirements.	1	LS	\$19,500.00	\$19,500.00 (26yds.)
				TOTAL BID	126,955.00

## TOTAL BID PRICE: <u>\$ 126,955.00</u> TOTAL PRICE (Words): <u>One Hundred twenty-six thousand nine hundred fifty-five</u> <u>dollars</u>

#### Acronyms:

Est. Qty. – Estimated Quantity Units – Unit of Measurement LS – Lump Sum LF – Linear Feet EA – Each CY – Cubic Yards HR – Hours

## SS Fencing & Gates, LLC

License# 0081123 Pahrump, NV 89061 US +1 7757279832 ssfg2012@yahoo.com

Great basin water co. 961 & 971 S. Delaware St Pahrump NV		2449 08/06/2024
6' Chain Link Fence Install approx. 320' of 2" x 9ga x 6' TT GBW chain link 2 7/8" ss40 corner posts 2 3/8" ss40 line posts Posts set no more than 8' apart / 3' deep concrete in every hole 1 5/8" ss20 top rail, bottom rail and brace tube 3 strands barb wire Hardware - 45 degree barb arms, tension bands, brace bands, rail ends, tension bars, ties, hog rings and 3/8" truss rods. Fabricate and install 2 - 20' slide gates with 3 strands barb wire 1 5/8" ss20 gate frame, 3/8" truss rods Slide gate hardware - latch, rear wheels, V groove wheel, track brackets, caps	1	17,719.00
Gate runner 2 - 20' concrete gate runners	1	1,850.00
Dirt work Grading	1	1,500.00

\$21,069.00

Mark Windholz Project Manager

September 18, 2024

# DOC #1029783

Official Records Nye County NV Deborah Beatty - Recorder 05/08/2024 09:44:48 AM Requested By: FIDELITY NATIONAL TIT Recorded By: sb RPTT: \$25.35 Recording Fee: \$37.00 Page 1 of 4

APN/Parcel ID(s): 038-321-20

Order No.: 240806-019-KDW

# WHEN RECORDED MAIL TO and MAIL TAX STATEMENTS TO:

Great Basin Water Company 961 S Delaware St Pahrump, NV 89048

SPACE ABOVE THIS LINE FOR RECORDER'S USE

#### **GRANT, BARGAIN AND SALE DEED**

#### R.P.T.T \$25.35

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

# Ted Semanision and Helen Semanision, husband and wife, Joint Tenants with Rights of Survivorship,

do(es) hereby GRANT, BARGAIN AND SELL to

#### **Great Basin Water Company**

the real property situated in the County of Nye, State of Nevada, described as follows:

FOR LEGAL DESCRIPTION OF THE REAL PROPERTY, SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Subject to:

- 1. All general and special taxes for the current fiscal year.
- 2. Covenants, Conditions, Restrictions, Reservations, Rights, Rights of way and Easements now of record.

Together with all tenements, hereditaments and appurtenances, including easements and water rights, if any, thereto belonging or appertaining, and any revisions, remainders, rents, issues or profits thereof.

Grant Bargain and Sale Deed SCA0002454.doc / Updated: 07.19.22

NV-FT-FLAV-01550.420019-240806-019

#### SIGNATURE AND NOTARY ACKNOWLEDGMENT FOR GRANT BARGAIN SALE DEED

17/2024 4 Dated:

| eo emanesion

Ted Semanision

1-D anisin

**Helen Semanision** 

BNC State of NEVADA New Mukico BNC County of NYEhos stamos This instrument was acknowledged before me on this  $10^{10}$  day of  $2^{10}$ <u>2024</u>, by Ted Semanision and Helen Semanision

play Public m Notary Public

[SEAL]

STATE OF NEW MEXICO NOTARY PUBLIC BEVERLY NEAL-CLINTON Commission No. 2001004 Expires 10/13/2027

Grant Bargain and Sale Deed SCA0002454.doc / Updated: 07,19.22

NV-FT-FLAV-01550.420019-240806-019

GBWC\_2024 Rate Case\_Vol. 5, Page 261 of 389

## **EXHIBIT "A"** Legal Description

For APN/Parcel ID(s): 038-321-20

LOT 45 IN BLOCK 11 OF CALVADA VALLEY UNIT NO. 6 AS SHOWN BY MAP RECORDED FEBRUARY 5, 1973 AS DOCUMENT NO. 36024 IN THE OFFICE OF THE COUNTY RECORDER OF NYE COUNTY, NEVADA.

•

#### STATE OF NEVADA DECLARATION OF VALUE

	Assessor's Parcel Number(s) 038-321-20		
	Type of Property:		
-	a. Image: Vacant Land       b. Image: Single Fam. Res.         c. Image: Condo/Twnhse       d. Image: 2-4 Plex         e. Image: Apt. Bldg       f. Image: Comm'l/Ind'l         g. Image: Agricultural       h. Image: Mobile Home         Image: Other       Other	FOR RECORDERS OPTI Book Date of Recording: Notes:	Page
3.	a. Total Value/Sales Price of Property	\$ 6,500.00	
-	b. Deed in Lieu of Foreclosure Only (value of property		)
	c. Transfer Tax Value:		
	d. Real Property Transfer Tax Due	\$ 25.35	
4.	If Exemption Claimed:		······································
	a. Transfer Tax Exemption per NRS 375.090, Section	NONE	
	b. Explain Reason for Exemption:		
	0. 2. p. a		
and Fur add	I NRS 375.110, that the information provided is correct is consistent of the supported by documentation if called upon to such thermore, the parties agree that disallowance of any clais litional tax due, may result in a penalty of 10% of the tax NRS 375.030, the Buyer and Seller shall be jointly and s	ubstantiate the information pro- med exemption, or other dete a due plus interest at 1% per n reverally liable for any addition	ovided herein. rmination of nonth. Pursuant onal amount owed.
Sig	nature Lef Semanicon Helen Lonion	Capacity: Grantor	
Sig	nature	_ Capacity: <u>Grantee</u>	
<u>SE</u>	<u>LLER (GRANTOR) INFORMATION</u> (REQUIRED)	<u>BUYER (GRANTEE) IN</u> (REQU	
Pri	nt Name: Ted Semanision and Helen Semanision	Print Name: Great Basin	Water Company
	dress: 499 Ridgecrest Ave	Address: 961 S Delaware	St
	y: White Rock	City: Pahrump	
Sta	te: NM Zip: 87547	State: NV	Zip: 89048
CC	MPANY/PERSON REQUESTING RECORDING (	Required if not seller or buy	ver)
	nt Name: Fidelity National Title Agency of Nevada, Inc.	Escrow # 240806-019	
۸d	dress: 2281 Postal Dr., Suite 9		
$\frac{Au}{Cit}$		State: NV	Zip: 89048
	AS A PUBLIC RECORD THIS FORM MA	AY BE RECORDED/MICRO	FILMED

# CONTRACT FOR CONSTRUCTION OF A SMALL PROJECT

This Contract is by and between Great Basin Water Co. – (Owner) and Floyd Construction Inc. (Contractor). Owner and Contractor hereby agree as follows:

# ARTICLE 1—THE WORK

#### 1.01 Work

- A. Work includes all labor, materials, equipment, services, and documentation necessary to construct the Project defined herein. The Work may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.
- B. The Contractor shall complete all Work as specified or indicated in the Contract Documents. The Project is generally described as follows: Pahrump Well 10 Rehabilitation Project which consists of constructing a chlorine building, installing electrical panels, installing pumping equipment, installing discharge piping, concrete work, installing pre-purchase generator, and installing analytical machines.
- C. The Site of the Work includes property, easements, and designated work areas described in greater detail in the Contract Documents but generally located at 971 S. Delaware St. Pahrump NV.

## **ARTICLE 2—CONTRACT DOCUMENTS**

- 2.01 Intent of Contract Documents
  - A. It is the intent of the Contract Documents to describe a functionally complete Project. The Contract Documents do not indicate or describe all of the Work required to complete the Project. Additional details required for the correct installation of selected products are to be provided by the Contractor and coordinated with Owner and Engineer. This Contract constitutes the entire agreement between Owner and Contractor, and supersedes prior negotiations, representations, and agreements, whether written or oral. The Contract Documents are complementary; what is required by one part of the Contract Documents is as binding as if required by other parts of the Contract Documents.
  - B. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work under the Contract Documents. During the performance of the Work and until final payment, Contractor and Owner shall submit to Engineer all matters in question concerning the requirements of the Contract Documents, or relating to the acceptability of the Work. Engineer will render a written clarification, interpretation, or decision on the issue submitted, or initiate a modification to the Contract Documents.
  - C. Contractor, and its subcontractors and suppliers, shall not have or acquire any title to or ownership rights to any of the Drawings, Specifications, or other documents (including copies or electronic media versions) prepared by Engineer or its consultants.
  - D. *Contract Price or Contract Times:* References to a change in "Contract Price or Contract Times" or "Contract Times or Contract Price" or similar, indicate that such change applies to

(1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term "or both" is not expressed.

- E. Nothing in the Contract Documents creates any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity.
- 2.02 Contract Documents Defined
  - A. The Contract Documents consist of the following documents:
    - 1. This Contract for Construction of a Small Project.
    - 2. Exhibits to this Contract (enumerated as follows):
      - a. Exhibit 1- GBWC Pahrump Production Well 10 Spec.
      - b. Exhibit 2- Production Well 10 Project Plan Set
      - c. Exhibit 3 Project Cost and Warranty Form RFP PD 2022-10-08
      - d. Exhibit 4 Performance and Payment Bond
      - e. Exhibit 5 Builders Risk and Installation Insurance
      - f. Exhibit 6 Pollution Insurance
      - g. Exhibit 7 Contractor Health, Safety and Environment Handbook
    - 3. The following which may be delivered or issued on or after the Effective Date of the Contract:
      - a. Notice to Proceed (EJCDC<sup>®</sup> C-550).
      - b. Work Change Directives (EJCDC<sup>®</sup> C-940).
      - c. Change Orders (EJCDC<sup>®</sup> C-941).
      - d. Field Orders (EJCDC<sup>®</sup> C-942).

#### ARTICLE 3—ENGINEER

- 3.01 Engineer
  - A. The Engineer for this Project is Lumos and Associates, Mike Hardy P.E., Senior Project Manager

#### ARTICLE 4—CONTRACT TIMES

- 4.01 Contract Times
  - A. The Work will be substantially complete on or before April 15, 2025, and completed and ready for final payment on or before April 30, 2025.
- 4.02 Liquidated Damages
  - A. Contractor and Owner recognize that time is of the essence in the performance of the Contract, and that Owner will incur damages if Contractor does not complete the Work

according to the requirements of Paragraph 4.01. Because such damages would be difficult and costly to determine, Owner and Contractor agree that as liquidated damages for delay in completion (but not as a penalty):

- 1. *Substantial Completion:* Contractor shall pay Owner \$500.00 for each day that expires after the Contract Time for substantial completion, until the Work is substantially complete.
- 2. Completion of Remaining Work: After substantial completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$100 for each day that expires after such time until the Work is completed and ready for final payment.

#### 4.03 Delays in Contractor's Progress

- A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times or Contract Price.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor or its subcontractors or suppliers.
- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times.
- D. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor or Contractor's subcontractors or suppliers.
- 4.04 *Progress Schedules* 
  - A. Contractor shall develop a progress schedule and submit it to Engineer for review and comment before starting Work on the Site. Contractor shall modify the schedule in accordance with Engineer's comments.
  - B. Contractor shall update and submit the progress schedule to Engineer each month. Owner may withhold payment if Contractor fails to submit the schedule.

#### ARTICLE 5—CONTRACT PRICE

- 5.01 Payment
  - A. Owner shall pay Contractor, in accordance with the Contract Documents, at the following unit prices for each unit of Work completed:

Primary Price Schedule for Pahrump Production Well 10					
ltem No.	Description	Est. Qty.	U/M	Unit Price	Total Extended Price
1	Mobilization/Demobilization of equipment & materials including site restoration (not to exceed 10% of total project cost).	1	LS	\$ 13,500	\$ 13,500
2	Permits (Federal, State, County).	1	LS	\$0	\$ O
3	Site Preparation and grading.	1	LS	\$ 42,250	\$ 42,250
4	Furnish and Install Pumping System	1	LS	\$66,000	\$ 66,000
5	Furnish and Install Well Head Assembly with an 8-inch Discharge.LS	1	LS	\$ 12,500	\$ 12,500
6	Furnish and Install Materials for Discharge Assembly with Appurtenances	1	LS	\$ 88,000	\$ 88,000
7	Furnish and Install Materials for Pump to Waste Assembly with Appurtenances and Piping	1	LS	\$ 42,000	\$ 42,000
8	Furnish and Install 6' Tall Chain Linked Security Fencing	270	LF	\$0	\$ 0
9	Furnish and Install Rolling Security Fence Gate	2	EA	\$ 0	\$ O
10	Chlorine Storage Structure	1	LS	\$ 95 <i>,</i> 650	\$ 95,650
11	Furnish and Install Electrical Fixtures, Equipment, Components, & Generator Set	1	LS	\$335,000	\$ 335,000
12	Furnish and Install 4" Reduced Pressure Principal Assembly	1	LS	\$ 39,500	\$ 39,500

Copyright<sup>©</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies,

and American Society of Civil Engineers. All rights reserved.

Page 4 of 22

13	Furnish and Install Removable Bollard	6	EA	\$ 2,000	\$ 12,000
14	Miscellaneous Piping, Fittings and Appurtenances	1	LS	\$ 16,500	\$ 16,500
15	Abandonment and Demolition of Existing Irrigation piping	1	LS	\$ 13,500	\$ 13,500
16	Performance and Payment Bond	1	EA	\$ 23,275	\$ 23,275
17	Builder Rish and Installation Insurance	1	EA	\$375	\$375
18	Pollution Insurance	1	EA	\$ 3,254.15	\$ 3,254.15
				Total Price	\$ 803,304.15

Payment will be made in an amount equal to the total of all extended prices for actual Work completed. The extended price is determined by multiplying the unit price times the actual quantity of that Work item completed. Actual quantities installed will be determined by the Engineer.

#### **ARTICLE 6—BONDS AND INSURANCE**

- 6.01 Bonds
  - A. When Contractor delivers the signed counterparts of the Contract to Owner, Contractor shall also deliver the performance bond and payment bond to Owner. Each bond must be in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract. These bonds must remain in effect until the completion of the correction period specified in Paragraph 7.12 but, in any case, not less than one year after the date when final payment becomes due. The form of such bond shall be in a form satisfactory to Owner, name Owner as an obligee and provided by a surety that is duly licensed or authorized in the jurisdiction in which the Project is located.
  - B. Upon request, Owner will provide a copy of the payment bond to any person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work.
- 6.02 Insurance
  - A. When Contractor delivers the signed counterparts of the Contract to Owner, Contractor shall furnish certificates, endorsements, and any other evidence of insurance requested by Owner. Insurance is to be provided by companies that are duly licensed or authorized in the jurisdiction in which the Project is located with a minimum A.M. Best rating of A-VII or better. Contractor shall provide insurance in accordance with the following:
    - 1. Contractor shall provide coverage for not less than the following amounts, or greater where required by Laws and Regulations:
      - a. Workers' Compensation and Employer's Liability

EJCDC<sup>®</sup> C-522, Contract for Construction of a Small Project. Copyright<sup>®</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved.

Workers' Compensation	Statutory
Employer's Liability	
Each Accident	\$1,000,000
Each Employee	\$1,000,000
Policy Limit	\$1,000,000

#### b. Commercial General Liability

General Aggregate	\$2,000,000
Products - Completed Operations Aggregate	\$2,000,000
Personal and Advertising Injury	\$2,000,000
Bodily Injury and Property Damage—Each Occurrence	\$2,000,000

## c. Professional Liability

Limit per claim	\$2,000,000

## d. Automobile Liability

## e. Excess or Umbrella Liability

Per Occurrence	\$5,000,000
General Aggregate	\$5,000,000

## a. Contractor's Pollution Liability

Each Occurrence/Claim	\$2,000,000
General Aggregate	\$2,000,000

- b. <u>Contractor shall obtain a builders risk, all risk policy, for the Contract Price value for</u> <u>the project.</u>
- B. All insurance policies required to be purchased and maintained will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 10 days after notice has been received by the purchasing policyholder. Within three days of receipt of any such notice, the purchasing policyholder shall provide a copy of the notice to each other insured and Engineer.
- C. Automobile liability insurance provided by Contractor will be written on an occurrence basis and provide coverage against claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle.
- D. Contractor's commercial general liability policy will be written on a 1996 or later ISO commercial general liability occurrence form and include the following coverages and endorsements:
  - 1. Products and completed operations coverage maintained for three years after final payment;
  - 2. Blanket contractual liability coverage to the extent permitted by law;

EJCDC® C-522, Contract for Construction of a Small Project. Copyright® 2018 National Society of Professional Engineers, American Council of Engineering Companies, and American Society of Civil Engineers. All rights reserved.

- 3. Broad form property damage coverage; and
- 4. Severability of interest; underground, explosion, and collapse coverage; personal injury coverage.
- E. The Contractor's commercial general liability and automobile liability, umbrella or excess, and pollution liability policies will include and list Owner and Engineer and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each as additional insureds; and the insurance afforded to these additional insureds will provide primary coverage for all claims covered thereby (including, as applicable, those arising from both ongoing and completed operations) on a non-contributory basis.
  - Additional insured endorsements will include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.
  - 2. Contractor shall provide ISO Endorsement CG 20 32 07 04, "Additional Insured— Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent for design professional additional insureds.
- F. Umbrella or excess liability insurance will be written over the underlying employer's liability, commercial general liability, and automobile liability insurance. The coverage afforded must be at least as broad as that of each and every one of the underlying policies. Contractor may meet the policy limits specified for employer's liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policy's policy limits and partial attribution of the policy limits of an umbrella or excess liability policy that is at least as broad in coverage as that of the underlying policy.
- G. The Contractor shall provide property insurance covering physical loss or damage during construction to structures, materials, fixtures, and equipment, including those materials, fixtures, or equipment in storage or transit.
- H. If Contractor has failed to obtain and maintain required insurance, Owner may exclude the Contractor from the Site, impose an appropriate set-off against payment, and exercise Owner's termination rights under Article 15.
- I. Contractor shall require its subcontractors and consultants to maintain substantially similar and commercially reasonable insurance for such subcontractors' and/or consultants' work on the Project.

# ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES

- 7.01 Contractor's Means and Methods of Construction
  - A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
  - B. If professional engineering or other design services are needed to carry out Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly

licensed design professional, at Contractor's expense. Neither Owner nor Engineer has any responsibility with respect to (1) Contractor's determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

# 7.02 Supervision and Superintendence

- A. Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without notice to and approval by the Owner and Engineer except under extraordinary circumstances.
- C. Contractor shall maintain good discipline and order at the Site.
- D. Except as otherwise required for the safety or protection of the Work or persons or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday.
- 7.03 Other Work at the Site
  - A. In addition to and apart from the Work of the Contractor, other work may occur at or adjacent to the Site. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.
  - B. Contractor shall notify Owner, the owners of adjacent property, the owners of underground facilities and other utilities (if the identity of such owners is known to Contractor), and other contractors and utility owners performing work at or adjacent to the Site when Contractor knows that prosecution of the Work may affect them; and Contractor shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.

# 7.04 Services, Materials, and Equipment

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for everything necessary for the performance, testing, start-up, and completion of the Work.
- B. All materials and equipment incorporated into the Work must be new and of good quality, and be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable supplier, except as otherwise may be provided in the Contract Documents.

# 7.05 Subcontractors and Suppliers

A. Just as Contractor is responsible for its own acts and omissions, Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor's employees; of suppliers and subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work. The Contractor's retention of a subcontractor or supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.

#### 7.06 Licenses, Fees and Permits

- A. Contractor shall pay all license fees and royalties and assume all costs incident to performing the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others.
- B. Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy, unless otherwise provided in the Contract Documents.

#### 7.07 Laws and Regulations; Taxes

- A. Contractor shall give all notices required by all local, state, and federal laws and regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any laws or regulations.
- B. Contractor will abide by and comply with all applicable federal, state, and local laws, rules and regulations, including, without limitation, those related to bribery and corruption and employment and labor matters, including those specifically related to wage and hour issues ("Applicable Laws"). Contractor agrees to indemnify and hold harmless Owner, its officers, directors, employees, agents and assigns from all claims, fines, damages, suits, penalties, judgments and related losses associated with Contractor's failure to comply with all Applicable Laws.
- C. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to laws or regulations, Contractor shall bear all resulting costs and losses, and to the fullest extent permitted by law Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all such claims, costs, losses, and damages.
- D. Contractor shall pay all applicable sales, consumer, use, and other similar taxes.
- 7.08 *Record Documents* 
  - A. Contractor shall maintain one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved shop drawings in a safe place at the Site. Contractor shall annotate them to show changes made during construction. Contractor shall deliver these record documents to Engineer upon completion of the Work.

#### 7.09 Safety and Protection

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work in accordance with the Contract Documents.
- B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.
- C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
  - 1. All persons on the Site or who may be affected by the Work;

- 2. All the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
- 3. Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.
- D. All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, or anyone for whose acts the Contractor may be liable, will be remedied by Contractor at its expense (except damage or loss attributable to the fault of the Contract Documents or to the acts or omissions of Owner or Engineer and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor).
- E. Contractor shall be responsible for coordinating any exchange of safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with laws or regulations.
- F. In emergencies affecting the safety or protection of the Work or persons or property at the Site or adjacent thereto, Contractor shall act to prevent damage, injury, or loss. Contractor shall give Engineer prompt notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency, or are required as a result of Contractor's response to an emergency. If Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.

## 7.10 Submittals

- A. Contractor shall review and coordinate shop drawings, samples, and other submittals with the requirements of the Work and the Contract Documents, and shall verify all related field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information. Contractor shall confirm that the submittal is complete with respect to all related data included in the submittal.
- B. Shop drawings and samples must bear a stamp or specific written certification that Contractor has satisfied its obligations under the Contract Documents with respect to Contractor's review of that submittal, and that Contractor approves the submittal.
- C. With each shop drawing or sample submittal, Contractor shall give Engineer specific written notification, in a communication separate from the shop drawing or sample, of any variations that the shop drawing or sample may have from the requirements of the Contract Documents.
- D. Engineer will provide timely review of submittals. Engineer's review and approval of submittals will not extend to the means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs.
- E. Engineer's review of shop drawings and samples will be only to determine if the items covered will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole.

- F. Engineer's review and approval of a separate item in a shop drawing or sample does not indicate approval of the assembly in which the item functions.
- G. Contractor shall make corrections required by Engineer, return the required number of corrected copies of shop drawings, and submit new samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.
- H. Shop drawings are not Contract Documents.
- 7.11 Warranties and Guarantees
  - A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its consultants are entitled to rely on Contractor's warranty and guarantee.

## 7.12 Correction Period

A. If within one year after the date of substantial completion, any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, or other adjacent areas used by Contractor as permitted by laws and regulations, is found to be defective, then Contractor shall promptly correct any such defective Work and repairs, at no cost to Owner.

## 7.13 Indemnification

A. To the fullest extent permitted by law, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from all losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any subcontractor, any supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.

#### **ARTICLE 8—OWNER'S RESPONSIBILITIES**

#### 8.01 *Responsibilities*

- A. Except as otherwise provided in the Contract Documents, Owner shall issue all communications to Contractor through Engineer.
- B. Owner shall make payments to Contractor as provided in this Contract.
- C. Owner shall provide the Site and easements required to construct the Project.
- D. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.
- E. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

- F. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, unless stated elsewhere in the Contract Documents, Owner shall have sole authority and responsibility for such coordination.
- G. Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or for related safety precautions and programs, or for any failure of Contractor to comply with laws and regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

## **ARTICLE 9—ENGINEER'S STATUS DURING CONSTRUCTION**

- 9.01 Engineer's Status
  - A. Engineer will be Owner's representative during construction.
  - B. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility, or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, its subcontractors, suppliers, or sureties, or to any employee or agent of any of them.
  - C. Engineer will make visits to the Site at intervals appropriate to the various stages of construction. Engineer will not be required to make exhaustive or continuous inspections to check the quality or quantity of the Work.
  - D. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or for related safety precautions and programs, or for any failure of Contractor to comply with laws and regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

#### ARTICLE 10—CHANGES IN THE WORK

- 10.01 Authority to Change the Work
  - A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work.
- 10.02 Change Orders
  - A. Owner and Contractor shall execute appropriate Change Orders covering:
    - 1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
    - 2. Changes in the Work which are: (a) ordered by Owner or (b) agreed to by the parties or (c) resulting from the Engineer's decision, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise), or other engineering or technical matters; and

- 3. Changes in the Contract Price or Contract Times or other changes which embody the substance of any final binding results under Article 12.
- B. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.
- 10.03 Work Change Directive
  - A. A Work Change Directive may be issued to Contractor ordering an addition, deletion, or revision in the Work. A Work Change Directive will not change the Contract Price or Contract Times, but is evidence that the parties expect that the modification ordered or documented by the Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on Contract Price or Contract Times.

## 10.04 Field Orders

- A. Engineer may issue a Field Order to authorize minor changes in the Work, provided that the changes do not involve an adjustment in the Contract Price or Contract Times.
- B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then Contractor shall request such adjustment before proceeding with the Work.

## ARTICLE 11—DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS

#### 11.01 Differing Site Conditions Process

- A. If Contractor believes that any subsurface or physical condition (including but not limited to utilities or other underground facilities) that is uncovered or revealed at the Site either (1) differs materially from that shown or indicated in the Contract Documents, or (2) is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract Documents, then Contractor shall promptly notify Owner and Engineer about such condition. Contractor shall not further disturb such condition or perform any Work in connection with the condition (except with respect to an emergency) until receipt of authorization to do so.
  - 1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if Contractor knew of, or should have known of, the existence of the condition prior to entry into the Contract.
- B. After receipt of notice regarding a possible differing subsurface or physical condition, Engineer will promptly:
  - 1. Review the condition in question;

- 2. Determine if it is necessary for Owner to obtain additional exploration or tests with respect to the condition;
- 3. Determine whether the condition falls within one of the two differing site condition categories described in Paragraph 11.01.A.;
- 4. Obtain any pertinent cost or schedule information from Contractor;
- 5. Advise Owner of Engineer's findings, conclusions, and recommendations, including recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question, the need for any change in the Drawings or Specifications, and possible Contract Price or Contract Times adjustments.
- C. After receipt of Engineer's findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part, and granting any equitable adjustment in Contract Times or Contract Price to which Contractor is entitled.

## ARTICLE 12—CLAIMS AND DISPUTE RESOLUTION

- 12.01 Claims Process
  - A. The party submitting a claim shall deliver it directly to the other party to the Contract and the Engineer promptly (but in no event later than 30 days) after the start of the event giving rise thereto.
  - B. The party receiving a claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the claim through the exchange of information and direct negotiations. All actions taken on a claim must be stated in writing and submitted to the other party.
  - C. If efforts to resolve a claim are not successful, the party receiving the claim may deny it by giving notice of denial to the other party. If the receiving party does not take action on the claim within 45 days, the claim is deemed denied.
  - D. If the dispute is not resolved to the satisfaction of the parties, Owner or Contractor shall give notice to the other party of the intent to submit the dispute to a court of competent jurisdiction unless the Owner and Contractor both agree to an alternative dispute resolution process.

#### **ARTICLE 13—TESTS AND INSPECTIONS; CORRECTION OF DEFECTIVE WORK**

#### 13.01 *Tests and Inspections*

A. Owner and Engineer will have access to the Site and the Work at reasonable times for observation, inspection, and testing. Contractor shall provide proper and safe conditions for such access.

Page 14 of 22

- B. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
- C. Except as otherwise provided in the Contract Documents, Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required: (1) by the Contract Documents; (2) by codes, laws, or regulations; (3) to attain Owner's and Engineer's acceptance of materials or equipment; and (4) to obtain Engineer's approval prior to purchase of materials, mix designs, or equipment.
- D. If any Work that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense.

## 13.02 Defective Work

- A. Contractor warrants that the Work is not defective.
- B. Engineer has the authority to determine whether Work is defective, and to reject defective Work.
- C. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.
- D. The Contractor shall promptly correct all defective Work.
- E. When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's warranty and guarantee on said Work.
- F. If the Work is defective or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated.

# **ARTICLE 14—PAYMENTS TO CONTRACTOR**

- 14.01 *Progress Payments* 
  - A. Contractor shall prepare a schedule of values that will serve as the basis for progress payments. The schedule of values will be in a form acceptable to Engineer. Lump sum items will be broken into units that allow for measurement of Work in progress. For unit price work, the unit price breakdown in Article 5 will be used as the schedule of values.

#### 14.02 *Applications for Payments*

- A. Contractor shall submit signed applications for payment to Engineer monthly, in a form acceptable to the Engineer. Contractor shall provide supporting documentation required by the Contract Documents. Owner will pay for Work completed as of the date of the application for payment.
- B. Beginning with the second application for payment, each application must include an affidavit of Contractor stating that all previous progress payments have been applied to discharge Contractor's obligations associated with the prior applications for payment.

#### 14.03 Retainage

A. The Owner shall retain **10**% of each progress payment until the Work is substantially complete.

#### 14.04 *Review of Applications*

- A. Within 10 days after receipt of each application for payment, Engineer will either recommend payment and present the application for payment to Owner, or return the application for payment to Contractor indicating Engineer's reasons for refusing to recommend payment. The Contractor will make the necessary corrections and may resubmit the application for payment.
- B. Engineer will recommend reductions in payment (set-offs) which, in the opinion of the Engineer, are necessary to protect Owner from loss because the Work is defective and requires correction or replacement.
- C. The Owner is entitled to impose set-offs against payment based on any claims that have been made against Owner, or any incurred costs, losses, or damages, on account of Contractor's conduct in the performance of the Work; for defective Work; or for liquidated damages that have accrued as a result of Contractor's failure to complete the Work.

#### 14.05 Contractor's Warranty of Title

A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than 7 days after the time of payment by Owner.

#### 14.06 Substantial Completion

- A. When Contractor considers the Work ready for its intended use, Contractor shall request that Engineer issue a certificate of substantial completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.
- B. Promptly after Contractor's request, Engineer will inspect the Work with Owner and Contractor to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor and Owner of the reasons for Engineer's decision.
- C. If Engineer considers the Work substantially complete, or upon resolution of all reasons for non-issuance of a certificate, Engineer will deliver to Owner and Contractor a certificate of substantial completion that will fix the date of substantial completion and include a punch list of items to be completed or corrected before final payment.

#### 14.07 Final Inspection

A. Upon notice from Contractor that the entire Work is complete, Engineer will promptly make a final inspection with Owner and Contractor, and will notify Contractor of all particulars in which this inspection reveals that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work and remedy such defects.

#### 14.08 Final Payment

- A. Contractor may make application for final payment after satisfactorily completing all Work, including providing all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents, and other documents.
- B. The final application for payment must be accompanied (except as previously delivered) by:
  - 1. All documentation called for in the Contract Documents;
  - 2. Consent of the surety to final payment;
  - 3. Satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any liens or other title defects, or will so pass upon final payment;
  - 4. A list of all pending claims; and
  - 5. Complete and legally effective releases or waivers (satisfactory to Owner) of all lien rights arising out of the Work, and of liens filed in connection with the Work.
- C. The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment and issuance of notice of the acceptability of the Work.
- 14.09 Waiver of Claims
  - A. By making final payment, Owner waives its claim or right to liquidated damages or other damages for late completion by Contractor, except as set forth in an outstanding claim, set-off, or express reservation of rights by Owner. Owner reserves all other claims or rights after final payment.
  - B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted as a claim.

#### ARTICLE 15—SUSPENSION OF WORK AND TERMINATION

- 15.01 Owner May Suspend Work
  - A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 60 consecutive days by notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or Contract Times, to the extent directly attributable to any such suspension.

#### 15.02 Owner May Terminate for Cause

- A. Contractor's failure to perform the Work in accordance with the Contract Documents or other failure to comply with a material term of the Contract Documents will constitute a default by Contractor and justify termination for cause.
- B. If Contractor defaults in its obligations, then after giving Contractor and any surety 10 days' notice that Owner is considering a declaration that Contractor is in default and the termination of the Contract, Owner may proceed to:

- 1. Declare Contractor to be in default, and give Contractor and any surety notice that the Contract is terminated; and
- 2. Enforce the rights available to Owner under any applicable performance bond.
- C. Owner may not proceed with termination of the Contract under Paragraph 15.02.B if Contractor within 7 days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- D. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
- E. In the case of a termination for cause, if the cost to complete the Work, including related claims, costs, losses, and damages, exceeds the unpaid contract balance, Contractor shall pay the difference to Owner.
- F. If Contractor has provided a performance bond, the provisions of that bond will govern over any inconsistent provisions of Paragraph 15.02.
- 15.03 *Owner May Terminate for Convenience* 
  - A. Upon 7 days' notice to Contractor, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for the following, without duplication of any items:
    - 1. Completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, less any set-offs, and including fair and reasonable sums for overhead and profit on such Work;
    - 2. Expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
    - 3. Other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.
  - B. Contractor shall not be paid for any loss of anticipated profits, or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.
- 15.04 Contractor May Stop Work or Terminate
  - A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 60 consecutive days by Owner or under an order of court or other public authority, or (2) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days' notice to Owner, and provided Owner does not remedy such suspension or failure within that time, either stop the Work until payment is received, or terminate the Contract and recover payment from the Owner.

#### **ARTICLE 16—CONTRACTOR'S REPRESENTATIONS**

- 16.01 Contractor Representations
  - A. Contractor makes the following representations when entering into this Contract:
    - 1. Contractor has examined and carefully studied the Contract Documents.
    - 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
    - 3. Contractor is familiar with all laws and regulations that may affect cost, progress, and performance of the Work.
    - 4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been provided to Contractor, with respect to the technical data in such reports and drawings.
    - 5. Contractor has carefully studied the reports and drawings relating to hazardous environmental conditions, if any, at or adjacent to the Site that have been provided to Contractor, with respect to technical data in such reports and drawings.
    - 6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; and the Contract Documents, with respect to the effect of such information and observations on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
    - 7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
    - 8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
    - 9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
    - 10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
    - 11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that, without exception, all prices in the Contract are premised upon performing and furnishing the Work required by the Contract Documents.

# ARTICLE 17—MISCELLANEOUS

- 17.01 Giving Notice
  - A. Whenever any provision of the Contract Documents requires the giving of notice to Owner, Engineer, or Contractor, such notice must be in writing, and delivered in person (by commercial courier or otherwise); by registered or certified mail; or by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.
- 17.02 Cumulative Remedies
  - A. The duties and obligations expressly imposed by this Contract, and the rights and remedies expressly available to the parties under this Contract, are in addition to, and are not to be construed in any way as a limitation of, any duties, obligations, rights, or remedies otherwise imposed or available by laws or regulations, by warranty or guarantee, or by other provisions of the Contract.

#### 17.03 Limitation of Damages

A. Neither Owner, Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

## 17.04 No Waiver

A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.

#### 17.05 Survival of Obligations

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.

#### 17.06 Contractor's Certifications

A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or entering into the Contract.

# 17.07 Controlling Law

A. This Contract is to be governed by the law of the state in which the Project is located.

# 17.08 Audit

A. If the amount of Contractor's invoices for any calendar year under this Agreement exceeds \$100,000, Contractor agrees to permit Owner or its representatives, upon reasonable notice and during normal business hours at Owner's cost and expense, to examine, make copies of and audit records and all items related to amounts invoiced to Owner pursuant to this Agreement for a period of 24 months following the date of the corresponding invoice. Any audit under this section will be limited to books and records of Contractor which relate to the amounts invoiced by Contractor to Owner and will be limited to a period of 24 months.

#### 17.09 Conflict of Interest

A. Contractor understands that Owner maintains comprehensive policies and procedures for its employees, including policies prohibiting employees from engaging in activities that could create even the appearance of a conflict of interest. Contractor acknowledges the existence of such policies and procedures and affirmatively represents that Contractor will take no actions to induce employees to violate such policies.

The Effective Date of the Contract is November 15, 2024.

Floyd Construction Inc.         (typed or printed name eferganization)       [typed or printed name eferganization)         By:	Owner:	Contractor:			
By:       Individual's signature)         Date:       I/I/IST/24/         Date:       I/I/IST/24/         Date:       III-15-24         (dade signed)       Date:         Name:       QARGES I. EASON         (lyped or printed)       (lyped or printed)         Title:       President         (lyped or printed)       (lyped or printed)         Itle:       Itle:         (lndividual's signature)       (lif Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)         Attest:       (individual's signature)         (individual's signature)       Title:         (individual's signature)       (individual's signature)         Title:       (individual's signature)         (individual's signature)       Title:         (individual's signature)       (individual's signature)         Title:       (individual's signature)         Address for giving notices:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Name:         Name:       Mike Floyd         (typed or printed)       (typed or printed)         Title:       Project Manager         (typed or printed)	Great Basin Water Co.	Floyd Construction Inc.			
Date:       11/15-24         Name:       Upped or printed)         (date signed)       Name:         (lyped or printed)       (lyped or printed)         Title:       Title:         President       (lyped or printed)         (lipped or printed)       (lyped or printed)         (lyped or printed)       (lyped or printed)         (lipped or printed)       (lyped or printed)         Attest:       (individual's signature)         (lipped or printed)       Attest:         (lupped or printed)       (lyped or printed)         Address for giving notices:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Name:         Mark Windholz       Name:         (lyped or printed)       (lyped or printed)         (lyped or printed)       (lyped or printed)         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pasinger         Ittle:       President         (lyped or printed)       (lyped or printed)         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         mark.windho	(typed or printed name of organization)	(typed or printed name of organization)			
Date:       11/15-24         Name:       Upped or printed)         (date signed)       Name:         (lyped or printed)       (lyped or printed)         Title:       Title:         President       (lyped or printed)         (lipped or printed)       (lyped or printed)         (lyped or printed)       (lyped or printed)         (lipped or printed)       (lyped or printed)         Attest:       (individual's signature)         (lipped or printed)       Attest:         (lupped or printed)       (lyped or printed)         Address for giving notices:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Name:         Mark Windholz       Name:         (lyped or printed)       (lyped or printed)         (lyped or printed)       (lyped or printed)         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pasinger         Ittle:       President         (lyped or printed)       (lyped or printed)         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         mark.windho	By: James Com	By: Mike Floyd			
Name:       Uames 1.       (date signed)         Name:       Usped or printed)       Name:       Mike Floyd         Title:       Title:       President       (typed or printed)         Attest:       (individual's signature)       Title:       President         (individual's signature)       (individual's signature)       (individual's signature)         Title:       (individual's signature)       Title:       (individual's signature)         Attest:       (individual's signature)       (individual's signature)         Title:       (typed or printed)       Attest:       (individual's signature)         Address for giving notices:       1201 S Hwy 160, STE 100       Pahrump NV 89048         Designated Representative:       Designated Representative:       Name:       Mike Floyd         Name:       Mark Windholz       Name:       Mike Floyd       (iyped or printed)         Title:       Project Manager       Title:       President       (iyped or printed)         Address:       1201 S Hwy 160, STE 100       Pahrump NV. 89048       Pahrump NV. 89048         Phone:       775-209-4908       Pahrump , NV 89048       Pahrump , NV 89048         Phone:       775 727 5606       Email:       mikefloyd@floydconstruction.com	(individual's signature)	(individual's ggnature)			
Name:       UARDES T. EASON (typed or printed)       Name:       Mike Floyd (typed or printed)         Title:       Title:       President (typed or printed)         Attest:       (individual's signature)         Title:       (individual's signature)         Title:       (typed or printed)         Attest:       (individual's signature)         Title:       (typed or printed)         Address for giving notices:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mike Floyd         (typed or printed)       Address:         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Name:         Mark Windholz       Name:         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Phone:       775 727 5606         Email:       mark.windholz@nexuswg.com         (Agreement.)       Uicense No.:	Date:				
(typed or printed)       (typed or printed)         Title: <u>President</u> (typed or printed)       (typed or printed)         Attest:       (typed or printed)         (individual's signature)       (typed or printed)         Title:       (individual's signature)         Title:       (typed or printed)         Attest:       (individual's signature)         Title:       (typed or printed)         Address for giving notices:       Address for giving notices:         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       (typed or printed)         Address:       1201 S Hwy 160, STE 100         Title:       President         (typed or printed)       (typed or printed)         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         Phone:       775-727 5606         Email:       mark.windholz@nexuswg.com         Kares No.:       0019891 -	(date signed)	(date signed)			
Title:       President (typed or printed)         Title:       President (typed or printed)         Attest:       (individual's signature)         Title:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Name:         Name:       Mike Floyd         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         Phone:       775 727 5606         Email:	Name: CAMES T. EASON				
(typed or printed)       (typed or printed)         (typed or printed)       (lf Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)         Attest:	(typed or printed)	(typed or printed)			
(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)         Attest:	Title: TRESIDENT				
[Individual's signature]       (individual's signature)         Title:       (typed or printed)         Address for giving notices:       (typed or printed)         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       (typed or printed)         Title:       Project Manager         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phones:       775-209-4908         Fmail:       mark.windholz@nexuswg.com         (Agreement.)       Q019891 - A General Engineering (where applicable)	(typed or printed)	(If Contractor is a corporation, a partnership, or a joint			
Title:       (typed or printed)         Address for giving notices:       (typed or printed)         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       Rike Floyd         (typed or printed)       (typed or printed)         Title:       Project Manager         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Phone:       775 727 5606         Email:       mark.windholz@nexuswg.com         (Agreement.)       Q019891 - A General Engineering (where applicable)	Attest:	Attest:			
(typed or printed)       (typed or printed)         Address for giving notices:       Address for giving notices:         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       (typed or printed)         Title:       Project Manager         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Q019891 - A General Engineering (where applicable)	(individual's signature)	(individual's signature)			
Address for giving notices:       Address for giving notices:         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       Name:         Title:       Project Manager         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Uicense No.:         0019891 - A General Engineering (where applicable)	Title:	Title:			
1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       Name:         Mike Floyd       (typed or printed)         Title:       Project Manager         (typed or printed)       Title:         Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Q19891 - A General Engineering (where applicable)					
Pahrump NV. 89048       Pahrump , NV 89048         Designated Representative:       Designated Representative:         Name:       Mark Windholz         Image:       Mark Windholz         Itle:       Project Manager         Itle:       Project Manager         Itle:       Project Manager         Itle:       Project Manager         Itle:       President         Itle:       Pahrump , NV 89048         Phone:       775 727 5606         Email:       mark.windholz@nexuswg.com         (Agreement.)       Uicense No.:       0019891 - A General Engineering (where applicable)	Address for giving notices:	Address for giving notices:			
Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       Name:         Title:       Project Manager         (typed or printed)       Title:         Address:       1240 E. State St. Suite 115         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Uicense No.:         (Agreement.)       0019891 - A General Engineering (where applicable)	1240 E. State St. Suite 115	1201 S Hwy 160, STE 100			
Designated Representative:       Designated Representative:         Name:       Mark Windholz         (typed or printed)       Name:         Title:       Project Manager         (typed or printed)       Title:         Address:       1240 E. State St. Suite 115         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Uicense No.:         (Agreement.)       0019891 - A General Engineering (where applicable)	Pahrump NV. 89048	Pahrump , NV 89048			
Name:       Mark Windholz       Name:       Mike Floyd         (typed or printed)       (typed or printed)       (typed or printed)         Title:       Project Manager       Title:       President         (typed or printed)       Address:       (typed or printed)         Address:       Address:       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Uicense No.:       0019891 - A General Engineering (where applicable)					
(typed or printed)       (typed or printed)         Title:       Project Manager (typed or printed)       Title:       President (typed or printed)         Address:       Address:       1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048       Pahrump , NV 89048         Phone:       775-209-4908 mark.windholz@nexuswg.com       Phone:       775 727 5606 Email:         (Agreement.)       License No.:       0019891 - A General Engineering (where applicable)	Designated Representative:	Designated Representative:			
(typed or printed)       (typed or printed)         Title:       Project Manager (typed or printed)       Title:       President (typed or printed)         Address:       Address:       1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048       Pahrump , NV 89048         Phone:       775-209-4908 mark.windholz@nexuswg.com       Phone:       775 727 5606 Email:         (Agreement.)       License No.:       0019891 - A General Engineering (where applicable)	Name: Mark Windholz	Name: Mike Flovd			
(typed or printed)       (typed or printed)         Address:       Address:         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       License No.:         0019891 - A General Engineering (where applicable)					
(typed or printed)       (typed or printed)         Address:       Address:         1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       License No.:         0019891 - A General Engineering (where applicable)	Title: Project Manager	Title: President			
1240 E. State St. Suite 115       1201 S Hwy 160, STE 100         Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       License No.:       0019891 - A General Engineering (where applicable)		(typed or printed)			
Pahrump NV. 89048       Pahrump , NV 89048         Phone:       775-209-4908         Email:       mark.windholz@nexuswg.com         (Agreement.)       Email:         (Agreement.)       D019891 - A General Engineering (where applicable)	Address:	Address:			
Phone:       775-209-4908       Phone:       775 727 5606         Email:       mark.windholz@nexuswg.com       Email:       mikefloyd@floydconstruction.com         (Agreement.)       License No.:       0019891 - A General Engineering (where applicable)	1240 E. State St. Suite 115	1201 S Hwy 160, STE 100			
Phone:       775-209-4908       Phone:       775 727 5606         Email:       mark.windholz@nexuswg.com       Email:       mikefloyd@floydconstruction.com         (Agreement.)       License No.:       0019891 - A General Engineering (where applicable)	Pahrump NV. 89048	Pahrump , NV 89048			
Email:       mark.windholz@nexuswg.com       Email:       mikefloyd@floydconstruction.com         (Agreement.)       License No.:       0019891 - A General Engineering         (where applicable)       (where applicable)	<u></u>				
(Agreement.) License No.: 0019891 - A General Engineering (where applicable)	Phone: 775-209-4908	Phone: 775 727 5606			
(Agreement.) License No.: 0019891 - A General Engineering (where applicable)	Email: mark.windholz@nexuswg.com	Email: mikefloyd@floydconstruction.com			
(where applicable)					
State: <u>Nevada</u>	(Agreement.)				
		State: Nevada			

EJCDC<sup>®</sup> C-522, Contract for Construction of a Small Project.

Copyright<sup>©</sup> 2018 National Society of Professional Engineers, American Council of Engineering Companies,

and American Society of Civil Engineers. All rights reserved.

Page 22 of 22

#### GREAT BASIN WATER CO. – PAHRUMP DIVISION (PRODUCTION WELL 10 PROJECT)

#### BID PROPOSAL WITH TECHNICAL PROVISIONS AND SPECIFICATIONS

Great Basin Water Co. – Pahrump Division Attention Mr. Mark Windholz 1240 East State Street; Suite 115 Pahrump, Nevada 89048

Members:

I (we) hereby submit our bid for the GREAT BASIN WATER CO. - PRODUCTION WELL 10 in Pahrump, Nevada.

In compliance with your invitation for Bids and Instructions to Bidders, the undersigned as Bidder declares that he has carefully examined the location of the proposed work and the Design and Specifications therefore, together with addenda numbered <u>None</u> and I (we) propose and agree that if this proposal is accepted, I (we) will contract with Great Basin Water Co. – Pahrump Division to provide all necessary labor, machinery, tools, apparatus, and other means of construction, and do all the work and furnish all the materials required to construct the project, complete and in a satisfactory manner at the prices stated in the bid proposal.

Construction shall be in strict conformity with the Design, Specifications, and contract documents prepared herewith, which hereby are made a part of this proposal.

The Bidder understands that the following quantities are approximate, only being given as a basis for the comparison of Proposals; and that GBWC does not expressly or by implication agree that the actual amount of work will correspond there with but reserves the right to increase or decrease the amount of work as may be deemed necessary or advisable by the Consultant.

Mee Fugel

8/23/24

Signature

Date

1

#### Pahrump Production Well 10

# **PROJECT COST & WARRANTY FORM**

#### Gentlemen:

The undersigned proposer declares that they have examined the Request for Proposal and Scope of Work. Is fully informed in regard to all the terms and conditions pertained thereto and agrees to perform all of the work associated with the Pahrump New Production Well located in Pahrump, NV, as described in the Scope of Work contained in the RFP: PD-2022-10-08.

#### **New Production Well 10**

Description	Est. Qty.	U/M	Unit Price	Total
Task 1: Mobilization/Demobilization of equipment & materials including site restoration (not to exceed 10% of total project cost).	1	LS	\$13,500	\$13,500
Task 2: Permits (Federal, State, County). <b>(GBWC to</b> obtain)	1	LS	\$0	\$0
Task 3: Site Preparation and grading.	1	LS	\$42,250	\$42,250
Task 4: Furnish and Install Pumping System	1	LS	\$66,000	\$66,000
Task 5: Furnish and Install Well Head Assembly with an 8-inch Discharge.	1	LS	\$12,500	\$12,500
Task 6: Furnish and Install Materials for Discharge Assembly with Appurtenances	1	LS	\$88,000	\$88,000
Task 7: Furnish and Install Materials for Pump to Waste Assembly with Appurtenances and Piping	1	LS	\$42,000	\$42,000
Task 8: Furnish and Install 6' Tall Chain Linked Security Fencing. (GBWC to install)	270	LF	\$0	\$0
Task 9: Furnish and Install Rolling Security Fence Gate (GBWC to install)	2	EA	\$0	\$0
Task 10: Chlorine Storage Structure	1	LS	\$95,650	\$95,650
Task 11: Furnish and Install Electrical Fixtures, Equipment, Components, & Generator Set	1	LS	\$335,000	\$335,000
Task 12: Furnish and Install 4" Reduced Pressure Principal Assembly	1	LS	\$39,500	\$39,500
Task 13: Furnish and Install Removable Bollard	6	EA	\$2,000	\$12,000
Task 14: Miscellaneous Piping, Fittings and Appurtenances	1	LS	\$16,500	\$16,500
Task 15: Abandonment and Demolition of Existing Irrigation piping	1	LS	\$13,500	\$13,500
Task 16: Performance and Payment Bond	1	EA	\$23,275	\$23,275
Project Total:				

Please include all proposed warranty and guarantee information below:

#### 90 Day Parts ( unless Manufacturer is greater )

# 1 Year Labor

I verify that all information contained herein is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this Proposal on behalf of the organization as its act and deed that the organization is ready, willing, and able to perform if awarded the contract.

I further certify that this Proposal is made without prior understanding, agreement, connection, discussion, or collusion with any other person, firm or corporation submitting a proposal for the same product or service; no officer, employee or agent of Corix Group of Companies; and that I, the undersigned, executed this certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

The Proposer agrees that this Proposal shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving proposals.

Respectfully submitted,

Mike Floyd

Contractor (Signature)

Mike Floyd Contractor (Print Name)

Title: President

Date: 9-19-24

Address:

By:

1201 S Hwy 160, STE 100

Pahrump , NV 89048

Business License No. NV19811011892 - Nevada

F 100 CC - Town of Pahrump

GBWC\_2024 Rate Case\_Vol. 5, Page 288 of 389

## **BID ITEM CLARIFICATION**

## **GENERAL INFORMATION**

Unless indicated otherwise within the specific bid item as described in this section, the Engineer's estimated quantity, as contained in the bid schedule, shall be the final pay quantity.

The Engineer's estimated quantity, as contained in the bid schedule, is based on the details and dimensions shown on the plans and no guarantee is made that the quantity, which can be determined by computations, will equal the estimated quantity. No allowance will be made in the event that the quantity based on computations does not equal the estimated quantity.

In case of discrepancy between the quantity contained in the bid schedule and the quantity or summation of quantities for the same item shown on the plans, payment will be based on the quantity contained in the bid schedule.

If the quantity of a particular item of work is intentionally increased or decreased during construction, the final pay quantity of that item will be adjusted to reflect the change.

There shall be no additional payment for changes in the traffic control plan required as a result of changes in the Contractor's work method or schedule.

## **BID SCHEDULE**

# BID ITEM 1 – Mobilization/Demobilization of Equipment & Materials including site restoration

Work to be performed under this item shall consist of mobilization, demobilization, and cleanup. Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of all offices, buildings and other facilities necessary for work on the project; temporary power, water, sanitation facilities, and signage; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site. Demobilization shall consist of all preparatory work and operations to remove all the facilities and personnel included in Mobilization. Cleanup shall consist of neatly finishing the entire construction area after all the work indicated on the Plans and Specifications is completed and before final acceptance of the project.

## 1: Payment

Payment for Bid Item No. 1 will be made as follows:

- A. When the monthly partial payment estimate of the amount earned, not including the amount earned for Item No. 1, is 10 percent or more of the original contract amount, 70 percent of Item No. 1 will be included in said estimate for payment.
- B. When the monthly partial payment estimate of the amount earned, not including the amount earned for Item No. 1, is 100 percent or more of the original contract amount, 100

percent of Item No. 1 will be included in said estimate for payment.

## BID ITEM 2 – Permits (State, County & SCA County)

The CONTRACTOR shall comply with the requirements of all city, county, state and federal laws, whether or not stated herein, having specific control over this type of construction and operation.

Meet all federal, state, and local pollution control regulations for all work performed under this contract. No lime, wet concrete, petroleum products, silt, organic material, or other deleterious materials are allowed to fall, flow, leach, or otherwise enter public waters.

Observe all statues, ordinances, and regulations pertaining to the prevention of environmental pollution and the preservation of public natural resources. All such statutes, ordinances, regulations, or portions thereof pertaining to work performed under this contract are hereby incorporated with and made a part of this contract.

The CONTRACTOR shall be aware of these provisions and coordinate with the specific controlling agencies.

The CONTRACTOR shall furnish all bonds and insurance required by the controlling agencies and shall, if requested, pay for any inspections and testing accomplished or furnished by them.

#### PERMITS:

- A. The CONTRACTOR shall obtain the following permits:
  - 1. All permits required by regulatory agencies, if any, including but not limited to:
    - a. Storm Water Pollution Prevention Plan (SWPPP), if required;

i) The contractor shall adhere to all local, State and Federal regulations. The contractor shall follow all NDEP (Nevada Department of Environmental Protection) construction/ permit requirements and submit a BMP (Best Management Practices) Plan to NDEP for approval prior to construction. All modifications to an approved BMP Plan must be approved by NDEP prior to implementation.

- b. Dust Control Plan.
- Local permits which may be required, but may not be limited to these include:
   a. Nye County Right-of-Way Encroachment Permit;
  - b. Nye County Building and Safety Division permit (Includes Electrical);

c. Any other permits required by State, County and Local regulatory agencies not specifically identified here.

B. The CONTRACTOR shall furnish all bonds and insurance required by the controlling agencies, and shall, if requested, pay for any inspection and testing accomplished or furnished by them.

C. All work performed within the jurisdiction of the controlling agencies, such as river banks and public waters, including restoration of surfaces, opening, and closing of excavations and other work which could affect the hydraulics or fish life of the receiving waters, shall conform to the requirements and regulations of the various controlling agencies, and shall be subject to their approval. The CONTRACTOR shall coordinate all work with the controlling agencies.

2: Payment

Payment for Bid Item 2 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## **BID ITEM 3 – Site Preparation and Grading**

This bid item includes all labor, materials, tools, and equipment required for clearing, grubbing, and disposal offsite of obstructions such as rocks, brush, vegetation, debris, and miscellaneous structures as necessary for preparation of the site.

This bid item also includes all labor, materials, tools, and equipment required for the movement, cut, fill, placement, and compaction of soils for the site and for the preparation of the subgrade for the discharge assembly concrete slab, well house concrete slab and other facilities requiring loading over the soils as required in the plans and specifications.

- 3.1 Work included in this section shall include furnishing of all materials and labor necessary to complete earthwork as indicated, specified herein or on the Plans. The work of this section includes, but is not necessarily limited to, the following:
  - 1. Stripping and clearing.
  - 2. Scarifying and re-compaction of native soils.
  - 3. Excavation for footings.
  - 4. Engineered fill and backfill.
  - 5. Base fill under slabs on grade.
  - 6. Finish site grading.
  - 7. Temporary site drainage.
  - 8. Dust control.
  - 9. Quality control.
  - 10. Pads for all concrete slabs

## 3.2 Payment

Payment for Bid Item 3 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## BID ITEM 4 – Furnish and Install Pumping System.

Work performed under this item shall consist of furnishing all equipment, labor, materials, required to install a newly functional pumping system in the new well. All equipment must be

NSF-61 certified and lead-free.

- 4.1 Major Materials
  - ï Submersible Turbine Pump (Grundfos Model 1100S1000-3AA, 3-Stage, AA impeller trim or Approved equal, submersible pump);
  - ï Submersible Motor (Grundfos Electric 100 Hp, 460 volt, 3-phase, 60 Hz, 8-inch diameter);
  - ï Submersible Pump Cable (75° C Insulation, 3 –wire w/ ground, 00 AWG Copper Wire Size Neoprene-covered);
  - i Electrical Conduit and Wire for Power Feed to Well Head
  - ï In-Line Check Valve (304/304L Stainless Steel, Threaded, or equal)
  - ï Disconnect Box (NEMA 3, weather tight)
  - ï Column Pipe (New 8-Inch pipe, threaded and collars)
  - i Any Ancillary materials not mentioned for complete properly functioning submersible pumping system.

The pumping system shall be installed with an intake depth of approximately 145-feet deep inside the nominal 10" well casing.

4.2 Payment

Payment for Bid Item 4 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, installation, traffic control, equipment, and incidentals necessary to complete the work as specified.

## BID ITEM 5 - Furnish and Install Well Head Assembly with an 8-inch Discharge.

5.1 Discharge Head Dimensions

Casing Diameter, inch	10"	
Bury Depth	N/A	
Accessories	Passage for two (2) 1" PVC Sounding Tubes	
Discharge Connection Size, inch	8" 150# flange for a RFCA	
Materials	Heavy duty gray iron, ductile iron, or steel. All water passages shall be NSF- 61 Certified for Potable Water	

## 5.2 Payment

Payment for Bid Item 5 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## BID ITEM 6 – Furnish and Install Materials for Discharge Assembly with Appurtenances

Work performed under this item shall consist of furnishing all equipment, labor and materials, required to install a newly functional well discharge assembly which includes, and is not limited to, concrete support pad, all piping, fittings, restraints, restrained flange coupling adapters, transition couplings, NPT fittings and adapters, ball valves, outside stem and yoke gate valves, and appurtenances, air release valve assemblies, check valves, saddles, injections quills, companion flanges, gaskets, cam-lock discharge piping flush assembly, pressure transmitter assembly, 8" mag meter, pipe supports, thrust blocks, poly wrap, and 10" hot tap assembly with tapping valve. Pay limits include all components between 8-inch well head assembly, the 8" pump to waste assembly and up to and including the 10" C-900 PVC Water Interconnection.

Bid item includes disinfection and pressure testing of all piping per technical section of Contract Documents.

Bid item includes buried piping and fitting installation, excavation, pipe bedding, pipe and fitting wrapping and taping, tracer wire and caution tape installation, removal and disposal of rock regardless of size, trench backfill, import and/or screening of bedding and backfill material, compaction and compaction testing and surface restoration.

All materials and equipment in contact with municipal water must be NSF 61 Certified for municipal water. <u>CONTRACTOR shall provide all incidental items including, but not limited to, gaskets, bolt kits, reducers, adapters, couplings, unions, transition fittings, small diameter piping and elbows, short lengths of piping, and any additional components as needed to assemble the pipe and fittings per the contract documents.</u>

A partial list of the major materials for Bid Item 6 includes:

- ï 8-inch restrained ductile iron pipe, Flange x Plain End; specific lengths provided
- ï 8-inch restrained ductile iron pipe, Flange x Flange; specific lengths provided
- i 8-inch PVC C-900; specific lengths provided
- i 8-inch RFCA; see plans for specific quantities
- i 2-inch combination air release valve assembly, NSF-61 & Lead-free; see plans for specific quantities
- i 8-inch non-slam "silent" globe check valve; see plans for specific quantities
- i Adjustable pipe supports; see plans for specific quantities
- ï 8" 45 deg bend, Flange; see plans for specific quantities
- i 8" Endress + Hauser Promag Mag Meter; see plans for specific quantities
- i Safe-T-Flo EB Series 3/8" Injection Quill Assembly; see plans for specific quantities
- ï 8" Tee, Flange x Flange; see plans for specific quantities
- i 8-inch outside stem and yoke gate valve, Flange; see plans for specific quantities
- i Pressure Transducer Assembly; see plans for specific quantities
- i 3-inch cam hose discharge piping flush assembly; see plans for specific quantities
- ï 8" 22.5 deg bend, mechanical joint with restraints; see plans for specific quantities
- i 1-inch meter assembly and service tap; see plans for specific quantities
- i 10-inch X 8-inch 304 stainless steel tapping sleeve with resilient wedge gate valve

## 6.1 Payment

Payment for Bid Item 6 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

# BID ITEM 7 – Furnish and Install Materials for Pump to Waste Assembly with Appurtenances and Piping

Work performed under this item shall consist of furnishing all equipment, labor and materials, required to install a fully functional well pump to waste discharge assembly which includes, and is not limited to, concrete splash pad including rebar and expansion joint material; 48-inch precast manhole components including base, barrel, grate and rim; Splash basin including excavation, compaction, furnishing and installing geotextile and riprap; EPDM "duckbill" check valve; all piping, fittings, restraints, restrained flange coupling adapters, transition couplings, gate valves, valve boxes and valve risers, and appurtenances, gaskets, pipe supports, and thrust blocks. Pay limits include all components between 8-inch discharge assembly tee up to and including the 8" PVC irrigation pipe interconnection.

Bid item includes disinfection and pressure testing of all piping per technical section of Contract Documents.

Bid item includes buried piping and fitting installation, excavation, pipe bedding, pipe and fitting wrapping and taping, tracer wire and caution tape installation, removal and disposal of rock regardless of size, trench backfill, import and/or screening of bedding and backfill material, compaction and compaction testing and surface restoration.

All materials and equipment in contact with municipal water must be NSF 61 Certified for municipal water. <u>CONTRACTOR shall provide all incidental items including, but not limited to, gaskets, bolt kits, reducers, adapters, couplings, unions, transition fittings, small diameter piping and elbows, short lengths of piping, and any additional components as needed to assemble the pipe and fittings per the contract documents.</u>

## 7.1 Payment

Payment for Bid Item 7 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## BID ITEM 8 – Furnish and Install 6' Tall Chain Linked Security Fencing

Work performed under this item shall consist of furnishing all equipment, labor, materials, required to install chain link fencing, concrete footings, corner posts, line posts, fence cable, top rail, bottom rail, barbed wire, barbed wire extensions/arms, surface restoration and site cleanup. All work performed shall be in accordance with the Contract Documents.

8.1 Payment

Payment for Bid Item 8 shall be made by the linear foot of completed installation as measured along the centerline of the fence including the diameter of the corner posts.

## BID ITEM 9 – Furnish and Install Rolling Security Fence Gate

Work performed under this item shall consist of furnishing all equipment, labor, materials, required to install chain link fence fabric, concrete footings, gate posts, counterbalance posts, gate hanger assembly, catch assembly, track, bottom guide assembly, gap protectors, trucks, catchers, fence cable, top rail, bottom rail, barbed wire, barbed wire extensions/arms, surface restoration and site cleanup. All work performed shall be in accordance with the Contract. Documents.

## 9.1 Payment

Payment for Bid Item 9 shall be made per each of completed gate assembly installation.

## **BID ITEM 10 – Chlorine Storage Structure**

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install Chlorine Storage Structure as shown on the Construction Documents complete and in place including all wood framing, wood shear panels, roofing and roof sheathing, insulation, floor sheathing, wall sheathing, doors, hardware, finishing materials including paint and siding, and mechanical work.

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install the concrete foundation, equipment pad and footings including all excavation and site preparation, compaction, installation of aggregate base, formwork, reinforcing steel, anchor rods, lap splice materials, anchor bolts, and epoxy anchors.

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install plumbing which shall include pipe, pipe, drains, drain hardware, French drain system and appurtenances, pressure reducing valve, ball valves, pex pipe, pvc pipe, air gap drain assembly, emergency eye wash, wall mounted pipe supports, and all incidental items including, but not limited to, gaskets, bolt kits, reducers, adapters, couplings, unions, transition fittings, small diameter piping and elbows, short lengths of piping, and any additional components as needed to assemble the pipe and fittings per the contract documents.

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install HVAC including, but not limited to, window mounted air-conditioning unit with sleeve and mounting hardware, exhaust louver with mounting hardware, and intake ventilation fan with mounting hardware and speed controller.

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install sodium hypochlorite injection tank and appurtenances which shall include chlorine metering pump, 100 gallon dual wall containment tank, turbidimeter with controller, amperometric chlorine total residual analyzer, quick connect hardware, fittings, tubing, air purge, valves, controls, drain piping, Linear Low Density Polyethylene (LLDPE) tubing, injection quill, and all incidental for a complete and functioning sodium hypochlorite

injection system. This bid item includes one full 100-gallon tank of sodium hypochlorite.

## 10.1 Payment

Payment for Bid Item 10 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## BID ITEM 11 – Furnish and Install Electrical Fixtures, Equipment, Components, & Generator Set

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install all electrical equipment, including, but not limited to, concrete pad, panel boards, service entrance, automatic transfer switch, transformers, variable frequency drive assembly, junction boxes, fixtures, rigid and flexible conduit including spares, trenching, connection to utility power supply, Valley Electric improvements, utility transformer pad installation, meters, raceways, electrical vaults where applicable, risers, conductor, lighting, receptacles, generator set, enclosures, building interior and exterior electrical, mounting hardware, slotted channel hardware, grounding, safety equipment, electrical not indicated otherwise under any other bid item and all work detailed in the construction documents and shown in the drawings.

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install a backup generator which shall include excavation, compaction, concrete pad, conduits, structural support and anchorage, electrical connections, one full tank of fuel, sound attenuated enclosure, alarms, SCADA connection provisions, automatic transfer switch, and all other incidentals required for a fully function backup power generator.

## 11.1 Payment

Payment for Bid Item 11 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## BID ITEM 12 – Furnish and Install 4" Reduced Pressure Principal Assembly

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install a Reduced Pressure Principal assembly which includes, and is not limited to, concrete pad; 4" reduced pressure principal assembly, 4" endress + hauser mag meter, all piping, fittings, reducers, restraints, restrained flange coupling adapters, transition couplings, outside rising stem gate valves, gate valves, valve boxes and valve risers, and appurtenances, gaskets, pipe supports, thrust blocks, 4" flush assembly, inline thrust block assembly at existing 10" valve, interconnection to existing 10" potable water, extension of 10" potable water main including vertical offset for conflict, interconnection to and capping of 8" PVC irrigation pipe. Pay limits include all components between and including interconnection to existing 10" gate valve up to and including the 8" PVC irrigation pipe interconnection.

Bid item includes disinfection and pressure testing of all piping per technical section of Contract Documents.

Bid item includes buried piping and fitting installation, excavation, pipe bedding, pipe and fitting wrapping and taping, tracer wire and caution tape installation, removal and disposal of rock regardless of size, trench backfill, import and/or screening of bedding and backfill material, compaction and compaction testing and surface restoration.

## 12.1 Payment

Payment for Bid Item 12 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as specified.

## BID ITEM 13 – Furnish and Install Removable Bollard

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install bollards. Item includes excavation, concrete footing excavation and installation, steel removable bollard with hardware, primer and paint.

## 13.1 Payment

Payment for Bid Item 13 shall be made per each of completed removable bollard installation.

## **BID ITEM 14 – Miscellaneous Piping, Fittings and Appurtenances**

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to the installation of all project piping, fittings, appurtenances and other components required to complete the project as defined in the Construction Documents and Drawings not included in other bid items.

- 14.1 Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install a 2" offline combination air release valve assembly including service tap, corporation stop, valves, PE piping, adapters, concrete pad, enclosure, j vent piping, and 2" combination air release valve.
- 14.2 Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to install a 1" water meter with service tap, including, but not limited to, corporation stop, valves, PE piping, adapters, concrete meter box, and 1" AMR meter assembly, PEX piping inside and outside the chlorine structure, PEX fittings and PEX adapters.
- 14.3 Bid item includes buried piping and fitting installation, excavation, pipe bedding, pipe and fitting wrapping and taping, tracer wire and caution tape installation, removal and disposal of rock regardless of size, trench backfill, import and/or screening of bedding and backfill material, compaction and compaction testing and surface restoration.

## 14.4 Payment

Payment for Bid Item 14 shall be made on a lump sum basis, which shall be deemed full compensation for all labor, materials, and incidentals necessary to complete the work as

specified.

## **BID ITEM 15 – Abandonment and Demolition of Existing Irrigation piping**

Work performed under this item includes furnishing all equipment, labor, materials, and incidentals required to abandon in place the existing irrigation piping between well 10 and the 8" irrigation main. This bid item also includes removal and disposal off site of existing irrigation piping as required for the installation of new piping as required and the removal and disposal off site of the existing irrigation meter and vault assembly as shown on the Plans.

## 15.1 Payment

Payment for Bid Item 15 shall be for a complete abandonment of the existing irrigation piping system with appurtenant equipment and materials, which shall be deemed full compensation for all labor, materials, traffic control, equipment, and incidentals necessary to complete the work as specified.

## BID ITEM 16 - Performance and Payment Bond

The successful Proposer will be required to furnish a Performance Bond and a Payment Bond executed by a Surety Company duly authorized to do business in the state of Nevada and acceptable to GBWC's parent (Nexus) legal counsel each in the amount not less than 100% of the contract price as security for the payment of all persons performing labor and furnishing materials in connection with this contract. These bonds must be executed in the fashion provided as part of the Contract Documents. The Surety Company shall be rated "A" by the U.S. Treasury Department.

## 16.1 Payment

Payment for Bid Item 16 shall be included in the first invoicing period of this project.

## **TECHNICAL PROVISIONS**

## **GREAT BASIN WATER CO. – PAHRUMP DIVISION** (PRODUCTION WELL 10 PROJECT)

## PART 1 – GENERAL

#### 1.1 SCOPE

- A. It is the intent of these Specifications to obtain a pump and motor of heavy-duty construction for heavy-duty continuous service, or for intermittent service whichever impose the most severe service on the pump. The CONTRACTOR shall furnish, install, and test all pumps as indicated in the Drawings, or as specified herein.
- B. The pumping unit shall be furnished as a complete, ready-to-install by a single manufacturer. The pumping unit includes, but is not limited to, vertical turbine submersible pump, motor, pump column assembly, check valve, submersible cable, junction box and control panel.
- C. A Pump/Motor that has mechanical defects or do not meet the range of head-capacity characteristics, horsepower, and efficiency will be rejected after testing and shall be replaced without additional cost to the OWNER for furnishing, removal, reinstallation, and retesting. Mechanical defects shall include excessive vibration, improper balancing of any rotating parts, improper tolerances, binding, excessive bearing heating, defective materials, including materials that do not conform to the Specifications, improper fitting of parts, any other defect which will in time damage the pump or unreasonably impair the efficiency of the pump.

#### 1.2 SUBMITTALS

- A. The CONTRACTOR shall submit one digital manufacturer certified copy of all cut-sheets and sufficient literature with detailed specifications, drawing indicating dimensions, make, style, size, type, specific materials used, design features weights, and any other information required. No pumping equipment shall be installed prior to approval by the ENGINEER.
- B. The CONTRACTOR shall include in the submittal all appropriate information for the Materials/Equipment that will be installed. The electrical control panel portion of the submittal shall be forwarded by the ENGINEER for review by the electrical engineer and SCADA controls contractor prior to submittal approval. The intent of this requirement is to assure the appropriate Input/Output/Communications equipment and options are provided with the VFD so as to accommodate proper control as well as assure compatibility with other control equipment used by the OWNER.
- C. Submission shall be accompanied by letter of transmittal enumerating the drawings submitted and all proposed variations from the Specifications and Drawings. The approval of shop drawings or schedules shall apply, in a general sense only and will not relieve the CONTRACTOR from responsibility for deviations from the Contract Specifications or Plans, unless such deviation is specifically approved in writing. Responsibility for agreement of Drawings with job dimensions and conditions for the correction or errors in shop drawings with schedules shall rest with the CONTRACTOR.

- D. Complete fabrication and assembly drawings together with detailed specifications and data covering materials, parts, devices and accessories forming a part of the equipment furnished, shall be submitted in accordance with the submittal sections. The data and specifications for the pumping equipment shall include, but not be limited, to the following:
  - 1. Name of the manufacturer.
  - 2. Type and model.
  - 3. Design rotation speed.
  - 4. Number of stages.
  - 5. Type of bowl bearings.
  - 6. Size of shafting.
  - 7. Size of pump column.
  - 8. Size of suction inlet and discharge outlet.
  - 9. Outside diameter of bowls.
  - 10. Impeller Diameter.
  - 11. Maximum overall dimensions.
  - 12. Total weight.
  - 13. Data on shop painting.
  - 14. Complete performance curves showing capacity versus head, NPSH required, efficiency, and brake horsepower plotted on scales consistent with performance requirements.

It is important that the vertical dimensions are accurately detailed to assure compatibility with the specified pump and motor in the plan set.

#### 1.3 QUALITY ASSURANCE

- A. The pumping equipment shall be installed in accordance with the requirements and guidelines of:
  - 1. The Manufacturer.
  - 2. AWWA A100 and E100 standards.
  - 3. Hydraulic Institute standards.
  - 4. The Contract Documents.
- B. Standards. These specifications are intended to cover the furnishing of complete vertical turbine pumping systems. The pump shall be furnished with an electrical motor drive. The pump impellers shall be statically and dynamically balanced and shop assembled to assure component compatibility. The pump shall be designed, fabricated, assembled and tested in accordance with the following standards:

OSHA - Occupational Safety and Health Act AFBMA - Anti-Friction Bearing Manufacturers Association ANSI - American Nation Standards Institute, B16.5 Steel Flanges AWWA - American Water Works Association NEMA - National Electric Manufacturers Association AWS - American Welding Society ASTM - American Society for Testing and Materials ASME - American Society of Mechanical Engineers HI - Hydraulic Institute Standards

#### 1.4 WARRANTY

A. The manufacturer shall warrant their pumps/motors to be free of defects in materials and workmanship for a period of one (1) year after the product is first put into operation.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

A. The pumps, motors, and electrical equipment shall be adequately supported during transit to ensure the pumping unit and electrical equipment is not subjected to undue stresses.

## PART 2 - PRODUCTS

#### 2.1 ACCEPTABLE EQUIPMENT

- A. Pump Grundfos Model 1100S1000-3AA, 3-stage, submersible pump, or approved equal.
- B. Motor Grundfos Electric 100 Hp, 460 volt, 3-phase, 8-inch diameter submersible motor, or approved equal.

#### 2.2 PUMP CONSTRUCTION

- A. Pump Bowl Assembly
  - 1. Pump bowls shall be 304 stainless steel and free of blow holes, sand holes and other detrimental defects.
  - 2. Impellers shall be 304 stainless steel. Impellers shall be free from defects and must be accurately manufactured, machined, and filed for optimum performance and minimum vibration. The impellers are enclosed type and shall be statically and dynamically balanced.
  - 3. Bowl shaft material shall be 431 stainless steel.
- B. Column Pipe
  - 1. The column pipe shall be of AWWA ASTM A606 Type 4 high strength low alloy steel pipe. Column joints shall be threaded and butt fitted.
- C. Electric Motors
  - 1. The motor manufacturer shall be Grundfos Electrical suitable for use on 460 volt, three phase, 60 Hz electrical service, or approved equal.
- D. NSF-61 Certification
  - 1. All components associated with the pump construction in contact with water shall be NSF-61 certified.

#### 2.3 PUMP CONTROL PANEL

The contractor will supply and install a new pump control panel for the new pumping system that meets the manufactures specifications for a new Grundfos Electrical 100 Hp, 460 volt, 3-phase submersible motor. The Pump Control Panel will be equipped with a variable frequency drive and output filter for the new submersible motor and shall be a Franklin Control Model CIE3R-SUBP125-P4-3 or approved equal.

## **SECTION 52000 – PIPING AND PLUMBING**

## 1.1 SCOPE

Treated Waterline Piping: Allowable treated waterline pipe materials shall be Ductile Iron Pipe and Polyvinyl Chloride (PVC) Pressure Pipe. Specifications for individual pipe materials are given below.

Design Conditions:

- A. Depth of cover to be a minimum of 42 inches accept where located above ground.
- B. Trench width shall be a minimum of 1 pipe diameter plus 12 inches.
- C. 6'' of 3/8'' minus bedding under the pipe.
- D. Bedding tamped to 12 inches above pipe, load factor 1.5.
- E. Soil density 150 pounds per cubic foot.
- F. Bedding angle 90 degrees.
- G. Rigid pipe 1.5 factor of safety versus crushing.
- H. Flexible pipe allowable deflection as specified by pipe manufacturer.
- I. Above design conditions apply to an empty conduit with no internal pressure.

#### **1.2 Ductile Iron Pipe:**

Ductile iron pipe shall be fully gauged and labeled

<u>Material</u> – Ductile iron water pipe shall conform to AWWA C151 specifications. Ductile iron pipe shall be pressure class 350 for pipe sizes 12 inch and smaller, pressure class 300 for 14 to 20 inch, pressure class 200 for 24 inch pipe, and pressure class 150 for pipes 30 inches and larger. Higher pressure class shall be used where the working pressure of the pipe exceeds the pressure class shown.

<u>Joints</u> – Lengths of ductile iron pipe shall be joined by flanged type joint or mechanical type joint as shown on the plans with rubber rings furnished by the manufacturer of the pipe and designed for use with the pipe being installed. Assembly of pipe and joints shall follow the manufacturer's instructions. After assembly of each flanged joint the final location of rubber rings within each joint shall be checked by gauge as recommended by the manufacturer.

Joints between ductile iron pipe and fittings shall be mechanical type or flanged as shown on the plans. Joints between ductile iron pipe and other types of pipe shall be made by means of the proper sized and type compression adapter.

<u>Fittings</u> - The fittings shall be designed to meet the design requirements of the adjacent pipe used. All fittings shall be smooth and free from defects.

Fittings shall be ductile iron or fabricated steel. Fittings shall be manufactured in accordance with AWWA Standard C110, 111, 115, and 153. Ductile iron fittings shall be protected with a petroleum asphaltic lining and coating. Fabricated steel fittings shall be fusion epoxy lined and coated. Bolts and nuts shall be carbon steel, ASTM A307, Grade A; hex head, or standard tee-head.

#### **1.2** Polyvinyl Chloride (PVC) Pressure Pipe:

All PVC pressure pipe shall have cast-iron-pipe- equivalent outside diameters.

<u>Small Diameter PVC</u> – Polyvinyl Chloride (PVC) Pressure Pipe, 4 inches to 12 inches, shall conform to current AWWA C-900 and have Underwriters' Laboratories, Factory Mutual and NSF approval. All parts of C-900 not in conflict with these specifications shall apply in full force. PVC pipe shall be dimension ratio (DR) 18, class 150 for internal working pressures up to 130 psi; use DR 14, class 200 for internal working

17 GBWC\_2024 Rate Case\_Vol. 5, Page 302 of 389 pressures between 130 psi and 180 psi. For internal working pressures greater than 180 psi, pipe DR/class shall be determined by the Engineer.

PVC pipe that has been exposed to the sun and become discolored shall not be installed if the date printed on the pipe indicates the pipe was manufactured two or more years prior to the installation date. If the date printed on the pipe has been destroyed or altered and the pipe is discolored, the pipe shall not be installed.

<u>Joints</u> – Lengths of PVC shall be joined by a locked-in flexible elastomeric gasket coupling with bell and spigot configuration. Lubricants intended for use with PVC pipe shall be compatible with the plastic material and not adversely affect the potable quality of the water being transported.

Joints between PVC pipe and fittings shall be slip-on type or mechanical types as shown on the Plan Set. Slip-on type joints shall be sealed by means of rubber rings designated for use with the type of pipe being installed.

Joints between PVC pipe and other types of pipe shall be made by means of the proper sized compression type adaptor.

## SECTION 53000 VALVES AND APPURTENANCES

#### 1.1 SCOPE

Treated waterline valves two inch through twelve inch shall be gate type. Gate valves four inch and larger shall be flange by flange connected to one flange by mechanical joint coupling.

Raw waterline valves shall be gate type. Raw water gate valves sixteen inch and larger shall have a twoinch minimum by-pass.

#### 1.2 GATE VALVE

Gate valves, 2 inch through 12 inch in diameter shall be resilient seated wedge type, 200 psi WOG rated, and conform to AWWA specification C509. All interior ferrous surfaces shall be protected against corrosion by factory applied fusion-bonded or thermal setting epoxy coating which shall be a minimum 8 mils thick and per AWWA C550.

Valves shall have a smooth inside bore on the bottom half so that sediment cannot accumulate. Valves shall open counter-clockwise. Valves installed underground shall have a non-rising stem and a 2 inch square operating nut that is accessible through a valve box. Valves installed above ground shall have outside stem and yolk (OS&Y), rising stem, and be hand-wheel operated.

Treated waterline valves 2 inch through 10 inch shall be gate type. Gate valves 4 inch and larger shall be flange by flange accepted where specified on plan set.

For system compatibility, gate valves shall be manufactured by U.S. Pipe, Mueller, American Flow Control or American AVK.

#### 1.3 COMBINATION AIR AND VACUUM RELEASE VALVES

Air and vacuum release valves shall be combination air and vacuum release valves as manufactured by the Valve and Primer Corporation (APCO) 143-C, 145-C, etc, Crispin U-10, 20, etc. or Val-Matic 201C, 202C, etc., bronze or stainless steel trim.

Size shall be per these specifications. Engineering calculations shall be submitted on each combination air and vacuum release valve installed on ductile iron pipe or plastic pipe greater than 12 inch diameter showing the adequacy of the valve to prevent pipe failure.

Pipe taps for AVRV shall always be at location on plan set. Where the pipeline raises suddenly to avoid another utility or other obstruction, an AVRV shall be placed at the high point if the centerline elevation rise of the high point is one pipe diameter above the centerline pipeline at the grade on either side of the high point.

## 1.4 PRESSURE GAUGES

Unless otherwise noted, pressure gauges shall be stainless steel bourdon type with a 4-1/2 inch diameter dial and black alumalite cases suitable for mounting as required. Calibration shall be in 2 psi increments. Pressure range and calibrations shall be as required and the dial shall be engraved with the units in which the gauge is calibrated. All pressure gauges shall be equipped with bronze ball valve type shutoff cocks and glycerin filled.

Pressure gauges shall be rated for service intended, including negative pressure (vacuum gauge or compound gauge).

#### 1.5 FLANGED COUPLING ADAPTERS

All flanged coupling adapters must be flanged by mechanical joint. Flanges, bolting, and gaskets shall conform to the requirements for the pipe or valve to which the adaptor is attached. The flange class shall match that of the pipe or valve. Flanges must be the same size as the valve flanges. Romac FCA501 or equal.

#### 1.6 CHECK VALVES

Silent check valves for discharge assembly shall be flanged ductile iron body, and for column pipe threaded carbon steel, designed for a working pressure of not less than 350 psi. Silent check valves shall be, Apco, Valve and Primer Corporation, Mueller, or Crane.

#### 1.7 RESTRAINED JOINTS

Restrained joints shall be designed such that the joint has the same lateral strength as the pipeline and/or can restrain the maximum test force exerted on the pipeline. All restraining systems shall be tightened with an adjustable torque wrench to the manufactures recommended torque. The location and minimum required development length shall be clearly identified on the plans. The Engineer shall certify the method and the required development length of restraint.

## SECTION 54000 INSTALLAION AND TESTING

## 1.1 LOCATION OF EXISTING AND NEW UTILITIES

Location of all utilities shown on plans is approximate. At least 2 working days prior to starting work on the project, the Contractor shall contact Underground Service alert (USA) at (800) 227-2600 for location. The locations of various utilities shown on the plans are solely an accommodation to the Contractor without any representation or guarantee concerning completeness and/or accuracy. The Contractor is responsible for ascertaining the locations of, and providing protection for, all utilities to be encountered in the performance of the required work.

#### 1.2 QUALITY CONTROL

The Contractor shall use appropriate quality control procedures to ensure that all pipe and fittings shall be of the first grade and quality conforming to these Specifications. Pipe shall be stored and transported in a proper manner and kept clean after delivery to the job site. All work on pipe shall be performed in a skillful and professional manner.

## 1.3 LAYING OF PIPE

Pipe shall be laid and joined in accordance with manufacturer's and/or Engineer's direction. Necessary facilities including slings shall be provided for lowering and properly placing pipe sections into trench without damage. A minimum of 42 inches compacted earth fill shall cover all main and service pipelines. Cover less than 42 inches or in vehicular traveled ways may require heavier walled pipe.

The pipe shall be laid in conformity to the prescribed line and grade. The prescribed grade shall be set using the appropriate surveying tools (i.e., transit, rod, laser, etc.). In case any discrepancy exists from the prescribed alignment, the work shall be stopped and the discrepancy immediately corrected.

Each section of pipe shall be thoroughly cleaned before it is lowered into the trench.

If clean pipe sections and fittings cannot be placed in the trench without getting dirt into open pipe, the Engineer may require a piece of material to tie over the ends of the pipe or fitting until it has been lowered into position in the trench. After the pipe has been lowered into the trench, all foreign matter shall be completely brushed from the pipe ends before assembly.

The pipe shall be cut to provide closure pieces of correct lengths to permit the proper location of the pipe sections, or to locate valves, fittings, and appurtenant structures where specified on plans.

The pipe and fittings shall be laid to the lines and grades specified on plans, and centered in the trench. All pipe to be laid upgrade for grades in excess of 10%. All horizontal and/or vertical bends consisting of 11-1/4 degrees or more shall be thrust with concrete as shown in the Plan Set.

The alignment and elevation of the pipeline as shown on the drawings are designed to avoid conflict with new and existing underground utilities as far as their locations are known which is the responsibility of others.

Trenches must be kept dry until pipe has been laid, joints closed and backfill completed to a depth of 1 foot above top of pipe. Temporary water tight plugs shall be provided for closure of the open ends of the pipelines each time pipe laying activity stops and at the end of each working day to prevent the entry of dirt and/or other contaminants.

## 1.4 BEDDING AND BACKFILL PLACEMENT

All backfill shall be carefully placed and spread in uniform horizontal layers (lifts) not exceeding 12 inches per lift. Backfill shall be placed to about the same elevation on both sides of the pipe to prevent unequal loading and displacement of pipe. Backfill shall be placed to minimum depth of 30 inches above the top of the pipe unless shown otherwise on plans.

## 1.5 CONNECTION TO EXISTING PIPELINES

All connections to existing pipelines shall be made as shown on the plans and in accordance with these Specifications.

When deemed necessary by the Owners representative, shutdowns of existing in-service pipeline and other distribution facilities shall be made by the Owner as required to complete pipeline connections. A shutdown shall be for as short a period as possible and shall be scheduled by the Owner representative. The amount of lead-time necessary for shutdown and connection to existing mains varies with each job and must be planned accordingly. In no case shall a shutdown and/or connection be scheduled with less than 2-days notice. Absolutely no connection operations shall occur prior to passing pressure and bacteria tests.

20 GBWC\_2024 Rate Case\_Vol. 5, Page 305 of 389 Interference with the operation of the Owner's distribution system shall be kept at a minimum. While an existing pipeline is shut down, the connection work shall be performed without interruption, continuing after regular working hours if necessary, until completed, unless otherwise directed by the Owner representative. In some cases, shutdowns must occur at times other than normal working hours and/or days.

In all cases, shutdowns shall be made under the direction of the Owner representative. The Owner shall close all valves in making a shutdown and shall open all valves to restore pressure to the existing main, as well as initiate pressure to the new installation.

The Owner representative shall be notified at least 3 working days prior to any connection operations so that advance preparation on the part of the Owner can be made, and shall confirm such advance notice in writing.

## 1.6 ABANDONMENT AND OR REMOVAL OF EXISTING FACILITIES

Existing facilities shall be abandoned as indicated on the plans and specifications. Ends of pipelines to be abandoned in place shall be mechanically restrained by flange or valve and cement thrust block installed if required.

#### **1.7 HYDROSTATIC TESTING**

Backfill shall meet and pass all compaction requirements and subgrade shall be completed prior to hydrostatic testing. The Owners/Engineers representative shall be notified forty- eight (48) hours prior to testing and must approve any water placement in any portion of the pipeline. The pipeline shall be filled with water and all air evacuated.

For treated water lines the pressure shall then be slowly increased to 150 psi or 150% of working pressure, whichever is greater. The test pressure shall be maintained for at least 3 hours. Accurate means shall be provided for measuring the quantity of water required to maintain full pressure on the line for the test period. The maximum allowable leakage shall be per the pipe manufacturer's recommendations or as directed by the District representative.

All or part of the pipeline may be drained as necessary to repair leaks. All leaks shall be repaired in a manner approved by the District representative and retested before being accepted by the Agency. The Contractor shall provide all labor, equipment, and materials, required for filling and testing the pipelines. After successful completion of the hydrostatic test, the chlorination flushing, bacteriological test and high velocity flushing may be completed.

#### 1.8 DISINFECTION/CHLORINATION AND FLUSHING

After successful completion of the hydrostatic test, the Contractor shall chlorinate the pipeline per AWWA C651-86 by completely filling the main and appurtenances with water having a minimum of 50 parts per million (ppm) and a maximum of 100 parts per million (ppm) of available chlorine from calcium hypochlorite. The only disinfection method allowed shall be the continuous-feed method. The chlorinated water shall be retained in the main for at least 24 hours. At the end of this 24 hour period the treated water in all portions of the main and appurtenances shall have a residual of not less than 25 parts per million (ppm).

After chlorination the pipeline shall be flushed per AWWA C651-86. The water shall then remain unmoved for a minimum of forty-eight (48) hours after which the Owner shall collect bacteriological samples which shall be tested for coliform of less than 2.2 parts per million (ppm) by an independent laboratory.

The number and location of samples shall be determined by the District representative and shall be randomly chosen. If emergency work is under way, disinfection is to be per AWWA C651-86.

The Contractor shall make the necessary piping connections and furnish and install all necessary equipment required for the high velocity flushing operations. The Contractor shall provide for safe and legal disposal of water from flushing. The Contractor shall remove all temporary flushing facilities. All costs for chlorination and flushing shall be paid by the Contractor. Polyethylene pipe shall be allowed.

## **SECTION 55000 Earthwork**

## 1.1 SCOPE OF WORK

This work shall consist of: performing all operations necessary to excavate earth, rock or other material of whatever nature including removal of water regardless of character or subsurface condition necessary for the construction of the project facilities; placing backfill for all facilities including site grading, structures, transmission piping; removing and replacing unsuitable material; placing and compacting material for all required project facilities; other earthwork shown on the plans and indicated in the specifications including excavating and backfilling all structures, trenches and depressions resulting from the removal of obstructions, removing and replacing unsuitable material.

#### 1.2 BRACING AND SHORING

Sufficient bracing and shoring shall be installed in trenches to insure the safety of workers, and to protect and facilitate the work. Where practicable all such bracing and shoring shall be removed from the trench as the backfilling proceeds. All bracing and shoring shall comply with current Construction Safety Orders of the Occupational Health and Safety Administration.

When shoring is used in the trench, the fill shall be carried to a height sufficient to prevent the surrounding ground from cracking or caving into the trench before the shoring is removed.

When for any reason, pipe laying is discontinued for an hour or more, the open end of all pipelines shall be closed with a close-fitting stopper or taped closed.

The jointing of pipe with this type of joints shall be made by approved methods and recommendations of the manufacturer care being used to prevent chipping or cracking of either end of the pipe during installation.

Pipe shall be protected during handling against impact shock and free fall. The rubber gasket joints shall be cleaned prior to the seating of the gasket. The gasket shall be wiped clean and shall be fitted snugly in the gasket seat. A thin film of lubricant shall be applied to the inside surface of the gasket which will come in contact with the plain end of the pipe, if necessary apply the same lubricant to the plain end of the pipe. Use only a lubricant recommended by the pipe manufacturer and that meets NSF-61 certification.

Mechanical compactors shall not be used directly over the pipe with less than 1 foot of cover.

If at any time during the period of responsibility there shall be any settlement of the trenches requiring repairs to be or should any other defect appear in the system due to the contractor's operations, the owner or their agent shall promptly repair all defects in accordance with the requirements of the to the Owners satisfaction.

#### 1.3 EXCAVATION AND BEDDING

Unless otherwise specified, the excavation for water pipe shall be an open trench, excavated to 12 inches below bottom of pipe grade and 12 inches from each side. The native soil in the trench bottom shall be compacted to 90 percent relative compaction before placement of Class "A" Backfill as shown in subsection 200.03.060 the standards and specifications (Orange Book) for pipeline bedding.

Pipe trenches shall not be left open farther than 300 feet in advance of pipe laying operations or 200 feet to the rear thereof, unless otherwise permitted by the Inspector.

Whenever the bottom of the trench is soft, yielding, or unsuitable as a foundation for the pipe, sufficient crushed rock or coarse clean gravel shall be rammed into the soft material. If such treatment does not provide a proper foundation, the unsuitable material shall be removed to a depth such that when replaced with bedding material, it will provide a stable foundation.

Whenever the trench bottom is in rocky material, the trench shall be excavated to 12 inches below the bottom of the pipe and/or 6 inches below the outside diameter of the bell, whichever is greater, and backfilled to grade with imported bedding material thoroughly compacted into place.

#### 1.4 TRENCH BACKFILL PIPELINES

**Trench Backfill Pipelines:** Class "A" Backfill "A" Backfill as shown in subsection 200.03.06 of the standards and specifications (Orange Book) for water system pipelines and related appurtenances that are constructed for the Owner shall have a minimum specific gravity of 2.5.

Backfill from a point at least 1 foot over the top of the pipe to finish grade shall be made with Class "E" as shown in subsection 200.03.06. of the standard and specifications (Orange Book) for water system pipelines and related appurtenances that are constructed for the Owner.

Material for Class "A" and Class "E" Backfill shall be placed in uniform horizontal layers not exceeding 1 foot in thickness before compaction, and shall be brought up uniformly on all sides of the trench. If the contractor can satisfactorily demonstrate to the Inspector an alternative method of placing the backfill so that all requirements, other than the layer thickness, are met, the Inspector will permit the contractor to use the alternative method. Under no circumstance will the contractor use the alternative method unless the Inspector approval is obtained in writing.

The Owner reserves the right to perform compaction tests, or have compaction tests performed through a licensed, geotechnical, testing firm, to verify compaction of the backfilled trench section. All tests by the Ownerwill be performed in such a manner as will not unnecessarily delay the work.

The use of backfill material other than Class "A" and Class "E" is not permitted unless approval is granted, in writing, from the Inspector.

Groundwater may not be removed from the trench and by use of any part of the existing or new water system piping or facilities. Groundwater must be eliminated from trench prior to installation of water pipe and the pipe must be protected from groundwater at all phases of construction.

- The contractor must eliminate or control groundwater prior to pipe installation utilizing methods that meet or exceed Federal, State or local requirements.
- ➢ If high concentrations of silts are suspended in the groundwater, settling basins may be required before the water is pumped or diverted to daylight.

Initial backfill shall be to 1 foot of the vertical outside diameter of the pipe in 8-inch maximum lifts.

Backfill material shall be "shovel sliced" on both sides of the pipe, with care to assure that the spaces under the pipe haunches have been filled.

Field repairs to P.V.C. are not acceptable unless the Owner/Engineer has given his/her prior approval for each repair.

Mechanical compactors shall not be used directly over the pipe with less than 1 foot of cover.

#### 1.5 TRENCH SECTION, UNPAVED AREAS

Pipeline shall be bedded on 6 inches of Class "A" Bedding compacted to 90 percent relative compaction. Class "A" material shall also extend a minimum 12 inches above top of pipe, compacted to 90 percent relative compaction. In the event that heavy groundwater is encountered in the excavated trench, Class "C" Bedding may be substituted for Class "A" Bedding with a filter fabric to support bedding. Native Backfill shall be placed from 12 inches above top of pipe to finished grade. Native Backfill shall be compacted to 90 percent relative compaction.

#### **SECTION 56000 CLEAN UP**

#### 1.1 GENERAL

During the progress of the work, the Contractor shall keep the entire job site in a clean and orderly condition. Excess or unsuitable backfill material, broken pipe or other waste material shall be removed from the job site. The contractor shall remove spillage resulting from hauling operations along or across existing streets or roads immediately. All gutters and roadside ditches shall be kept clean and free from obstructions. Any deviation from this practice shall have prior approval from the Owner.

Before final acceptance of the work, the contractor shall carefully clean up the work and premises, remove all temporary structures built for the work, and remove all surplus construction materials and rubbish of all kinds from the grounds which he has occupied and leave them in a neat condition.

#### SECTION 57000 ENVIRONMENTAL CONSIDERATIONS

#### 1.1 WATER POLLUTION

The contractor shall exercise every reasonable precaution to protect ditch conduits, streams, lakes and reservoirs from pollution with fuels, oils, bituminous, chemicals, concrete and other harmful materials and shall conduct and schedule his/her operations so as to avoid or minimize muddying and silting of said conduits, streams, lakes and reservoirs.

Erosion control features shall be constructed concurrently with other work and at the earliest practicable time. Care shall be exercised to preserve vegetation beyond the limits of construction.

When borrow material is obtained from other than commercially operated sources, erosion of the borrow site during and after completion of the work shall not result in water pollution. The material source shall be constructed, where practicable, so that water will not collect or stand therein.

The requirements of this section shall apply to all work performed within the Nye County (County) and to all noncommercial operated borrow or disposal sites used for work within the County. The word "stream" as hereinafter used shall be construed to mean ditch, conduit, stream, river, lake or reservoir.

The owner or their agent shall be completely responsible for compliance with all local, District, town, county, state, and federal regulations pertaining to water pollution and soil erosion including the payment of any fines or penalties imposed by any governmental agency as a result of work performed by or for the owner or their agent.

#### SECTION 58000 STRUCTURAL CONCRETE

#### 1.1 GENERAL

Provide and install all cast-in-place concrete, as shown and as specified on plan set, including but not limited to the following:

- Accessories to be embedded in cast-in-place concrete, anchor bolts, etc.;
- > Cutting, patching, finishing and curing of cast-in-place concrete;
- Coordination with all trades with regard to requirements for special bases, sleeves, chases, inserts, finishes, or provisions of any nature;
- > Treatment of finished concrete surface.

## 1.2 QUALITY ASSURANCE

Qualification of Workmen: experienced and skilled concrete workmen working under the supervision of an experienced concrete contractor shall complete all concrete work.

#### **1.3 REFERENCE STANDARDS**

The following references and standards are hereby made a part of this section. Nothing contained herein shall be construed as permitting work that is contrary to code requirements or governing rules and regulations.

ACI - American Concrete Institute.

- > ACI 301 "Specification for Structural Concrete for Buildings."
- ACI 304 "Recommended practice for Measuring, Mixing and Placing Concrete."
- > ACI 305 "Recommended Practice for Hot Weather Concreting."
- ACI 306 "Recommended Practice for Cold Weather Concreting."
- ACI 309 "Recommendation Practice for Consolidation of Concrete."
- ACS 318 "Building Code Requirements for Reinforced Concrete."
- > ASTM "American Society for Testing and Materials."
- C 31 "Making and Curing Concrete Test Specimens in the Field."
- > C 33 "Standard Specification for Concrete Aggregates."
- C 39 "Standard Method of Test for Compressive Strength of Cylindrical Concrete Specimens."
- C 88 "Standard Specification for Method of Test for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate."
- C 94 "Standard Specification for Ready-Mixed Concrete."
- C 143 "Standard Method of Test for Slump of Portland Cement Concrete."
- C 150 "Standard Specification of Portland Cement."
- C 157 "Standard Method of Test for Length Change of Hardened Mortar and Concrete."
- C 171 "Standard Specification for Sheet Materials for Curing Concrete."
- ➤ C 172 "Sampling Fresh Concrete."
- C 233 "Testing Air-Entraining Admixtures for Concrete."
- C 260 "Standard Specifications for Air-Entraining Admixtures for Concrete."
- C 309 "Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete."
- C 494 "Standard Specifications for Chemical Admixtures for Concrete."
- C 2419 "Standard Specification for Method of Test for Sand Equivalent Value of Soil and Fine Aggregate."
- E 329 "Standard Recommended Practice for Inspection and Testing Agencies for Concrete, Steel and Bituminous Materials as Used in Construction."

## 1.4 SLAB ON GRADE AND FOOTING

Vapor Barrier: Place completely over capillary break material subgrade. Lap joints 6 inches minimum, and continuously tape. Fit tightly to penetrations, and continuously tape. Install continuous tape at all edge conditions.

Sand Cushion: Place a 2-inch sand cushion on top of membrane immediately after placing membrane.

Clean and roughen all construction joint surfaces by removing latence and exposing sound aggregate. Thoroughly clean and moisten contact surfaces before placing fresh concrete.

Cleaning and wetting forms and subgrade: Remove foreign matter accumulated in forms, rigidly close ports and openings left in the form work immediately prior to starting concrete placing. Wet wood forms sufficiently to tighten up cracks. Wet other materials sufficiently to reduce suction and maintain workability of the concrete mix. Thoroughly clean tools used in transporting, placing, and consolidating concrete immediately after each use. Wet subgrade surfaces, immediately prior to placing slabs on grade.

#### 1.5 PLACING CONCRETE

Transport concrete from batching plant to place of final deposit as rapidly as practicable. Place concrete before initial set has occurred and in no event after it has contained water for more than 90 minutes and 45 minutes when concrete temperature exceeds 85 degrees Fahrenheit. Convey concrete from mixer to forms as rapidly as possible and deposit as nearly as practicable in its final position by methods, which will prevent segregation or loss of ingredients. Thoroughly vibrate and tamp concrete so that all parts of forms are filled and so that no voids remain in mass or on surface. Take special care to work concrete through and around reinforcing steel.

Deposit concrete in horizontal layers not over 8-inches deep. Use spouts, elephant trunks or other approved means as necessary to avoid segregation when dropping concrete. Free fall shall not exceed 5 feet unless approved by the Engineer prior to placement.

Use as many vibrators and tampers as necessary to secure desired results for different parts of structure. Make extra vibrators available during placing of concrete, ready for service in case any vibrator in use fails.

Where placing of concrete has been stopped for a sufficient period of time so that shrinkage or warp has separated forms and concrete, draw forms into firm contact with concrete before placing additional concrete. Prevent any shoulder or ledge being formed at a cold joint.

Bring surfaces to be finished to proper grade, strike off finish in a workmanlike manner. Ensure smooth level surfaces.

Add no water when placing concrete.

#### **1.6 FINISHING CONCRETE**

Exterior Slabs on Grade and Curbs:

- Compact, screed, level, and tamp with a grid tamper to raise a thin mortar bed to the surface. Steel trowel and medium broom after concrete has hardened sufficiently to prevent the drawing of moisture to the surface. Do not dust with dry materials. Avoid excessive tamping and surface mortar.
- > Tool mark slabs where shown. Round all edges to a 1/2-inch radius.

#### **1.7 CURING CONCRETE**

During initial 7 days of curing, concrete and form-work shall be kept continuously moist so that a film of water remains on the concrete or form work surface. This may be accomplished through continuously fogging or spraying with water or with moisture retaining fabric coverings. Any covering must be free of any substance that would be harmful to the concrete or the curing process. New fabric coverings should be thoroughly rinsed in water prior to use.

#### **1.8 WEATHER PROTECTION**

Cold Weather Requirements:

Provide adequate equipment for heating concrete materials and protecting concrete during freezing or near-freezing weather in accordance with ACI 306. Use no frozen materials or materials containing snow or ice.
 All reinforcement, forms, fillers, and ground with which the concrete is to come in contact shall be free from snow or ice. Whenever the temperature of the surrounding air is below 40 degrees Fahrenheit, all concrete placed in the forms shall have a temperature of 45 degrees Fahrenheit or higher after placement. Provide adequate means for maintaining this temperature for 4 days.

Provide any additional time necessary to ensure proper curing of the concrete as directed. The housing, covering, or other protection used in connection with curing shall remain in place and intact at least 24 hours after the artificial heating is discontinued. No dependence shall be placed on salt or other chemicals for the prevention of freezing.

Hot-Weather Requirements:

- In hot weather, take suitable precautions to avoid drying of concrete prior to finishing operations. Provide windbreaks, sun-shades, fog sprays, or other devices as directed and as required.
- Concrete deposited in hot weather shall not have a placing temperature that will cause difficulty from loss of slump, flash set, or cold joints. Concrete temperature shall be less than 90 degrees Fahrenheit, unless the Engineer permits higher temperatures.

## **1.9 DEFECTIVE WORK**

Any concrete work not formed as shown on the plan set or not true to the intended alignment or not plumb or level where so intended, or not true to the intended grades and levels or that has voids or rack pockets that have not been filled, or that has any sawdust, wood, or debris embedded in it, or does not fully conform to the Specifications will be deemed to be defective. Concrete finish which is not properly surfaced as specified, or which varies more than 1/4 inch from the required finish grade (except floors having drains), or which has any roughened top surfaces, or which does not connect properly to the adjoining work will be deemed to be defective. Defective work shall be removed and be replaced with workmanship and materials complying with the requirements of the Contract Documents at no increase in Contract Price and with no time extension allowed.

## 1.10 PATCHING AND GRINDING

Formed Surfaces: Patch tie holes and defective areas immediately after form removal. Bonding grout approximately one part Portland Cement to one part fine sand passing a #30 sieve, mixed to creamy consistency. Patching mortar shall be made of the same material and approximately the same proportions as used for concrete, except that coarse aggregate shall be omitted and mortar shall consist of not more than one part Portland Cement to 2-1/2 parts damp loose sand by volume. Combine white and gray Portland Cement as necessary to match color of surrounding concrete. Use no more mixing water than necessary for handling and placing. Mix patching mortar in advance and allow to stand with frequent mixing with trowel without adding water until it has reached the stiffest consistency that will permit placing. Remove honeycombed and other defective concrete down to sound concrete. Dampen area to be patched and at least 6 inches surrounding the area. After water has evaporated from surface, a coat of bonding grout shall be well brushed into the surface. When the bonding grout begins to lose water sheen, apply patching mortar, thoroughly consolidate and strike off slightly higher than surrounding surface. All patching mortar shall set undisturbed for at least 1 hour before final finishing. Do not finish patches for 7 days. Tie holes shall be cleaned, dampened, and solidly filled with patching mortar. All areas to be repaired or grouted are to be inspected by the owner and architect prior to repair.

Slabs on Grade: After entire slab is finished, shrinkage cracks may appear which shall be patched as follows:

> Where the slab is not exposed or where appearance is not important, fill cracks larger than

1/32 inch wide with cement grout and strike off level with surface.

Where slab is exposed and appearance is important, repair all unsightly cracks in a manner satisfactory in appearance to the Owner. If this cannot be accomplished, then the concrete shall be considered defective.

#### 1.11 CLEAN UP

Wash and mop clean all interior finish surfaces and sweep and hose clean exterior surfaces after removal of protective covering. Leave all finish surfaces clean and free from oil, paint, plaster, stain and foreign substances and in approved condition.

#### 1.12 REINFORCEMENT

Bar reinforcement shall be deformed, and shall be intermediate grade conforming to the plan set and be of the shape and dimensions shown on the improvement plans. Before any reinforcing steel is delivered to the job site, two sets of prints of the shop drawings shall be submitted to the Inspector for his/her approval, showing the number, length, and a dimensioned bending diagram of all steel bars and rods. Such approval is intended only as an additional precaution against errors and the responsibility for furnishing and placing steel in accordance with the details shown on the improvement plans and as specified shall still remain with the contractor.

## **GEOTECHNICAL REPORT ( See Attachment)**



# External Project Contractor HSE Guide

## April 1, 2022

## TABLE OF CONTENTS

1	Purp	ose	.2
2	2 Bid Requirements		
	2.1	Health & Safety Qualifications	.2
	2.2	Subcontractor Requirements	.3
3	Pre-V	Work Preparation process	.3
	3.1	Health & Safety Compliance Policy and Requirements	.3
	3.2	Pre-Work Safety Documentation	.3
		3.2.1 Pre-Project Hazard assessment (PPHA)	.4
		3.2.2 Job Safety Plan (JSP)	.4
	3.3	Orientation & Site Hazard Assessments	.5
	3.4	Contractor HSE Handbook	.6
	3.5	Pre-Project Meeting	.6
	3.6	Subcontractors	.6
4	Durir	ng Project	.6
5	Post	-Project	.7
6	Ackn	nowledgement	.8



This guide outlines the Corix Contractor safety management process and associated requirements from pre-project planning to post-project evaluation. It provides direction on Contractor qualifications, orientation, pre-project meetings, tailgates and close out meetings.

Review the document completely and direct any questions to your Corix point of contact (POC). All required Pre-Project records and forms must be completed and submitted to your POC prior to the Pre-Project meeting

- Corix Point of Contact The POC is responsible for overseeing the project during the life of the project and ensuring compliance to and completion of Corix's obligations as owner.
- Corix Representative The Representative may be the POC or some other designee responsible for onsite oversight of Corix's project responsibilities.



#### 2.1 HEALTH & SAFETY QUALIFICATIONS

Prior to award of a contract, Contractors must submit to Corix, and satisfactorily meet, the following obligations, including, but not limited to:

- HSE Qualification Assessment You will be provided either a Worksheet to complete OR a link for the Fusion Supplier Registration Portal.
- Training Records and Certifications as required by the work being perform. Training / Certification records must be provided for each individual that will be performing the work.
  - If project team is not yet determined, these will be required prior to start of project and a prerequisite for any individual working on a Corix site.

Based on the results of this questionnaire, you may be required to provide additional information, including, but not limited to the following. More details will be provided by your POC:

- Safety Programs for work being performed
- Proposed competent person(s) for work being completed who will be responsible for compliance to all health and safety requirements while onsite.

Page 2



If, upon review, Corix finds that any information provided is incomplete or does not meet regulatory or Corix standards, you will be informed by your POC and asked to revise or submit additional information.

If you do not have the necessary safety programs, your POC and the Corix HSE Team member will meet with you to discuss potential options.

#### 2.2 SUBCONTRACTOR REQUIREMENTS

When a Contractor engages Subcontractors to complete any work, the Contractor must certify that they will:

- Evaluate Subcontractor's qualification to perform the job
- Ensure compliance to HSE management practices while onsite
- Respond immediately to address instances when compliance is not met

Before work can begin, the Contractor must complete the following information.

#### 3.1 HEALTH & SAFETY COMPLIANCE POLICY AND REQUIREMENTS

Each Contractor / Subcontractor must review and acknowledge the following documents:

- Contractor HSE Guide
- Contractor HSE Handbook
- Contractor Letter of Commitment
- COVID-19 Precautions for Contractor and Visitors
- Disinfection Guide
- Corix Drug and Alcohol Policy
- Corix COVID 19 Contractor and Visitor Requirements
- Prime Contractor Designation (if applicable)

#### 3.2 PRE-WORK SAFETY DOCUMENTATION

Prior to the Pre-project safety meeting, the Contractor must complete the following and provide to their Corix POC.

During Pre-project walk through / meeting, the hazard assessment and job safety plan will be reviewed, and updates may be required based on the additional information brought forward during the discussion.

Page 3



#### 3.2.1 **Pre-Project Hazard assessment (PPHA)**

Contractor may use their own hazard assessment form or the one provided by Corix. The Contractor / Subcontractors are responsible for protecting their employees from hazards that may exist within or surrounding the worksite. The Contractor must complete a hazard assessment for the job tasks that are planned under the Project Plan and approved by the Corix POC prior to beginning work. Should the project scope change during the project, or when there is a transition between Contractors, the hazard assessment must be reviewed and updated, if necessary, to account for any new or potentially new hazards and submitted to the Corix POC.

It is recommended that the Contractor / Subcontractor evaluate the location where the work is to be performed prior to completing the PPHA to avoid delays in starting work. The PPHA must be reviewed with all individuals expected to perform the Work prior to Work starting on a specified task.

The PPHA must include hazards identified and safe work practices to be used relative to the type of work being performed as well as hazards and abatement for the hazards found in the environment where the work is to be performed.

During the project, Contractor will perform the work and monitor the effectiveness of the hazard controls. Improvements and updates should be made at any time during the process and communicated to all affected individuals.

Copies of Hazard Assessments must be present at the location where Work is being performed and accessible to the individuals performing the Work and to Company employees.

#### 3.2.2 Job Safety Plan (JSP)

The Contractor will use the Hazard Assessments as a guide to develop the JSP. JSPs must be completed for high-risk work, or as directed by the Corix Point of Contact. The JSP must be completed prior to the prework safety meeting.

The following are examples of program elements that the Contractor may need to include in its JSP, if applicable:

Electrical Safety, Fall Protection, Personal Protective Equipment (PPE), Control of Hazardous Energy (Lock Out / Tag Out), Confined Space, Hot work (Grinding and Burning), Hoisting and Rigging, Hearing Conservation (Includes Industrial Hygiene Monitoring and Medical Baselines, if appropriate), Respiratory Protection (Includes Industrial Hygiene Monitoring and Medical Baselines, if appropriate), Emergency Response, Fire Protection and Prevention (Contractor must provide its own extinguishers), Blood Borne Pathogens, Hazardous Communications, Machine Safeguarding, Powered Industrial Trucks, Industrial Hygiene, Material Handling, Spill Prevention, Control, and Countermeasures (Contractor to provide all associated equipment), Storm Water Management, Solid and Hazardous Waste Management, Air Pollution Control, Scaffolding

Updated Training and Certifications not previously submitted during the qualification phase for newly identified individuals completing work. Inspection and Certifications for any equipment must also be submitted, as required.

Neither the Contractor / Subcontractor nor any Contractor / Subcontractor Employee may use any Corix tool, vehicle, or equipment not identified and authorized in writing by the Corix POC.



#### 3.3 ORIENTATION & SITE HAZARD ASSESSMENTS

## All Contractors and Subcontractor employees must complete an orientation process before they are permitted onsite.

Each Contractor employee will complete orientation including:

- Corix Orientation Video Every contractor employee must view the Corix Orientation Video prior to entering a Corix worksite.
  - o <u>Contractor Orientation Canada</u>
  - <u>Contractor Orientation US</u>
- Multi-Employer site
  - As determined by the POC, in consultation with HSE, where there are multiple Contractors onsite, the Contractors will complete the Prime Contractor Orientation that reviews the requirements and expectations of a Prime or General Contractor, those who have engaged with and are responsible for Subcontractors in addition to their own employees. the Contractor / Subcontractor's representatives must attend and complete safety orientation training prior to beginning any work on site.
  - The purpose of the training is to communicate Corix health, safety and environmental rules and policies to the Contractor / Subcontractor, including the Contractor/Subcontractor's responsibilities. The Contractor / Subcontractor representative is responsible for reviewing Corix's policies with each member of their work team, as well as enforcing policies while on site.
  - Corix recognizes that it is sometimes necessary to replace Contractor employees during the course of a project, however, it is required that at least one employee who has attended the HSE orientation (generally the foreman) remain on site with a work crew at all times.
- Site Hazard Assessments each Contractor employee must review the site hazard assessments of the Corix worksite. These will be provided by your POC. Make sure you review this information with your employees. Contact your POC if there are any question prior to work beginning.
- Successfully complete and submit the <u>Contractor Orientation Quiz & Acknowledgement</u>

Upon completion of orientation, each worker will receive a safety sticker or card (with date).

## All Contractor employees must present with and wear an up-to-date sticker, or have an up-to-date card available, at all times while on the Corix worksite.

Contractors previously approved for work at the site must renew their HSE orientation at least annually. This policy ensures that all new Contractor employees are remediated to Corix HSE policies and procedures, and that all newly implemented policies and procedures are communicated to Contractors.

Each Contractor employee's name will be recorded and tracked by Corix.



#### 3.4 CONTRACTOR HSE HANDBOOK

The Handbook contains the requirements and standards that all Contactors / Subcontractors must adhere to when on Corix worksite. The Contractor must review the handbook with their employees and ensure that all subcontractors have reviewed and will comply. An acknowledgement must be provided to the Corix POC.

#### 3.5 PRE-PROJECT MEETING

Contractor will attend a mandatory meeting with the Corix POC and other team members to discuss the project plan as well as review the following information:

- Completed Job Safety Plan
- Completed Pre-Project Hazard Assessments
- Emergency Response Procedures
- Expectations for Safety Tailgates
- Schedule for Safety Review meetings, if applicable
- Inspection scope and schedule, if applicable
- Reporting requirements

#### **3.6 SUBCONTRACTORS**

It is the Contractors responsibility to ensure that all subcontractors have completed the Orientation, submitted acknowledgement forms, and have reviewed, and are in alignment with the pre-project preparation material outlined above.

Once the project has started, the Contractor will keep the Corix POC informed of any changes to the scope of project and related anticipated impact to safety. The key

- Orientation, Site Hazard Assessment where new phases or new Contractor employees begin on Corix worksites, each employee must complete the Corix Orientation before beginning (Section 3.3).
- Tailgate meetings will occur daily. Tailgates shall include all Corix and Contractor employees who will be onsite that day. The teams should review the planned activities for the day and discuss any known or potentially new hazards as well as how employees should respond. Complete records of the tailgate must be kept. The Corix Field Level Hazard Assessment can be used.

PAGE 6



- Corix Inspections Corix employees will conduct regular inspections of the site (schedule to be determined based on size and scope of project)
  - Inspections may include review of all required permits (LOTO, confined space, Hot work)
  - If any hazards are found, the Corix employee has the authority to stop work and will bring the hazard to the attention of the Contractor's site supervisor.
  - Work will not continue until the hazard has been corrected.
  - Corix POC will ensure hazard has been corrected at next inspection, which may occur sooner than originally anticipated, based on the risk of the hazard / infraction.
- Contractor Inspections Based on the scope and duration of the project, as determined by Corix, the Contractor will complete regular inspections of the worksite and subcontractors. Any deficiencies found must be corrected immediately and reported to the Corix POC. Where there is a deficiency that poses a health or safety risk, work *must stop* until the hazard is corrected.
- Incidents Contractor will notify the Corix POC of any incident or near miss immediately. Work will stop until such time that the POC and Contractor supervisor clears the worksite for safety. Incident reporting requirements can be found in the Contractor Handbook.
- Visitor log Contractor will maintain a record of any Contractor, subcontractor, Corix employee or visitor that comes onsite. A visitor log is available for use upon request.
- Reports Contractor will provide regular HSE reports, as determined by Corix HSE and the Project Team that include:
  - Hours worked
  - Number and name of new employees and confirmation of completed orientation
  - Changes to competent persons and submittals of their qualifications
  - Number and types of incidents
  - Inspections and any deficiencies found / corrected
- Review meetings Regular review meetings may be scheduled between the Contractor and the POC / HSE, as determined by the Project Team and HSE. Additionally, based on review and progress of the project, Project Staff and / or HSE may request an impromptu review meeting to discuss any issue.

A meeting will be held between Corix and the Contractor to review the successes and opportunities for improvement learned during the project.

Corix will perform an **Evaluation of Contractor HSE Performance** that may outline improvements that need to be undertaken before the next project / engagement with Corix.

Page 7



All Contractors on the Corix worksite are subject to the above requirements. Prime or General Contractors who choose to subcontract a portion of their scope of work at Corix are responsible for making sure their selected subcontractor meets ALL the above requirements. Prime / General Contractors who do not comply with these requirements shall assume all liability for their selected subcontractors and risk removal from the Corix worksite and forfeiture of contracted work.

Failure to meet any of the above obligations may result in suspension of contracted work until the requirements have been satisfactorily met. Failure to comply with Corix health, safety and environmental standards may result in documented Contractor / Subcontractor corrective actions in accordance with the Corix Contractor / Subcontractor Safety Compliance Policy. Deliberate violations of Corix safety policies may result in immediate and permanent removal from the Corix worksite and forfeiture of contract.

Contractor / Subcontractor Compliance: Corix requires 100% compliance with all federal, state, and local health, safety and environmental laws and regulations.

I have read the "Corix External Project Contractor Guide" and agree to the terms set forth herein. I acknowledge that it is our responsibility to ensure that any personnel that we send on site to perform work for Corix understand their responsibilities outlined in this document.

Name (print): \_\_\_\_\_

Signature: \_\_\_\_\_

Job Title: Da	ie:
---------------	-----

Company Name: \_\_\_\_\_



# Contractor Health, Safety and Environment Handbook

March 24, 2022

## TABLE OF CONTENTS

1	Over	view4
2	Healt	h, Safety & Environment Policy4
	2.1	Policy4
	2.2	Commitment4
	2.3	Contractor Safety Policy
3	Resp	onsibilities6
	3.1	Contractor Responsibilities
	3.2	Corix Responsibilities
4	Spec	ific Requirements & Procedures7
	4.1	STOP WORK POLICY
	4.2	Access to Corix Properties
	4.3	Alcohol, Drugs & Firearms
	4.4	Asbestos Abatement
	4.5	Behaviors
	4.6	Bloodborne Pathogens
	4.7	Competent Person
	4.8	Compressed Gas Cylinders9
	4.9	Confined Space Entry
	4.10	Electricity & Electrical Equipment
		4.10.1 Electrical Safe Work Practices
		4.10.2 Energized Electrical Work
	4.11	Emergency Response
	4.12	Excavation & Trenches
	4.13	Fall Protection



5

-

## CONTRACTOR SAFETY HANDBOOK

4.14	Fire Extinguishers	12
4.15	Fires	12
4.16	Hazard Assessments	13
4.17	Hazardous Materials	13
	4.17.1 Spill & Release Reporting and Response	14
4.18	Hot Work	14
4.19	Housekeeping	14
4.20	Incident Reporting & Investigation	15
4.21	Lockout / Tag-Out (Control of Hazardous Energy)	15
	4.21.1 Procedure for Locking Out Equipment	15
	4.21.2 Procedure for Releasing Locked Out Equipment	16
	4.21.3 Qualified Contractors	16
	4.21.4 Non-Qualified Contractors	16
4.22	Mobile Device Usage	16
4.23	Overhead Work	17
4.24	Personal Protective Equipment (PPE)	17
4.25	Pre-Project Hazard Assessment	18
4.26	Safety Signs & Safeguards	18
4.27	Smoking	18
4.28	Tools, Equipment & Utilities	18
	4.28.1 Powered Equipment (Tow Motors, Scissor Lifts, Power Sweepers, etc.)	18
	4.28.2 Power Tools (Welders, Grinders, Hand Tools, Lathe, etc.)	19
	4.28.3 Ladders / Scaffolding / Aerial Lifts / Scissor Lifts	19
	4.28.4 Corix-Owned Materials	21
	4.28.5 Use of Site Utilities (Electricity, Water, Steam, Compressed Air, Sewer)	21
4.29	Vehicles	21
4.30	Working Over or Near Water	21
	4.30.1 PPE Working Over or Near Water	21
Envi	ronmental Compliance	22
5.1	Waste Management	22
5.2	Waste Disposal	22
5.3	Spill Prevention & Control	22
5.4	Chemical / Substance Disposal	23
5.5	Storm Water Pollution Prevention Plan (SWPPP) & Erosion Control	23
5.6	Air Quality Standards	23

PAGE 2



9	Cont	ractor Letter of Commitment	30
8	Ackn	owledgement	28
7	HSE	Regulations	25
6	Cons	equences	24
	5.14	Surface or Ground Water Usage	24
	5.13	Flood Plains	24
	5.12	Pesticides, Herbicides & Insecticides	24
	5.11	Migratory Bird Treaty Act (MBTA)	24
	5.10	National Environmental Policy Act (NEPA)	24
	5.9	Historic Properties	24
	5.8	Dewatering	24
	5.7	Excavating Soil	23

PAGE 3

-

-



This handbook is intended to provide Corix's Contractors with a clear understanding of our expectations in the areas of health, safety and environment.

A review of these rules and regulations, prior to the commencement of work, is a mandatory requirement of the Contractor orientation process. Contractors shall acknowledge and agree to abide by all Company safety rules and all applicable federal, state, provincial and local laws and regulations at all times.

Safety is a core value and the number one consideration for all activities at Corix

"Our commitment is to provide a safe and healthy work environment for all employees, contractors and other parties sharing or using our worksites. To do this, Corix clearly outlines and implements expectations regarding health and safety performance, participation and management through our Safety Program."

It is Corix's Policy is to ensure Contractors have a health and safety program that is consistent with Corix's health and safety management program. This program must meet or exceed regulatory and / or legislated requirements.

In addition to administering their own safety program, Contractors are expected to actively participate in the **Corix External Safety Guide** and to follow all rules, policies and procedures. Failure to comply will have consequences that may include contract termination (See section 6 Consequences).

Our goal is to complete each task without incident or injury. Contractors, by their level of safety awareness and performance, contribute to the success or failure in achieving this goal. Contractor employers must therefore ensure Contractors and Subcontractor employees are fully informed of Corix' rules and what constitutes acceptable behavior and job performance. Contractors are to be encouraged to seek assistance, input or training, as appropriate, whenever they have questions as to how to do a job or task safely.

## 2.1 POLICY

It is the Policy of Corix Group of Companies (Corix) to provide for the continuous development and implementation of an ongoing safety program that promotes a healthy and safe work environment for all employees, including the protection and support of employees' physical, psychological and social wellbeing. As one of Corix' Core Values, safety is our highest priority. Our objective is to maintain a safe and productive work environment, and to minimize the number of injuries, illnesses, and damage to property. This policy is put into action through the implementation of our Safety Program.

## 2.2 COMMITMENT

At Corix, we are committed to conducting business in a safe and environmentally responsible manner by providing a safe and healthy working environment for all employees in the workplace. With this in mind, health, safety, and the environment is an integral part of the way we conduct and manage our business.

Our commitment is to provide a safe and healthy work environment for all employees, contractors and other parties sharing or using our worksites. To do this, Corix clearly outlines and implements expectations regarding health and safety performance, participation and management through our Safety Program.

Page 4



CONTRACTOR SAFETY HANDBOOK

Corix is committed to complying with all federal, state, provincial and local regulations while making every reasonable effort to identify and control exposures in our operations that can injure people, or damage property or equipment. Every employee has the right to work in a safe and healthy work environment.

### **Occupational Health and Safety Commitments**

To meet our commitment to providing a safe and healthy work environment Corix will:

- Focus on the prevention of injuries and illness.
- Provide our employees with the training, guidance and resources necessary to meet their safety responsibilities.
- Consult and collaborate with our employees, contractors and other stakeholders on safety matters.
- Comply with all relevant legislation, regulations, industry practices and other requirements.
- Continually improve safety performance, and track and report progress in a timely manner.

The Corix Safety Program is a tool which is designed to help management and workers achieve a workplace free of injuries and unsafe practices. It sets out each person's specific obligations and also demands adherence to the Safety Program. We believe that committing to these obligations and demands of the Safety Program is a key component of protecting our employees from workplace hazards.

Adherence to workplace safety rules is a condition of employment for all employees and failure to follow safety rules will result in disciplinary action up to and including termination. No operation is so important that it must be done in a manner that permits undue hazard to personnel, the public, or property. All employees will be held accountable for their responsibilities. All instances of non-compliance with this policy shall be reported to the Health, Safety & Environment Department. The information in this policy does not take precedence over applicable legislation and regulations. It is the goal of this safety program to ensure that everyone leaves work in the same or even better condition in which they arrived.

	February 28, 2022
Signature	Date

Lisa Sparrow, President & CEO

## 2.3 CONTRACTOR SAFETY POLICY

Contractors shall:

- Comply with applicable Environmental and Occupational Health and Safety Act, Regulations, Code, federal, state / provincial, and local legislation, and the Corix External Safety Guide, as it applies.
- Comply with their own health and safety management programs.
- Attend and participate in site orientations, pre-job hazard assessment meetings, tailgate meetings, daily hazard assessments and site inspections.
- Adhere to Corix Drug and Alcohol Policy and be fit for duty at all times while at the work site and provide quality workers who are properly trained. Ensure that workers who may be required to use safety equipment or personal protective equipment are provided the equipment and are competent in the application, care, use, maintenance and limitations of that equipment.



- Not start work on any project until the Corix Point of Contact has given authorization.
- Leave the workplace in a clean, safe, orderly condition, with all garbage and debris removed or properly disposed of. Where required, Contractors must fill out and sign the Corix Safe Work Permit and / or all required work permits for the work being completed before work begins and at end of shift.
- Report all incidents and near misses to the Corix Point of Contact or Representative. If a Contractor or Subcontractor is involved in an incident, ensure that an incident investigation is conducted.
- Be subject to post job safety performance reviews. A combination of factors may be considered including, but not limited to, housekeeping, cost, active participation in safety meetings and quality of work.

## 3.1 CONTRACTOR RESPONSIBILITIES

Contractors are responsible for controlling the manner and methods of their operations and are directly responsible for the safety of their employees.

It is the responsibility of each Contractor working for Corix to take responsibility for their own safety and the safety of those working around them. They are required to immediately report to their Corix Point of Contact or Representative (Corix Contact) any incident or situation that is, or has the potential to become, a threat to workplace safety and / or the environment.

All Contractor employees working with Corix are required to understand, adhere to and comply with Corix's HSE policies, standards and guidelines. Additionally, the Contractor must ensure that their employees are trained on performing the job safely, are aware of and can identify the hazards related to the job, and understand the relevant provisions of applicable environmental, occupational health and safety laws in their jurisdiction. Should a conflict exist between this document and the applicable laws, the laws shall take precedence.

Contractors shall:

- Ensure the Contractor, its operations and safety programs, as well as the Contractor's employees, Subcontractors and Subcontractor personnel, adhere to this Handbook; comply with the Contractor's and Corix's contractual and statutory occupational health and safety obligations; and otherwise meet Corix environmental, health and safety requirements as may be communicated to the Contractor from time to time.
- Comply with local regulations, legislation, manufacturer specifications as well as applicable industry standards.
- Review, comply with all applicable elements, and sign-off on Corix's Contractor Safety Guide.
- Insist on safe performance throughout their operations by ensuring their workers are competent to perform their work correctly. Provide validation of relevant safety training.
- Ensure that personal protective equipment (PPE) is available, properly used, stored, maintained, and replaced when necessary.



- Report all incidents to the Corix Contact or most available Supervisor / Manager on site immediately.
- Provide written Safe Work Procedures and / or Safety Plans for all relevant risk tasks to the Corix Contact prior to starting work.
- Correct unsafe conditions and behaviors immediately, identify and remove hazards, when applicable.
- As required by the Contractor Safety Program, conduct and document tailgate meetings, document Job-Specific Hazard Assessments (JHA) and review with all affected persons.
- Inform the Corix Contact or most available Supervisor / Manager on site immediately of an OSHA, EPA, OH&S or other environmental, safety or health regulatory agency inspection(s) involving the Contractor's work.
- Ensure that all federal, state, provincial and local agency permits, and posters are placed at the entrance to the job site, when or where applicable.

Contractors' operations may introduce hazards to the work area, which would require Corix employees and visitors to wear additional PPE or take additional precautions. Contractors must communicate to the Corix Contact and post appropriate signage, where feasible, to identify these hazards in areas and the PPE necessary to prevent injury.

# 3.2 CORIX RESPONSIBILITIES

Corix will:

- Inform Contractors of any known or potential hazards.
- Provide advice on HSE issues specific to Corix work sites.
- Designate a Corix Point of Contact the POC is responsible for overseeing the project during the life of the project and ensuring compliance to and completion of Corix's obligations as owner.
- Designate a Corix Representative the Representative may be the POC or some other designee responsible for onsite oversight of Corix's project responsibilities.

# 4.1 STOP WORK POLICY

Whenever an imminent danger is present to any person including, but not limited to Contractor employees and third parties, the authorized employees and Contractor's employees have the right and obligation to stop work so that all hazards are abated, or until safe work practices are incorporated.

For the purposes of this policy, an imminent danger includes, but is not limited to:

- A situation for which the individual is not properly trained or experienced.
- A situation for which the individual is not equipped (i.e., safety or personal protective equipment).
- A hazard that is not typical to the individual's work activities or job.

Page 7



- A worker unfit for work due to the influence of alcohol or illegal or mind-altering substances.
- A danger that would normally stop work in the affected area.

Contractor's employees are required to report all "stop work" actions immediately to their supervisor for investigation. During the investigation, the employee refusing to work will not leave the site or return to the work activity without authorization.

If the "stop work" action is used for legitimate safety reasons, the individual initiating the action (employee or Contractor) is protected from discipline, retribution or discrimination.

# 4.2 ACCESS TO CORIX PROPERTIES

Corix maintains the security of its properties as critical for the safety of its workforce and reliability of operations. On first arrival, all Contractors will be met by a Corix Contact.

Each day onsite, all Contractors must sign in and out of the visitor logbook as they enter and leave the site. With the exception of designated restroom and lunch facilities, Contractor personnel are not permitted in areas of the facility not directly related to their specific work.

If working at a property for an extended period, Corix may issue a temporary access badge to access the facilities. Please see your Corix Contact to enquire about a temporary access badge.

## 4.3 ALCOHOL, DRUGS & FIREARMS

Corix adheres to a strict policy regarding the use of legal medications, alcohol, cannabis (also known as marijuana), and illegal drugs ("Drugs") in the workplace. Contractors are responsible to ensure that their employees or Subcontractor employees arrive to work unimpaired and able to commence work and continue to work unimpaired. Contractors are strictly prohibited from using alcohol, cannabis (including any cannabis products), or Drugs during their work hours.

Possession, sale, distribution, or use / consumption of alcohol, cannabis or drugs, via any delivery method, while at work and / or on any of the Company's property or business premises or in any Company vehicle or any Company-paid rental vehicle at any time is strictly prohibited.

Possession of firearms on any of the Company's property or business premises, on any other private property while doing business for the Company, or in any Company vehicle or any Company-paid rental vehicle at any time is strictly prohibited, unless otherwise permitted by law.

## 4.4 ASBESTOS ABATEMENT

Asbestos has been determined to be a highly toxic substance, and occupational exposures to airborne asbestos fibers have been shown to cause serious bodily harm. The use of asbestos-containing materials in the construction of new Corix facilities or the renovation of existing ones is strictly prohibited.

The handling of asbestos materials already in place within Corix facilities is subject to the provisions of all applicable regulations, as listed in section 7.

Contractors must be certified and licensed before conducting any activities involving asbestos abatement. Contractors shall provide a certificate of insurance for conducting asbestos work to the Corix Point of Contact (both workers compensation and liability).



# 4.5 BEHAVIORS

Contractors are required to treat Corix personnel, fellow Contractors, customers, visitors and all other persons at Corix worksites with dignity and respect at all times. Corix is committed to providing our workforce with a positive and safe work environment that is free of discrimination, bullying, harassment, sexual harassment and workplace violence. Fighting, horseplay, and / or practical jokes are prohibited.

# 4.6 BLOODBORNE PATHOGENS

Contractors that have the potential to be exposed to bloodborne pathogens through their job duties must adhere to strict personal hygiene, wear appropriate PPE, follow exposure procedures, be offered Hepatitis B and Tetanus inoculations, and have received proper training.

All other persons are not to clean-up blood and will notify their supervisor / manager for proper clean-up of blood and other bodily fluids.

# 4.7 COMPETENT PERSON

A competent person means a person who is capable of identifying existing and foreseeable hazards in the surrounding work area or working conditions which are unsanitary, hazardous or dangerous to employees and others, and who has authorization to take prompt, corrective measures to eliminate the conditions. A competent person is also a person who has extensive knowledge and experience in a particular activity or job function, as well as knowledge of procedural and regulatory requirements.

Contractors shall designate a competent safety person for all tasks required by regulation, but at a minimum including the following tasks:

- Frequent / regular inspection of jobsite, materials, and equipment
- Scaffolding
- Excavation / trenching / shoring
- Fall protection
- Steel erection / assembly
- Concrete, masonry, & lift slab construction
- Cranes / derricks / hoisting / rigging / demolition
- Blasting
- Hazardous substances (e.g., asbestos, cadmium, lead, ionizing radiation)
- Electrical wiring design & protection
- Welding, cutting, and heating (in a way of preservative coatings)
- Any other task deemed critical by Corix

## 4.8 COMPRESSED GAS CYLINDERS

The handling, use and storage of compressed gas cylinders on Corix property shall meet or exceed all regulatory and legislative requirements.



Compressed gases shall not be stored overnight in a Corix facility without prior approval from the Corix Contact. Burning carts with oxygen and acetylene tanks may be kept in designated areas with the permission of the Corix Contact. Hoses must be neatly rolled up on the cart and regulator valves removed and capped while stored. Compressed gas cylinders must be anchored or strapped in a manner to prevent accidental tipping and falling. Compressed gas cylinders must be labeled to identify its contents and hazards.

No cutting is allowed without a hot work permit issued by the Corix Contact or designee.

## Permits must be signed by Corix Contact as determined by Project Team and Corix HSE.

### 4.9 CONFINED SPACE ENTRY

All Contractors performing work in a confined space must have a Confined Space Program which meets or exceeds regulatory and / or legislative requirements.

No confined space entry operations shall be performed unless the following requirements have been met:

- Have a written Confined Space (CS) Entry Program, Permit system and training program that is in compliance with applicable legislation and regulations.
- Each entrant and attendant must have completed the required training.
- Both the Corix Confined Space Program and the Contractor's Confined Space Program will be reviewed in detail with the Corix Contact or designee.
- Inform the Corix Contact or designee of the time, conditions and the reasons for this entry.
- Confined space entry permits have been completed and reviewed with the Corix Contact or designee.
- Proper atmospheric testing must be performed prior to entry and continuously throughout entry operations.
- Attendants (provided by the Contractor) are required for the duration of entry operations into any permit required space.
- Rescue procedure and equipment obligations have been met in accordance with regulations.

## 4.10 ELECTRICITY & ELECTRICAL EQUIPMENT

Working on or near live electrical parts on Corix property will require that the Contractor meet or exceed all applicable regulations, as listed in section 7.

The construction and installation of permanent and temporary electrical power transmission and distribution lines shall comply with applicable codes and standards.

All electrical tools and equipment must be connected to site power through portable ground fault circuit interrupters (GFCI). Portable GFCIs will be supplied by the Contractor. Do not attempt modification of existing power supplies. Assume all electrical equipment is energized unless verified through Corix lockout / tagout procedures.



Only licensed and qualified electricians are permitted to work on electrical systems and equipment. All work is to be conducted in accordance with applicable standards and codes.

Do not operate electrical tools or equipment in wet areas or where potentially flammable dusts, vapors, or liquids are present. Should a circuit breaker "trip", the Contractor must ensure that a qualified electrician checks the circuit and equipment and corrects the problem before resetting the breaker.

Report hazards (lack of protective guards or covers, damaged equipment, etc.) to the Corix Contact. Do not leave electrical boxes, switch gear, cabinets, or electrical rooms open when not directly attended. Extension cords must be in good condition and must not create a trip hazard. Cords that stretch across walkways must be entirely covered and secured so as to not create a trip hazard.

Live parts to which an employee might be exposed shall be put into an electrically safe work condition before an employee works on or near them, unless the employer can demonstrate that de-energizing introduces additional or increased hazards or is infeasible due to equipment design or operational limitations in accordance with CSA Z462 / NFPA 70E.

If live parts are not placed in an electrically safe work condition, work to be performed shall be considered **energized electrical work** and shall be authorized by the Corix Contact, as determined by the Corix Project Team and HSE, and performed by **written energized electrical work permit only**.

All energized or potentially energized electrical work will be performed by a Qualified Person in accordance with CSA Z462/NFPA 70E.

All areas in which testing / working on live circuit / conductors are being performed shall be barricaded and warning signs erected in accordance with CSA Z462 / NFPA 70E. An attendant must be posted by the Contractor during the test.

## 4.11 EMERGENCY RESPONSE

In the event of an emergency evacuation, all Contractor personnel shall evacuate the facility, or any occupied vehicles or trailers, or any temporary offices or enclosures by the nearest available safe exit and proceed immediately to the designated muster / assembly area for a headcount. Your supervisor, POC or Corix HSE Staff will give a "return to your work area" announcement when it is safe and appropriate to return.

Contractors are required to develop and implement emergency response plans and procedures specific to their activities while working for Corix. Corix has specific emergency response procedures for its facilities and worksites that provide guidance in the event of an emergency. Key emergency response information and contact numbers will be provided during the Contractor orientation.

- Contractors should be familiar with their employer's and Corix's emergency response procedures.
- Each Contractor is required to have a first aid kit on site in the event of minor injuries.
- Contractor personnel are responsible for identifying their own emergency medical response (e.g., CPR for live electrical work).
- Contractors will bring any other equipment necessary for anticipated hazards which may include but not be limited to spill kits; eyewash stations; fire extinguishers; and fire alarm pull stations.



Damaging, disabling, or interfering with safety, firefighting, or first aid equipment is prohibited. Safe access to all work areas and emergency exits shall be maintained at all times.

# 4.12 EXCAVATION & TRENCHES

Excavations and trenches shall meet or exceed all applicable regulations, as listed in section 7.

Prior to any excavation, the Contractor is responsible for coordinating locates with the appropriate parties to determine the existence of any underground utilities on the job site. If it is deemed by the Corix Contact that there is not sufficient knowledge of underground utilities in the area, the Contractor is responsible for performing any and all subsurface investigations required to ensure there are no underground utilities present.

Locates are only valid for 10 days, and the excavation must begin within 48 hours of the locate process.

Excavations and trenches must have regulatory approved sidewall slope, step or protection with adequate barricades and warning lights to provide sufficient warning day and night.

# 4.13 FALL PROTECTION

Fall protection shall meet or exceed the scope, applications and definitions outlined in all applicable regulations, as listed in section 7.

Fall protection for walking / working surfaces is required by means of guard railing or personal fall arrest systems (PFAS).

- above any equipment / machine / hazardous condition regardless of falling distance,
- (US) at 6 feet or above (or 10 feet or above on scaffolding)
- at 10 feet or above (Canada)

All PFAS must be inspected prior to use.

Ladders and scaffolding are exempt from this obligation when meeting the requirements of OSHA 29 CFR 1910 Subpart D (Walking / Working Surfaces, including Ladders). Scaffolding must have appropriate guard railing installed to be exempted from use of PFAS. Forklift man baskets do not require PFAS. However, PFAS are required on articulating boom lifts and crane man baskets.

- Employees must be continuously protected from injury due to falls through floor openings, and stairways.
- When unprotected sides or edges and stairways are created, specific design and protective mechanisms must be put into place to protect employees from these fall hazards.

## 4.14 FIRE EXTINGUISHERS

Contractors must bring the appropriate number of fire extinguishers to the worksite. All Contractor employees must be trained and familiar with the use of fire extinguishers and their locations.

## 4.15 FIRES

All minor fires involving the discharge of extinguishers are to be reported to the Corix Contact immediately.



If a fire cannot be managed by an extinguisher, evacuate all personnel from the area and immediately contact 911 and emergency responders and the Corix Contact. Contractor will coordinate with the Corix Contact (if onsite) to initiate additional evacuation as necessary.

# 4.16 HAZARD ASSESSMENTS

Hazard assessments are critical to completing any job safely. Hazard assessments must be completed by Contractors and Subcontractors throughout the course of the project. All identified hazards will be communicated to all workers (Contractors, Subcontractors, Corix). At minimum, hazard assessments include:

- Pre-project Hazard Assessment An assessment of anticipated hazards for the entirety of the project. All preventative measures will be identified in the Pre-Project Hazard assessment and Job Safety Plan.
- Site Hazard Assessment Site Hazard Assessments will be provided to the Contractor by Corix and reviewed with all Contractor and Subcontractor employees during orientation and before they begin work. The conditions will likely change during the course of the work as the project proceeds and new hazards will arise. Some of these hazards will have been anticipated and captured in the pre-project planning phase. New, daily or unexpected hazards may also arise and should be identified and discussed as they are anticipated or arise.
- Job Hazard Assessments Hazard Assessments must be completed for each high-risk task or job to be completed. Corix may have assessments and procedures for assets and equipment that can or should be used by Contractors. Contractors must review and / or complete assessments for the job tasks being completed by their employees. These include, but are not limited to:
  - Confined Spaces
  - Electrical Work
  - o Hot Work
  - o LOTO
  - Excavation
- Field Level Hazard Assessments FLHAs are assessments that take place to capture and facilitate discussion on new hazards that arise due to changing work or environmental conditions. FLHAs must be completed every day and reviewed during the daily tailgate meetings and before each shift, if applicable.
- Safe Work Permit (Canada) An SWP will be completed for all Contractor work.

## 4.17 HAZARDOUS MATERIALS

There are many hazardous chemicals throughout Corix worksites. All the chemicals are labeled so you know what chemical it is. Applicable Safety Data Sheets (SDS) are available at every facility and / or will be provided through an online SDS management program.

Contractors are required to provide Corix, and maintain onsite, the appropriate Safety Data Sheets (SDS) for hazardous chemicals brought onto any Corix site and must notify the Corix Contact of the hazardous chemical's presence prior to arrival. Materials are subject to approval. Copies of SDS must be made available upon request. Chemical containers and waste / debris containers, including hoppers and roll-offs,



must be labeled to identify contents and hazardous properties, if any. Universal (non-hazardous) waste must be labeled as such.

To work with chemicals, all workers must be trained to the current Globally Harmonized Standard (GHS) for Hazard Communication / WHMIS and have DOT / TDG training to transport chemicals.

All Contractors shall respond to spills and to releases of hazardous substances, dispose of contaminated clean-up materials, dispose of contaminated soils and report immediately each spill or release event to the Corix Point of Contact. The Contractor is responsible for reporting any spill, as required, to the applicable regulator.

Contractors shall not attempt to dilute or flush a spill down a floor drain or outdoor storm drain. Contractors shall provide their own spill clean-up materials appropriate for the chemical(s) brought on site. Contractors will be invoiced for spills that are required to be cleaned and disposed of by Corix personnel. Contractors shall provide a written report detailing the incident, including affected employees and all relevant causes, leading to the incident.

## 4.18 HOT WORK

Any welding, cutting or grinding on Corix property shall meet or exceed all applicable regulations, as listed in section 7.

No hot work (welding, torch cutting, grinding, etc.) will be performed without completion of proper hot work permits. Contractor's hot work permits must be completed daily. **Permits must be signed by Corix Contact as determined by Project Team and Corix HSE.** 

Hot work permits will be issued daily and will expire at the end of each shift. Fire Watch is required during all hot work activities and a final check of the area is required 30 minutes after completion of hot work. Welding equipment will be properly stored and rendered safe at the end of each shift (i.e., disconnects deenergized, compressed gas bottle valves closed, etc.)

Contractors are required to provide appropriate protective measures (e.g., fire extinguishers, welding screens, fire blankets) and post warning signs at each Hot Work location.

Hot work must be performed in areas that are 20 - 35 feet away from flammable or hazardous materials. These materials can be removed or must be covered with flame-retardant covering.

While in confined spaces, continuous air monitoring LEL must be in place to determine an area is not flammable.

### 4.19 HOUSEKEEPING

Contractors are required to clean their work areas prior to the end of each work shift. This includes removal and disposal of all debris, proper safe storage of all tools, equipment and materials, broom sweeping all solid floors in the area, and emptying any filled disposal bins. Cords and hoses shall be stored as to not cause tripping hazards and all electrical equipment shall be disconnected from power sources.

Corix will issue a stop work order anytime housekeeping on the site is disregarded. The stop work order will be lifted when the site is cleaned!



## 4.20 INCIDENT REPORTING & INVESTIGATION

All injuries, near misses, and incidents resulting in property or environmental damage are to be reported **IMMEDIATELY** to the Corix Contact. Contractors will be required to complete an incident report and participate in any resulting incident investigation and analysis. All required reports should be completed within 24 hours and copied to the Corix Point of Contact.

Securing of the incident scene is important to ensure a good incident investigation. No movement of materials or equipment shall be made until a review of the incident is completed (securing of equipment or materials that could result in further injury may be done). Obtaining signed statements from witnesses of their complete factual observations is also required. Names and permanent addresses of witnesses shall also be secured for further reference.

Incidents where a serious injury, fatality, explosion, or structural failure has occurred will be reported to and, if necessary, investigated by the appropriate authorities, and by Corix HSE with full participation by all Contractor employees. The scene of that incident must be preserved, and work must not resume until authorized by Corix Contact.

## 4.21 LOCKOUT / TAG-OUT (CONTROL OF HAZARDOUS ENERGY)

Corix adheres to a strict policy regarding control of hazardous energy. NO ONE is permitted to perform any work on energized equipment or systems unless qualified and approved to do so. It is the responsibility of all Contractor personnel to understand and comply with the Corix lockout / tag out (LOTO) policy. Contractors are responsible for knowing and complying with applicable standards and requirements related to the proper control of hazardous energy.

Contractors are required to have a written LOTO Plan, and documented evidence that personnel have been properly trained.

Each Contractor employee must provide their own uniquely keyed personal lock to be applied to lock boxes. Personal locks must bear the employee's name, company and contact phone number.

All lockout / tagout (LOTO) of equipment and systems must be verified through a joint walk down by the Contractor and the Corix Contact and will cover all energy isolations made prior to start of project. Signatures must be present on all relevant LOTO documents.

Violation of this requirement may result in immediate and permanent removal from the work site and cancellation of contracts. LOTO will be controlled by Corix site operations at all times.

- 1. Contact the Corix Contact or designee associated with the work to determine and locate the Corix person responsible for this equipment, process, or area.
- Before locking out equipment or systems, both the designated Corix person and Contractor employee performing the work must be present. If both parties cannot be present during the lock-out process, then the absent party will be walked through the sequential isolation by the those who did perform the de-energization work, item by item, before placing their locks on the group lock out box / device.
- 3. The **Sequential Isolation Form** will be completed when there is more than 2 points in a system requiring isolation.
- 4. A Corix Representative will be responsible for de-energizing the equipment, assuring that all conditions in the facility lockout policy are met.



Revision: 3/24/2021

- 5. The Contractor's authorized personnel performing the work will install an approved lock and ID tag to the isolation points. The LOTO process will be performed under the supervision of a Corix Contact or designee, when Corix operations staff are onsite, and the Contractor supervisor and / or their designated competent person.
- 6. The equipment or source of hazardous energy shall be tested to confirm the source of energy is properly isolated.
- 7. If facility personnel are likely to be in danger in the event that the equipment is energized, a multiple lock device (or hasp) is required with both Contractor and facility locks installed.
- 1. Before energy is restored to the equipment, a visual inspection of the work area shall be made by the Contractor supervisor and personnel performing the work to ensure that all non-essential items have been removed, that all components are operationally intact, and that all personnel are not in the hazard area.
- 2. Only the individual who applied the device shall remove each lock and tag device from each energy-isolating device. However, during a group lockout situation, all locks will be removed by a designated employee **only after** all personnel locks have been removed from the group lock-out device, and all personnel have been accounted for.

If Contractor employees are familiar with the equipment or machinery and its hazards, they will submit their written LOTO procedure and their lock identification system to the Person in Charge who will ensure the procedure eliminates all of the hazards.

Contractor employees will then be allowed to follow their own written LOTO procedure.

If Contractor employees are not familiar with all the hazards of the equipment or machinery, they are not allowed to lockout or tag out on their own.

The person who authorized the Contractor to come on site will ensure a qualified Corix employee, who is knowledgeable and experienced with the equipment or machinery, accompanies the Contractor, shuts down the equipment or machinery, puts on a personal lock, and tests the equipment or machinery.

Contractor employees will then apply their personal locks.

When the work is complete, the Contractor employees will remove their locks.

Once all of the Contractor employees' locks are removed, the Corix employee will remove their lock and activate the equipment or machinery.

## 4.22 MOBILE DEVICE USAGE

Do not look at your mobile device while walking. Talking with a mobile device held to your ear while walking is not permitted – you may use an earpiece in only one ear

When you need to look at your mobile device, please move to a safe location and stop walking – be careful not to block the walkway for other people



You can use an earpiece in both ears if you're seated in an office work area or another safe location Often the safest decision regarding any use of your mobile device is to wait until you can stop walking to use it

Local laws or regulations may include additional restrictions for using mobile devices and should always be observed

## 4.23 OVERHEAD WORK

Proper precautions must be taken to protect personnel in the area where cranes, ladders, scaffolds or work platforms are used for overhead work. Physical barriers, trestles, warning lights, observers, or flagmen must be used to limit access to the area below the work site.

The Contractor shall provide and use, while working overhead, an effective method to prevent falling objects from endangering or injuring people, equipment, or products below.

While working 20 feet or closer to overhead electrical lines, lines should be deenergized or properly guarded, based on project hazard assessments.

Contractors will comply with the minimum safe approach distance.

Any overhead work on Corix property shall meet or exceed all applicable regulations, as listed in section 7.

# 4.24 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Contractors will provide all required personal protective equipment (PPE) to its own employees.

- Workwear appropriate for the task being performed, including:
  - o Long pants
  - No tank tops
- NIOSH approved hardhats,
- ANSI approved safety glasses with side shields, and
- ANSI approved safety toe shoes are minimum requirements on all worksites.
- Minimum ANSI / CSA Hi-Vis Apparel or Vests when on the active worksite
- Prescription street glasses with side shields are NOT permitted.
- Additional PPE may be required as dictated by the hazards associated with the Contractor's work.

Hearing protection is required in high noise areas and when performing tasks which generate noise levels at or above 85dBA. Contractors are responsible for monitoring task-specific noise levels and providing hearing protection to their employees.

The Contractor / Subcontractor is responsible for supplying all necessary safety equipment and personal protective equipment for their employees. Corix does not supply personal protective equipment such as hard hats, gloves, safety glasses, respirators, hot work PPE or hearing protection. Contractors / Subcontractors should be sure to bring this equipment to the site. Use of Corix owned PPE is prohibited.



Contractor / Subcontractor is responsible for supplying all additional safety and health equipment necessary to complete their scope of work in compliance with federal, state / provincial and local occupational safety and health regulations. Examples of such equipment include, but are not limited to, confined space entry and rescue equipment, fall protection, scaffolding, ventilation, lockout / tag out equipment and ground fault circuit interrupters. Use of Corix owned equipment may be granted by Point of Contact in certain circumstances. Prior to use of such equipment, the Contractor must sign and submit a VEHICLE / EQUIPMENT AUTHORIZATION FORM. These forms can be obtained from your Point of Contact.

## 4.25 PRE-PROJECT HAZARD ASSESSMENT

Prior to starting any work, the Contractor will meet with the Corix Contact to review the Contractor's scope of work and job safety. Depending upon the complexity of the work or unusual hazards, the Contractor may be asked to complete a Pre-Project Hazard Assessment (PPHA). The PPHA must be completed, reviewed and approved by the Corix POC prior to starting work.

# 4.26 SAFETY SIGNS & SAFEGUARDS

The Contractor is responsible to ensure compliance with all applicable regulations, as listed in section 7.

Contractors shall provide, display and maintain relevant safety signage, lights, barricades, railings and other necessary safeguards to protect individuals on, about, or adjacent to the immediate work area as required by conditions, hazards and progress of the work project.

Contractors shall comply with all existing safety warning / caution signs as posted on Corix property.

Contractors shall ensure that appropriate signs, barricades, flashing light barricades, ground attendants, and flagging, are utilized to keep unauthorized personnel out of the work areas.

Highly visible physical barriers shall be utilized by Contractors to block off areas where Corix personnel and others not directly involved with the project could likely walk through a work area.

Substantial barricades, such as standard guardrails, are required around excavations, holes, or openings in floors, roof areas, edges of roofs, and elevated platforms. In addition, barricades are required around overhead work and wherever necessary to warn or protect all personnel.

## 4.27 SMOKING

Smoking and tobacco use, including e-cigarettes, is permitted in designated smoking areas only, which are clearly identified by signage. Any spent smoking material should be discarded in a designated receptacle.

# 4.28 TOOLS, EQUIPMENT & UTILITIES

Corix does not allow Contractors to use company equipment or materials without proven aptitude for the safe use of the component, and consent by Corix management and the Contractor. The Contractor is responsible for completing safety inspections prior to use and is responsible for all wear, damage and replacement cost of equipment that is used or material that is borrowed or consumed. Contractors shall not use any equipment or material that is found to be damaged or defective. The proper equipment and lifting practices are to be used on all loads being moved about the work area. Leaving any piece of equipment running unattended is prohibited. Driving or operating equipment on a Corix worksite while using a mobile device is prohibited.

Lift trucks and powered vehicles must comply with all applicable regulations, as listed in section 7.



- No gasoline or diesel-powered engines are permitted in the facility without prior approval from Corix Contact or designee.
- Equipment operators must clean up all hydraulic fluid or oil spills. Leaky trucks or equipment are not permitted in the facility.
- Powered Industrial Truck operators must present their qualifications upon request.

Contractors shall not utilize any Corix powered equipment unless all of the following have been met:

- Corix management has provided written approval for use (Vehicle / Equipment Authorization Form).
- Contractors accept full responsibility for use of equipment and any injury or property damage related to operation of equipment.
- Contractors provides proof of competency to Corix management.
- Corix is not currently using the equipment.

The use and inspection of hand and power tools on Corix property shall meet or exceed all applicable regulations, as listed in section 7.

It is expected that the Contractor arrives with all tools necessary to complete their work. Unless given explicit permission via the Vehicle / Equipment Authorization Form, Contractors shall not utilize Corix power tools. Contractors assume full responsibility for the safe use of any power tool including injury, repairs or replacement costs.

Personnel using electrical tools and equipment shall visually check each tool prior to use for external damage or defect. Personnel must:

- Examine tools and extension cords carefully for worn insulation, exposed strands of wire, and / or missing ground plugs before using.
- Tools or cords that are found to be defective shall not be used.
- Electrical tools and cords must always be stored in their proper place and not left where they create a hazard or can become damaged.

Gasoline, diesel or other fuel-powered tools / generators are not to be used inside of any building or near air intake unless specific approval in each instance is obtained from the Corix Contact or designee. In the event gasoline or propane equipment is utilized, Contractor will provide monitoring of CO levels and ensure procedures and training is in place in the event of excursion. Utilizing a Corix-owned tool without permission may be grounds for immediate dismissal from the property.

**Corix ladders and scaffolding are for Corix personnel only**. If a Contractor requires temporary use of a ladder or scaffold, they must contact Corix personnel directly before utilizing the equipment. Corix personnel will accompany Contractors to the area to review the intended use of the ladder / scaffold and will either consent to the use or deny use of the equipment. Utilizing a Corix-owned ladder or scaffold without permission may be grounds for immediate dismissal from the property.

Page 19



### Ladders

The use and erection of ladders shall comply with all applicable regulations, as listed in section 7.

- Ladders must be rated for the intended use and work height. Ladders shall be inspected before use on a monthly basis by a competent person. Ladders must not be defective or damaged in any way. Defective ladders shall be tagged and removed immediately from the facility site.
- Ladders shall not be used in front of doorways without posting or otherwise protecting the area.
- All ladders shall comply with all federal, state / provincial and local laws, rules and regulations.
- All extension ladders shall be tied off at the top or a second person will hold and secure the ladder at the bottom.
- Contractors shall use a personal fall arrest system when they are exposed to a fall below the level of the ladder.
- Contractors shall comply with all of the manufacturer's recommended maintenance and safety requirements.

#### Scaffolding

All scaffolding must be erected and used in accordance with all applicable regulations, as listed in section 7.

- Scaffolds and scaffold components shall be inspected for visible defects by a Competent Person prior to initial use, before each work shift, and after any occurrence, which could affect a scaffold's structural integrity.
- All scaffolds shall be designed by a Qualified Person or manufacturer and shall be erected, loaded, and used in accordance with that design or manufacturer's specifications.
- Scaffolds shall be erected, altered, moved, or dismantled by trained scaffold erectors and under the supervision of Competent Persons.
- Employees are required to perform work on scaffold platforms shall be trained in the recognition and control measures for the hazards associated with the type(s) of scaffold being used.
- (US Only) All scaffolding used on site that has a working surface higher than six feet have guardrails. Each guardrail will consist of a top rail (height between 36 and 42 inches), midrail and toe board (3.5 inches minimum height).
- (Canada Only) Guard rails horizontal top member between 920 MM & 1070 MM above the base of the guard rails and a mid-rail spaced midway between the base and top rail, Toe boards installed after 1.8 Meters deck base height, toe board is not less than 140 MM in height above surface work area and the space between the baseboard and deck base not more than 6 MM high.
- Contractors shall use a personal fall arrest system when they are working on scaffolding that
  has a working surface higher than ten feet but does not have a proper guardrail or complete
  deck.
- Contractors shall comply with all of the manufacturer's recommended maintenance and safety requirements.



# Aerial Lifts / Scissors Lifts

- Contractors shall use a fall arrest system at all times during their work in an aerial lift and scissors lift.
- Contractors shall comply with all of the manufacturer's recommended maintenance and safety requirements.

Corix-owned materials are not to be used at the discretion of the Contractor. Any Corix material utilized by a Contractor must be pre-approved by Corix Point of Contact or designee. All materials used shall be documented and the document provided to Corix at the completion of daily work.

Due to the inherent importance of utility services to the operating reliability of Corix plants and facilities, no Contractor shall attempt to connect to any utility service without specific approval by the Corix operations or technical departments.

The exception is that Contractors may use electrical receptacles of 110V and connected water hoses ( $\frac{1}{2}$ " to 1 $\frac{1}{2}$ ") located throughout the site with proper backflow protection in place.

# 4.29 VEHICLES

Vehicles used on Corix properties must be cleared in advance through the Corix Contact.

Corix expects that Contractor personnel will have valid driver's licenses (and other certification as required) for the vehicles they use, that they will obey traffic laws and that they will take basic safety precautions when driving.

Vehicles will not drive on pond levees and will confirm stability before driving on ground.

## 4.30 WORKING OVER OR NEAR WATER

Work over / near water must be included in the Pre-Project hazard assessment and a job hazard assessment must be conducted and reviewed periodically by a competent person. All potential hazard(s) involved in the work over / near water, e.g., drowning, overturning of mobile plant / equipment into water and collapse in confined spaces, should be identified, listed out and addressed.

The Job Safety Plan must include work over / near water and all control measures in place prior to preforming the work and regularly reviewed and revised as appropriate. The safety plan shall include but not limited to the following:

- Planning of work
- Formulation of method statements / safe working procedures
- Emergency preparedness, e.g. contingency plans, rescue / evacuation arrangements

Contractors working over or near water shall don a USCG-approved and the CGSB-approved life jackets or buoyant work vests when working within 6 feet from the water's edge or where the danger of drowning exists. Additional measures should be identified and taken such as: another employee onsite, guardrails, etc.



Revision: 3/24/2021

Prior to and after each use, the buoyant work vests or life preservers shall be inspected for defects which would alter their strength or buoyancy. A PFD must provide a minimum buoyancy as required by regulation / legislation. Defective units shall not be used.

Corix will provide ring buoys with at least 90 feet of line shall be provided and readily available for emergency rescue operations. Distance between ring buoys shall not exceed 200 feet.

All Contractors performing services related to environmental compliance, planning or remediation shall provide written assurance that they have and will maintain in effect insurance that provides coverage for risks resulting from the release of hazardous substances or contaminants to the environment.

Contractors shall comply with all applicable provisions of Federal, State, and Local environmental regulations. Furthermore, the Contractor shall use reasonable efforts to implement environmental responsibility concerning its products and processes including, where applicable, pollution prevention and waste reduction programs.

## 5.1 WASTE MANAGEMENT

Wastes generated on behalf of Corix should be managed in accordance with the instructions of the Corix Contact. In general, storage must be safe and environmentally responsible. Records must be kept of wastes generated, stored and disposed of. Disposal is always subject to Corix's approval.

Waste management starts with the selection of materials and processes. When selecting materials, prior to ordering, plan for the disposal or recycling of the excess and the waste material.

When waste materials are generated, they should be segregated in a way that minimizes the need for disposal and the costs of disposal. Recyclable materials should be separated from non-recyclable materials. Mixing may reduce disposal options and increase the costs of disposal.

## 5.2 WASTE DISPOSAL

Project waste materials including hazardous or otherwise regulated waste must be accumulated, stored and disposed of properly by the Contractor and agents of the Contractor.

The storage and disposal of waste materials must be pre-approved by the Corix Contact, designee and / or Site Environmental Coordinator.

## 5.3 SPILL PREVENTION & CONTROL

- Project equipment and materials on Corix property must be used and stored so as to minimize the risk of spills and releases.
- The Corix Contact or designee must pre-approve the use and storage of materials on Corix property.
- All chemical spills must be reported even if you do not require any assistance to address the spill. Contractors shall identify the location of the spill and the substance, if known, and if medical assistance is needed.
- Contractors shall prevent others from entering an area of a chemical spill until the local emergency services arrive or the area has been properly cleaned.



• Do not attempt to clean the spill unless you have been properly trained and have the necessary personal protective equipment and other materials.

## 5.4 CHEMICAL / SUBSTANCE DISPOSAL

- All Chemicals MUST be approved by HSE before being brought onto Corix property.
- Contractors are responsible for the safe and legal disposal of all chemical and substances brought and / or used onsite.
- No chemical or substance waste is to be placed in Corix refuse containers or released into the air, water or soil.
- Whenever possible, chemical recovery or recycling should be utilized.
- Chemical waste storage must be discussed with the Corix Contact or designee and Corix Environmental Services prior to generating any waste.

## 5.5 STORM WATER POLLUTION PREVENTION PLAN (SWPPP) & EROSION CONTROL

Where applicable the Contractor and agents of the Contractor must certify understanding and compliance with the Site Storm Water Pollution Prevention Plan to the Corix Contact or designee.

When requested, the Contractor will be responsible for erosion control.

### 5.6 AIR QUALITY STANDARDS

Work will be conducted to ensure the safety of all onsite individuals and to remain within all air quality standards to ensure work remains within any opacity limits, and dust or visible emissions do not extend beyond the property line. This may include but not be limited to:

- Dust from roads or construction (i.e., use wet methods)
- Generator use of continuous emissions (i.e., ensure proper recordkeeping)
- Sandblasting tanks (i.e., use dust screens)

All work must meet the standards of any existing Corix Air Permits or the State Implementation Plans and local ordinances.

## 5.7 EXCAVATING SOIL

Any soil containing hazardous substances (CERCLA) should be handled in accordance with Federal and State contaminated sites regulations. In many instances, a contaminated site's work plan will need to be approved by the State. If any unknown hazardous substance is discovered during work, work will be halted immediately and reported to a Corix Contact. No contaminated soil should leave the site without written approval from Corix. Any designated contaminated site must have preventive measures in place to prevent access by any unauthorized personnel. All workers must be properly trained to work in a contaminated site, and they must wear all appropriate PPE.

No soil should be placed into a waterbody or wetland. If the project requires dredging from a waterbody or soil placement in a waterbody or wetland a permit under Section 404 of the CWA will be required.

No soil should be disturbed that impacts critical habitat under the Endangered Species Act (ESA).



Follow Silica written safety program for any tasks that may generate silica.

### 5.8 DEWATERING

No dewatering activities should be conducted without prior approval from Corix. In many instances, excavation and groundwater dewatering will require a permit.

### 5.9 **HISTORIC PROPERTIES**

No work shall impact historic properties without prior approval from Corix. Many states require prior approval or permit from the State Historic Preservation Officer.

### 5.10 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

For projects that involve federal funding, NEPA requirements may have to be met. NEPA requires that all environmental impacts are analyzed prior to the commencement of work.

### 5.11 MIGRATORY BIRD TREATY ACT (MBTA)

No work shall negatively impact a protected bird species under the MBTA. This includes removing nests and clearing habitat areas. All work must halt immediately if a protected species or habitat is discovered during work. Consultation with the U.S. Fish and Wildlife Service is required.

### 5.12 PESTICIDES, HERBICIDES & INSECTICIDES

No pesticides, herbicides or insecticides should be used without prior approval from Corix. If the use of these substances is authorized, many uses require a permit prior to use.

## 5.13 FLOOD PLAINS

No work shall be conducted in a designated Special Flood Hazard Area (SFHA) with first obtaining a permit from the local or federal permitting authority.

## 5.14 SURFACE OR GROUND WATER USAGE

Some work may require water to be used for dust suppression and / or additive to a work process. No water should be drawn from surface water or groundwater without prior approval. Some states require water rights approval prior to water withdrawal.

The purpose of this policy is to ensure that each Contractor and Subcontractor understands and abides by the rules and regulations that govern Corix.

It is hereby understood that the following disciplinary actions may be taken by Corix for violation of any of the governing rules and regulations including, but not limited to:

- Not wearing required personal protective equipment while in regulated areas
- Violation of lock-out / tag-out procedures
- Entering a permit-required confined space without a permit

Page 24



- Lack of required fall protection
- Performing hot work without a permit
- Improper disposal of hazardous materials
- Theft or Vandalism

Disciplinary action may be taken for violations of the Corix health, safety, and environmental (HSE) policies that each Contractor has been trained and advised in.

Corix maintains full management rights to discharge Contractors and their employees immediately for violations of health, safety and environmental rules (depending on the severity of the infraction and hazard). Corix's disciplinary action is generally a progressive process consisting of the following steps:

- First violation documented verbal warning
- Second violation written notification and removal of offending employee from site
- Third violation written notification and Contractor removal from site

Contractor / Subcontractor's employees will be assessed as a group. Violations will be issued to the Contractor / Subcontractor as an entity, with the name of the offending individual documented on the written warning. Individual employees will only be distinguished from the group in the issuance of a second violation, resulting in removal of the offending employee from the Corix site.

These disciplinary actions will be strictly enforced, without appeal rights.

Section	Title	Regulation
4.3	Alcohol, Drugs & Firearms	BC OHS – Part 4 – General Conditions SAF-CDM-CBP-01-18-V6 Canadian Model for Alcohol & Drug Guidelines
4.4	Asbestos Abatement	OSHA Construction Standard Subpart Z (1926.1101) Clean Air Act (NESHAP 49 CFR 13658) BC OHS – Part 6 – Substance Specific Requirements AB OHS – Part 4 Chemical Hazards, Biological Hazards & Harmful Substances CSA Z94.4- 18 – Selection, Care & Use of Respirators
4.6	Bloodborne Pathogens	BC OHS – Part 4 – General Conditions AB OHS – Part 35 – Health Care Industries with Biological Hazards
4.7	Competent Person	BC OHS – Part 1 – Definitions AB OHS – Part 1 – Definitions
4.8	Compressed Gas Cylinders	BC OHS – Part 5 – Chemical Agents * Biological Agents AB OHS – Part 10 Fire & Explosion Hazards



4.9	Confined Space Entry	BC OHS – Part 9 – Confined Spaces AB OHS - Part 5 Confined Spaces CSA Z1006 – 16 Management of Work in a Confined Space
4.10	Electricity & Electrical Equipment	OSHA Construction Standard Subpart K (1926.400 – 449) OSHA General Industry Standard 1910.333 (US) BC OHS Part 19 – Electrical Safety AB OHS – Part 40 – Utility Workers – Electrical CSA Z462/NFPA 70E
4.11	Emergency Response	BC OHS – Part 4 – (General Conditions Emergency Preparedness & Response AB OHS – Part 7 – Emergency Preparedness & Response
4.12	Excavation & Trenches	OSHA Construction Standard 1926.651 BC OHS – Part 20 – Construction, Excavation & Demolition AB OHS – Part 32 – Excavating & Tunnelling
4.13	Fall Protection	OSHA Construction Standard 1926 Subpart M (1926.500 - 503) OSHA 29 CFR 1910 Subpart D (Walking / Working Surfaces, including Ladders) BC OHS – Part 11 – Fall Protection AB OHS – Part 9 – Fall Protection
4.14	Fire Extinguishers	BC OHS – Part 31 – Fire Fighting AB OHS – Part 7 – Emergency Preparedness & Response NFPA 10 standard for portable fire extinguishers
4.15	Fires	BC OHS – Part 31 – Fire Fighting AB OHS – Part 10 – Fire & Explosions Hazards
4.16	Hazard Assessments	BC OHS - Part 4 – General Conditions AB OHS – Part 2 – Hazard Assessment, Elimination & Control CSA Z1002 – Hazard Identification Elimination Risk Assessment Control
4.17	Hazardous Materials	BC OHS – Part 5 – Chemical Agents & Biological Agents AB OHS – Part 4 Chemical Hazards, Biological Hazards & Harmful Substances
4.18	Hot Work	OSHA Construction Standard Subpart J (1926.350 – 353) BC OHS – Part 12 – Tools, Machinery & Equipment AB OHS – Part 10 – Fire & Explosion Hazards
4.19	Housekeeping	BC OHS – Part – Part 4 General Conditions AB OHS – Part 12 – General Safety Precautions
4.20	Incident Reporting & Investigation	BC OHS – <u>section 68</u> of the <i>Workers Compensation Act.</i> AB OHS – OHS Act s.40(2b)
4.21	Lockout / Tag-Out	BC OHS – Part 10 – De Energization & Lock Out Part 15 – Managing the control of hazardous energy

-

-



		CSA Z460 – 13 Control of Hazardous Energy – LOTO Methods
4.22	Mobile Device Usage	
4.23	Overhead Work	OSHA Construction Standard Subpart M (1926.500 – 503) BC OHS – Part 14 – Cranes & Hoists AB OHS – Part 22 Safeguards
4.24	Personal Protective Equipment (PPE)	BC OHS – Part 8 – PPE AB OHS – Part 18 – PPE CSA Z96 – High Vis Apparel CSA – Z94.2 – Hearing Protection ISO 16321 – 1 Eye & Face Protection – General Use ANSI Z358.1 Eye Wash Station Requirements
4.25	Pre-Project Hazard Assessment	BC OHS – Part 4 – General Requirement AB OHS – Part 2 – Hazard Assessment, Elimination & Control
4.26	Safety Signs & Safeguards	OSHA Construction Standard Subpart G (1926.200) BC OHS – Part 4 – General Conditions AB OHS – Part 22 – Safe Guards
4.27	Smoking	
4.28	Tools, Equipment & Utilities	OSHA General Industry Standard Subpart B (1910.178) OSHA Construction Standard Subpart I (1926.300 – 305) OSHA Construction Standard Subpart X (1926.1053) OSHA Construction Standard Subpart L (1926.451) BC OHS – Part 12 – Tools, Machinery & Equipment AB OHS – Part 25 – Tools, Equipment & Machinery
4.29	Vehicles	BC OHS – Part 17 – Transportation of Workers AB OHS – Part 22 – General Safety Precautions
4.30	Working Over or Near Water	46 CFR part 160 ( <u>https://www.ecfr.gov/current/title-46/part-160</u> ) BC OHS – Part 32 – Evacuation & Rescue AB OHS – Part 19 – PPE
5.1	Waste Management	
5.2	Waste Disposal	
5.3	Spill Prevention & Control	TDG / WHIMIS
5.4	Chemical / Substance Disposal	TDG / WHIMIS
5.5	Storm Water Pollution Prevention Plan (SWPPP) & Erosion Control	
5.6	Air Quality Standards	Air Quality Health Index (AQHI)

-



5.7	Excavating Soil	BC OHS – Part 20 – Construction, Excavation & Demolition AB OHS – Part 23 – Excavating & Tunnelling
5.8	Dewatering	
5.9	Historic Properties	
5.10	National Environmental Policy Act (NEPA)	
5.11	Migratory Bird Treaty Act (MBTA)	
5.12	Pesticides, Herbicides & Insecticides	
5.13	Flood Plains	
5.14	Surface or Ground Water Usage	
6	Consequences	

I understand and agree to comply with these policies, responsibilities and requirements, as well as all federal, state, provincial and local laws, codes and regulations.

- Contractor hereby acknowledges receipt of the Program entitled Corix Health, Safety and Environment Handbook and the Corix Contractor HSE Guide (HSE Material).
- Contractor understands that the HSE Material are intended to provide only an overview of HSE practices and procedures, as well as a general corporate statement regarding health, safety and environmental matters.
- Contractor acknowledges that the general framework contained in the HSE Material are and will continue to be supplemented by detailed practices and procedures.
- Contractor will become thoroughly familiar with and abide by the requirements as reflected in HSE Material and other company and regulatory requirements.
- The Contractor will review all pertinent HSE practices / regulations with his or her employees and Subcontractors prior to commencing work at any company location.
- This Acknowledgement Form shall not alter or amend the terms of its written contractual arrangement with Corix, nor shall it alter the status of Contractor as an independent Contractor.
- Contractor acknowledges its obligation to take responsibility for compliance with all safety and environmental rules, regulations, ordinances, and other laws.
- Contractor acknowledges that the guidelines contained in the Program are designed to mitigate, to the extent possible, the occurrence of incidents at the work site.



HBK-001

Revision: 3/24/2021

- The Contractor is responsible for ensuring that all employees, Subcontractors, and company personnel in the Contractor's work area comply with these practices and that persons or property are protected from injury and damage as a result of Contractor's operations on the work site.
- Contractor should immediately direct any questions, comments or concerns that arise relating to this Program or any other company safety matter to their Corix Point of Contact.
- Contractor has completed the required training

As a Contractor for **Corix**, I recognize and agree with the above policy and I understand it is my responsibility to ensure that the employees and Subcontractors of my company comply with **All Corix HSE Material**, **procedures and all future documentation and requirements**. I further understand that noncompliance with the intent of these requirements may result in the dismissal of individuals from Corix worksites and / or cancellation of my contract.

Name (print): Mike Floyd

Signature: \_\_\_\_\_\_ Mike Floyd

Job Title: President

Date: 11-15-24

Company Name: \_\_\_\_ Floyds Construction Inc



-

The following letter must be reviewed, signed and dated by the Contractor Representative.



The undersigned duly authorized representative of the Contractor named below ("Contractor") acknowledges, on behalf of Contractor, that Contractor:

## • Commitment to Health, Safety and Environment

- Understands that safety is paramount and understands all their health and safety and environmental obligations. Contractor is aligned with Corix's commitment to an HSE incident free workplace.
- Will comply with all relevant work health and safety, environmental and workers compensation legislation including all acts, regulations, and codes of practice.
- Will comply with the Corix HSE Handbook, the Corix Project HSE Guide and all Corix policies.
- Will obtain all necessary permits and authorizations before commencing work

# • Commitment to Safe Workplace

- Will ensure the health and safety of Corix workers where relevant, and any other persons that may be affected by the work performed.
- Will ensure adequate supervision is provided at all times by appropriately qualified personnel and will take an active role in the engagement, verification and supervision of all Subcontractors engaged to perform work.
- Will ensure that any equipment used is appropriate for the task and is adequately risk assessed, registered, maintained and safe for use. All equipment will be properly stored and secured.
- Provides and maintains, in a safe condition, all necessary and appropriate safety equipment for workers including personal protective equipment.
- Contractor will cease work if there are any changes to risks, tasks, scope of works, the working environment or personnel, and review, and amend, if necessary, any relevant risk assessments, job safety plan, and work procedures, where necessary. Contact will train and communicate these changes to all affected employees and Subcontractors.
- Submit any Safety Data Sheets for review prior to start of work and remove any chemicals and waste every day, and once the job is complete. All waste generated by a Contractor is the responsibility of the Contractor.

## • Open Communication

- Contractor will consult, co-operate and co-ordinate activities with any other person or company who has a work health and safety duty in relation to the work being performed.
- Ensure all employees onsite are included in discussions on risk assessments, mitigation measures and participate in all training and meetings to allow for all to participate and be heard.
- Contractor will notify Corix Contact of any fatalities or disbarment of an employee from any other non-Corix worksite.



### • Contractor Programs and Policies

- Maintains programs and policies necessary to comply with all health, safety and environmental regulations and those programs and policies are provided to and reviewed with all Contractor's employees. Those programs will be made available upon request by Corix.
- Where the Contractor does not have documented health, safety, and environmental programs relevant to the work being performed, they will communicate to their Point of Contact for further direction. The Contractor may be permitted to use and comply to Corix Safety Program.

### • Training and Certification

- Ensures all workers are competent and qualified to undertake the work and have been provided with adequate information, instruction (including orientation) and are suitably authorized.
- Ensure that all Contractor employees are properly trained and evaluated to safely perform their assigned tasks and possess any required and documented training qualifications, certifications, or licenses, as applicable.
- The work scope specific hazards assessment and control plan will be reviewed with the employees performing the work?
- Will ensure that all Contractor employees have completed Corix Contractor safety orientation within the past year before beginning work and appropriately document completion of such orientation.

#### HSE Management

- Contractor will develop and maintain systems of work and procedures necessary to ensure that:
  - Any work associated with the work is conducted to the highest industry standard, in an efficient and workmanlike manner and without risk to health and safety of any persons.
  - Any procedures prepared, must be prepared by appropriately qualified and competent persons, in consultation with relevant workers and reflect relevant risk assessments. All relevant workers and persons must be trained in those procedures.
  - All hazards and risks associated with the work will be identified and controlled, including ensure adequate documentation by an appropriately qualified and competent person regarding the implementation and maintenance of such controls of such hazards and risks is maintained (i.e., Job Safety Plan and Hazard Assessments).

## • Incidents, Identified Issues, or Regulatory notice

- Immediately report to the Corix Contact, and provide documentation (statements, pictures, etc.) for, all incidents resulting in injury or illness, hazardous material spill or property damage, and near miss incidents that could have resulted in injury or property damage;
- Immediately report to the Corix Contact any complaints or statutory notices received from any regulatory agency



 Immediately and appropriately attend to all injuries and comply with all work health and safety, environment and workers compensation /rehabilitation rules, requirements. The Contractor will ensure that their Modified Work / Medical Accommodations Program requirements are adhered to.

## Inspections & Meetings

- Understands they are subject to Corix inspections and will complete their own inspections. Contractor will inform the Corix Contact of any deficiencies found as well as all measures taken to mitigate any identified hazard or risk.
- Will participate in any planned or ad hoc meetings with Corix to review performance or safety measures.
- **Stop Work Authority** Understands and agrees that all employees (Contractor, subcontract and Corix) maintain stop work authority and may exercise it at any time without any repercussions.
- **Non-Compliance** Understands that non-compliance to HSE requirements may result in the Contractor's removal from the site
- Subcontractors
  - Will notify Corix of any Subcontractors Contractor may wish to engage to provide services and affirms that they comply with all aspects above and below.
  - Will not bring Subcontractors onsite without Corix approval and evaluate subcontractor's qualification to perform the job.
  - Will provide all applicable site and project materials to the Subcontractors and ensure all Subcontractor employers receive orientation and participate in all project safety meetings.
  - Will ensure Subcontractors adhere to Corix policies and comply with all HSE requirements and regulations while on the Corix worksite.

By signing below, you are acknowledging that your company understands its safety obligations and is committed to undertaking this safety journey with Corix. This form must be signed by a Director / Manager with the appropriate delegation within your company. Completed forms must be emailed to uploaded through Fusion or emailed to the Corix Point of Contact. For further questions regarding this acknowledgement please contact your Corix Point of Contact.

Contractor has HSE programs, policies and training that complies with all legislative and regulatory requirements

Contractor does not have compliant HSE programs, policies and training and requests to utilize Corix HSE programs

Contractor: Floyds Construction Inc	Contract Number:
Contractor Representative Name: Mike Floyd	
Signature: Mike Floyd	Date: 11-15-24

Page 3

GBWC\_2024 Rate Case\_Vol. 5, Page 355 of 389



То:	Great Basin Water Compan		Mark Windh	olz
Project:	Production Well 10	Quote#:	HP97985	
Date Issued:	8/16/2024	Expiration:	9/16/2024	
Reply To:	David Griego, 702-271-89	962, dgriego@www	/illams.com	Page 1 of 8
HiPower Power Sys				
	/kVA UL2200 Generator Set One			
Standby rated at 0.	8 Power Factor, 480Y/277 Volt 3 I		blows for OUTDOOR a	application:
		Reviewed. No Comments. Reviewed. Exceptions Noted. No Resubmittal R	equired.	
Engine:		Reviewed. Exceptions Noted. Revise & Resubm     Rejected. Resubmit.	it.	
- HDI 160F		Submittal Comments: The engineer's review of shop drawings is for general conformance to the project's design concept and the contract documents. The contra	with ocfor	
-	Crankcase Ventilation System	is solely responsible for, and this review does not include: confirmin correlating quantities and dimensions; selecting fabrication processe and techniques of construction; coordinating with other trades; and	g and is	
<ul> <li>Engine Coolant</li> </ul>	50/50 Mix, and Engine Oil	performing all work in a safe and satisfactory manner. Corrections o comments made on this submittal during this review do not relieve th contractor of basic responsibilities under the contract. It is the Electr Contractors responsibility to review the submittals to ensure electrica	r re ical	
<b>o</b> '' o (		PK ELECTRICAL, Inc.	". n.	
Cooling System:		Date: 20 August 2024 By: ddreyer		
	adiator, 50°C (122°F)Capability			
	gine Jacket Water Heater, -20°F Bl	lock Heater, 2500W, w	with ball type isolation v	valves.
(208V 1PH input	I)			
Starting Sustan O	tr ( Opp (1))			
Starting System, Q				
<ul> <li>Electric Starting</li> </ul>				
<ul> <li>Battery Charging</li> <li>Oto Orac (1) Data</li> </ul>		:	- <b>b</b> 1	
•	ttery Set, 12VDC Lead Acid type w	•		
	amp, Battery Charger., NFPA 110	Mounted and wired 2	.06VAC input required.	
Instrumentation &	Controls			
	ctronic Governor (frequency reg. +/	- 25%)		
<ul> <li>Control Panel, U</li> </ul>		2070)		
	al Genset Controller integrated gen	erator set control syst	ems Provides genset	control
	erfacing, metering protection and p			oontrol,
	res: Phase Imbalance (47), Overvo			vv (81LI)
	10) 7 Digital Inputs, 3 Dedicated A			
Form A 2-amp	(10) 7 Digital inputs, 5 Dedicated A			mp, 4 Digitai
The followin	g optional features are included:			
	Fuel Level Pre-Alarm			
	cal Low Fuel Level Alarm			
- Volt	age Adjust Control			
	quency Adjust Control			
<ul> <li>Qty. One (1), Re</li> </ul>	mote Annunciator Panel – NFPA 1	10 (Shipped Loose an	d Installed by Others)	
<ul> <li>Remote E-Stop</li> </ul>	(Shipped Loose and Installed by Ot	thers)		
Generator (Alternat				
	itch, Permanent Magnet Generate	or (PMG) Alternator ra	ited for 150kW/187kV	A at 130°C
temp rise.				
Circuit Brooker				
<u>Circuit Breaker:</u> – Factory Mounted				
•	o 3 Pole, 100% Rated, LSI			
- 200 AM				

-

GBWC\_2024 Rate Case\_Vol. 5, Page 356 of 389



То:	Great Basin Water Compa	ny Attn:	Mark Windho	olz
Project:	Production Well 10	Quote#:	HP97985	
Date Issued:	8/16/2024	Expiration:	9/16/2024	
Reply To:	David Griego, 702-271-8	8962, dgriego@wwv	villams.com	Page 2 of 8
Generator Enclosu				
	kimum Sound Attenuated Enclosure	e		
<ul> <li>Steel Const</li> </ul>				
	ormance: <b>72</b> dB(A) at 23 feet			
	l at 130 mph			
<ul> <li>AC Lighting</li> </ul>				
<ul> <li>Door Restra</li> </ul>				
<ul> <li>Convenience</li> </ul>	e Outlet			
Exhaust System:				
	ilencer with Stainless Steel Flex, E	bow and Rain cap.		
	,			
Vibration Isolators				
<ul> <li>Vibration Iso</li> </ul>	olators: Elastomeric Pad Isolators (	(Standard)		
Fuel System				
Fuel System:				
	n UL 142 Sub-Base Tank with E	lectrical Stub-Up		
Standard Features:				
<ul> <li>Fuel fill drop</li> </ul>				
	mergency Vent			
- Emergency	vent			
– Manual fill				
<ul> <li>Lockable fill</li> </ul>	•			
<ul> <li>Level alarm</li> </ul>				
– Basin drain				
	supply and return dip tubes			
<ul> <li>Leak detect</li> </ul>				
<ul> <li>Black paint</li> </ul>				
	containment			
<ul> <li>Electrical structure</li> <li>capabilities</li> </ul>	ub-up area: Provides space for ger	nerator set electrical co	onnections and internal	wiring
-	parates cold engine supply fuel from	n hot returning fuel (ac	ditional baffling as requ	uired for
structural in	• • • •			
	auge: A direct-reading fuel level ga	urae with electric send	er	
Optional Features:	augo: / an oot reading fact level ge			
	ada requirements: High Fuel Switch	n (90%). Fuel Alarm Pa	anel, Fuel Fill Spill Cont	ainment (5
	erfill Prevention Valve, Fire Rated F			
	uel Fill Drop Tube, Fuel Supply Che			
	I Leak Switch		, (	
Warranty:	14 1114 A D 100000			
<ul> <li>Standard Li</li> </ul>	mited Warranty 2 years/2000 hours	5		
Instruction Manual	s:			
	<u>rs.</u> CD Copy: One (1) Set			

The W.W. Williams Company, LLC • 2680 Losee Road • North Las Vegas, NV 89030 GBWC\_2024 Rate Case\_Vol. 5, Page 357 of 389



To: Great Basin Water Company		/ Attn:	Mark Windholz	
Project:	Production Well 10	Quote#:	HP97985	
Date Issued:	8/16/2024	Expiration:	9/16/2024	
Reply To:	David Griego, 702-271-89	62, dgriego@ww	willams.com Page 3	of 8

# Factory Testing:

- Standard Factory Test at 0.8 Power Factor

## **Onsite Services:**

- NFPA 110 Start-up inspection includes One (1) Trip with Four (4) hour load bank test using portable resistive load bank, to be completed during normal business hours, Monday thru Friday (excluding holidays).
   Additional trips or hours onsite, due to construction or other delays beyond our control, will be billed at extra cost at prevailing rates.
- Training of operating personnel
- Simulated power outage test using available site loads during start-up.

# Automatic Transfer Switch:

- One (1) ASCO Service Entrance 300 Series, 400 Amp, 480V, 3 pole, Solid Neutral, Nema 3R Enclosure With the following options:
  - 6DL: Manual or automatic retransfer to normal with amber alert light to indicate manual retransfer mode
  - 11BE: Feature Bundle Includes Engine Exerciser, Event Log, RS 485 Enabled, Common Alarm, Output Contact.
  - 31Z: Selective load disconnect circuit to provide a pre- and/or post-signal when transferring from emergency to normal and/or normal to emergency. The signal can be programmed to occur during all transfers or only when the transfer is occurring between two live sources. The length of the pre and post transfer delays can be set to 0-5 minutes 59 seconds.
  - **44G:** Strip heater w/thermostat, wired to load terminals: 208-600 volts
  - 125A: This Product Meets or Exceeds the Requirement of The International Building Cond for Importance Factor 1.5 Electrical Equipment. For use in Zone 4 or Less Severe Seismic Regions.

NET PRICE (2025 Delivery): ......\$58,863.00 FREIGHT ESTIMATE (F.O.B. Factory Shipping Point, Freight Prepaid and Add):.....\$3,324.00

•Please note: Final pricing of all items included in this quote is subject to change, without notice, by W.W. Williams. Enclosures may be repriced within 30 days of production, as we cannot prepurchase the required warehouse metals necessary to hold pricing firm. Generators are subject to repricing when the manufacturer places the unit into production, based on the applicable Manufacturer's amended pricing to reflect costs at the time of manufacture. A change in pricing does not allow for the cancelation, termination, or modification of any purchase order resulting from this quote.

This quote is based on standard equipment intended to meet, or be substantially comparable to, our understanding of the project requirements only, based on review of: Specifications 26.32.13 and Drawing(s) E0.3.

## NOTES(N), CLARIFICATIONS(C), DEVIATIONS(D), AND EXCEPTIONS(E):

1.	(N) NETA testing not included (Provided by Others).
2.	(N) All Interconnect Wiring (AC & DC) must be stranded wire.
3.	(N) No testing is provided for ground fault at the job site (Provided by Others).
4.	(N) Gensets not started-up within six months of shipment may require preservation at additional cost.
5.	(N) Price does not include diesel fuel for startup and testing.

GBWC\_2024 Rate Case\_Vol. 5, Page 358 of 389



To:	Great Basin Water Compan	y Attn:	Mark Windho	olz
Project:	Production Well 10	Quote#:	HP97985	
Date Issued:	8/16/2024	Expiration:	9/16/2024	
Reply To:	David Griego, 702-271-89	962, dgriego@ww	willams.com	Page 4 of 8
6. (N) Price o before fue	loes not include fuel tank testing or ling.	permitting, which ma	ly be required by your lo	cal AHJ
7. (N) Price c	loes not include offloading or installa	ation of the equipme	nt or shipped loose item	s at job site.
	loes not include any applicable loca			
	loes not include genset freight, whic r fluctuate by time of delivery.	h is pre-paid and ad	d. We have provided ar	n estimate
our experi	Williams offers comprehensive sche enced field service technicians for a aintenance agreement, tailored to m	II makes of emergen	cy power systems. A cu	ustomer
	Williams reserves the right to correc	t errors or omissions		
submittal approval a could vary. Prior to a pricing and lead tim damages, or any otl notified in writing pri We will not accept b at time of completio	time of this quotation, current lead and/or release for manufacturing. Ple releasing the order into production, e information. In no event will we be her late fees or penalties. If a speci- ior to date of order and we will acce- back charges or penalties unless we n will be sent to storage and fees ar chain constraints, W.W. Williams is	ease note that this is please contact W.W. responsible for any fic ship date is requin pt or reject the order have agreed in writi nd/or Bill & Hold will I	an estimate, and actual Williams for the most or delay damages, liquidat red for this project, we m depending on all factors ng to do so. Gensets no be applied. Due to current	I ship date urrent ted nust be s involved. t accepted nt market
10% Invoice 40% Invoice 40% Invoice 10% Invoice With Approved Cree Past Due. <b>90% OF</b>	Net 30 based on the following invoi ed upon delivery of Submittals ed upon receipt of Release for Manue ed upon Shipment of Equipment ed upon the sooner of completion of dit, Otherwise C.O.D A 1 ½% (18% JOB TOTAL MUST BE PAID BEF e those on the last page of this do	Ifacturing Start-Up or 60 days 6 APR) Finance Cha <b>ORE START-UP IS</b>	rge Will Be Applied To A	
Acceptable metho	ds of payment include cash, chec	k, ACH, wire, or de	bit card.	
-	istomers, or need to update terms le at <u>credit@wwwilliams.com</u> .	s, to help expedite <u>;</u>	your order please fill o	ut our
	nat W.W. Williams, along with the rest of our in in production at the mills in 2020 due to deman			-
	illiams suppliers are doing their very best to att creative ways to meet the needs. Please be adv			l up until now,
beyond normal variations and currently will hold our	issue has come at tremendous financial expense that we typically can absorb. That said, W.W. W quote prices for ten (10) business days. We also parts. insulation shortaaes. & more.	/illiams will be forced to re-	price all orders based on the ste	el cost increase,

The W.W. Williams Company, LLC • 2680 Losee Road • North Las Vegas, NV 89030 GBWC\_2024 Rate Case\_Vol. 5, Page 359 of 389

due to the steel, electrical parts, insulation shortages, & more.



To:	Great Basin Water Company	/ Attn:	Mark Windhol	Z
Project:	Production Well 10	Quote#:	HP97985	
Date Issued:	8/16/2024	Expiration:	9/16/2024	
Reply To:	David Griego, 702-271-8962, dgriego@wwwillams.com			Page 5 of 8

Be assured that our cost increase to you is based upon accurate data. Our vendors carefully watch the CRU Index each quarter to determine our steel cost. If required, we will provide you with the CRU Index values from the quarters affecting your pricing. If needed, you may share this information with your customer or management team to justify the new cost.

We thank you for your understanding on this issue. We are very sorry that this situation has arisen, but we are doing everything in our power to get through this with the least harm to our valued customers.

W. W. Williams offers comprehensive scheduled service maintenance agreements performed by our experienced field service technicians for all makes of emergency power systems. A customer service maintenance agreement tailored to meet your facility's requirements will be quoted upon request.

David Griego

Power Generation Sales The W.W. Williams Company, LLC **ELECTION TO PURCHASE:** 

□ PURCHASE - If a purchase order is written, we will also require that you sign and date this proposal in the following space provided. Please include this signed proposal with your purchase order. We will not order any equipment until you have submitted a credit application to W. W. Williams and it has been approved by W. W. Williams.

DATE October 1, 2024 ACCEPTED FIRM NAME: Great Basin Water Co. BY:

A PO# will be issued once W.W. Williams is set up as a vendor.



	To:	Great Basin Water Company	y Attn:	Mark Windh	olz
Project: Date Issued:		Production Well 10	Quote#:	HP97985	
		8/16/2024	Expiration:	9/16/2024	
R	eply To:	David Griego, 702-271-89	62, dgriego@ww	willams.com	Page 6 of
		TERMS AND	CONDITIONS		
ese Tei	rms and Condition	s apply to all sales transactions with The W.W. W	illiams Company, LLC, inclu	iding quotations, purchase order	rs, service orders,
es orde	ers, or similar docu	uments:			
1.		. These Terms and Conditions and the applicabl			
		omplete, exclusive and final agreement (collective . All other additional or conflicting terms or con			
		or other similar document are expressly objected			-
	-	itions may only be modified, superseded or alter			
	by Williams shal	l be taken as Buyer's acceptance of these Terms a	and Conditions.		
2.		re subject to change or withdrawal without notice iams's price list in effect at the time of the ship		<b>a</b> , , , ,	
		es are exclusive of applicable taxes, excises, dutie	-	-	
	required to pay	or collect on behalf of Buyer.			
3.	Payment Terms	; Security Interest. Extensions of credit by Williar	ms are subject to credit app	proval by Williams in its sole disc	retion, which m
		revoked by Williams at any time. Unless otherw	-		-
		rithin 15 days following delivery of the goods or congrege of one and one-half percent (1 ½%) per mont			-
		est in any goods, or a mechanic's or garage keep			-
		therefore and any other amounts or charges ov			
	obligated) to file	e a financing statement or take such action as Will	liams deems advisable to e	vidence and perfect its security	interest.
4.	Delivery; Force	Majeure. Unless otherwise stated in the Agree	ement, delivery of the goo	ods, and services, if any, shall	be F.O.B. point
		lelivery date specified is approximate only. Accepted in the second s			
	-	delivery, risk of loss shall pass to Buyer. Title sha ents therefore shall become due in accordance wit			
		eet the delivery date specified by reason of any f			
	-	tal requests, restrictions or regulations, fire, flood			-
		mic, pandemic, or quarantine, national or state inability to obtain goods, labor, equipment, mate			
		ansport materials, or any other similar event, Willi	-		-
		one the delivery date(s) under this Agreement for s shall constitute a waiver of all claims for damag		e under all the circumstances.	Acceptance of th
F	-	-			
5.		<u>d Warranty; Limitations of Liability.</u> The Williams bit A hereto, shall apply to the purchase and sale			
6.	Indemnification	. Buyer shall indemnify, defend, and hold harml	ess Williams, its directors,	officers, employees and their re	espective affiliat
		n, demand, complaint, liability, loss, cost, damag			-
	and settlements	) incurred by Williams arising out of or as a result	of this Agreement, except t	to the extent caused by the negli	gence of William
7.		otherwise stated in the Agreement, claims resp			
		goods shipped or services provided to Buyer, mu			
		Buyer or the furnishing of the services by Williams cceptance of the goods or services by Buyer. Buy			
					narge to william
	without further	processing until Williams has an opportunity to in			



	<u> </u>	Great Basin Water Compan		Mark Windh	OIZ
	Project:	Production Well 10	Quote#:	HP97985	
	Issued:	8/16/2024	Expiration:	9/16/2024	
R	eply To:	David Griego, 702-271-89	962, dgriego@wwv	villams.com	Page 7 of
8.	-	iams's Remedies. If Buyer fails to make timely			
	•	other remedies available to it, may at its optic it arrangements are reestablished or (b) cancel			
	•	ffset, counterclaim, or recoupment against Wil			
		all remedies set forth in this Agreement, any ot		•	
	remedies are cun				
9.	-	and Attorney Fees. Buyer agrees to pay all of at limitation reasonable attorney fees and costs	•	<b>e</b> . ,	its due from Buyei
	(including withou	at initiation reasonable attorney rees and costs	and expenses of any conection	on agency).	
10.	Return Policy. Re	eturns must be accompanied by this invoice an	d in the original, unopened b	ox or packaging. A 15% restoc	king charge will be
	applied to all retu	urned items. No returns on electrical items. No	o returns on special order iter	ms. No returns after 30 days fr	om invoice date.
11	Technical Assista	ance. Unless otherwise stated in the Agreeme	ent: (a) any technical advice (	provided by Williams with resr	ect to the use o
	-	s furnished to Buyer shall be provided as a court			
	-	liability for any such advice or for any results o	, -		-
	sole responsibilit	y for selection and specification of the goods ar	nd services appropriate for th	e end use of such goods or ser	vices.
10	Niccollongous T		he Ctate of Ohio. The evolution		ta thia A ana ana an
12.		Fhis Agreement will be governed by the laws of t ral and state courts located in Columbus, Ohio.			-
		lity and enforceability of the remaining provision		-	
		ams reserved herein shall be cumulative and ac	•		•
	Williams of perfo	ormance or inaction with respect to Buyer's br	each of any provision hereo	f, or failure of Williams to enfo	orce any provision
	hereof which ma	ay establish a defense or limitation of liability,	shall not be deemed a waive	er of future compliance therew	vith or a course o
	performance mo	difying such provision, and such provision shall	remain in full force and effec	t as written.	
13.	Entire Agreemen	nt. This Agreement, including without limitatio	n the Terms and Conditions	and any other document incor	porated herein b
	reference, consti	tutes the sole and entire agreement between I	Buyer and Williams with resp	ect to any order or sale of goo	ds or furnishing o
	services to Buyer	, superseding completely any prior or contemp	oraneous oral or written com	imunications.	



To:	Great Basin Water Company	y Attn:	Mark Windhol	Z
Project:	Production Well 10	Quote#:	HP97985	
Date Issued:	8/16/2024	Expiration:	9/16/2024	
Reply To:	David Griego, 702-271-89	Page 8 of 8		



The W.W. Williams Company, LLC

## **Standard Limited Warranty**

### Limited warranty for parts and equipment:

The sole warranty provided for any part or equipment sold by The W.W. Williams Company, LLC ("<u>Williams</u>") is to assign the warranty offered by the manufacturer or supplier to the Buyer. WILLIAMS MAKES NO REPRESENTATION OR WARRANTY TO THE EFFECTIVENESS OR EXTENT OF SUCH MANUFACTURER OR SUPPLIER WARRANTY. WILLIAMS EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and does not assume or authorize any other person to assume for it any liability in connection with the sale.

### Limited warranty for services:

Williams warrants its workmanship for a period of ninety (90) days from the date the services are performed (the "<u>Warranty Period</u>"). This warranty covers defects in Williams's workmanship that are discovered during the Warranty Period. Buyer's sole remedy, and Williams's only liability, for Williams's breach of its service warranty shall be, at Williams's option, (i) reperforming the defective services; or (ii) refunding the purchase price paid for the defective services. WILLIAMS EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and does not assume or authorize any other person to assume for it any liability in connection with the sale.

### Limitations of Liability:

IN NO EVENT SHALL WILLIAMS BE LIABLE FOR ANY PUNITIVE, INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR UNKNOWN DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF PROPERTY OR EQUIPMENT, LOSS OF DATA, LOSS OF USE, LOSS OF TIME, LOSS OF REVENUE, LOSS OF PROFIT, OR LOSS OF INCOME, WHETHER THE DAMAGES BE IN CONTRACT OR TORT.

WILLIAMS'S TOTAL LIABILITY FOR ANY PARTS, EQUIPMENT, OR SERVICES SOLD SHALL NOT EXCEED THE AMOUNT PAID TO WILLIAMS FOR SUCH PARTS, EQUIPMENT, OR SERVICES CAUSING THE LIABILITY.

## Attachment SPA-4 to Exhibit \_\_\_\_\_

# Attachment SPA-4 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 364 of 389

Archived: Tuesday, December 3, 2024 10:15:08 AM From: <u>Angelito Accad</u> Sent: Tue, 9 Jan 2024 17:09:48 To: <u>Mike Hardy, P.E., PG, WRS Mark Windholz</u> Cc: Jason L. Hettrick Brendon Grant Subject: RE: 0270\_Great Basin Water Company\_NY-0007243-23\_Construction Completion Importance: Normal Sensitivity: None

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and verify that the content is safe.

Hi Mike,

The construction report documents for the project were received for the completion of the sanitary seal installation of well 10 (W07) and NDEP does not have any further question. The installation of the well sanitary seal can be placed into service once the well conversion is completed and operational and upon acceptance by the GBWC water system. Please provide all the required well testing results and well water quality test reports once they are made available in electronic version.

Thank you,

Angelito Accad, P.E. Professional Engineer Bureau of Safe Drinking Water Nevada Division of Environmental Protection Department of Conservation and Natural Resources 375 E. Warm Springs Road, Suite 200 Las Vegas, NV 89119 <u>aaccad@ndep.nv.gov</u> 702-668-3930 (Direct)

PROTICTION CONSERVATION

From: Mike Hardy, P.E., PG, WRS <mhardy@lumosinc.com>
Sent: Friday, January 5, 2024 10:19 AM
To: Angelito Accad <aaccad@ndep.nv.gov>; Mark.Windholz <mark.windholz@greatbasinwaterco.com>
Cc: Jason L. Hettrick <jlhettrick@ndep.nv.gov>; Brendon Grant <bgrant@ndep.nv.gov>
Subject: RE: 0270\_Great Basin Water Company\_NY-0007243-23\_Construction Completion

**WARNING** - This email originated from outside the State of Nevada. Exercise caution when opening attachments or clicking links, especially from unknown senders.

GBWC\_2024 Rate Case\_Vol. 5, Page 365 of 389

### Hi Angelito,

The construction completion report was only for the installation of the sanitary seal work and pad around Well-10. If you recall, Brendon requested that we open a New water project for the installation of the liner into Well-10. So, per NDEP's request, we wanted to make sure we close out the first water project number before we started the second water project number. In addition, we didn't know if the installation of the sanitary seal would be successful. Now that we know it was, we plan to move forward with the New water project request, which was approved for construction just before Christmas. After the casing liner is installed, we plan to conduct the pump testing and water quality work. I hope that helps to clarify the projects for you.

Thanks,



Mike Hardy, P.E., PG, WRS Senior Project Manager Engineering Division 950 Sandhill Road, Suite 100 Reno, NV 89521 775.827.6111 mhardy@lumosinc.com



CONFIDENTIALITY NOTE: This e-mail may contain confidential and privileged material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by others is strictly prohibited. If you are not the intended recipient (or authorized to receive on behalf of the recipient), please contact the sender by reply e-mail and delete all copies of this message.

From: Angelito Accad <<u>aaccad@ndep.nv.gov</u>>
Sent: Friday, January 5, 2024 9:06 AM
To: Mark.Windholz <<u>mark.windholz@greatbasinwaterco.com</u>>
Cc: Mike Hardy, P.E., PG, WRS <<u>mhardy@lumosinc.com</u>>; Jason L. Hettrick <<u>jlhettrick@ndep.nv.gov</u>>; Brendon Grant
<<u>bgrant@ndep.nv.gov</u>>
Subject: RE: 0270\_Great Basin Water Company\_NY-0007243-23\_Construction Completion

Caution! This message was sent from outside your organization.

Allow sender Block sender

Hi Mark,

We received the construction completion report documents for the project, and we are still waiting for the water quality report submittals. Please submit all the requirement as stated in the approval letter to close the project.

### Thank you,

Angelito Accad, P.E. Professional Engineer Bureau of Safe Drinking Water Nevada Division of Environmental Protection Department of Conservation and Natural Resources 375 E. Warm Springs Road, Suite 200 Las Vegas, NV 89119 <u>aaccad@ndep.nv.gov</u> 702-668-3930 (Direct)

http://dcnr.nv.gov/" style='position:absolute;margin-left:165.6pt;margintop:7.65pt;width:119.45pt;height:28.25pt;z-index:251659264;visibility:visible;mso-wrap-style:square;mso-width-GBWC\_2024 Rate Case\_Vol. 5, Page 366 of 389 percent:0;mso-height-percent:0;mso-wrap-distance-left:9pt;mso-wrap-distance-top:0;mso-wrap-distance-right:9pt;mso-wrap-distance-bottom:0;mso-position-horizontal:absolute;mso-position-horizontal-relative:text;mso-position-vertical-relative:text;mso-width-percent:0;mso-height-percent:0;mso-width-

relative:page;mso-height-relative:page' o:button="t"> <u>https://ndep.nv.gc</u> (onre:twithue: **GOO** n-left:0;margin-top:-.05pt;width:163.2pt;height:46.8pt;z-index:251664384;visibility:visiple;mso-wrap-style:square;mso-width-percent:0;mso-height-percent:0;mso-wrap-distance-left:9pt;mso-wrap-distance-top:0;mso-wrap-distance-right:9pt;mso-wrap-distance-bottom:0;mso-position-horizontal:absolute;mso-position-horizontal-relative:text;mso-position-horizontal-relative:text;mso-position-horizontal-relative:text;mso-width-percent:0;mso-height-percent:0;mso-width-relative:page;mso-height-relative:page' o:button="t">

From: Jason L. Hettrick <<u>ilhettrick@ndep.nv.gov</u>>
Sent: Tuesday, December 26, 2023 11:53 AM
To: Angelito Accad <<u>aaccad@ndep.nv.gov</u>>
Subject: 0270\_Great Basin Water Company\_NY-0007243-23\_Construction Completion

Hello Lito,

On Friday 12/22, I received some As-built drawings, a Construction Completion Report (Entire), and a construction summary report with pictures and dated explanations of what was done during the project, and a flash drive of PDFs of the same. I did not receive any water quality reports.

I was wondering if they maybe mailed you a PDF of the water quality. If not, I guess you will have to request them before you can write the Authorization to Use, correct?

Thank you,

Jason L. Hettrick Engineering Technician III Engineering Branch, Bureau of Safe Drinking Water Nevada Division of Environmental Protection Department of Conservation and Natural Resources 901 S. Stewart Street, Suite 4001 Carson City, NV 89701

(O) 775-687-9459



NEVADA DIVISION OF



ENVIRONMENTAL Protection Department of Conservation & Natural Resources

Joe Lombardo, Governor James A. Settelmeyer, Director Jennifer Carr, Administrator

November 1, 2024

Bill Coates Great Basin Water Company 1240 East State Street, Suite115 Pahrump, NV 89048 <u>Bill.Coates@greatbasinwaterco.com</u> (775) 727-5575 Michael Hardy, P.E. Lumos & Associates 950 Sandhill Road, Suite 100 Reno, NV 89521 <u>mhardy@lumosinc.com</u> (775) 827-6111

RE: GREAT BASIN WATER COMPANY (NV0000270) PUBLIC WATER SYSTEM IMPROVEMENT PROJECT: INSTALLATION OF WELLHEAD APPURTENANCES, DISCHARGE ASSEMBLY, WELL HOUSE AND WELL EQUIPPING OF THE EXISTING WELL 10 (W07) TO CONVERT THE EXISTING WELL FROM IRRIGATION WELL INTO A POTABLE WELL, CHLORINATION SYSTEM (TP06) AND CONNECT TO THE EXISTING WATERLINE DISTRIBUTION SYSTEM. In reply, please reference plan review number (NY-0007539-24)A

Dear Mr. Coates and Mr. Hardy:

The Nevada Division of Environmental Protection (NDEP), Bureau of Safe Drinking Water (BSDW), has reviewed the initial submittal and the most recent submittal received for the above-referenced water project.

The water project is hereby *approved for construction only*. Approval for construction is based on the most recently signed P.E. plan set received by BSDW and only extends to potable water infrastructure that is owned and operated by the public water system. In accordance with NAC 445A.6671, work on a water project must commence not later than 1 year after the water project is approved. The water project must be completed not later than 1 year after the date that work on the project has commenced, except that BSDW may extend this period in 1-year increments if work is being performed on the water project and BSDW receives a schedule of work and periodic updates on the progress of the water project.

In accordance with NAC 445A.66715, work performed on a water project must be performed in substantial compliance with the plans and specifications approved by BSDW. In addition, any major changes to these plans during construction, which would affect the quality or quantity of water, must be submitted to BSDW for review and approval. Work on a water project must be inspected by a qualified representative of the supplier of water. Within 30 days after the completion of the water project, the supplier of water, or qualified representative, shall submit documentation stating that the project was completed in substantial compliance with the plans and specifications approved by BSDW. In addition, please provide an electronic copy of the as-builts within 90 days of project completion in accordance with NAC 445A.66715.

As a reminder, please note the following pertinent regulations:

Per NAC 445A.67145 (6), a water main must not be placed into service until:

1. The water main has been disinfected in accordance with AWWA Standard C651.

November 1, 2024 Re: GREAT BASIN WATER COMPANY (NV0000270) - (NY-0007539-24)A Page 2 of 3

2. Analyses of the water main which indicate that the water meets primary drinking water standards for coliform bacteria (absent for coliform bacteria) have been obtained and reported to BSDW. Per AWWA Standard C651, two sets of consecutive samples must be taken from every 1200 feet of main, at the end of the line, and from each branch.

# Per NAC 445A.66885 (2), <u>after the construction of any modification or reconditioning of a water</u> well is completed and before the well is placed into service:

- 1. The well and any associated pumping equipment must be disinfected in compliance with AWWA Standard C654.
- 2. A satisfactory bacteriological analysis of a sample of the water from the well must be submitted to BSDW. Per AWWA Standard C654, at least two samples must be taken not less than 30 minutes apart after the well has been chlorinated and pumped to waste for a minimum of 15 minutes with zero chlorine residual.

Per NAC 445A.66885 (1)(a), after the construction of a water well is completed and <u>before any water</u> <u>from the well is allowed to enter a public water system</u>, the supplier of water shall submit to BSDW a copy of a chemical analysis conducted by a properly certified laboratory which indicates that the water complies with the provisions of <u>NAC 445A.450</u> to <u>445A.492</u>, inclusive. Required water quality tests can be found at <u>https://ndep.nv.gov/water/drinking-water/information-for-public-water-systems/chemical-monitoring</u> under "Water Quality Tests" and the appropriate type of public water system (Community, Non-Transient Non-Community and Transient).

# The proposed improvements must not be placed on-line until BSDW has reviewed and approved the above items and given the public water system approval to do so.

Please note that water distribution piping must be pressure tested per the applicable standard referenced in NAC 445A.67145(7). In addition, backflow prevention assemblies shall be tested upon installation and tested annually in accordance with NAC 445A.67185.

All potable water projects require ANSI/NSF-certified products. It is the responsibility of the design engineer, the owner, and the contractor to ensure ANSI/NSF certification (or approved exception) for all products that come into contact with drinking water. Future inspections of the water project may require the removal and replacement of system components that do not meet these requirements. Findings of violations, including fines and penalties, may also be considered.

The review or approval of water system plans, design drawings, design specifications, or other documents by NDEP/BSDW is for administrative purposes only and does not relieve the water system owner, engineer, and/or operator from the requirement to properly design, build, effectively operate, and maintain the facilities as required under law, regulations, permits, and best management practices. NDEP is not responsible for increased costs resulting from defects in design plans, specifications, or other pertinent documents.

## November 1, 2024 Re: GREAT BASIN WATER COMPANY (NV0000270) - (NY-0007539-24)A Page 3 of 3

This review is only for potable water infrastructure. For sewer main and storm drain extension requirements and permit requirements for the discharge of chlorinated water and trench dewatering, please contact the Nevada Division of Environmental Protection-Bureau of Water Pollution Control at (775) 687-9418.

If you have any questions or comments, please contact me at (702) 668-3930 or <u>aaccad@ndep.nv.gov</u>.

Sincerely,

Angelito Accad, P.E. Professional Engineer Bureau of Safe Drinking Water

ec: Andrea Seifert, P.E. Chief, BSDW Brendon Grant, P.E., Engineering Supervisor, BSDW Raj Solomon, Facility Manager, BSDW Jason Hettrick, Engineering Tech III, BSDW Bill Coates, Great Basin Water Company James Eason, Great Basin Water Company Ben Suleski, Great Basin Water Company Mark Windholz, Great Basin Water Company Michael Hardy, P.E., Lumos & Associates BSDW File aseifert@ndep.nv.gov bgrant@ndep.nv.gov rsolomon@ndep.nv.gov jlhettrick@ndep.nv.gov Bill.Coates@greatbasinwaterco.com james.eason@greatbasinwaterco.com ben.suleski@greatbasinwaterco.com mark.windholz@greatbasinwaterco.com mhardy@lumosinc.com ndep-dw-eng@ndep.nv.gov Environ Division of



STATE OF NEVADA Department of Consecution & Natural Resources

> ه به المناسبين مين ميند. ماه المعالي المستقلة ها هي ماهي هذه المالية المالية الم

November 14, 2023

Bill Coates Great Basin Water Company 1240 East State Street. Suite115 Pahrump, NV 89048 <u>Bill.Coates@greatbasinwaterco.com</u> (775) 727-5575 Michael Hardy, P.E. Lumos & Associates 950 Sandhill Road, Suite 100 Reno, NV 89521 <u>mhardy@lumosinc.com</u> (775) 827-6111

RE: GREAT BASIN WATER COMPANY (NV0000270) PUBLIC WATER SYSTEM IMPROVEMENT PROJECT: APPLICATION TO CONVERT WELL 10 (W07) INTO A POTABLE WATER WELL BY REMOVING AND PATCHING THE ARTESIAN BYPASS FOR SEALING AND OVER DRILLING OF THE EXISTING WELL TO PROVIDE A SANITARY SEAL. In reply, please reference plan review number (NY-0007243-23)A

Dear Mr. Coates and Mr. Hardy:

The Nevada Division of Environmental Protection (NDEP). Bureau of Safe Drinking Water (BSDW), has reviewed the initial submittal and the most recent submittal received on October 30, 2023, for the above-referenced water project.

The water project is hereby approved <u>for construction only</u>. Approval for construction is based on the most recent submittal received by BSDW and only extends to potable water infrastructure that is owned and operated by the public water system. In accordance with NAC 445A.6671, work on a water project must commence not later than 1 year after the water project is approved. The water project must be completed not later than 1 year after the date that work on the project has commenced, except that BSDW may extend this period in 1-year increments if work is being performed on the water project and BSDW receives a schedule of work and periodic updates on the progress of the water project.

In accordance with NAC 445A.66715. work performed on a water project must be performed in substantial compliance with the plans and specifications approved by BSDW. In addition, any major changes to these plans during construction, which would affect the quality or quantity of water, must be submitted to BSDW for review and approval. Work on a water project must be inspected by a qualified representative of the supplier of water. Within 30 days after the completion of the water project, the supplier of water, or qualified representative, shall submit documentation stating that the project was completed in substantial compliance with the plans and specifications approved by BSDW.

As a reminder, please note the following pertinent regulations before the well will be allowed to be placed into service:

375 E. Warm Springs Road, Suite 200 • Las Vegas, Nevada 89119 • p: 702-668-3900 • f: 702-466-2863 • ndep.nv.gov

Printed on recyclea paper

November 14. 2023 Re: GREAT BASIN WATER COMPANY (NV0000270) - (NY-0007243-23)A Page 2 of 3

# Per NAC 445A.66885 (2). <u>after the construction of any modification or reconditioning of a water</u> well is completed and before the well is placed into service:

- 1. The well and any associated pumping equipment must be disinfected in compliance with AWWA Standard C654.
- 2. A satisfactory bacteriological analysis of a sample of the water from the well must be submitted to BSDW. Per AWWA Standard C654, at least two samples must be taken not less than 30 minutes apart after the well has been chlorinated and pumped to waste for a minimum of 15 minutes with zero chlorine residual.

Per NAC 445A.66885 (1)(a). after the construction of a water well is completed and <u>before any water</u> <u>from the well is allowed to enter a public water system</u>. the supplier of water shall submit to BSDW a copy of a chemical analysis conducted by a properly certified laboratory which indicates that the water complies with the provisions of <u>NAC 445A.450</u> to <u>445A.492</u>, inclusive. Required water quality tests can be found at <u>https://ndep.ny.gov/water/drinking-water/information-for-public-water-systems/chemical-monitoring</u> under "Water Quality Tests" and the appropriate type of public water system (Community, Non-Transient Non-Community and Transient).

Per NAC 445A.6688, after the construction of a water well and <u>before the attachment of a permanent</u> **pump to the well**, the supplier of water shall:

- 1. Cause a step drawdown test and a constant discharge aquifer test, or another engineering investigation or analysis suitable for determining the characteristics of the well for the production of water, to be performed on the well and submit the results of the tests. investigation or analysis to BSDW.
- 2. Determine the well yield for the well and submit that information to BSDW.

# The proposed improvements must not be placed on-line until BSDW has reviewed and approved the above items and given the public water system approval to do so.

All potable water projects require ANSI/NSF-certified products. It is the responsibility of the design engineer, the owner, and the contractor to ensure ANSI/NSF certification (or approved exception) for all products that come into contact with drinking water. Future inspections of the water system may require the removal and replacement of system components that do not meet these requirements. Findings of violations, including fines and penalties, may also be considered.

The review or approval of water system plans, design drawings, design specifications, or other documents by NDEP is for administrative purposes only, and does not relieve the water system owner, engineer, and/or operator from the requirement to properly design, build, effectively operate, and maintain the facilities as required under law, regulations, permits, and best management practices. NDEP is not responsible for increased costs resulting from defects in design plans, specifications, or other pertinent documents. November 14. 2023 Re: GREAT BASIN WATER COMPANY (NV0000270) - (NY-0007243-23)A Page 3 of 3

This review is only for potable water infrastructure. For sewer main and storm drain extension requirements and permit requirements for the discharge of chlorinated water and trench dewatering, please contact the Nevada Division of Environmental Protection-Bureau of Water Pollution Control (775) 687-9418.

If you have any questions or comments, please contact me at (702) 668-3930 or <u>aaccad/andep.nv.gov</u>.

Sinceroly,

Angelito Accad, P.E. Professional Engineer Bureau of Safe Drinking Water

ec: Andrea Seifert, P.E., CPM, Bureau Chief, BSDW Brendon Grant, P.E., Engineering Supervisor, BSDW Raj Solomon, Facility Manager, BSDW Jason Hettrick, Engineering Tech III, BSDW Bill Coates, Great Basin Water Company James Eason, Great Basin Water Company Mark Windholz, Great Basin Water Company Michael Hardy, P.E., Lumos & Associates ascifert@ndep.nv.gov bgrant@ndep.nv.gov rsolomon@ndep.nv.gov jlhettrick@ndep.nv.gov Bill.Coates@greatbasinwaterco.com james.eason@greatbasinwaterco.com mark.windholz@greatbasinwaterco.com mhardy@lumosinc.com



### NYE COUNTY BUILDING AND SAFETY DEPARTMENT

Regional Planning District/County of Nye 2041 E. Calvada Blvd., Suite 2 Pahrump, NV 89048 Phone: 775-751-3773 Email: buildingpermits@neycountynv.gov

Job Address: 971 S DELAWA	ARE ST	Buildi	ng P	ermit		<b>ssued:</b> er 4, 2024	Expiration Date: May 3, 2025
	PAHRUMP NV		:: BS-2	24-1375		Permit Is	sued by:
Permit Type: Buildin	g NEW	Occupancy Clas	sification:	U	Applicant	Type: Ow	ner
Permit Use: Comme	ercial	Construction Ty	pe: VB		Sewage:		Water: Public
Project Name:							· · · · · · · · · · · · · · · · · · ·
Stock Plan:			Floo	d Zone: Yes			
panels per plan set, ir transfer switch, install around property	nstall small a/ I new dischar	12 ft. x 10 ft. chlorine roor c unit for chlorine room, in ge piping for the existing w	stall 120V	outlet inside ch	lorine room,	install 125	Kw generator.
Total Fees Paid: \$8,4	470.69						
Applicant Name: mark wi		nark windholz		Phone: 775	-209-4908		il: .windholz@greatbas erco.com
Property Owner	Name: U	tilities Inc of Central Nevad	la-Great	Phone:		Ema	il:

Jobsite Contact Information	Name: Mark Windholz	Phone: 775-209-4908	
Contractor Information	Business Name: Floyds Construction Address: 1201 S. Hwy 160 Suit 100	Phone: 775-209-6099	Business Lic#: F100 C NV Lic. Number: 0019891
Information	Basin Water Co. Address: 1240 E. State St. Pahrump NV 89048		mark.windholz@nexuswg. com

THIS PERMIT SHALL EXPIRE IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS.

ALL WORK SHALL CONFORM TO THE CURRENT GOVERNING CODES, STANDARDS AND LOCAL ORDINANCES AS ADOPTED.

A COPY OF THIS PERMIT MUST BE CLEARLY POSTED AND PROTECTED FROM THE WEATHER AT ALL TIMES. A COPY OF THE STAMPED APPROVED PLANS MUST BE ON SITE FOR ALL INSPECTIONS.

### STATEMENT OF COMPLIANCE AND AUTHORIZING OF ENTRY

By my signature below I certify that I am the licensed contractor or contractor's agent.

I certify I have read this application and state that the above information is correct. I agree to comply with all state laws, and town and county ordinances relating to building construction, and authorize a representative of the County to enter upon the property for which I have applied for this permit for the purpose of making inspections.

Signature: (Signed Electronically)

November 4, 2024

- MEVADA DIVISION OF



interpretation interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
interpretation
i

STATE OF NEVADA

Department of Conservation & Matural Resources

(a) For a pull statement of the second statement of

December 4, 2023

Bill Coates Great Basin Water Company 1240 East State Street, Suite115 Pahrump, NV 89048 <u>Bill.Coates@greatbasinwaterco.com</u> (775) 727-5575 Michael Hardy, P.E. Lumos & Associates 950 Sandhill Road, Suite 100 Reno, NV 89521 <u>mhardy@lumosinc.com</u> (775) 827-6111

RE: GREAT BASIN WATER COMPANY (NV0000270) PUBLIC WATER SYSTEM IMPROVEMENT PROJECT: INSTALLATION OF 10-INCH DIAMETER STAINLESS STEEL NSF 61 WELL LINER INTO AN EXISTING WELL 10 (W07) TO CONVERT INTO A POTABLE WELL. (CURRENTLY THE WELL IS IN THE INITIAL PROCESS OF CONVERSION INTO A POTABLE WATER WELL BY REMOVING, PATCHING AND SEALING THE ARTESIAN BYPASS AND OVER DRILLING OF THE EXISTING WELL TO PROVIDE A SANITARY SEAL).

In reply, please reference plan review number (NY-0007281-23)A

Dear Mr. Coates and Mr. Hardy:

The Nevada Division of Environmental Protection (NDEP), Bureau of Safe Drinking Water (BSDW), has reviewed the plan submittal for the above-referenced water project.

The water project is hereby approved <u>for construction only</u>. Approval for construction is based on the most recent submittal received by BSDW and only extends to potable water infrastructure that is owned and operated by the public water system. In accordance with NAC 445A.6671, work on a water project must commence not later than 1 year after the water project is approved. The water project must be completed not later than 1 year after the date that work on the project has commenced, except that BSDW may extend this period in 1-year increments if work is being performed on the water project and BSDW receives a schedule of work and periodic updates on the progress of the water project.

In accordance with NAC 445A.66715, work performed on a water project must be performed in substantial compliance with the plans and specifications approved by BSDW. In addition, any major changes to these plans during construction, which would affect the quality or quantity of water, must be submitted to BSDW for review and approval. Work on a water project must be inspected by a qualified representative of the supplier of water. Within 30 days after the completion of the water project, the supplier of water, or qualified representative, shall submit documentation stating that the project was completed in substantial compliance with the plans and specifications approved by BSDW.

As a reminder, please note the following pertinent regulations before the well will be allowed to be placed into service:

Per NAC 445A.66885 (2). <u>after the construction of any modification or reconditioning of a water well is</u> <u>completed and before the well is placed into service</u>:

375 E. Warm Springs Road, Suite 200 • Las Vegas, Nevada 89119 • p: 702-668-3900 • f: 702-486.2863 • ndep.nv.gov

Printed on recycled paper

December 4, 2023 Re: GREAT BASIN WATER COMPANY (NV0000270) - (NY-0007281-23)A Page 2 of 2

- 1. The well and any associated pumping equipment must be disinfected in compliance with AWWA Standard C654.
- 2. A satisfactory bacteriological analysis of a sample of the water from the well must be submitted to BSDW. Per AWWA Standard C654, at least two samples must be taken not less than 30 minutes apart after the well has been chlorinated and pumped to waste for a minimum of 15 minutes with zero chlorine residual.

## The proposed improvements must not be placed on-line until BSDW has reviewed and approved the above items and given the public water system approval to do so.

All potable water projects require ANSI/NSF-certified products. It is the responsibility of the design engineer, the owner, and the contractor to ensure ANSI/NSF certification (or approved exception) for all products that come into contact with drinking water. Future inspections of the water system may require the removal and replacement of system components that do not meet these requirements. Findings of violations, including fines and penalties, may also be considered.

The review or approval of water system plans, design drawings, design specifications, or other documents by NDEP is for administrative purposes only, and does not relieve the water system owner, engineer, and/or operator from the requirement to properly design, build, effectively operate, and maintain the facilities as required under law, regulations, permits, and best management practices. NDEP is not responsible for increased costs resulting from defects in design plans, specifications, or other pertinent documents.

This review is only for potable water infrastructure. For sewer main and storm drain extension requirements and permit requirements for the discharge of chlorinated water and trench dewatering, please contact the Nevada Division of Environmental Protection-Bureau of Water Pollution Control (775) 687-9418. If you have any questions or comments, please contact me at (702) 668-3930 or <u>aaccad@ndep.nv.gov</u>.

Sincerely

Professional Engineer Bureau of Safe Drinking Water

ec: Andrea Seifert, P.E., CPM, Bureau Chief, BSDW Brendon Grant, P.E., Engineering Supervisor, BSDW Raj Solomon, Facility Manager, BSDW Jason Hettrick, Engineering Tech III, BSDW Bill Coates, Great Basin Water Company James Eason, Great Basin Water Company Mark Windholz, Great Basin Water Company Michael Hardy, P.E., Lumos & Associates aseifert@ndep.nv.gov bgrant@ndep.nv.gov rsolomon@ndep.nv.gov jlhettrick@ndep.nv.gov Bill.Coates@greatbasinwaterco.com james.eason@greatbasinwaterco.com mark.windholz@greatbasinwaterco.com mhardy@lumosinc.com

## **CONSTRUCTION COMPLETION REPORT**

ENVIRONMENTAL Protections Return to: Bureau of Safe Drinking Water, 901 South Stewart Street, Suite 4001, Carson City, NV 89701, Phone: 775-687-9521, Fax: 775-687-5699

 $[A dapted from the Washington \ Department \ of \ Health \ Construction \ Completion \ Report \ Form \ (2010)]$ 

In accordance with Nevada Administrative Code (NAC) 445A.66715 subsection 2:

2. Within 30 days after the completion of a water project, the supplier of water shall certify to the Division or the appropriate district board of health that the water project was completed in substantial compliance with the plans and specifications approved for the water project by the Division or the appropriate district board of health.

After constructing an approved project, a Public Water System (PWS) must submit this *Construction Completion Report* to the Bureau of Safe Drinking Water (BSDW) before a water system facility is activated. This includes any source, water quality treatment, storage structure, pumping facility and distribution project.

### ---PLEASE TYPE OR PRINT LEGIBLY IN INK---

	<b>PWS NAM</b> Great Basir	I <b>E:</b> n Water Company - Pahrump D	<b>BSDW REVIEW #:</b> NY-0007281-23 A		PWS TYPE: Comm.	
OWNER NAME: Great Basin Water Comp	any - Pah	rump Division				
ADDRESS: 1240 East State Street; Suite 115			CITY: Pahrump		STATE: NV	<b>ZIP:</b> 89048
PROJECT NAME & BRIEF D	ESCRIPTIO	<b>N</b> (e.g. subdivision, tank recoa	t, waterline, well, s	spring, pump station, etc.)	):	
CHECK ONE:       DESCRIPTION OF PORTIONS COMPLETED (for detailed descriptions, attach additional pages)         Image: Description of Project Completed       The installation of a Stainless Steel nominal 10-inch liner to a to depth of 475 feet below ground level. Test pumped well and generated a hydrology report of results.					o a total	

PWS QUALIFIED REPRESENTATIVE'S ACKNOWLEDGEMENT (Complete items below – attach additional pages as necessary)

The undersigned (professional engineer or PWS qualified representative) has inspected the aforementioned project which, as to layout, size and type of pipe, valves and materials, storage and other designed physical facilities, has been constructed and is substantially completed in accordance with the BSDW approved construction documents. In the undersigned's opinion, the installation, physical testing procedures, water quality tests, and disinfection practices were carried out in accordance with state regulations, American Water Works Association standards and standard engineering practices.

Michael Hardy	-////		Lumos & Asso	ciates, Inc. 07/24/2024
NAME	SIGNATURE		COMPANY	DATE
ENGINEER-SAT	← Professional Engine ENGINEERING FIRM Lumos & Associates,	:	nd Date (if completed k	oy a PE):
	ADDRESS: 950 Sandhill Road; S	uite 100		
CIVIL	CITY: Reno		<b>STATE:</b> NV	<b>ZIP:</b> 89521
7-24-2024				
[For BSDW use only] This project is approved for activat		DW STAFF SIGNATURE	-	DATE

GBWC\_2024 Rate Case\_Vol. 5, Page 377 of 389



Nye County Building and Safety 2041 E. Calvada Blvd. N., Ste.2 Pahrump, NV 89048 Phone · Fax 775-751-3773

### FIRE DEMAND VERIFICATION

August 22, 2024

To: Nevada Department of Environmental Protection of Safe Drinking Water

#### **RE: Fire Flow Demand Verification**

This letter is to serve as a verification that Nye County Building and Safety on behalf of the Nevada State Fire Marshall's Office has reviewed the project located at 971 S DELAWARE ST PAHRUMP, NV 890480 ffers the following determination for required fire water demand for the project.

LOCATION INFORMATION: Site Address: 971 S DELAWARE ST PAHRUMP, NV 89048 Assessor Parcel No: 03832119 Property Owner: UTILITIES INC OF CENTRAL NEVADA Construction Type: Total Square Footage of Protected Area: 120 Gallons Per Minute Required: 1500 Sprinklers Required: No Total Number of Hydrants within fire protection area: 1 Fire Flow Duration (Hrs):2

allest Connent

Albert Cammarata Nye County Fire Life Safety Inspector



Nye County Planning Department 2041 E. Calvada Blvd. N., Ste. 1 Pahrump, NV 89048 Phone · 775-751-4249 Fax · 775-751-4324

September 25, 2024

mark windholz 1240 E. State St. Suite 115 Pahrump, NV 89048

Subject: PR-24-983 971 S DELAWARE ST PAHRUMP NV 89048

This letter is to inform you that application PR-24-983 and site plan have been approved with the following comments and/or conditions:

Proposed development complies with Nye County Code.

Flood Damage Prevention Information:

Date Checked: September 25, 2024	Flood Zone: Unshaded X and/or Shaded X Zone	Firm # 32023C 8850 F Eff Date: December 2, 2015
----------------------------------	---	---

Flood Zone Comments:

The parcel is not located in a Special Flood Hazard Area (SFHA) and does not require an Elevation Certificate.

**Please Note if applying for Accessory Structures:** Per NCC 17.04.200.A.17(f) Accessory Building Or Accessory Use: An accessory buildi or accessory use is allowed prior to the installation of a permanent structure, only after all applicable permits have been issued and all impaties have been paid in conjunction with the construction of the permanent structure.

This letter is only for an approval for the placement of the items in your application. You are still required to contact the Building as Safety Department and obtain Building Permits (if applicable) for any item approved in your application. Building and Safety can reached at 775-751-3773.

If you have any additional questions or concerns please contact me at ammarshall@nyecountynv.gov or by phone at (775) 751-4241

Sincerely,

Amanda) Maushall

Amanda Marshall Planning Technician II

## NYE COUNTY PUBLIC WORKS ENCROACHMENT PERMIT

Expiration Date: November 13, 2025

Permit # ENCR-24-587

Duran a start Otant Da	ELAWARE ST PAH				
Proposed Start Da		•	ompletion Date:		
Contractor Name:	Floyd Con	stuction Contractor I	.icense #: 0019891		
Encroachments/T	renchina				
LWC	Culvert	T2	Asphalt	Cement CC & R's	
Trench Length	Depth	Open	Water	Sewer	
Phone	Electric	Bore Pits	Open Pits	Road Crossing	
Туре:				-	
Water Disconnect	Start Date:	Wat	er Disconnect End Date	2:	
Residential/Comm December 1, 2024	ercial Drives Blocke		Residential/Commercial Drives Blocked End Date: May 31, 2025		
		a completed including satisfactory and is giv	all terms and condition en final approval	ons stipulated by Nye November 13, 2024	
Nye County I			Date		

## Attachment SPA-5 to Exhibit \_\_\_\_\_

# Attachment SPA-5 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 381 of 389

### **Engineering Items**

				% Work
Task	Contractor	Status	Comments	Complete
Engineering Well Design	Lumos	Executed/Completed	Complete/NDEP Approved	100%
Engineering Well Development	Lumos	Executed/In Progress	Oversight/project close out	100%
Engineering Site Development	Lumos	Executed/In Progress	Oversight/project close out	20%
Engineering Site Development				
Oversite	Lumos	Executed/In Progress	Oversight/project close out	20%

#### **Construction Items**

Task	Contractor	Status	Comments	% Complete
Well development	Budget Drilling	Executed/Completed	Complete	100%
Well Site Development	Floyd	Executed/In Progress	On schedule	0%
Generator Procurement	GBWC	Executed/Completed	Complete	100%

## Well Site Development Subs (General Contractor: Floyd Construction)

Task	Contractor	Status	Comments	% Complete
Offsite Electric	Valley Electric	Executed/In Progress	On schedule	25%
Onsite Electrical	Kill-A-Watt	Executed/In Progress	On schedule	0%
SCADA	Delta	Executed/In Progress	On schedule	0%
Building	Floyd	Executed/In Progress	On schedule	0%
Pumping Equipment	Budget Drilling	Executed/In Progress	On schedule	0%
Generator Installation	Kill-A-Watt	Executed/In Progress	On schedule	0%
Concrete Work	Performance	Executed/In Progress	On schedule	0%

## Attachment SPA-6 to Exhibit \_\_\_\_\_

## Attachment SPA-6 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 383 of 389

PD Well 10 Project Cost	Forecast
Well 10 Project	S
Well 10	jec
Š	110
	Š

orecast Forecast Forecast Forecast 1/31/2025 2/28/2025 3/31/2025 4/30/2025	961,212 1,112,562 1,276,481 1,621,051 1,621,051 5,710 6,609 7,582 9,629 67,827 966,921 1,119,170 1,284,063 1,630,680 1,688,878
Forecast Forecast <u>11/30/2024</u> <u>12/31/2024</u>	537,619 657,862 3,193 3,908 540,812 661,769
Actual <u>10/31/2024</u>	Cumulative 532,486 Mo. IDC @ 0.00594 31,197 563,682

Total Project Cost	264,610	1,340,036	16,404	67,827	1,688,878
Forecast <u>4/30/2025</u> <u>Tot</u> a	18,809	324,411	1,350	9,629	354,199
Forecast <u>3/31/2025</u>	20,000	142,569	1,350	7,582	171,501
Forecast <u>2/28/2025</u>	20,000	130,000	1,350	6,609	157,959
Forecast <b>1/31/2025</b>	20,000	282,000	1,350	5,710	309,060
Forecast <b>12/31/2024</b>	20,000	98,893	1,350	3,908	124,151
Forecast <b>11/30/2024</b>	5,133			3,193	8,326
Actual <u>10/31/2024</u>	160,668	362,163	9,654	31,197	563,682
	Engineering	Construction/Misc	Captime	IDC	. 11

## Attachment SPA-7 to Exhibit \_\_\_\_\_

# Attachment SPA-7 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 385 of 389

(1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term "or both" is not expressed.

- E. Nothing in the Contract Documents creates any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity.
- 2.02 Contract Documents Defined
  - A. The Contract Documents consist of the following documents:
    - 1. This Contract for Construction of a Small Project.
    - 2. Exhibits to this Contract (enumerated as follows):
      - a. Exhibit 1- GBWC Pahrump Production Well 10 Spec.
      - b. Exhibit 2- Production Well 10 Project Plan Set
      - c. Exhibit 3 Project Cost and Warranty Form RFP PD 2022-10-08
      - d. Exhibit 4 Performance and Payment Bond
      - e. Exhibit 5 Builders Risk and Installation Insurance
      - f. Exhibit 6 Pollution Insurance
      - g. Exhibit 7 Contractor Health, Safety and Environment Handbook
    - 3. The following which may be delivered or issued on or after the Effective Date of the Contract:
      - a. Notice to Proceed (EJCDC<sup>®</sup> C-550).
      - b. Work Change Directives (EJCDC<sup>®</sup> C-940).
      - c. Change Orders (EJCDC<sup>®</sup> C-941).
      - d. Field Orders (EJCDC<sup>®</sup> C-942).

### ARTICLE 3—ENGINEER

- 3.01 Engineer
  - A. The Engineer for this Project is Lumos and Associates, Mike Hardy P.E., Senior Project Manager

### ARTICLE 4—CONTRACT TIMES

- 4.01 Contract Times
  - A. The Work will be substantially complete on or before April 15, 2025, and completed and ready for final payment on or before April 30, 2025.
- 4.02 Liquidated Damages
  - A. Contractor and Owner recognize that time is of the essence in the performance of the Contract, and that Owner will incur damages if Contractor does not complete the Work

according to the requirements of Paragraph 4.01. Because such damages would be difficult and costly to determine, Owner and Contractor agree that as liquidated damages for delay in completion (but not as a penalty):

- 1. *Substantial Completion:* Contractor shall pay Owner \$500.00 for each day that expires after the Contract Time for substantial completion, until the Work is substantially complete.
- 2. Completion of Remaining Work: After substantial completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$100 for each day that expires after such time until the Work is completed and ready for final payment.

### 4.03 Delays in Contractor's Progress

- A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Times or Contract Price.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor or its subcontractors or suppliers.
- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times.
- D. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor or Contractor's subcontractors or suppliers.
- 4.04 *Progress Schedules* 
  - A. Contractor shall develop a progress schedule and submit it to Engineer for review and comment before starting Work on the Site. Contractor shall modify the schedule in accordance with Engineer's comments.
  - B. Contractor shall update and submit the progress schedule to Engineer each month. Owner may withhold payment if Contractor fails to submit the schedule.

### ARTICLE 5—CONTRACT PRICE

- 5.01 Payment
  - A. Owner shall pay Contractor, in accordance with the Contract Documents, at the following unit prices for each unit of Work completed:

## Attachment SPA-8 to Exhibit \_\_\_\_\_

# Attachment SPA-8 to Exhibit \_\_\_\_\_

GBWC\_2024 Rate Case\_Vol. 5, Page 388 of 389

## **SPA-08**

## Ashcraft Attachments Index

No.	Description
SPA-01	Managing Project Manager Job Description
SPA-02	Sean Ashcraft Resume
SPA-03	PD Well 10 – Contracts
SPA-04	PD Well 10 - Permits
SPA-05	PD Well 10 – Project Status
SPA-06	Project Costs
SPA-07	Liquidated Damages
SPA-08	Ashcraft Attachments Index