BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

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In the Matter of:

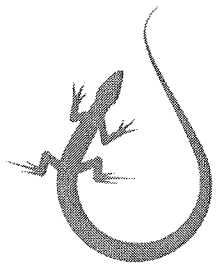
Application of Great Basin Water Co., Pahrump, Spring Creek, Cold Springs, Pahrump, and Spanish Springs Divisions for Approval of its 2024 Integrated Resource Plan and to designate certain system improvement projects as eligible projects for which a system improvement rate may be established, and for relief properly related thereto.

Docket No. 24-_____

VOLUME 13 OF 18

APPENDIX K

Water Conservation Plan



Great Basin
Water Co.™

GREAT BASIN WATER CO.
WATER CONSERVATION PLAN

Cold Springs - Reno, NV - Washoe County
Pahrump, NV - Nye County
Spanish Springs - Reno, NV - Washoe County
Spring Creek, NV - Elko County

Mailing Address:
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1240 E. State St., Ste. #115
Pahrump, NV 89048

2024

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1. INTRODUCTION

On October 27, 2016, Utilities, Inc. filed a merger with the State of Nevada naming the four Nevada divisions; Utilities, Inc. of Nevada ("UIN"), Utilities, Inc. of Central Nevada "UICN"), Sky Ranch Water Service ("SRWS"), and Spring Creek Utilities Co. ("SCUC") into one consolidated name of Great Basin Water Co. ("GBWC" or the "Utility"). This consolidation under one name improved operational efficiency by reducing redundant conservation plans, utility forms, and bill credits, as well as standardized processes in all four divisions. The list of abbreviations can be found in **Appendix A**.

Great Basin Water Co. is dedicated to promoting water conservation through public outreach, customer education, and responsible stewardship. GBWC recognizes the benefits of water conservation planning including but not limited to:

- Cost savings - Minimizing the amount of water pumped, stored, and distributed reduces operating costs and saves money for GBWC and its customers.
- Wastewater treatment benefits - Reduction of water use cuts wastewater loads on sewer treatment facilities and customer septic tanks, resulting in reduced chemical and operation costs.
- Environmental benefits - Water removed from the aquifer for human consumption could be conserved for other purposes, times of drought, and future use.
- Water supply limitations - Water conservation can help stretch existing groundwater resources or postpone expansion of water and wastewater treatment plants.
- Regulatory compliance - Nevada Revised Statute ("NRS") NRS 704.662 requires public utilities which furnish, for compensation, any water for municipal, industrial, or domestic purposes to adopt a water conservation plan.
- Customer benefits - Customers who conserve water may enjoy lower water bills and possible lower wastewater and energy bills.

Climate of Nevada

Topographic Features

Nevada is predominately a plateau. The eastern part has an average elevation that ranges between 5,000 and 6,000 feet. The western part ranges between 3,800 and 5,000 feet, with the lowest elevation being in the vicinity of Pyramid Lake and Carson Sink. The southern part generally ranges between 2,000 and 3,000 feet. From the lower elevations of the western portion there is a fairly rapid rise westward toward the summits of the Sierra Nevada. The southwestern part slopes down toward Death Valley, California; the southern portion slopes toward the channel of the Colorado River, which is less than 1,000 feet above sea level. The northeastern part slopes toward the north, draining into the Snake River and thence into the Columbia River Basin.

The Nevada plateau has several mountain ranges, most of them 50 to 100 miles long, running generally north-south. The only east-west range is in the northeast where it forms the southern limit of the Columbia River Basin. Except for this small drainage area and another limited region in the southeast which drains into the Colorado River, the state lies within the Great Basin, and the waters of its streams disappear into sinks or flow into lakes with no outlets.

Nevada has great climatic diversity, ranging from scorching lowland desert in the south to cool mountain forests in the north. Its varied and rugged topography, mountain ranges, and narrow valleys range in elevation from about 1,500 to more than 10,000 feet above sea level. Wide local variations of temperature and rainfall are common. The principal climatic features are bright sunshine, small annual precipitation (averaging nine inches in the valleys and deserts), heavy snowfall in the higher mountains, clean, dry air, and exceptionally large daily ranges of temperature.

Temperature

The mean annual temperatures vary from the middle 40's in the northeast to about 50°F in the west and central areas, and to the middle 60's in the south. In the northeast, summers are short and hot; winters are long and cold. In the west, the summers are also short and hot, but the winters are only moderately cold; in the south the summers are long and hot and the winters short and mild. Long periods of extremely cold weather are rare, primarily because the mountains east and north of the state act as a barrier to the intensely cold continental arctic air masses. However, on occasion, a cold air mass spills over these barriers and produces prolonged cold waves.

There is strong surface heating during the day and rapid nighttime cooling because of the dry air, resulting in wide daily ranges in temperature. Even after the hottest days, the nights are usually cool. The average range between the highest and the lowest daily temperatures is about 30 to 35 degrees. Daily ranges are larger in summer than the winter. Extreme temperatures have ranged from 120° F to 50° below zero.
Summer temperatures above 100°F occur rather frequently in the south and occasionally over the rest of the state.

Humidity is usually low making the higher temperatures less disagreeable in Nevada than in more humid climates. During the warmer season of the year, air conditioning is used in a large percentage of the commercial establishments and in many homes. Owing to the dryness of the air, evaporative coolers operate very efficiently.

Over the northern and central portions of the state, freezes begin early in the autumn and continue until late in the spring. The freeze-free season varies from less than 70 days in the northwest and northeast to about 140 days in the west and south-central areas, to over 225 in the south.

Precipitation

Nevada lies on the easterly side of the Sierra Nevada Range, a massive mountain barrier that markedly influences the climate of the state. One of the greatest contrasts in precipitation found within a short distance in the United States occurs between the western slopes of the Sierras in California and the valleys just to the east of this range. The prevailing winds are from the west and as the warm moist air from the Pacific Ocean ascends the western slopes of the Sierra Range, the air cools, condensation takes place and most of the moisture falls as precipitation. As the air descends the eastern slope, it is warmed by compression, and very little precipitation occurs. The effects of this mountain barrier are felt not only in the west but throughout the state, resulting in largely desert or steppes in the lowlands of Nevada.

A winter precipitation maximum occurs in the western and south-central portions of the state, a spring maximum in the central and northeastern sections, and a summer maximum primarily in the eastern

portion where thunderstorms are most frequent. Precipitation is lightest over the lower parts of the western plateau, a series of long valleys extending from the state border opposite Death Valley in California northward to the Idaho line. In the southern part of those valleys, the average annual precipitation is less than five inches. It increases to 18 inches in Lamoille Canyon on the western side of the Ruby Mountains of northeast Nevada and to about 40 inches in the Sierra Nevada. Variations in precipitation are due mainly to differences in elevation and exposure to precipitation-bearing storms.

The average annual number of days with precipitation of 0.01 inch or more varies considerably; Las Vegas averages 23, Reno 49, Winnemucca 67, Ely 72, and Elko 78.
Snowfall is usually heavy in the mountains, particularly in the north. This is conducive to many winter sports activities, including skiing and hunting. Twenty-four-hour snowfall can amount to over 45 inches, while seasonal totals of over 300 inches have been recorded.

Floods

Mountain snowfall forms the main source of water for streamflow. Melting of the mountain snowpack in the spring usually causes some flooding in northern and western streams during April to June, but damaging floods of this type are infrequent; however, extensive flooding from melting of heavy snowpack has occurred in both the southern and northern parts of the state. Flooding can also be caused by a combination of warm rains and melting snow, especially in the western section. Heavy summer thunderstorms occasionally cause flooding of local streams, but they usually occur in sparsely settled mountainous areas and are seldom destructive. These storms, locally termed cloudbursts, may bring to a locality as much rain in a few hours as would normally fall in several months.

Severe Storms

Thunderstorms in most areas are infrequent, the average annual number of days being 13 at Reno, 15 at Las Vegas and Winnemucca, 21 at Elko, and 33 at Ely. Tornadoes are rare but have occurred in all months from April through September. Winds are generally light. Storms with high winds rarely occur and seldom cause appreciable damage, except locally along the east slope of the Sierras. The prevailing wind direction is west; at a few stations it is south or southwest because of local topography. In the valleys winds are light in the morning and stronger in the afternoon. In Reno and Las Vegas, for example, winds of zero to three miles per hour are most common at about 8 AM. This is also the time of peak automobile traffic and pollutants accumulate due to the light winds. Dust or sandstorms occur occasionally, particularly in the south during the spring, when storms move through the region more frequently than at other seasons. [1]

2. GENERAL REQUIREMENTS

Ensuring an adequate water supply for any use is no longer only a matter of developing new sources. Conservation has become an essential part of the water supply equation. Over the last 10 years, conservation has been shown to be a cost-effective way to extend a given water supply. Conservation should be recognized as one of many water resource management tools when it makes sense economically.

[1] https://wrcc.dri.edu/Climate/narrative_nv.php

Numerous case studies have shown that a good conservation program can reduce demand significantly. Conservation measures can be pursued by all water users regardless of the type of water system, i.e., municipal, public, irrigation, private home, commercial or industrial, etc.
Conservation is becoming an important tool to help public water systems manage water demands and infrastructure needs, especially in fast growing areas. The main incentive for public systems to implement conservation measures is economics. For instance, conservation can defer the need for investment in expanded water supplies and costly infrastructure such as water treatment systems. Less water used within a public water system means less wastewater that must be treated at the wastewater treatment plant, potentially saving some additional treatment and infrastructure costs. On the other hand, conservation may impact treatment process due to higher waste concentrations in the wastewater, and result in less water available for reuse of reclaimed water, and less recharge of shallow aquifers, thereby potentially affecting other water users. Consideration needs to be given to these factors when developing a conservation program. [2]

A comprehensive water conservation program typically includes features such as: water system audits and leak detection, a public information and awareness program, utilization of increasing tiered billing, new ordinances, installation of low flow fixtures, landscape demonstration projects, use of drought tolerant plants, implementation of a xeriscape – water wise program, and installation of meters to help establish a baseline to evaluate the water conservation program and to provide a basis for billing.

Water conservation is a vital part of an Integrated Resource Plan ("IRP"). Water conservation can influence customer utility bills, the need for future facilities or timing of those facilities, drought protection for the community, and the rate at which new resources are needed. There has been a process of developing and implementing conservation programs over the past years by Great Basin Water Co. The Utility supplies water for municipal and domestic purposes and, by state law (as defined below), is required to submit a water conservation plan for its service area to the Public Utilities Commission of Nevada ("PUCN" or the "Commission"). This plan is intended to be the updated water conservation plan pursuant to NRS 704.662, 704.6622, 704.6623, 704.6624 and NAC 704.567, 704.5671, 704.5672. For reference NRS 704.662 is set forth (in relevant part) below:

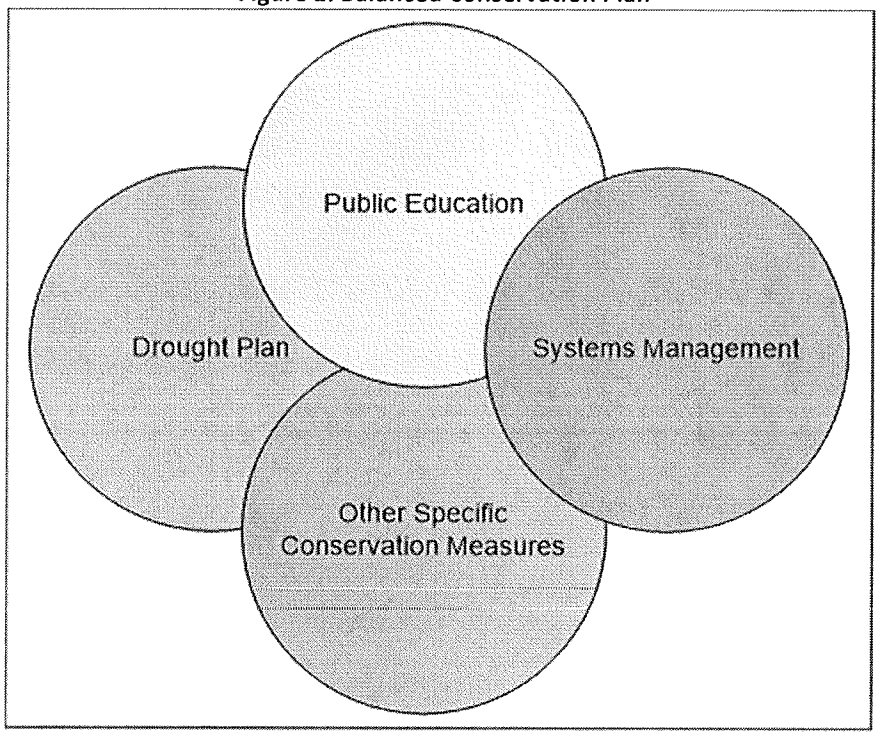
> NRS 704.662 Plan of water conservation: Requirement and procedure for adoption; review by Commission; election to comply with plan adopted by Commission.
>
> 1. Except as otherwise provided in subsection 5, each public utility which furnishes, for compensation, any water for municipal, industrial or domestic purposes shall adopt a plan of water conservation based on the climate and the living conditions in its service area in accordance with the provisions of NRS 704.6622. The provisions of the plan must only apply to the public utility' s property and its customers.
>
> 2. As part of the procedure of adopting a plan, the public utility shall provide an opportunity for any interested party, including, but not limited to, any private or public entity that supplies water for municipal, industrial or domestic purposes, to submit written views and recommendations on the plan.
>
> 3. Except as otherwise provided in subsection 6, the plan:
>
> (a) Must be available for inspection by members of the public during office hours at the office of the public utility; and

[2] http://water.nv.gov/programs/planning/stateplan/documents/pt3-1a.pdf

(b) May be revised from time to time to reflect the changing needs and conditions of the service area. Each such revision must be filed with the Commission and made available for inspection by members of the public within 30 days after its adoption.

4. The plan must be approved by the Commission before it is put into effect.

Figure 1: Balanced Conservation Plan



To satisfy the objectives of NRS and Nevada Administrative Code ("NAC"), the Utility's water conservation plan consists of four categories which address: Public Education, Other Conservation Measures, System Management, and Conservation during Drought Periods. The first three objectives are directly addressed in the body of this Water Conservation Plan. The fourth, the Drought Plan, is contained in **Appendix B.** The Utility intends to continue the programs listed and described herein unless required to do otherwise or as conditions change which would redirect activities towards measures which enhance the utility's conservation measures.

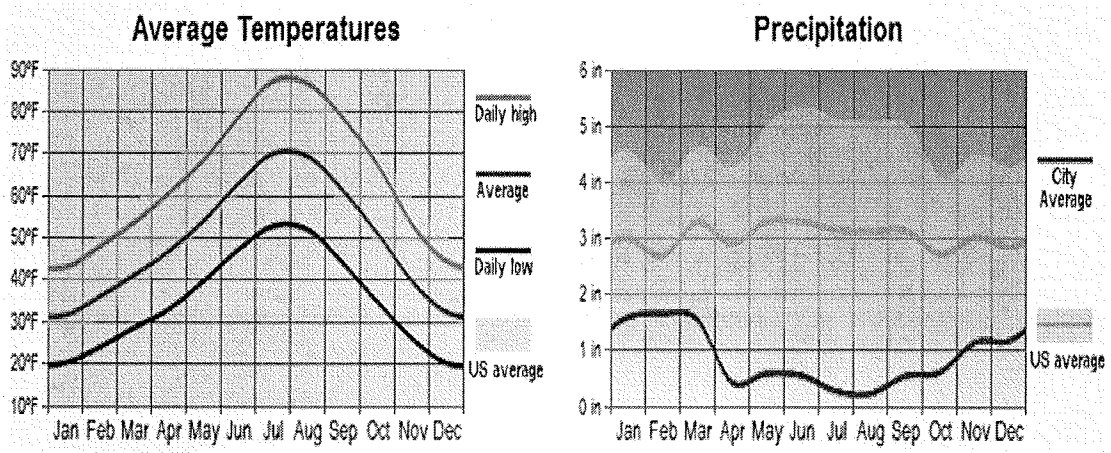
The Utility supplies water for municipal purposes and is required to submit a water conservation plan to the PUCN for approval.

3. SYSTEM DESCRIPTIONS

3.1.A. Cold Springs[3]

Cold Springs Division ("GBWC_CSD") - has approximately 10,153 (Census 2020) people and 3,843 service connections within a specific service area located approximately 10 miles north of Reno, Nevada U.S. Highway 395 at the Nevada/California state line. Cold Springs operates the system with an average of four operations personnel, an Area Manager with administrative assistance from Spring Creek, which is shared with Spanish Springs, and support staff in Pahrump, as well as throughout the nation via the Corix network.

Figure 2: Cold Springs Average Temperatures, Precipitation, and Service Territory



Cold Springs water system has six groundwater wells. The water produced is chlorinated prior to entry into the distribution system. The finished potable water is stored in four ground level tanks.

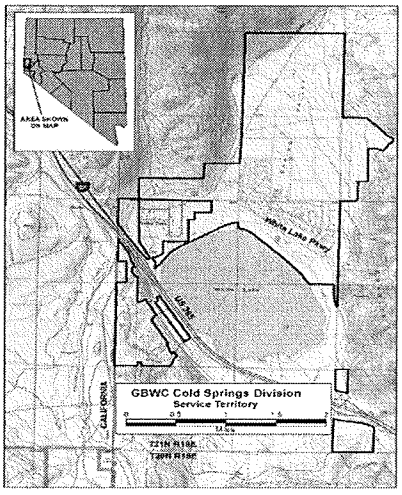


Table 1. Cold Springs U.S. Census

https://www.census.gov/quickfacts/fact/table/coldspringscdpnevada#

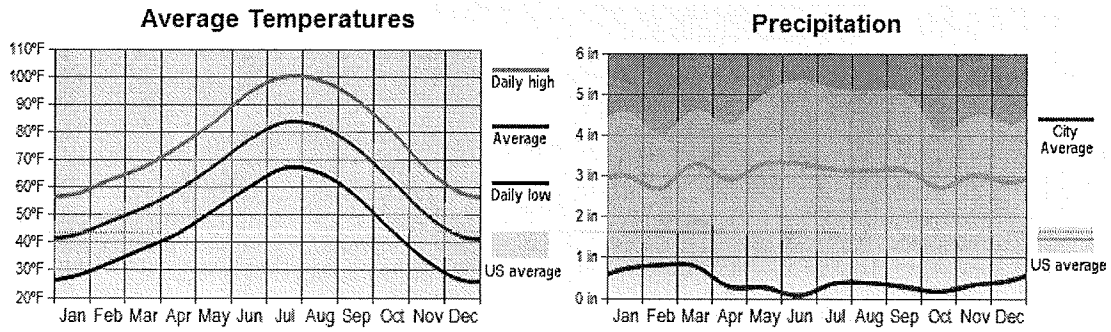
Population estimates 2020 Census	10,153
Person per household 2017-2021 Census	3.11
Population per sq. mile 2020	1,159.2
Land area in sq. miles 2020	8.76
Households with a computer percent, 2017-2021	100%
Persons 65 years and over, percent	8.2 %

[3] https://www.city-data.com/city/Cold-Springs-Nevada.html

3.1.B Pahrump Division[4]

Pahrump Division ("GBWC-PD") – serves approximately 44,738 (Census 2020), people and 6,510 service connections. Service area covers approximately 43 square miles in the Pahrump Valley generally along the Highway 160 corridor. The service area is comprised of six separate water systems and four wastewater collection systems. The water systems include: Calvada Valley, Calvada North/Country View Estates, Calvada Meadows, Mountain Falls, Mountain View Estates and Spring Mountain Motorsports Ranch ("SMMR"). The wastewater systems include Plant 3 in the Calvada Valley area, Plant F in the Calvada North area, Plant MF located in Mountain Falls in the south, SMMR Plant, and three small commercial septic systems with a total of 4 customers. The SMMR water system and wastewater system were annexed into the service area in December 2016 and are expected to be fully dedicated in 2024. Currently, GBWC-PD has not accepted the water and wastewater facilities as of this report and are operating these systems under a Memorandum of Understanding and Interim Service Agreement. Pahrump operates with eleven operations personnel, an Area Manager, and a Compliance Manager as well as throughout the nation via the Corix network.

Figure 3: Pahrump Average Temperatures, Precipitation, and Service Territory



Pahrump water system has twelve groundwater wells. The water produced is chlorinated prior to entry into the distribution system. The finished potable water is stored in seven ground level tanks.

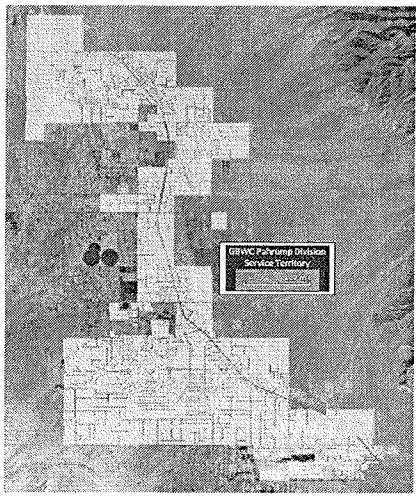


Table 2: Pahrump U.S. Census

https://www.census.gov/quickfacts/fact/table/pahrumpcdpnevada/PST045219#

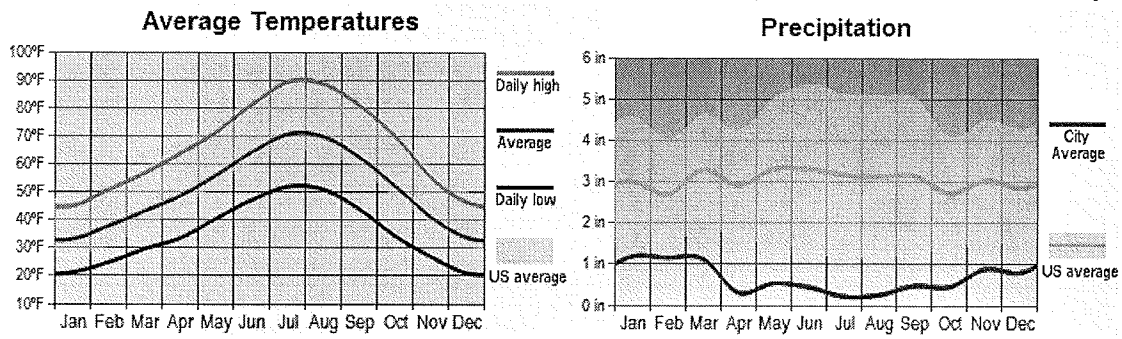
Population estimates 4/1/2020 Census	44,738
Person per household 2017-2020 Census	2.36
Population per sq. mile 2020	136.1
Land area in sq. miles 2020	328.80
Households with a computer, percent	91.6%
Persons 65 years and over, percent	31.6%

3.1.C. Spanish Springs Division[5]

Spanish Springs Division ("GBWC-SSD) - has approximately 17,314 (Census 2020) people and 581 service connections within a specific service area located approximately 10 miles northeast of Reno in the Spanish Springs Valley.

Spanish Springs operates the system with an average of four operations personnel, an Area Manager with administrative assistance from Spring Creek, which is shared with Cold Springs, and support staff in Pahrump, as well as throughout the nation via the Corix network.

Figure 4: Spanish Springs Average Temperatures, Precipitation, and Service Territory



Spanish Springs water system has two groundwater wells. The water produced is chlorinated prior to entry into the distribution system. The finished potable water is stored in three ground level tanks.

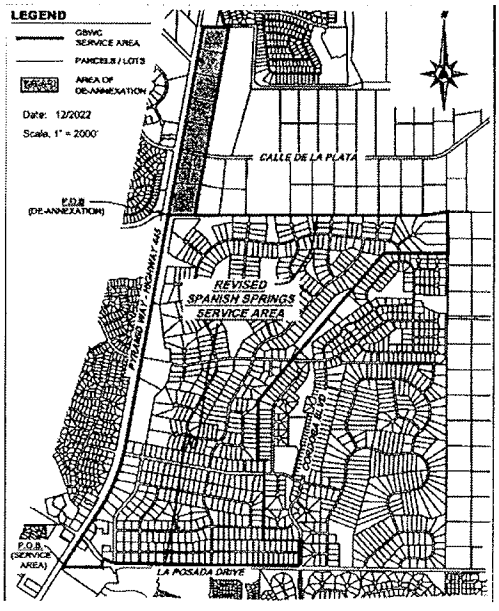


Table 3: Spanish Springs U.S. Census

https://www.census.gov/quickfacts/fact/table/spanishspringscdpnevada/PST045219

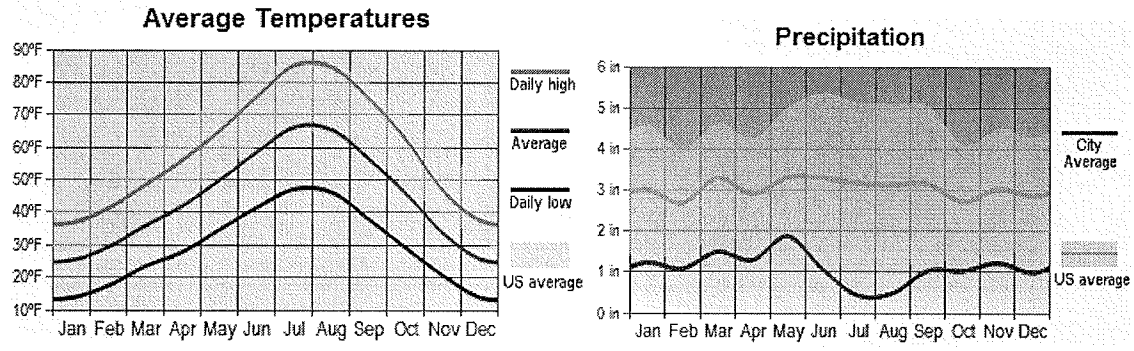
Population estimates 2020 Census	17,314
Person per household 2020 Census	2.71
Population per sq. mile 2020	311.7
Land area in sq. miles 2020	55.55
Households with a computer percent, 2017-2021	96.6%
Persons 65 years and over, percent	19.6%

gs-Nevada.html

3.1.D. Spring Creek Division[6]

Spring Creek Division ("GBWC-SCD") – serves approximately 14,967 (Census 2020), people and 5,066 service connections are currently being served as of December 2022 meter counts. GBWC-SCD service area is located in northeastern Nevada, approximately 10 miles southeast of Elko, along State Route 227, Lamoille Highway in Elko County. Spring Creek operates the system with an average of four operations personnel, an Area Manager with shared administrative assistance with Cold Springs/Spanish Springs, and support staff in Pahrump, as well as throughout the nation via the Corix network.

Figure 5: Spring Creek Average Temperatures, Precipitation, and Service Territory



Spring Creek water system has ten groundwater wells. The water produced is chlorinated prior to entry into the distribution system. The finished potable water is stored in ten ground level tanks.

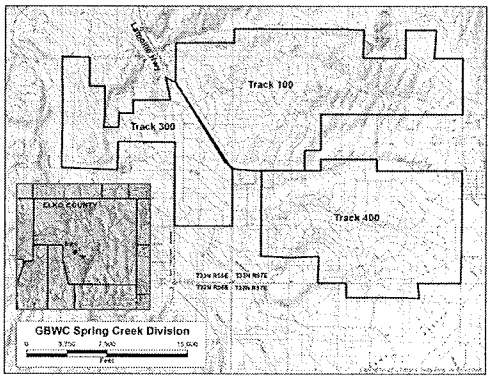


Table 4: Spring Creek U.S. Census https://www.census.gov/quickfacts/fact/table/springcreekcdpnevada/PST045219

Population estimates 4/1/2020 Census	14,967
Person per household 2020 Census	3.19
Population per sq. mile 2020	278.9
Land area in sq. miles 2020	53.7
Households with a computer, percent, 2017-2021	98.2%
Persons 65 years and over, percent	10.3%

[6] http://www.city-data.com/city/Spring-Creek-Nevada.html

4. CONSERVATION PROVISIONS/MEASURES

4.1. Plan Overview

The Utility will continue to implement public education programs to increase awareness of the limited supply of water in the State of Nevada and the need to conserve water.

These programs are based on four categories, which include:

1) Public Education;
2) Other Conservation Measures;
3) System Management; and
4) Conservation During Drought Periods.

A key objective of this plan is to increase public awareness for all customers: residential, commercial, governmental, and industrial. A successful educational program provides information to the public which helps to motivate water users in their efforts to conserve water. The Utility will provide its customers with educational materials and resources including home and landscape guides which can be found along with links to water conservation information on the utility website and My Utility Account ("MUA"). Regardless of the type of education resources used, the most important consideration is the content and the information is disseminated successfully. Specific water conservation incentives addressing NRS are included in Section 5 of this plan.

4.2 Public Education

Great Basin Water Co. has identified several avenues for continuing public education:

- Utility Sponsored Town Halls
- Public Comment periods at Community Meetings, and Board of County Commissioners ("BOCC") Meetings, and County Advisory Boards
- Community Expositions
- Community Events & Fairs
- Utility Website
- My Utility Account ("MUA")
- Surveys
- Public Awareness- Community Engagement
- Community Newsletters
- Consumer Confidence Reports
- Customer Bills
- Educational Videos

While providing community outreach at every opportunity, including community events to inform customers of the need to conserve water, estimating the effects on a water system's peak demand and water consumption is not quantifiable. GBWC believes the objective of this program is for the utility to instill behavioral changes in their customers that will lead to smart personal water conservation practices. Examples of water education materials can be seen in **Appendix C.**

The Utility continues to identify potential avenues for public education and does not consider this list to be inclusive nor exhaustive. In addition, GBWC partners with the University of Nevada, Reno Extension https://extension.unr.edu/ to coordinate water conservation education. Extension has many materials and training available for education which have been invaluable to GBWC divisions. Contact information can be found in **Appendix J.**

4.3 Home Water Audit

GBWC has developed a Home Water Audit which is available to GBWC Customers by contacting BeWaterSmart@greatbasinwaterco.com. The Utility personnel will advise customers where to complete the survey or hand them a copy of the water audit. It is the Utility's hope that by providing the audit and aiding in the completion of the survey, it will raise public awareness to simple measures to conserve water inside-the-walls (indoors) and outside-the-walls (irrigation). Home Water Audit information is included as **Appendix D**.

4.4 Informative Billing – My Utility Account "MUA"

Informative billing means including information on water bills which educates water users on their patterns of water use and the cost of water. The bills produced by the Customer Care and Billing system convey the customers' billing, both in consumption and dollars for a 13-month period. These bills were designed to increase the effectiveness of the approved tiered water rates. The updated bills will enable customers to see a relationship between the level of their monthly water usage and its corresponding cost. An example of Informative Billing is included as **Appendix E**.

In Spring 2019, My Utility Account ("MUA") was launched. MUA is a secure online destination where customers can find up-to-date information about their utility account, service alerts, usage data and more.

Whether a customer downloads the mobile app or uses the MUA website, they can access different self-service tools that enable them to stay connected to their utility account.

When signed into My Utility Account, a customer has access to the following information:

- Bill pay options: Customers can pay their bills from the MUA portal. They can make a one-time payment, enroll in auto pay, or sign up for paperless billing. They can also submit a question regarding their bill to the Customer Service team.

- Utility service notifications: Customers can sign up to get notifications pertaining to their bills (for example, when their bill is due or past-due) and when there is an outage or a planned construction project. They can choose to get these alerts via e-mail, text message, push notification, voice call, or a combination of these.

- Outage map: Customers can view all current alerts for their account (outages or planned construction) from a digital map. They can also send a message to Customer Service if they are experiencing an emergency outage at their location.

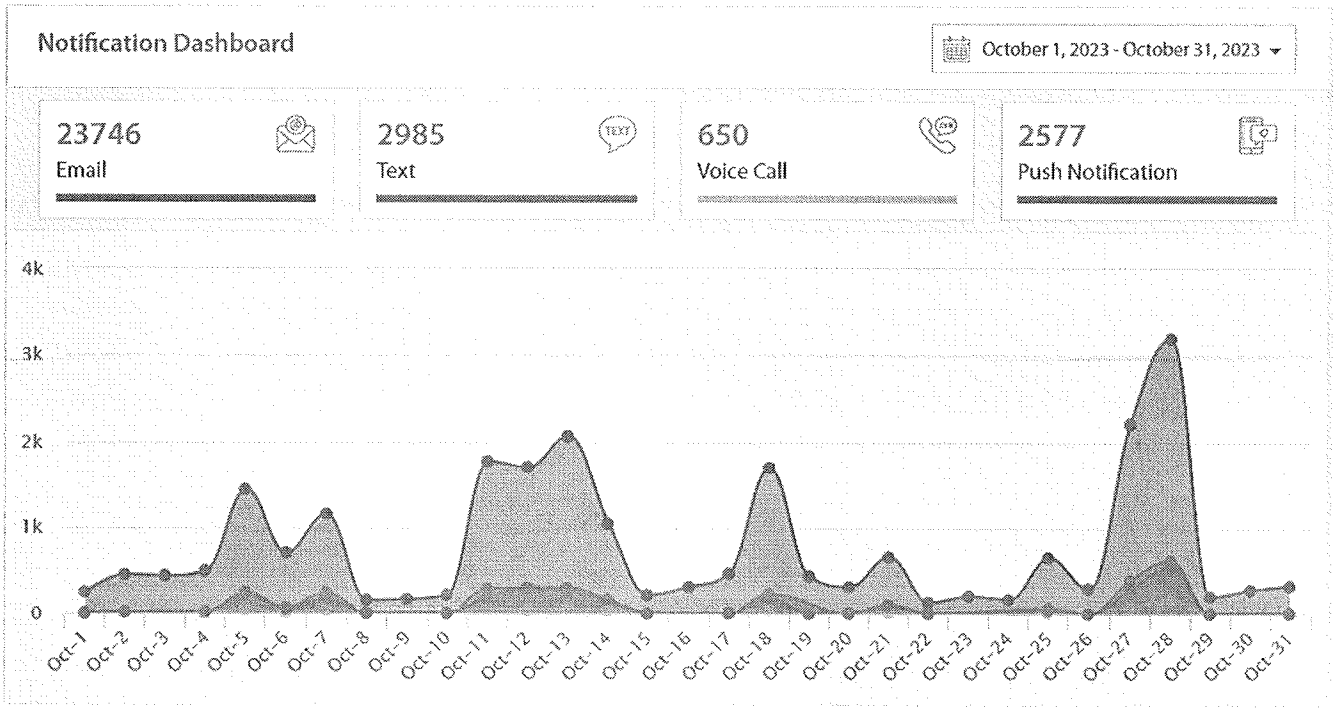
- Water usage data: When logged into the app or portal, it's possible to view water consumption data and compare it to previous time periods. Customers can download this data and use it to see where/how they can lower their use.

- Water conservation tips: On the "Value of Water" page we offer information to help customers use less water (and save on their bills). A link leading to the Rebates page can also be found on the company website.

Figure 6: My Utility Account "MUA"

My Utility Account

Below is a chart of all the notifications sent to customers in October 2023:



4.5 Instructions on How to Read Meter

In addition to Informative Billing, the Utility also provides instructions to customers on how to read their own meter on the GBWC website. Normally, all meters are read monthly by the utility although meters may be read more often if there is an anomaly in the read or customer complaint. Occasionally, meters may be read less often due to conditions beyond the company's control such as weather. Customers can monitor their consumption more often by reading their own meter. This will help them measure their water conservation efforts at any singular moment and will provide an early alert to any leak they may have within their own plumbing.

The objective of this information is to give some control back to the customer in order to create behavioral changes in water use. There really isn't a methodology for evaluating or truly estimating the effects on

GBWC peak demand and water consumption for this program. Instructions on how to read your meter are included in **Appendix F.**

4.6 Utility Website

The Utility will continue to provide community education on water conservation to increase public awareness. In addition, conservation tips and videos are placed on the website, https://www.myutility.us/greatbasinwater seasonally. Landscaping conservation tips are posted for May/June months and continue throughout the summer; whereas indoor conservation tips are made available during the months of September/October, and extreme cold weather conservation tips (contact information for frozen pipes, etc.) are made available during December/January.

Included in **Appendix G** are other websites customers can utilize to obtain valuable information on water conservation tips, drought, landscape, and WaterSense video links.

4.7 Impact of Public Awareness – Community Engagement

Effective Water Conservation Plans are a partnership between the community and the Utility. Raising public awareness regarding the need to conserve and protect this precious resource, the impact conservation can have on rates and monthly consumption bills, the impact it has providing safe reliable drinking water is a key facet to this water conservation plan.

The global COVID-19 pandemic severely impacted the ways utilities communicate with customers. GBWC enhanced its website and emails to communicate water conservation with customers.

According to 2022 J.D. Power Residential Water Survey results, if customers hear a message through some form of electronic media, email, social media or the website, their satisfaction scores go up 79 index points. 2022 U.S. Water Utility Residential Customer Satisfaction Study | J.D. Power (jdpower.com).

Key Performance Indicators

- Proactive communications have a powerful effect.
- Email, website communications, electronic/social media rank highest.
- E-bill recipients report higher satisfaction than paper bill customers.
- Customer awareness of infrastructure investment drives goodwill.

The main goals included adding value to customers as well as educating customers about who GBWC is and the commitment to the communities served.

Customer Satisfaction Score

In 2023, Corix instituted Customer Satisfaction CSAT scores. A customer satisfaction score is essentially a custom satisfaction survey that measures a customer's satisfaction with an organization. The score is calculated by asking questions about the customer's experience, which is formatted into a survey scale that can range from 1-3, 1-5, or 1-10. While scores vary by industry, a good score is typically between 75-85%, with anything above 85% considered fantastic.

The customer satisfaction score is important for several reasons. It provides hard data that alerts on how satisfied or dissatisfied customers are with services and programs. If there is a low CSAT score, this indicates improvements are needed.

Examples of new GBWC online communications and an example of the CSAT score dashboard can be seen in **Appendix H.**

4.8 Youth Outreach

The initial impacts of the COVID-19 pandemic had significant impacts on youth outreach programs. GBWC has prepared youth water conservation materials for distribution to young students in Nevada. Each year GBWC provides coloring books to youth as well as Guide to Saving Water and Who Cleans Our Water in several public venues.

The Utility will continue to promote water conservation to youth in Nevada by providing educational materials and interaction at events and after school programs. Nevada is the driest state in the nation and protecting our water resources will need to continue through the generations.

Youth water conservation materials, which are interactive with young students, help to educate future customers about the need to conserve this precious resource. This would be considered a long-term strategy in creating positive behavioral changes that will have a future impact on water use. Once again, estimating the effects on peak demand and water consumption is not viable.

4.9 Xeriscape and Landscaping

Water usage is much higher in the summer than the winter. In dry climates such as Nevada, a household's outdoor water use can be as high as 60 percent of consumption. In addition, some experts estimate that as much as 50 percent of water used for irrigation is wasted due to evaporation, wind, or runoff caused by inefficient irrigation methods and systems.

By definition, the term "Xeriscape" means a style of landscape design requiring little or no irrigation or other maintenance, used in arid regions. Xeriscape is not Lawn-Less; it is Less-Lawn. The Utility will encourage its customers to become more conscious about the types of plants that can be purchased and will require the least amount of water, and the locations where they are most suited for planting. In addition, the Utility will educate its customers on Xeriscape landscaping, and the use of planting in zones, determined by the amount of water needed to avoid over-watering by contacting their local Extension office. The Utility partners with University of Nevada, Reno Extension https://extension.unr.edu/ to promote water wise landscaping which are both attractive and water smart. **See Appendix I and J.**

These practices are proven to have significant positive effects on peak demand and water consumption, with the use of drought tolerant plant and low water use landscaping. In order to estimate the effect, GBWC would need to be able to track customers that have replaced high water landscaping features with Xeriscape and low water demand landscaping. Once again, historical baseline data from these customers would be beneficial to compare to future demands.

4.10 Public Education and Awareness

The public education and awareness programs can be very informative to customers by providing knowledge on sustainability and conservation of water in their communities. When it comes to estimating the effect on reducing water use as it relates to peak demand and water consumption, many of these types of programs are just too subjective to quantify the effect. What can be said is that these programs can have a positive effect in reducing peak demand and water consumption if they are implemented correctly. The real goal of these type of programs are to instill positive behavioral changes in customers and encourage them to implement reductions in personal water use.

4.11 Assigned Day Watering

NRS 704.6622(1)(j) requires that the plan set forth provisions relating to watering restrictions based on the time of day and the day of the week. GBWC implemented mandatory assigned day watering during summer peak demand months.

Figure 7: Assigned Day Watering Schedule

1. Customers with odd number street addresses may water only on Tuesday, Thursday and Saturday.
2. Customers with even number street addresses may water only on Monday, Wednesday and Friday.
3. No outdoor watering between the hours of 10:00 a.m. and 7:00 p.m.
4. No outdoor watering on Sundays.

In addition to Assigned Day Watering and limiting water hours to prevent evaporation due to heat, consumers should also be mindful of other irrigation water wastes such as avoiding watering on windy days. Customers should also avoid over watering by stepping on the grass and if it springs back, it doesn't need watering. Lastly, customer should avoid water run-off as run-off not only wastes water, but it can also pollute water resources.

Mandatory assigned watering days do promote a reduction in water consumption and estimating the affect for peak demand and water consumption can be quantified by comparing historical summer baseline data to summer current data. This program expects to have a significant positive effect on reducing peak demand and water consumption by limiting outdoor watering days for the customers.

4.12 Nye County School District Reclaimed Water Project - Pahrump Division

This project provided 1,352,518 gallons of reclaimed water to the Pahrump Valley High School for irrigation of the sports fields in May 2022. This project offers benefits to the high school, the community, the basin, and GBWC customers by potentially reducing the use of potable water for irrigation and offsetting it with reclaimed water. The vicinity of the school allowed for a connection from the Discovery Park irrigation infrastructure to the Lakeside Golf Course pipeline and a reclaimed water distribution service line and meter was installed to the school.

The replacement of potable water source for irrigation of school fields with a reclaimed water source may have a significant direct effect on reducing peak demand and water consumption during the summer months in the GBWC-Pahrump Division. The historical consumption data on the irrigation of the school

fields will give GBWC-PD a direct quantifiable measurement of the effect in reducing peak demand and potable water consumption to the state of Nevada, Division of Water Resources. *See* NRS 704.6622(d) (requiring that the plan include provisions relating to the management of water to, where applicable, increase the reuse of effluent).

5. Conservation Schedule, Costs & Incentives (NRS 704.6624)

5.1 Schedule

NAC 704.567(3)(b) requires that the plan include a "report on the status of each program of water conservation that has been approved by the Commission."

Many of the components in this Water Conservation Plan are ongoing from previous water conservation efforts and strategies, which have been previously approved by the Commission (signified by those projects for which years prior to 2018 have been checked). The schedule for the components of this plan is shown in Table 5.

Cold Springs Division -– A, Pahrump Division – B, Spanish Springs – C, Spring Creek – D, All Divisions – X

Table 5: Water Conservation Implementation Schedule

Conservation Strategy	Conservation Measure	2016	2017	2018	2019	2020	2021	2022
Public Education	Community Outreach	X	X	X	X	B	B	B,D
	Home Water Audit	X	X	X	X	X	X	X
	How to Read Your Meter	X	X	X	X	X	X	X
	Informative Billing	X	X	X	X	X	X	X
	www.GreatBasinWaterCo.com	X	X	X	X	X	X	X
	Impact of Public Awareness	X	X	X	X	X	X	X
	Youth Outreach	X	X	X	X	X	X	X
	Xeriscape & Landscape	X	X	X	X	X	X	X
	My Utility Account				X	X	X	X
	Social Media Facebook					X		
	Assigned Day Watering	X	X	X	X	X	X	X

Other Water Conservation Measures	Nye County School District Reclaimed Water Project						B	B
	Bill Credits Ultra-Low Flush Toilets	B,D	B,D	B,D	X	X	X	X
	Bill Credits WaterSense Labeled Flushometer Valves						X	X
	Bill Credits WaterSense Labeled Urinals						X	X
	Bill Credits High Efficiency Washers	B,D	B,D	X	X	X	X	X
	Bill Credits High Efficiency WaterSense Bathroom Faucets			X	X	X	X	X
	Bill Credits High Efficiency WaterSense Showerheads			X	X	X	X	X
	Bill Credits WaterSense Irrigation Controller			X	X	X	X	X
	Tamarisk (Salt cedar) removal	B	B	X	X	X	X	X
	Tariff Modifications	X	X	X	X	X	X	X
	Violation Fees		X	X	X	X	X	X
	Water Rate Setting	X	X	X	X	X	X	X
System Management	Meter Replacement Program	X	X	X	X	X	X	X
	SCADA	X	X	X	X	X	X	X
	System Pressure Standards	X	X	X	X	X	X	X
	Leaks and System Repairs	X	X	X	X	X	X	X
	Unauthorized Use of Utility Water		X	X	X	X	X	X
	Standards and Specifications	X	X	X	X	X	X	X
	Line Locates	X	X	X	X	X	X	X

	Drought Plan	X	X	X	X	X	X	X

Some components of the plan, such as tariff modifications and water rates are scheduled by anticipated rate case years. Other new components are scheduled with the approval of this Water Conservation Plan and the PUCN approval of the 2024 IRP. Most components will remain ongoing for the 5 years depicted by this schedule.

5.2 Outreach Program Costs Annually

NAC 704.567(3)(b) requires that the plan contain a table for each program summarizing its cost; please see this information below.

Table 6: Cold Springs Program Cost Estimated Annually

5.A. Cold Springs Division	Event/s	Estimated Attendance	Annual Estimated Costs of Conservation Materials Distributed
2020	N/A	N/A	$0
2021	N/A	N/A	$0
2022	N/A	N/A	$0

Table 7: Pahrump Program Cost Estimated Annually

5.B. Pahrump Division	Event/s	Estimated Attendance	Annual Estimated Costs of Conservation Materials Distributed
2020	2 events	1869	$1,773.00
2021	2 events	105	$222.75
2022	2 events	600	$849.00

Table 8: Spanish Springs Program Cost Estimated Annually

5.C. Spanish Springs Division	Event/s	Estimated Attendance	Annual Estimated Costs of Conservation Materials Distributed
2020	N/A	N/A	$0
2021	N/A	N/A	$0
2022	N/A	N/A	$0

Table 9: Spring Creek Program Cost Estimated Annually

5.D. Spring Creek Division	Event/s	Estimated Attendance	Annual Estimated Costs of Conservation Materials Distributed
2020	N/A	N/A	$0
2021	N/A	N/A	$0

2022	1 event	25	$137.50

Starting in December of 2018, GBWC offered a *free* Water Conservation Kit to all single and multi-family residential customers. The Water Conservation Kit has a retail value of $ 12.50 each. To date, Cold Springs received 4, Pahrump 6, Spanish Springs 1, and Spring Creek 6 with an overall value of $212.50. This free kit remains on the website under the Education tab, then the Water Conservation drop down menu. The kit includes two-bathroom 1.0 GPM dual-thread PCA Faucet Aerator, one kitchen 1.5 GPM kitchen swivel spray/stream dual-thread aerator, and a 2-pack of toilet blue dye tablets.

5.3 O&M Cost Assumptions

It is assumed that there is not a cost associated with the Assigned Day Watering program as it is an ongoing program, and at most would be de minimis for notifying customers of violations.

5.4 Nye County School District Reclaimed Water Project

The O&M costs for this project lie on school property, such as the electric costs and maintenance of the school irrigation tank and pump. The O&M costs on school property would be the responsibility of the Nye County School District and would not be passed on to the Company's ratepayers. This project supports customer needs, the school district, protects the basin, supports the Commission goal of recycling water, while protecting other customers from financial burden of ongoing O&M costs.

5.5 Programs and the Level of Effect on Peak Demand and Water Consumption

The following table is a breakdown of the programs that GBWC has implemented, is implementing, or proposes to implement along with whether the program can achieve quantitative results and the estimated level of effect each has on peak demand and water consumption.

Table 10: Programs and the Level of Effect on Peak Demand and Water Consumption

CATEGORY/PROGRAM	Quantitative Estimate Achievable? (Yes/No)	Level of Effect on Peak Demand/Water Consumption
Public Education & Awareness		
Community Outreach	No	Minor
Home Water Audit	No	Minor – Moderate
Informative Billing	No	Minor
"How to Read your Meter"	No	Minor
Website Tips on Conservation	No	Minor
Impact of Public Awareness	No	Minor
Youth Outreach	No	Minor
Xeriscape & Landscaping	Possibly Yes	Minor – Moderate
Other Specific Conservative Measures		
Assigned Water Days	Yes	Moderate – Major
NCSC Reclaimed Irrigation	Yes	Major
System Management		
Meter Replacement	Yes	Minor – Moderate
SCADA	No	Minor
System Pressures	No	Minor – Moderate

Leak Detection & Repair	Yes	Minor – Moderate
Construction Standards & Specification	No	Minor
Line Location	No	Minor
Unauthorized use of utility Water	No	Minor
Drought Period Conservation		
Restricted Outdoor Water Use	Yes	Moderate – Major

* Estimated Level Effectiveness: Minor (<2%); Moderate (≥2%<5%); Major (≥5%)

Estimated Water Savings

It is difficult to determine the actual amount of water savings which can be achieved through conservation. As stated in Section 6, Conservation Incentives, water efficiency measures are specific tools, devices, and practices that result in more efficient water use such as single-family toilet retrofits and clothes washer rebates. Water efficiency incentives promote water conservation and motivate customers to adopt specific water efficiency measures. Water efficiency incentives include education programs, water use regulations, and water rates. There have been many recent advances in water-efficient technologies, including advances in the efficiency of indoor water plumbing fixtures such as toilets, faucets, and showerheads.

Conservation Rates

NRS 704.6622(1)(i) requires that the plan include provisions relating to "tiered rate structures for the pricing of water."

Price can be an effective instrument for reducing water demand. Research has consistently shown that water users respond in an inverse manner to changes in the price of water. In general, as the price of water increases, water use decreases. This principal, however, may only hold true for discretionary water use, the portion of a person's water use beyond what is necessary to meet their perceived needs. Tiered-rate structures charge higher rates as water use increases. These rate structures encourage efficiency, while ensuring the affordability of water for essential uses.

Water users respond to changes in water rates by changing water use practices and implementing available water conservation measures. In the short-run, water users may respond by reducing car washing or their showering time. This short-run response is difficult to quantify. For the longer term, water users respond to rates by taking advantage of water conservation measures. These measures may include Xeriscape, reduction in lawn size, installing efficient appliances, and/or exercising other water conservation best management practices. A common strategy for managing demand through pricing is the use of increasing block rates, which encourages water conservation by charging users higher rates for higher volume use.

All divisions of Great Basin Water Co. have inclining block rates. The Utility will continue to recommend a tiered rate structure for metered customers to the PUCN. All the Utility's customers are metered with utility bills divided between base rates and multiple tiered rates (as opposed to a flat rate), and therefore, the monetary incentive exists to conserve water.

NAC 704.567(1)(10) requires that the plan include a description of water conservation programs regarding use of "conservation pricing." Water rates as a conservation incentive work to increase awareness about the financial value of reducing water use and can motivate users to implement water conservation measures. The two-tiered rate

structure (currently utilized by GBWC) helps to encourage its users to become more conscious of the water that is being used by increasing the cost to use higher volumes of water. The existing water rates have been designed to charge users for water they use (First Tier) and to encourage conservation particularly with discretionary use (Second and Third Tier).

The Utility will continue to file regular General Rate Cases with the PUCN recommending tiered rates. This is particularly important to promote water conservation for large consumers, such landscaping. While education, system management, and other conservation measures may approach practical limitations for increased water conservation gains, rates, on the other hand, have the long-term potential to continue to influence demand. Rates are an important conservation measure but should be balanced with the fact that public water agencies also have an obligation to protect the Utility's ability to continue to provide safe and reliable drinking water for the wellbeing and vitality of the communities they serve.

Overview of Conservation Incentives

Water conservation incentives are defined as methods which motivate water users to implement conservation/efficiency measures. In itself, conservation incentives (like public education) do not directly save a single drop of water; they increase the customer awareness about the value of reducing water. Increasing public awareness about the value of reducing water will lead to users making behavioral changes which will result in the increased implementation of conservation measures which directly save a quantifiable amount of water. Conservation incentives are classified into three categories: environmental, financial, and regulatory. Examples of water conservation incentives are listed below:

Environmental Incentive

Through reduction in pollutants in run-off water, reduced pumping from well(s) containing contaminants such as arsenic the preservation of water can be achieved Depleting reservoirs and groundwater can put water supplies, human health, and the environment at risk. Lower water levels can contribute to higher concentrations of natural or human pollutants. Using water more efficiently helps maintain supplies at safe levels, protecting human health and the environment.

The environmental incentive is consistent throughout each water conservation methodology. However, the Utility believes that public awareness, such as understanding how to landscape using less water while still achieving the desired aesthetics, will promote water conservation. Therefore, the Utility will continue to educate its customers on this facet of water conservation.

Financial Incentive

Particularly in difficult economic times, the financial incentives to reduce monthly bills and keep rates from rising (through the need for additional capital investments for tanks and wells) make for a powerful conservation incentive as well. Additionally, bill credits, conservation designed water rate structures, incentives, surcharge fees, developer rebates/compensations for water savings achieved, etc. can be added financial incentives.

The financial incentive is consistent throughout each water conservation methodology through the implementation of water conservation rates and the avoidance of investment for additional capacity and supply facilities, which in turn would go into rates.

Regulatory Incentives

Regulatory conservation incentives include tariffs on outdoor water irrigation scheduling, water wasting, a schedule of penalties/fines which will be implemented to enforce the violation of any water wasting within its service area, and water right "credits" for new developments which implement water wise landscaping. The Utility has submitted for PUCN approval new tariff rules on water conservation and water rights to incorporate these incentives.
Consideration is being given for the Utility to provide definitions of "water waste" in its Tariffs and provide warnings for such defined "water waste." The Utility has included educational resources on Xeriscaping methods, types of water smart plants which grow well in the area, and the difficulty in watering small strips/odd shaped turf, etc. in this water conservation plan to encourage its users to become more conscious about the types of plants to purchase and locations to place them.

The Utility is responsible for creating Tariffs within its service area, however; the PUCN must approve these Tariffs before the Utility can implement them. The intent of these future proposed water rules and regulations is to restrict use if it is found that water is being wasted or to limit water use during water shortages and drought conditions, and to provide broad-spectrum water conservation measures.

Through the Utility's regulators, rules can be established which provide added water conservation incentives: off-day watering schedules, water waste penalties, water rate structures, pollution prevention requirements, rebates or bill credits, fines/penalties, water rights requirements, etc. As a regulated utility, the Utility will continue to work with the PUCN to include water conservation measures in the Utility's Tariff.

6. Conservation Incentive Rebates

NRS 704.6624(1)(b) requires that the water conservation plan include a plan to provide incentives to "retrofit existing structures with plumbing fixtures designed to conserve the use of water."

If every person and business in the United States installed water efficient appliances, the country could save more than 3 trillion gallons of water. Nevada residents can also help by using water efficiently in their homes. For example, if every home in Nevada replaced older, inefficient showerheads with WaterSense labeled models, it could save more than 6 million gallons of water per day. That's enough water to fill the famous Bellagio Fountains in Las Vegas nearly 100 times a year. Additionally, it could save $13 million in water bills and $30 million in energy costs associated with heating water.

Most people realize that hot water uses a lot of energy but supplying and treating cold water requires a significant amount of energy, too. American public water supply and treatment facilities consume about 56 billion kilowatt-hours per year—enough electricity to power more than 5 million homes for an entire year. By reducing household water use, not only is water conserved, but energy consumption reduced, which can, in fact, help positively impact climate change.

- If one out of every 100 American homes retrofitted with water-efficient fixtures, the country could save about 100 million kWh of electricity per year—avoiding 80,000 tons of greenhouse gas emissions. That is equivalent to removing nearly 15,000 automobiles from the road for one year!
- If 1 percent of American homes replaced their older, inefficient toilets with WaterSense labeled models, the country would save more than 38 million kWh of electricity—enough to supply more than 43,000 households' electricity for one month.

- Letting your faucet run for five minutes uses about as much energy as letting a 60-watt light bulb run for 14 hours.
- Replacing a clock-based controller with a WaterSense labeled irrigation controller can reduce an average home's irrigation water use by up to 30 percent and can save an average home up to 15,000 gallons of water annually.

6.1 Incentives for Plumbing Retrofit

A four-year summary of historical Water Conservation Rebates is provided in the tables below:

Table 11: Historical WaterSense Labeled Toilet Rebates

High Efficiency Toilet Replacement	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$50	4	$200	2	$100	0	$0	0	$0
Spring Creek	$50	1	$50	0	$0	1	$50	0	$0
Cold Springs	$50	1	$50	0	$0	0	$0	0	$0
Spanish Springs	N/A	0	$0	2	$100	0	$0	0	$0
Totals		**6**	**$300**	**4**	**$200**	**1**	**$50**	**0**	**$0**

Table 12: Historical Energy Star Washing Machine Rebates

High Efficiency Washer Replacement	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$75	0	$0	0	$0	1	$75	0	$0
Spring Creek	$75	0	$0	1	$75	0	0	0	$0
Cold Springs	$75	0	$0	0	$0	1	$75	0	$0
Spanish Springs	$75	0	$0	0	$0	0	0	0	$0
Totals		**0**	**$0**	**1**	**$75**	**2**	**$150**	**0**	**$0**

Table 13: Historical WaterSense Labeled Bathroom Faucets

WaterSense Bathroom Faucets	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$25	2	$50	0	$0	2	$50	0	$0
Spring Creek	$25	0	$0	0	$0	0	$0	0	$0
Cold Springs	$25	0	$0	0	$0	0	$0	0	$0
Spanish Springs	$25	0	$0	0	$0	0	$0	0	$0
Totals		**2**	**$50**	**0**	**$0**	**2**	**$50**	**0**	$0

Table 14: Historical WaterSense Labeled Showerheads

WaterSense Showerhead	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$ 15	2	$30	0	$0	0	$0	0	$0
Spring Creek	$15	0	$0	0	$0	0	$0	0	$0
Cold Springs	$15	0	$0	0	$0	0	$0	0	$0
Spanish Springs	$15	0	$0	0	$0	0	$0	0	$0
Totals		**2**	**$30**	**0**	**$0**	**0**	$0	**0**	**$0**

Table 15: Historical WaterSense Labeled Flushometer Valve

WaterSense Labeled Flushometer Valve	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$50	0	$0	0	$0	0	$0	0	$0
Spring Creek	$50	0	$0	0	$0	0	$0	0	$0
Cold Springs	$50	0	$0	0	$0	0	$0	0	$0
Spanish Springs	$50	0	$0	0	$0	0	$0	0	$0
Totals		**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**

Table 16: Historical WaterSense Labeled Urinal

WaterSense Labeled Urinal	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$50	0	$0	0	$0	0	$0	0	$0
Spring Creek	$50	0	$0	0	$0	0	$0	0	$0
Cold Springs	$50	0	$0	0	$0	0	$0	0	$0
Spanish Springs	$50	0	$0	0	$0	0	$0	0	$0
Totals		**0**	**$0**	**0**	**$0**	**0**	**$0**	**0**	**$0**

6.2 Incentives for Water Efficient Landscaping

Table 17: Historical Salt Cedar Rebates

Salt Cedar Removal	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$75	0	$0	0	$0	0	$0	0	$0
Spring Creek	$75	0	$0	0	$0	0	$0	0	$0

Cold Springs	$75	0	$0	0	$0	0	$0	0	$0
Spanish Springs	$75	0	$0	0	$0	0	$0	0	$0
Totals		**0**	$0	**0**	$0	**0**	$0	**0**	$0

Table 18: Historical WaterSense Labeled Weather-based Irrigation Controller

WaterSense Weather-based Irrigation Controllers	Rebate Amount	2019 No.	2019 Total Cost	2020 No.	2020 Total Cost	2021 No.	2021 Total Cost	2022 No.	2022 Total Cost
Pahrump	$75	0	$0	0	$0	0	$0	1	$75
Spring Creek	$75	0	$0	0	$0	0	$0	0	$0
Cold Springs	$75	0	$0	0	$0	0	$0	0	$0
Spanish Springs	$75	0	$0	0	$0	0	$0	0	$0
Totals		0	$0	**0**	$0	**0**	$0	**1**	$75

6.3 WaterSense Labeled Toilets

All WaterSense labeled tank-type toilets must comply with and are independently certified to meet the same rigorous performance requirements as standard toilets, including:

- **Mixed testing media flush ability:** Ability to flush testing media of different sizes and density (i.e., floating versus sinking media).
- **Bowl surface cleaning:** Ability to clean the surface of the bowl.
- **Drain line waste transport:** Ability to transport waste media through a drain line.
- **Waste extraction:** Ability to clear soybean paste test media (meant to be representative of human waste) and toilet paper from the bowl.

WaterSense labeled toilets are high-efficiency toilets (HET) that use no more than 1.28 gallons per flush (gpf). This is 20 percent less water than the current federal standard of 1.6 gpf. Small residential customers (single family residents or multi-family residences up to four units) who install an HET at the Utility service address are eligible for a bill credit. **Appendix M** provides copies of the application for the bill credit, the toilets which are eligible for a bill credit, the terms and conditions of the bill credit, and a Frequently Asked Questions ("FAQ") sheet.

6.3.A. WaterSense Labeled Flushometer Valve

WaterSense labeled flushometer-valve toilets, whether single- or dual-flush, use no more than 1.28 gpf, which is a 20 percent savings over the federal standard of 1.6 gpf. WaterSense has also included a minimum flush volume of 1.0 gpf to ensure plumbing systems have adequate flow to function effectively. GBWC chose $50.00 as a rebate to incentivize plumbing retrofit. GBWC used its experience with WaterSense Toilets and estimated 12 rebates per year for WaterSense Toilets.
Whether a consumer is looking to reduce water use in a new facility or replace old, inefficient toilets in commercial restrooms, a WaterSense labeled flushometer-valve toilet is a high-performance, water-efficient option worth considering. **Appendix M1** provides copies of the application for the bill credit, eligibility for a bill credit, the terms and conditions of the bill credit, and FAQ sheet.

6.3.B. WaterSense Labeled Urinal

Replacing these inefficient fixtures with WaterSense labeled flushing urinals can save between 0.5 and 4.5 gpf, without sacrificing performance. The WaterSense label helps purchasers easily identify high-performing, water-efficient urinals and other products. Installing water-saving flushing urinals will not only reduce water use in facilities, but also save money on water bills. GBWC chose $50.00 as a rebate to incentivize plumbing retrofit. GBWC used its experience with WaterSense Toilets and estimated 12 rebates per year for WaterSense Urinals.

WaterSense labeled flushing urinals use no more than 0.5 gpf and comply with existing standards for flushing urinals. To ensure adequate performance, urinals must also be independently certified to ensure that they flush effectively and have properly functioning drain traps before they can earn the WaterSense label. **Appendix M2** provides copies of the application for the bill credit, eligibility for a bill credit, the terms and conditions of the bill credit, and FAQ sheet.

6.4 Energy Star Washers

The annual average for Energy Star Washers rebate is 4, at $75 per washer. GBWC assumes the same annual average going forward. Although GBWC wishes to expand the program to Spanish Springs, the assumption is that it will not dramatically change the number of $75 rebates per year.

After toilets, washing machines are the second greatest water user in the typical North American household, accounting for 22 percent of the indoor water use. High-efficiency washers use approximately 25 gallons per load versus 40 to 50 gallons per load for older machines. The next washing machine you buy will have an enormous impact on the amount of water you will use over the next 10 years. This is why the Utility will offer a rebate on a customer's water bill when they buy a qualifying water efficient washing machine designated as an Energy Star appliance by the USEPA. With a high-efficiency washer, a consumer can save soap, wear and tear on clothing, drying time, energy, money, and water.

High-efficiency washing machines ("HEWM") use half the water of traditional top loaders. The continuous but gently tumbling action gets clothes cleaner without the wear and tear of an agitator. Therefore, the Utility will provide the added financial incentive to retrofit existing structures with plumbing fixtures designed to conserve the use of water through the implementation of a bill credit for high-efficiency washing machines. Small residential customers (single family residents or multi-family residences up to four units) are eligible for the bill credit when purchasing and installing an HEWM at a premise receiving service from the Utility. **Appendix N** provides copies of the application for the bill credit, the high-efficiency washing machines which are eligible for a bill credit, the terms and conditions of the bill credit, and FAQ sheet.

6.5 WaterSense Labeled Bathroom Faucets

WaterSense bathroom faucets can be as expensive as $300. However, there are many models which can be purchased for much less than $100. GBWC chose $25.00 as a rebate to incentivize plumbing retrofit without providing the funds to refurbish a bathroom. GBWC used its experience with WaterSense Toilets and estimated 12 rebates per year for WaterSense Bathroom Faucets.

WaterSense labeled bathroom faucets are high-efficiency bathroom faucets in which the maximum flow rate shall not exceed 1.5 gallons per minute (gpm). Replacing old, inefficient bathroom faucets and

aerators with WaterSense labeled models can save the average family 700 gallons of water per year, equal to the amount of water needed to take 40 showers. **Appendix P** provides copies of the application for the bill credit, the WaterSense labeled bathroom faucets which are eligible for a bill credit, the terms and conditions of the bill credit, and FAQ sheet.

6.6 WaterSense Labeled Showerheads

WaterSense showerheads can be over $100. However, there are many models which can be purchased for much less than $25. GBWC chose $15.00 as a rebate to incentivize plumbing retrofit. GBWC used its experience with WaterSense Toilets and estimated 12 rebates per year for WaterSense Bathroom Faucets.

WaterSense labeled showerheads are high-efficiency showerheads that use no more than 2.0 gpm versus the standard showerheads that use 2.5 gpm. The average family could save 2,700 gallons of water per year by installing WaterSense labeled showerheads. **Appendix Q** provides copies of the application for the bill credit, the WaterSense labeled showerheads which are eligible for a bill credit, the terms and conditions of the bill credit, and FAQ sheet.

Incentives for Water Efficient Landscaping

NRS 704.6624(1)(c) requires that the water conservation plan include a plan to provide incentives for the "installation of landscaping that uses a minimal amount of water."

The Utility encourages the installation of landscaping which uses a minimal amount of water.
(Please see **Appendices I and J** regarding Xeriscape and Landscaping.)

6.7 WaterSense Labeled Weather-Based Irrigation Controllers

WaterSense Weather-Based Controllers range from about $120 to $150. GBWC chose $75.00 as a rebate to incentivize plumbing retrofit. GBWC used its experience with WaterSense Toilets and estimated 12 rebates per year for WaterSense weather-based controllers.

WaterSense labeled Irrigation Controller are a new generation of smart irrigation controllers that use current weather data to properly adapt irrigation schedules. WaterSense labeled controllers have the potential to save homeowners across the United States 110 billion gallons of water and roughly $410 million per year on utility bills by continually balancing plant's changing requirements with environmental changes. **Appendix R** provides copies of the application for the bill credit, the WaterSense labeled Irrigation Controller which are eligible for a bill credit, the terms and conditions of the bill credit and a FAQ sheet.

6.8 Salt Cedar Removal

Although, there have been no rebates given for salt cedar removal in the past three years, GBWC has planned for at least 4 customers who will remove 3 trees. The maximum number of trees which are eligible for rebate per premise is 3.

Tamarisk-Salt cedar are very drought-tolerant plants that send long deep roots (30 feet is not unusual) to exploit groundwater deposits. Not only are they depleting the groundwater supplies, they release salt crystals that poison the soil disrupting the growth of other foliage. Salt cedars can consume 200 to 250 gallons of water daily during growing stages. **Appendix O** provides copies of the application for the bill

credit, Tamarisk-Salt cedar plants which are eligible for a bill credit, the terms and conditions of the bill credit, and FAQ sheet.

6.9 Conservation Goals - GBWC Divisions Residential Annual Usage and GPCD

NRS 704.6622(1)(k) requires that the water conservation plan include measures to evaluate the effectiveness of the plan."

6.9.A. Cold Springs

Table 19: Cold Springs Residential Annual Usage & Gallons Per Capita Per Day

GBWC COLD SPRINGS Division Residential Annual Usage and Gallons Per Capita Per Day (GPCD)			
COLD SPRINGS YEAR	**ANNUAL RESIDENTIAL WATER USAGE**	**TOTAL AVERAGE ACTIVE RESIDENTIAL CONNECTIONS**	**GPCD Based on Population per household IRP (2.77)**
2020	405,000,359	3,503	114
2021	401,838,602	3,577	111
2022	371,944,756	3,636	101

6.9.B. Pahrump

Table 20: Pahrump Residential Annual Usage & Gallons Per Capita Per Day

GBWC PAHRUMP Division Residential Annual Usage and Gallons Per Capita Per Day (GPCD)			
PAHRUMP YEAR	**ANNUAL RESIDENTIAL WATER USAGE**	**TOTAL AVERAGE ACTIVE RESIDENTIAL CONNECTIONS**	**GPCD Based on Population per household IRP (2.36)**
2020	445,431,942	4,916	105
2021	478,434,962	4,947	112
2022	481,278,912	5,080	110

6.9.C. Spanish Springs

Table 21: Spanish Springs Residential Annual Usage & Gallons Per Capita Per Day

GBWC SPANISH SPRINGS Division Residential Annual Usage and Gallons Per Capita Per Day (GPCD)			
SPANISH SPRINGS YEAR	**ANNUAL RESIDENTIAL WATER USAGE**	**TOTAL AVERAGE ACTIVE RESIDENTIAL CONNECTIONS**	**GPCD Based on Population per household IRP (2.71)**
2020	184,847,780	566	330
2021	171,203,907	570	304
2022	169,907,480	572	300

6.9.D. Spring Creek

Table 22: Spring Creek Residential Annual Usage & Gallons Per Capita Per Day

GBWC SPRING CREEK Division Residential Annual Usage and Gallons Per Capita Per Day (GPCD)			
SPRING CREEK YEAR	**ANNUAL RESIDENTIAL WATER USAGE**	**TOTAL AVERAGE ACTIVE RESIDENTIAL CONNECTIONS**	**GPCD Based on Population per household IRP (3.19)**
2020	725,943,770	4,667	134
2021	691,186,401	4,697	126
2022	673,247,312	4,720	123

GBWC goals and key objectives of the consolidated water conservation plan are as follows:

- Increase customer awareness of water use habits and retrofits;
- Encourage a conservation ethic in customers;
- Educate customers about conservation and water supply issues;
- Reduce system-wide per capita consumption;
- Protect natural resources; and
- Comply with state guidelines.

The Utility provides educational materials which inform its users on the importance of water savings through the retrofitting of old plumbing fixtures. **Appendix K** lists United States Environmental Protection Agency ("USEPA") water usage benchmarks for typical residential uses.
Appendix L is a list of water saving products which can be purchased relatively inexpensively.

Environmental Incentive
The environmental incentive is consistent throughout each water conservation methodology. However, the Utility believes that public awareness, such as understanding the amount water consumption used by appliances and fixtures will promote conservation. Therefore, the Utility will continue to educate its customers on this facet of water conservation.

Financial Incentive
The financial incentive is consistent throughout each water conservation methodology through the implementation of water conservation rates and the avoidance of investment for additional capacity and supply facilities, which in turn would go into rates.

Regulatory Incentive
It is the policy of the Utility and this Water Conservation Plan to encourage water efficiencies, including the retrofitting of existing structures with plumbing fixtures designed to conserve the use of water, to its customers.

Fines
No fines have been issued in any division. It is assumed the threat of penalty helps deter customers from waste of water and tampering and has not projected any annual fines in the next three years.

Water Rate Setting

GBWC has conservation rates, and all connections are metered. Rate setting is a cost of doing business as a regulated utility.

7. System Management

These components of the System Management tools for water conservation are part of regular operations and are a normal course of business for a water utility. They would be necessary without a Water Conservation Plan; although, they support water conservation efforts.

7.1 Capital Costs

The Nye County School District Reclaimed Water Project was completed for $59K, which was significantly below IRP approved budget.

7.2 Measures

NRS 704.6622(1)(k) requires that the water conservation plan include "[m]easures to evaluate the effectiveness of the plan." There are many variables which influence water consumption: economic climate, weather, desire to conserve water, rates, conversation awareness, rules and regulations, environmental concerns, peer pressure, etc. However, the change may be influenced by factors which are not a part of the Water Conservation Plan, such as weather or the economy. The success of a water conservation plan may take many years to realize, pending the effectiveness of the plan.

In addition, with a comprehensive Water Conservation Plan, it is difficult, if not impossible, to measure the impact of singular strategies within the plan. However, the overall goal of conserving water can be broken down into two objectives: the reduction of inside-the-wall use and the reduction of outside-of-the wall use. Some of the individual strategies may overlap both objectives (such as rate making), others may be directed at one or the other of the objectives (such as Xeriscape or plumbing retrofits). But, as the vast majority of water service connections are not measured separately between inside and outside use, it is most likely that the overall success of the plan will be able to be measured. Individual water conservation strategies will be measured through estimates based on the data that is available.

It is the Utility's intention to file a rate case as needed. As part of a rate case, consumption is evaluated by experts. In general, the first tier in an inclining block rate structure is the amount of monthly consumption to be considered inside-the-wall use, determined through winter consumption data. Any subsequent tier(s) are considered outside-the-wall use. As the Utility files general rate cases through the years, the tier levels will help measure the objectives and the consumption trend and will not only help measure the overall effectiveness of the Water Conservation Plan, but the inside-the-walls versus outside-the-walls strategies.

In addition, new water conservation programs such as rebates or bill credits, a specific estimate of savings can be evaluated based off the replacement of "water hogs" with "water efficient" plumbing retrofits. The meter replacement program has been able to establish an estimate of water savings based on the age of the meter correlated with the average water loss of a meter of that age. Regardless, the true effectiveness of a water conservation plan (coupled with uncontrollable variables such as economy and weather) can truly only be measured by asking whether the consumption (per person/capita) in the community reduced over time.

7.3 Meter Replacements

All customers in the Utility service areas are metered. Meters are replaced with Automatic Meter Reading (AMR) meters when damaged or age impaired. When necessary, meters are tested for accuracy pursuant to tariff Rule No. 19. In addition, with the implementation of Customer Care and Billing software ("CC&B"), meter readers can input a code into their meter reading handheld device to note any issues with meter reading so that the situation can be corrected, or the meter replaced. Efforts are being made to change out manual read meters with AMR meters. Meters are primarily replaced through attrition so exact meter replacements quantities are unknown. The cost per a ¾" AMR meter is $268.00.

While there are many benefits to AMR meters, they have benefits specifically to water conservation by reducing apparent water losses (slow reading meters) and provide customer details regarding individual consumption patterns far beyond what manual read meters can provide. Additional benefits to water conservation (among the other benefits) from AMR are the consistent, timely meter reads without the need to estimate reads related to manual reading (sometimes obstructed by weather, animals, and other obstacles). This provides the consumers with actual timely data to better manage their water use. AMR reduces apparent losses.

New technologies (next generation AMI) for metering are continuing to be explored by GBWC. For example, ultrasonic meters, unlike traditional meters, contain no moving parts to wear out, break, or seize-up. Ultrasonic meters are currently being deployed in the Pahrump Division.

7.4 SCADA

The Utility utilizes Supervisory Control and Data Acquisition ("SCADA") to alert operators of any potential malfunctions of the tanks, wells, and booster stations to minimize losses in the system caused by issues such as a tank over-flow.

SCADA has the ability to monitor critical assets and their functionality in a water system. SCADA collects data on wells, tanks, booster stations, and stores it so GBWC can monitor and compare historical system data to current system data. While some data can be quantified and used to estimate the effects on peak demand and water consumption, the majority of the data provides subjective analysis for operators to make the water system more efficient. This efficiency can provide positive estimated effects on peak demand and water consumption.

7.5 System Pressures

System pressures should be maintained within the American Water Works Association ("AWWA") standards of 40-100 psi throughout the system during maximum day demand. A precautionary boil order is issued until bacterial testing can be completed and results are confirmed when loss of pressure in the system occurs. The public is notified as soon as possible once the problem is identified and is kept updated as to when the precautionary boil order is lifted.

While reducing distribution system pressures can help to reduce non-revenue water in a water system, direct quantification of the effect in peak demand and water consumption is difficult. It can be said that this program does have a positive effect on reducing peak demand and water consumption over time.

7.6 Leak Detection & Repair

All leaks in the GBWC systems are repaired upon notification. However, leaks also occur on the customers' side of the meters as well. When meters are read by the Utility's Field Technician with an automatic read device, in which the meter read is automatically entered into the device, depending on the manufacturer software and device for reading AMR meters, the device may send an immediate alert to the field operator if the read is out of historic consumption range. In addition, the Utility's Customer Care and Billing Program (CC&B) automatically sends a Field Order for a verification (visual read) when the read indicates abnormally high consumption, where the operator will check the read and the leak indicator. The leak indicator is a spoke or triangle on the meter face which spins when water is moving through the meter. If the consumption is raising, the field operator may either have personal customer interaction or leave a door tag to notify the customer of a possible leak (depending on the judgment of the field technician and signs of normal consumption such as irrigation).

Customers may also notify the Utility of high consumption. Customers can use Appendix E, Informative Billing, to assist in assessing their usage pattern and the possibility of leaks. Again, a visual read will be done, and the leak indicator checked. The new AMR's will assist the customers and CC&B with timely, accurate reads to better identify leaks. Customer Care may have operations collect a data log report of the AMR meter. A data logger is a small device the operator fits to the AMR water meter. This device measures water use 24 hours a day, 7 days a week. With a data logger, you can access water use to identify any unexplained water losses such as leaks, faulty equipment, or excessive irrigation up to five months.

The implementation of leak detection and repairs has a direct impact on reducing peak demand and water consumption. The estimates effect on peak demand and water consumption can then be directly quantified.

7.7 Construction Standard & Specifications

The Utility has developed standards and specifications to assure that the distribution systems meet or exceed industry standards, including water systems pressure zones, main sizes, service line installations, and materials. In addition, soils testing and compaction testing are done prior to installation to identify any potential threats to the distribution system's integrity.

The implementation of construction standards and specifications for the water systems ensure that new infrastructure is designed and constructed in a manner that will reduce the possibility of leaks and premature failures of the new assets. Directly estimating the effect this program has on peak demand and water consumption is not possible due to the subjective nature of the program. It can be said that, over time, this program will have a positive effect on peak demand and water consumption.

7.8 Line Locates

Interagency collaboration speeds leak repairs through fast-tracking line location ("call before you dig") and prompt repair. In addition, these line locates prevent damage to underground infrastructure inadvertently caused by digging.
"Call before you dig" provides preventative disruption of water line breaks and water loss by locating the water infrastructure underground before excavations occur. While quantifying the effects are not possible, one can say that by preventing breaks due to excavation, it reduces the possibility of water loss. The estimated effect on peak demand and water consumption would be considered neutral since no water is gained or lost by this program.

7.9 Unauthorized Use of Utility Water

This program is more of an enforcement type of measure to stifle the unlawful use of utility water. Since it is more preventative to stop the unauthorized use, it is difficult to estimate the effects on peak demand and water consumption. GBWC looks at this program as subjective in deterring this type of action.

The Utility continues to audit in order to identify and correct unauthorized water use. Examples of unauthorized use include, but are not limited to: unmetered water consumption, consumption without applying for service per Water Tariff Rule No. 3, construction consumption (a.k.a. temporary or construction fire hydrant consumption) without applying for temporary service, connection or reconnection of service without utility authorization, etc. Turning a Utility meter on or off is considered tampering. Only the Utility's authorized personnel are permitted to handle a water meter. Purposefully preventing a meter from being accurately read through blockade, hazard, or other means is prohibited. The Utility has approval from the PUCN for fines and penalties to be implemented as an enforcement measure for unauthorized use and/or meter tampering of Utility water. The following fine structure incorporated into this plan was approved by the PUCN.

1st Offense - $25.00 per day
2nd Offense - $50.00 per day
3rd Offense - $100.00 per day
4th Offense - $250.00 per day

Each day or portion thereof during which a violation continues may constitute a separate offense. In addition, any person, customer, or legal entity who has been previously warned is subject to the next penalty level.

7.10 Water Loss Audit

NRS 704.6623 requires that the water conservation plan include a water loss audit.

Non-revenue water ("NRW") is a term used to reflect the distributed volume of water, which is not reflected in customer billings. The International Water Association (IWA) and the American Water Works Association (AWWA) define non-revenue water as equal to the total amount of water flowing into the potable water supply network from the source (Wells) minus the total amount of water that industrial and domestic consumers are authorized to use (metered/billed authorized consumption). There are two broad types of losses that occur in drinking water utilities, which include apparent losses and real losses.

- Apparent Losses are the non-physical losses that occur in utility operations due to customer meter inaccuracies, systematic data handling errors in customer billing systems, and unauthorized consumption. In other words, this is water that is consumed but is not properly measured, accounted, or paid for.
- Real Losses are the physical losses of water from the distribution system, including leakage and storage overflows. These losses inflate the water utility's production costs and stress water resources since they represent water that is extracted (and/or possibly treated), yet never reaches beneficial use.

Tables 23 – 27 show the difference (water loss) between historical water production and known usage over a ten-year period in the GBWC service area divisions.

Table 23. GBWC-CSD Historical Non-Revenue Water Quantities

Year	Production (MG)	Metered Use (MG)	Unbilled Water (MG)	% Unbilled Water
2020	502.32	464.56	37.76	7.5%
2021	487.16	472.47	14.69	3.0%
2022	456.45	434.79	21.66	4.8%
			3 Yr. Average	**5.09%**

Table 24. GBWC-PD Historical Water Losses

Year	Average Water Produced (MG) (1)	Average Water Metered and Authorized Water Use (MG) (2)	Water Lost (MG) (3)	Water Lost Percentage (4)
2020	1,207.42	952.80	191.51	16.7%
2021	1,160.36	969.89	190.47	16.4%
2022	1,191.20	1,081.94	109.26	9.2%
			3-Yr Average	**14.1**

Notes:

(1) Average water metered is total meter consumption from provided consumption data and includes authorized utility water use from Report 15.
(2) Water lost is the difference between water produced and water metered.
(3) Water percentage lost is the difference between water produced and water metered divided by the water produced.

Table 25. GBWC-SSD Historical Non-Revenue Water Quantities

Year	Production (MG)	Metered Use (MG)	Unbilled Water (MG)	% Unbilled Water
2020	194.87	186.92	7.95	4.1%
2021	177.20	171.96	5.24	3.0%
2022	180.49	174.88	5.62	3.1%
		3 Yr. Average % of Unbilled Water		**3.4%**

(1) The average % of unbilled water was calculated using only the data from 2020 and 2022.

Table 26. GBWC-SCD Historical Non-Revenue Quantities – 200 Tract

Year	Water Production [1] (MG/Y)	Water Consumption [2] (MG/Y)	Non-Revenue Water [3] (MG/Y)	% Non-Revenue Water [3]
2020	229	170	59	26%
2021	223	163	60	27%
2022	216	157	59	27%
			3-Yr Average	**27%**

(1) Historical water production data from Table 3.03.
(2) Historical metered water usage data from Table 3.07.
(3) Non-revenue water is the difference between water production and water consumption.

Table 27. GBWC-SCD Historical Non-Revenue Quantities – Housing Section

Year	Water Production [1] (MG/Y)	Water Consumption [2] (MG/Y)	Non-Revenue Water [3] (MG/Y)	% Non-Revenue Water [3]
2020	731	683	48	7%
2021	667	652	15	2%
2022	686	589	97	14%
			3-Yr Average	**8%**

(1) Historical water production data from Table 3.03.
(2) Historical metered water usage data from Table 3.07.
(3) Non-revenue water is the difference between water production and water consumption.

The following measures are being implemented for all the divisions to either maintain the AWWA standard (Cold Springs and Spanish Springs) or reduce the levels (Spring Creek and Pahrump Divisions). These are ongoing efforts to reduce real water losses from the water production process to the water delivery point and apparent losses in the utility operations:

- Well production meters should be regularly tested, monitored, and maintained.
- Storage tanks should be inspected at regular intervals to assure integrity against leakage.
- High system pressures should be reduced by implementation of system improvement projects including, but not limited to, the addition of VFDs on wells and booster pumps, the addition of more pressure reducing stations, and pipeline improvement projects.
- GBWC's continued diligence in repairing all pipeline leaks and breaks in a timely manner.
- Continue replacing existing meters with automatic meter reading/advanced metering infrastructure (AMR/AMI) to help identify and reduce anomalies from inaccurate meters.
- Continue tracking waterline breaks and leaks as a tool to prioritize and target pipeline system improvements.
- Install water meters at PRVs to monitor water flowing between pressure zones. The installation of flow meters at the existing and future PRVs will allow for better delineation of NRW within specific pressure zones to better target leaks.

Based on the analysis per GBWC divisions, it is recommended that these practices be continued and that investigations are performed to determine the cause of high NRW for all the water systems in the four divisions.

8. Water Reclamation

NAC 704.5672 requires that the water conservation plan set forth, to the extent practicable, information about reclaimed water and its potential for use as a water source in the utility's service area.

Water conservation is the reduction of water loss, waste, or use through specific measures or efficiency improvements. It is typically the most cost-effective means of expanding existing water supplies without new infrastructure. Water reuse is achieved through purifying wastewater for beneficial, non-potable uses such as irrigation and basin recharge.

8.1.A. Pahrump Division

Pahrump Division provides annual wastewater treatment plant tours to Great Basin College microbiology nursing students each spring, excluding years 2020-2023 due to COVID-19. This provides hands-on learning opportunities to experience that kind of real-world level research such as looking at microbes under the microscope and focusing on the treatment plant processes. This can help them decide to become future science majors. We know one of the biggest challenges facing wastewater industry is finding new operators and technicians, and it is programs like this that benefit not only the student's knowledge but expose them to different science-based career opportunities.

A stakeholder's group was formed in 2014 by Pahrump community members interested in education to create a Master Plan, including reclaimed water education, for Discovery Park. These members included, but are not limited to, the Friends of Discovery Park, Red Rock Audubon Society, Great Basin Community College, the Town of Pahrump Parks Division, Manse Elementary School, Discovery Park neighbors, etc. GBWC contributed as a voting member to the Groundwater Management Plan (GWMP) for the Hydrographic Basin 162, which included recommendations on reclaimed water use. The Nye County School District works with GBWC to irrigate with reclaimed water and provide education on the safety of reclaimed water. GBWC has discussed the benefits of reclaimed water with the Nye County Commissioners and the Nye County Governing Water Board, both informally and formally, at their meetings. These are just a few examples of how the utility has coordinated with local water, wastewater, groundwater, and planning agencies that operate within the utility's service area.

NAC 704.5672(1)(a) & 2(a) request a description of the wastewater treatment in the utility's service area, including the quantities of sewage collected and treated by the utility.

- Pahrump Plant 3 is a 1.5 MGD Sequence Batch Reactor (SBR) Wastewater Treatment Plant (WWTP).
- Pahrump Mountain Falls WWTP is a 750,000 gpd SBR WWTP.
- Pahrump Plant F is a 49,999 gpd package plant.
- SMMR WWTP is a 58,000 gpd with the ability to add another 58K gpd treatment train in the future. (The system is not yet owned by GBWC-PD, 2022)

The table below provides the average monthly flows for each of these plants.

Table 28: Pahrump Average Annual Monthly Wastewater Flows (2022)

WWTP	Average Monthly Flow
Pahrump Plant 3	21,540,000
Pahrump Mountain Falls WWTP	3,750,000
Pahrump Plant F	780,000
SMMR Plant	240,000

NAC 704.5672(1)(b) requires the utility's methods for the disposal of effluent and the reclamation of water.
NAC 704.5672(2)(c) requires a statement that the water is otherwise available for use in a project of water reclamation.
NAC 704.5672 (5) requires a plan to maximize the use of reclaimed water in the utility's service area. The plan must include, without limitation, any action by the utility to:

(a) Facilitate the installation of systems for the distribution of water that have dedicated lines for the distribution of potable water and reclaimed water;
(b) Promote the recirculation of water;
(c) Facilitate the increased use of treated wastewater that complies with the standards of water quality for reclaimed water established by the State Environmental Commission pursuant to chapter 445A of NRS;

GBWC provides reuse alternatives for all the economically viable reclaimed water produced, and 100% of this reclaimed water is put to beneficial use.[7] GBWC provides reclaimed water to one golf course, high school, and a park, as well as Rapid Infiltration Basins.

The irrigation process provides for the recirculation of reclaimed water. In addition, the receiving ponds for the irrigation systems have aeration. As 100% of the viable reclaimed water is used for irrigation and the recharge basins, GBWC does not have plans for purple pipe for distribution beyond those described below. Promoting activities such as native and drought-tolerant landscaping, low-flow water fixtures, and other best management practices are an essential part of planning for GBWC future water supply.

The following reuse programs are implemented or proposed by GBWC:

- Irrigation of Discovery Park with Plant 3 reclaimed water
- Irrigation of the Lakeview Golf Course with reclaimed water from the Plant 3 WWTP
- Irrigation of Mountain Falls Golf Course with reclaimed water from the Mountain Falls WWTP and
- Irrigation of a school with reclaimed water from the Plant 3 WWTP
- Rapid infiltration basins for recharge of reclaimed water from the Plant 3 WWTP

NAC 704.5672(4) requires a description of the potential uses for reclaimed water in the utility's service area, including, without limitation:
(a) Agricultural irrigation;
(b) Irrigation of large landscapes, including, without limitation, golf courses, parks and school ground;
(c) The enhancement of wildlife habitat;
(d) The creation, restoration or preservation of wetlands;

[7] Plant F in Pahrump and the WWTP in Spring Creek do not have enough flow to make it economical to transport reclaim water. In addition, the soils are such the RIBs are not a viable alternative for Plant F.

(e) Industrial uses; and
(f) The recharging of groundwater.

As described above, the reclaimed water from both the Mountain Falls WWTP and Plant 3 are used for the irrigation of large landscapes including golf course and a park with irrigation of school grounds (the Nye County School District Reclaim Project). In addition, the park, Discovery Park irrigated with reclaimed water from Plant 3, offers enhancement of wildlife habitat. Red Rock Audubon Society and new 501c3 Friends of Discovery Park are partners of the park and have donated thousands of hours and dollars to the park, focused on wildlife habitat. GBWC has restored the wetlands on the property via the Pond Remediation Project which occurred with PUCN approval in late 2014 and continues their preservation with partners of the park. Currently there are no agricultural uses at the park, however, the opportunity for future agricultural uses are being explored through various interested parties. The Rapid Infiltration Basins ("RIBs") provide recharging of groundwater.

The industrial reuse opportunities are extremely minimal if at all. Dust control at the Pahrump landfill (while not strictly industrial use) has been explored. However, it is not financially viable for the landfill owners with the small amount of reclaimed water produced by the closest WWTP, Plant F, coupled with the distance to the landfill.

NAC 704.5672(2)(b) requires a statement that the reclaim water complies with the standards of water quality for reclaimed water established by the State.
NAC 704.5672(3) requires a description of the reclaimed water that is used in the utility's service area, including, without limitation, the location, quantity and type of each use.
NAC 704.5672(5)(d) requires that the water conservation plan describe any action to identify the impediments to achieving the increased use of treated wastewater and to remove those impediments.
Per NAC 445A.275, the effluent quality required for reuse is secondary treatment defined as meeting 30 mg/L of total suspended solids (TSS), 30 mg/L of biochemical oxygen demand (BOD), pH ranging between 6-9, and a varying bacteriological quality based on intended use. This is translated into "categories" of "reuse" or "reclaim" water quality.

- Category A is the most stringent and requires a 30-day geometric mean bacterial count of less than or equal to 2.2 most probable number (MPN) per 100 milliliters (mL) (total coliforms), and a maximum daily count of 23 MPN/100 mL (total coliforms). Reclaimed wastewater meeting Category A is suitable for irrigation of a golf course, park, or greenbelt where public access is not restricted and human contact with the reclaimed water is expected.
- Category B is the next most stringent and requires a 30-day geometric mean bacterial count of less than or equal to 2.2 MPN/100 mL (fecal coliforms), and maximum daily count of 23 MPN/100 mL (fecal coliforms). Reclaimed wastewater meeting Category B is suitable for irrigation of a golf course, park, or greenbelt where public access is controlled and human contact with the reclaimed water is not expected.
- Category C requires a 30-day geometric mean bacterial count of less than or equal to 23 MPN/100 mL (fecal coliforms), and maximum daily count of 240 MPN/100 mL (fecal coliforms). Reclaimed wastewater meeting Category C is suitable for irrigation of a golf course or greenbelt (not a park) where public access is controlled and human contact with the reclaimed wastewater does not occur. In addition, a buffer zone of not less than 100 feet must be maintained around the irrigation area. Other potential uses include use in an impoundment where public access is controlled, and human contact is not likely to occur.

The discharges from GBWC's four WWTPs comply with the standards of water quality for reclaimed water established by the state environmental agency, Nevada Division of Environmental Protection (NDEP).

In Pahrump, Plant 3 and Mountain Falls WWTPs produce Category B reclaimed water, which is already safely used for turf irrigation at facilities with a high degree of public use – Discovery Park and Lakeview Golf Course. The reclaimed water is available for use in a project of reclamation. The location, type of reuse and quantity of reuse is described in the table below. The annual quantity of reuse is the range of annual reclaimed water reused from January 2013 to December 2017.

Table 29: Pahrump Location, Type of Reuse and Quantity of Reuse (2022)

Location	Type of Reuse	Annual Quantity of Reuse, MG per year
Discovery Park	Irrigation	89 to 290
Lakeview Golf Course	Irrigation	91 to 102
Mountain Falls Golf Course	Irrigation	20 to 33
Plant F	Spray/Drip Irrigation or	0
Pahrump High School Sports Fields	Irrigation	0, currently not receiving

The potential uses of reclaimed water in the utility's service area include spray irrigation of a school and a park near Plant 3 and groundwater recharge via RIBs. The park offers the ability for reclaim water to be put to beneficial use for the enhancement of wildlife habitat and wetlands restoration and preservation. The park may offer future agricultural reuse opportunities. The amount of reclaimed water that can be used for each of these potential uses is 2.6 to 4.9 MG/year for the Pahrump High School and up to 237 MG/year for the groundwater recharge of Plant 3 reclaimed water in Phase 1.

GBWC's plan to reuse reclaimed water is to implement the potential uses described above. A plan is in place to extend a reclaimed water line to the school for reuse of water on that property for ball field irrigation. This water conservation plan describes the construction cost associated with this reclaimed water extension project and its schedule.

The installation of Rapid Infiltration Basins at Plant 3 WWTP has not only been mandated by the NDEP but will provide groundwater recharge and offer GBWC another source of reclaimed water disposal in the event of the closure of the golf course. GBWC has built two of the six RIBs in Discovery Park for recharging effluent from WWTP Plant 3. The two RIBs have a capacity of 237 MG/year and will be expanded to ultimately consist of six RIBs for recharging all the Plant 3 WWTP discharge flow.

Plant F in Pahrump WWTP does not produce enough effluent to economically transport reclaimed water. Future use for Plant F may include dust control for the local landfill, but additional infrastructure would be needed.

NAC 704.5672(6) requires a projection of the use of reclaimed water within the utility's service area at the end of the 3rd, 10th, 15th, and 20th years of the resource plan.

A projection of the utility's use of reclaimed water at the end of the utility's 3rd, 10th, 15th, and 20th years are summarized in the table below.

Table 30: Pahrump Reclaimed Water Use Projection

Location	Type of Reuse	Projected Average Annual Quantity of Reuse MG per year			
		3rd Year	10th Year	15th Year	20th Year
Discovery Park	Irrigation	121.3	121.3	121.3	121.3
Lakeview Golf Course	Irrigation	98.0	98.0	98.0	98.0
Mountain Falls Golf Course	Irrigation	25.0	25.0	25.0	25.0
School	Irrigation	3.7	3.7	3.7	3.7
Rapid Infiltration Basins	Recharge	60.0	90.0	120.0	150*[8]

* GBWC-PD completed the installation of 2 RIB's in Discovery Park in 2020. November 2020 is the first discharge to these RIB's with each having a maximum of 625,000 gpd capacity. Projections are based on discharges into the RIB's occurring as of December 2020 at a total of 500,000 being discharged.

Even with the projections of increased flows for the 3rd, 10th, 15th, and 20th years, the volume of wastewater is too small to justify the amount of capital to develop reclaimed water for Plant F in Pahrump and Spring Creek's WWPT 1.

Table 31: Pahrump Plant F Wastewater Flows Projection

YEAR	PROJECTED WWTP Flow, ADF (gpd)	PROJECTED WWTP flow, AFMM (gpd)
2029	0.029	0.038
2034	0.031	0.040
2039	0.033	0.043
2044	0.036	0.046

Overall, it is concluded that as long as sufficient water is available from wells, there is little justification for the expenses (both capital and operating) that would be required to operate a wastewater reclamation system, especially given the relatively small quantity of water available for reclamation. This may change in the future with the possibility of new development being annexed into the GBWC-SCD system. GBWC-SCD will investigate the potential use of reclaimed water as projects develop.
NAC 704.5672(7) requires that if a utility has previously submitted a projection of uses for reclaimed water within its service area, it submit a comparison of the actual uses of reclaimed water with the previous projection of uses for reclaimed water.

Estimated savings in water consumption or the reduction in demand for water that is attributable to each program are provided in the table below. The existing and proposed programs described above off set the use of potable water supplies. The estimated savings are based upon historical monthly use data from January 2013 to December 2022 for the existing programs. The estimate represents the range of annual reclaimed water used for the program (minimum to maximum) during the time period of the data. This range represents the projected water savings expected. The proposed program's water use is based upon

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GBWC-PD just finish the installation of 2 RIB's in Discovery Park in 2020. November 2020 is the first discharge to these RIB's with each having a maximum of 625,000 gpd capacity. Projections are based on discharges into the RIB's occurring as of December 2020 at a total of 500,000 being discharged.

expected use. The school currently uses 7,000 to 13,500 gpd of potable water (based on information provided by the school).

Table 32: Pahrump Water Savings Estimates for Reclaimed Water Programs (2022)

Program	Estimated Annual Water Savings, MG per year
Irrigation of Discovery Park	116 to 148
Irrigation of the Lakeview Golf Course	91 to 124
Irrigation of Mountain Falls Golf Course	20 to 33
Proposed Irrigation of School	2.6 to 4.9

This information can be used to provide an estimate of the effect on the utility's peak demand for water and water consumption for each program. The maximum demand for each of the reuse programs is provided above in Table 28 and is compared to the 2022 potable water demand. The maximum reclaimed water demand is based upon the maximum annual reclaimed water demand for each program converted into gpm. The net increase in potable water demand, thus the effect on the utilities maximum demand, if reclaimed water program was not in use is estimated in the table below.

8.1.B. Spring Creek Division

Spring Creek WWTP 1 is a 50,000-gallon Mar-Wood package plant.

Table 33: Spring Creek Average Annual Monthly Wastewater Flows (2022)

WWTP	Average Monthly Flow
Spring Creek WWTP 1	464,400

Potential future uses of reclaimed water from the Spring Creek Mar-Wood Plant include the Spring Creek Golf Course, Spring Creek Marina and surrounding park, Ray Schuckmann's Sports Complex, and dual-plumbed residential use. In order to provide reclaimed water that meets NAC requirements, the existing Mar-Wood WWTP would require major process upgrades. Reclaimed water distribution would also require storage and transmission piping from the treatment plant to the points of delivery. All these potential uses would require capital investment and likely plant treatment upgrades.

Table 34: Spring Creek Location, Type of Reuse and Quantity of Reuse

Location	Type of Reuse	Annual Quantity of Reuse, MG per year
Spring Creek WWTP 1	Leach field	0

*Spring Creek WWTP does not produce enough effluent to be economical to transport reclaimed water.

Table 35: Spring Creek Wastewater Flows Projection

YEAR	PROJECTED WWTP Flow, ADF (gpd)	PROJECTED WWTP flow, AFMM (gpd)
2025	48,000	52,320
2032	55,300	60.277
2037	60,510	65,956
2044	66,360	72,332

9. Drought Plan & Interruption of Water Supply

NAC 704.5671 requires that the water conservation plan include an analysis for potential water shortages. NRS 704.6622(1)(e) requires that the water conservation plan include a contingency plan for drought conditions that ensures a supply of potable water.

The primary goal of water conservation is to ensure that there is sufficient water for essential public health and safety needs at all times. The climate in Nevada is arid and subject to periodic droughts that can vary in duration. The Utility relies completely upon ground water (as opposed to surface water) to provide safe reliable drinking water to its customers. The impact of droughts can be particularly difficult to measure in the immediate. In fact, it can take several years or even thousands of years to realize the impact of a severe drought. Nonetheless, it is wise to protect water resources for generations to come today.

The GBWC Divisions' water supplies for the service areas are solely based on groundwater withdrawals. Unlike surface water, the groundwater supply is much more drought resistant than surface water. Having said that, the three years of water supply production (2020-2022), which involve the last three (3) years of drought showed no appreciable recorded reduction in the availability of groundwater in any of the GBWC Division's wells during these three years (as it relates to the GBWC-PD, GBWC-SCD, GBWC-CSD, and GBWC-SSD). As such, no additional modeling or analyses were performed to specifically evaluate this condition outside of the restrictions described in the Water Conservation Plan.
The Drought Plan (approved by the State of Nevada DWR as a part of the Water Conservation Plan) addresses watering restrictions in accordance with the utility tariff Rule No. 23, Sections F, and H through J.

9.1 Restrictions on Outdoor Water Use

NAC 704.567(1)(a)(12) requires that the water conservation plan include a description of provisions for water conservation that include prohibitions against wasting water. It is in the public interest to conserve water. Subject to implementation by the Utility, one or more conditions set forth in Rule No. 23, Sections F and G will apply to the outside use of water. By setting up mandatory and enforceable watering days during drought, GBWC can estimate the effect it will have on peak demand and water consumption similar to the assigned watering day program. The method for evaluating the effectiveness can be accomplished by comparing historical monthly metering and pumping data to current monthly data. A relatively quantifiable estimate can be achieved, especially during periods of drought.

1. Customers with odd number street addresses may water only on Tuesday, Thursday and Saturday.

2. Customers with even number street addresses may water only on Monday, Wednesday and Friday.

3. No outdoor watering between 10:00 a.m. and 7:00 p.m.
4. No outdoor watering on Sundays.

G. EXCEPTIONS AND APPLICATION PROCEDURE
Consideration of written applications for exceptions regarding restrictions on outside use of water set forth in Section F above shall be as follows:

1. Written applications for exceptions shall be accepted and may be granted by the Utility's on-site division supervisor.

2. Denials of applications may be appealed in writing to the Utility's Director of Operations.
3. Grounds for granting such applications shall include:

    a) Hand watering for the purpose of preserving law or shrubbery so that vegetation does not die;
    b) Testing of landscape irrigation systems provided that the person performing the test is present to observe system performance;
    c) New landscaping or lawn planted within the preceding 45 days.

ENFORCEMENT

Violation of Rule No. 23, Sections F through G will result in the issuance of a notice advising the Customer that he/she is not in compliance with the Utility's rules and regulations and is subject to disconnection for subsequent violations. Any such notice shall be delivered to the Customer either by leaving a notice at the residence with the Customer; or by leaving a copy of the notice attached to the front door or main entrance of the Customer's residence or place of business and mailing a duplicate notice by certified mail to the Customer.

A second violation of Section F through G within five (5) days of the first notice of violation, and without an approved exception, shall result in termination of the Customer's service in accordance with the Utility's rules and regulations. All usual reconnect fees and procedures shall apply to terminations authorized by this section.

ENFORCEMENT DURING PERIODS OF DROUGHT
In addition to H above, Enforcement during Periods of Drought will be consistent with GBWC's Water Conservation Plan which contains financial penalties.
Levy violation fees for water wasting and/or unauthorized use of utility water:

First offense	$ 25.00
Second Offense	$ 50.00
Third Offense	$100.00
Fourth offense and subsequent offenses	$250.00

Each day or portion thereof during which a violation continues may constitute a separate offense. In addition, any person, customer or legal entity who has been previously warned is subject to the next penalty level.

Discontinuance of water service and Turn On / Off fees may be applied.

NOTICE

The enforcements set forth in Section H and I above shall not be implemented by the Utility, except in cases of emergencies, prior to the expiration of three (3) days' notice in conformance with Rule No. 4 of this Tariff. Notice shall be deemed given three (3) days after mailing; first class postage pre-paid.

NAC 704.5671 requires that the water conservation plan provide an analysis for potential water shortages.

The Utility will maintain an adequate supply of potable water. This includes the implementation of a detailed staged contingency plan for drought conditions. The Utility's Drought Plan is contained in **Appendix B**.

All water supplied by the Utility comes from groundwater sources. Because of this, it is difficult to determine the effect of a drought year on the groundwater system and the consequences of a drought may not be detected in the water table until several years after the drought.

9.2 Interruption of Water Supply Overview

The GBWC service area in all four divisions relies entirely on groundwater. Several factors which might affect the reliability of groundwater are water quality, system problems, and legal problems.
There may be future changes in current law and regulations pertaining to water quality constituents or the possibility of the USEPA" adjusting acceptable levels that could affect the water reliability.

9.3 Historical Effects of Drought

Drought in Nevada is superimposed on chronic arid conditions. In contrast to a flood, the onset of a drought is characterized by gradual intensification. For most of Nevada, which depends mostly on streamflow for water supply; a drought is considered to be a period of 2 or more consecutive years in which streamflow is much less than average. Streamflow data for central and southern Nevada have been available only since the 1960's, records of hydrologic drought in those areas are few.

A major drought, possibly the most severe and longest of the 20th century, occurred throughout northern Nevada from 1928 to about 1937. Extended periods of deficient streamflow in the Humboldt River basin indicate an earlier beginning for the drought in that area. During the drought, streamflow exceeded the average in only 1 or 2 years at gaging stations for which data are available. Drought during the 1930's was especially severe in the Humboldt River basin. Drought conditions were somewhat alleviated in Sierra Nevada drainages, such as the Carson River in 1932 and 1937.

Two moderate droughts affected most of Nevada during the 1950's and early 1960's: 1953-55 and 1959-62. The drought of 1959-62 was probably the second most severe in the 20th century. As is common, both droughts were ended by floods.

During 1976-77, streamflow in the major rivers draining the Sierra Nevada and, to a lesser extent, in the Humboldt River and its tributaries, was far less than average. Because of substantial development and population increase since the 1950's, drought and potential mitigation became major concerns. During previous droughts, the major concern was adequacy of water supply for irrigation. The 1976-77 drought brought into focus additional issues such as adequacy for residential needs, necessity for water meters in

the Reno area, suitability of fish habitat in rivers, and the potential for Lake Tahoe as a water supply. The return to average and greater than average supplies in 1978-80 helped delay the resolution of some of those issues.

After an extremely wet period during 1982-86 in northern and western Nevada, a severe drought began in the fall of 1986 (beginning of water year 1987). Although the drought of 1987-88 had about the same severity as the drought of 1976-77, continued growth and development heightened the concerns about the effects of the most recent drought.

After the extremely dry years of 1987 and 1988, precipitation and streamflow in most of the major river basins of northern and northwestern Nevada returned to near-normal in 1989. Streamflow was slightly greater than average in the Humboldt River and near average in the Truckee and Carson Rivers but remained significantly less than average in the Walker River. As of 1989, it is uncertain whether the drought has ended or will continue.

In the southern part of the State, streamflow is meager and unreliable as a result of the arid climate; the only perennial stream in the area is the Colorado River, which is regulated in the reach bordering Nevada. The gaging station on Lee Canyon near Charleston Park has recorded only sporadic streamflow for many years; this typical near absence of data for ephemeral streams makes definition of hydrologic droughts in dry areas difficult.

As is true for floods, the effects of droughts are not constant with time. Continued population growth and land and resource development in the State ensure that floods and droughts of a severity that was troublesome decades ago will have a much greater effect in the future.

National Integrated Drought Information System (NIDIS) Drought.gov U.S. Drought Portal make available Nevada State pages which highlight U.S. Drought Monitor data, updated weekly. These include maps; statistics quantifying current drought conditions, with comparisons to last week, three months and one year ago, as well as beginning of the calendar year; timeline charts depicting the progression of drought over the past five years; and pie charts showing current proportions of drought status. The National Integrated Drought Information system (www.drought.gov/drought/regions/states) include listings of upcoming and recent drought-related webinars and events. Pages include links (when available) to state drought plans, state climatologist's office, Cooperative Extension offices, National Weather Service Forecast Offices, and other related agencies and resources. Another simple tool located at the bottom of the page is "How is Drought Affecting your Neighborhood?," where one can simply insert their zip code or location name for more information.

9.4 Maintenance Program

The third factor affecting reliability is equipment availability. GBWC has an active preventive maintenance program and outages due to equipment breakdowns have not been frequent enough to affect the supply without the implemented backup measures. Over the past few years, GBWC has enhanced its maintenance guidelines for critical infrastructure.

9.5 Catastrophic Interruption

GBWC divisions has four separate divisional Emergency Response Plans ("ERP") on file with the State of Nevada, Department of Public Safety, and Division of Emergency Management. In addition, GBWC also has an Emergency Response Manual. These documents are updated annually. They are kept in each GBWC division's office; and the Area Manager is responsible for updating them as necessary to accommodate new facilities, equipment, and technologies. In addition, all maps and schematics are kept secured at the divisional offices. The Emergency Response Manual, backflow program, valve maintenance program, and well and storage site inspection procedures are designed to assure that, in the event of an emergency, an affected location can be isolated and appropriate measures can be taken to minimize the time that a customer may be left without safe drinking water.

The plan and manual also provide consolidated access to emergency response teams, public notification partners, county and city officials, 24-hour response contractors, and other local support. The procedures for response are recorded for different categories of emergencies: natural and man-made.

In addition, GBWC has the advantage of operator and equipment support from over 500 utility systems within the parent company. Redundant communication systems are available in this day and age. Cell phone, land line, and satellite communications are available to the GBWC in case of an emergency.

Unfortunately, Corix has had more than tabletop exercises to train for disaster-related emergencies. There have been several incidents where the Corix team has united to overcome the damage caused by disaster, notably Hurricane Katrina. And, most recently, the floods from hurricanes plagued our sister companies in the southeast all the way to Texas. The combination of skills, manpower, and emergency equipment to the communities served by GBWC ensure safe drinking water (and sanitary sewer service). These same resources are available to all divisions of GBWC.

9.6 Regional Power Outage

Loss of power can have devastating impacts on drinking water and wastewater and the communities they serve. Power outages can be driven by a number of causes. Storms, blizzards, fire or equipment failure. Generators are a reliable source of power to ensure that operations can continue even in the event of a power outage. Backup commercial generators are a sound solution when it come to emergency backup power for all GBWC divisions.

Table 36: Generators - All Divisions

A. Cold Springs	
Well 6	
Well 7	
Well 8	
Van Dyke Well	
Well 1	
Booster Station, Tank 4	
B. Pahrump	
Well #2	MF WWTP
Well #11	WWTP #3
Well #12	Lift Station 4
MF Well #1	Plant F
MF Well #2	Lift Station #3
Country View Estates Well #1 & #2 Booster Pumps	Lift Station #10
Alfalfa Booster Pumps	Lift Station #11
Mesquite Booster Pumps	2- Portable WWTP #3
SMMR, SMMR Well #2 (shared with SMMR booster station)	
SMMR Booster Station (shared with SMMR Well 2)	
C. Spanish Springs	
Well #2	
Well #1	
Bridle Path Booster Pump	
D. Spring Creek	
Tank 103 Booster	Well #10
Tank 106 Booster	Well #11
Well #4	Well #12
Well #5	Portable generator located at Well 1 for Well-14
Twin Tank booster	Well #101
Well #8	WWTP #1
Well #9	Lift Station #1
Well #1	
Well #3	
Well #7	
Office Generator	

9.7 Earthquake or Other Natural Disaster

Earthquakes and severe storms are a possibility for GBWC. In the event of a foreseeable natural disaster, pre-event planning is done with all GBWC operators and other key staff to coordinate the emergency response.

The most likely damage to occur from natural disaster is main breaks. Disruption of service due to main breaks is lessened by stocking a sufficient inventory of repair materials. GBWC has contractors on call 24 hours a day, 7 days a week for emergency line repairs in all four divisions. Breaks are isolated through the operation of valves and repaired.

If pressure drops below 20 psi, a precautionary boil order is issued, and the repaired main is disinfected and flushed per AWWA Standard C601. Two successive samples are taken to ensure safe drinking water.

Should loss of storage occur from an earthquake (or any other reason) the affected tank can be isolated from the distribution system and the wells can pump directly into the system. Should the loss of a well occur due to the well casing collapsing in an earthquake (or any other reason) GBWC has other wells in service, or available to be called into service, in all divisions.

In the event that GBWC is not able to fulfill all the system requirements with available resources, reduction of non-essential system needs is possible and in accordance with the tariff approved by the PUC for construction, irrigation, and industrial customers. Procedures for curtailment are in the Emergency Response Manual.

9.8 Man-Made Disasters

Man-made disasters can come in many forms. Fortunately, GBWC has never experienced civil riots or acts of terrorism. Minor acts of vandalism have occurred, such as graffiti and target practice. Should a man-made disaster affect the infrastructure, the same procedures are followed with the local law enforcement being notified.
The most likely sources of contamination of water supplies are as a result of backflow loss of pressure in the system, though unprotected cross connection or after a break in the main. Purposeful intrusion into the system is guarded through fences, inspections and locks. Contamination of the water supply is protected by:

- Frequent monitoring and testing of water for bacteria.
- Recording of customer complaints regarding water quality.
- Working chlorinators at all wells.
- Active backflow prevention requiring routine monitoring of all new customer service applications and backflow prevention assemblies for potential cross connections.
- Ability to isolate segments of the water distribution system through use of valves.

The GBWC Tariff Rule No. 15 provides for Cross-Connection Prevention:

> Where any water pipe on a Customer's premises is cross-connected to another source of water supply, the Utility may refuse or discontinue service until there shall be installed at the expense of the Customer suitable protective devices, approved by the Utility, to protect against back-flow into the Utilities system, as required by the governmental authorities having jurisdiction. Customer or Applicant will own and maintain said cross-connection protective device(s) and provide to Utility each year the annual inspection report by a licensed cross-connection inspector.
>
> GBWC has created a Cross-Connection Control program and corresponding manual for all systems in the State of Nevada. Cross-connections between a potable water system and non-potable sources of contamination represent a threat to public health. This program is designed to maintain the safety and potability of the water in the supply and distribution system by preventing the introduction, by backflow, of any foreign liquids, gases or other substances into the supply system.

9.9 Drought & Water Supply Interruption Plan

The U.S. Drought Portal

The U.S. Drought Portal (www.drought.gov) is the U.S. government's authoritative drought information website. It provides a one-stop shop for data, decision-support products, resources, and information on drought—from drought monitoring and prediction, to planning and preparedness, to applied research.

The U.S. Drought Monitor depicts the location and intensity of drought across the country using five classifications: Abnormally Dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought (D1–D4). D1- Moderate Drought, D2-Severe Drought, D3-Extreme Drought, and D4-Exceptional Drought.

The U.S. Drought Monitor is a joint effort of the National Drought Mitigation Center, U.S. Department of Agriculture, and National Oceanic and Atmospheric Administration.

Figure 8: U.S. Drought Monitor Nevada

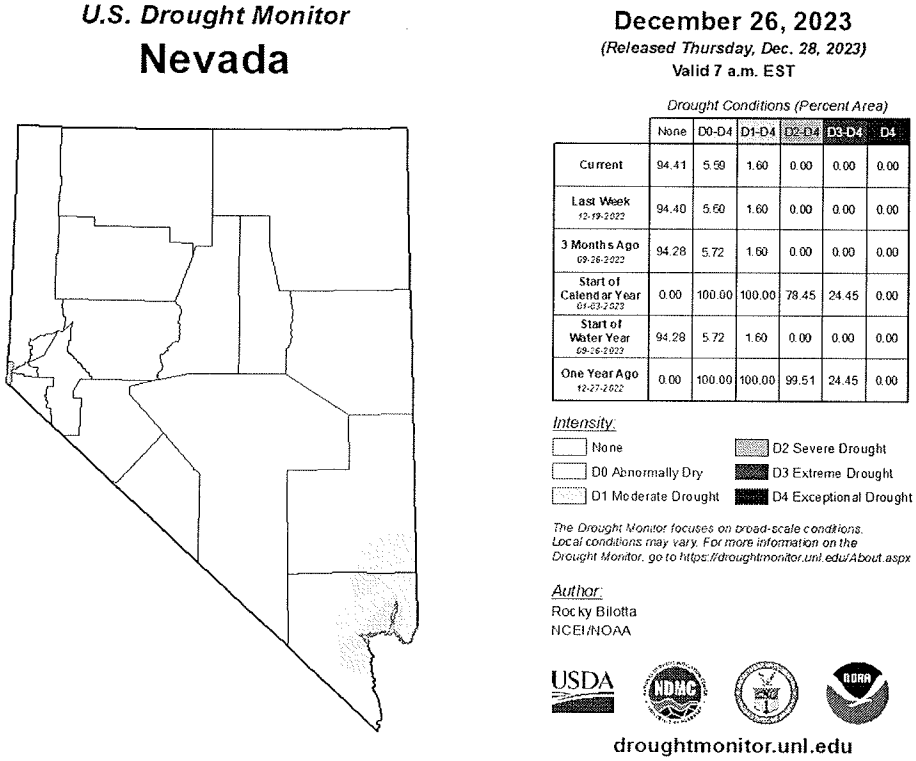

Table 37: Drought Classifications, Actions, & Fines

Drought Category	Public Agency Actions	Requested Consumer actions	Penalties for excessive use
D0	Early warning-Going into drought; watch for drought or coming out of drought		
D1 Moderate Drought **Drought Watch** **Minimal 15% reduction in total water production.**	1. Notify all customers of the water reduction. 2. Publicize information on the GBWC website explaining the importance or significant water use reductions. 3. Provide technical information to customers on ways to improve water use efficiency. 4. Remind customers of the need to save water (conduct media campaign). 5. Water Conservation Program-Enforcement of existing water conservation program as listed below with heavy enforcement from April through October. a. Outdoor water use prohibited daily from 10:00 a.m. to 7 p.m. b. Outdoor water use permitted 3 days per week. Odd addresses: Tuesday, Thursday, and Saturday. Even addresses: Monday, Wednesday, and Friday. (Some activities exempted by Tariff Rule 8). c. Vehicle, boat, and equipment washing requires an on/off nozzle on hose. d. Washing asphalt, concrete or building exteriors prohibited without permission. e. Prohibit irrigation flooding and water running or spraying off property. f. Leaky faucets, sprinklers, or plumbing fixtures to be repaired within 24 hours. g. Re-circulating pumps required on evaporative coolers. h. Restaurants encouraged to serve water on request.	Residential Customers 1. Implement voluntary water use reductions (15%). 2. Adhere to Water Conservation Program. Commercial, Industrial, and Governmental Customers. 1. Implement actions listed under Residential Customers. 2. Improve cooling efficiency.	1. Two warnings "Notice of Violation." 2. Levy penalties for water wasting and/or unauthorized use of utility water. $25. -first offense; $50. -second offense; $100. -third offense; $250. -fourth offense and subsequent offenses. Each day of non-compliance is considered a separate offense. 3. Discontinue water service and Turn On/Off fees.
D2 **Severe Drought** **Drought Alert** **Moderate 15% to 25% reduction in total water production.**	1. In addition to actions listed in D1, items 1, through 5, GBWC shall establish stricter water use reduction measures. 2. Water Conservation Program – Heavy enforcement each month (not limited to April through October with conservation officers working year-round). a. Prohibit outdoor water use from 10:00 a.m. to 8:00 p.m. daily.	Residential, Commercial, Industrial, and Governmental Customers. 1. Adhere to measures listed in D1, except implement voluntary use reduction by 25%. 2. Comply with landscaping ordinance for new landscaping.	1. One warning. 2. Levy penalties for water wasting and/or unauthorized use of utility water: $25. – first offense; $50. – second offense; $100. – third offense; $250. – fourth offense and subsequent offenses.

	b. Restrict outdoor water use to 2 days per week. c. Continue restrictions listed in D1, items 4. C. through 5. h. d. New landscaping to comply with existing and future landscape ordinances. 3. Request customers to voluntarily reduce water use by 25%. 4. Institute drought rates to cause further conservation. Explain new rate schedule to customers. 5. Forecast future actions. Explain further reductions planned in succeeding stages. 6. Reduce water use for street cleaning, water main and hydrant flushing, and landscaping around public buildings and parks.		Each day of non-compliance is considered a separate offense. 3. Discontinue water service and Turn On/Off fees.
D3 **Extreme Drought** **Drought Emergency** **Sever 25% to 35% reduction in total water production.**	1. Continue measures listed in D2, and include the following: a. Possibly hire a water conservation officer. b. Possibly enact mandatory retrofit of showerheads to low flow; and toilets to ultra-low flow when building, remodeling occurs. c. Require pool covers for all new pool permits. d. Prohibit the filling and running of water fountains. e. Reduce pressures in the systems where possible.	1. Manage water consumption to stay within water reduction goals. Suggest weekly water meter reading for metered customers.	1. Penalties listed in D2 for unauthorized use of water.
D4 **Exceptional Drought** **Drought Critical** **Critical 35% to 50% reduction in total water production.**	1. Adhere to measures in D3. Reduce irrigation as listed in the Section listed under Public Agency Actions. Wash vehicles, boats, etc. at car washes utilizing recycled water. Delay new construction.		

The U.S. Drought Monitor provides a consistent big-picture look at drought conditions in the United States. Although it is based on many types of data, including observations from local experts across the country, it's not recommended to use to infer specifics about local conditions. It can certainly be used to identify likely areas of drought impacts, including water shortage, but decision-makers in many circumstances have successfully taken measures to reduce vulnerability to drought. Large urban water systems generally

have diverse water supplies and can keep the water flowing in both dry and wet years. The U.S. Drought Monitor is in no way intended to replace assessments or guidance from local water systems as to whether residents should conserve water.

Drought mitigation measures can be enacted when the State's Drought Review and Reporting Committee declares a drought condition. GBWC would rely on the State's guidance in defining the severity of the drought and when the drought declaration ends. Ultimately, GBWC will be responsible for determining the level of reduced production required to address local drought conditions.

Drought rates could include more than one of the options above depending on the severity of the drought and would not be permanent. The rates would be increased in increments as the drought becomes more severe and, decreased in increments as the drought situation improves. When the drought ends, the pre-drought rates would be reinstated.

9.10 Analysis of the Effect of Water Shortages on Revenue & Expenditures

NAC 704.5671(1) requires that a water conservation plan set forth "[a]n outline of the specific water supply conditions that may apply at a 25 percent shortage in the water supply and a 50 percent shortage in the water supply, and a description of the actions that the utility proposes to take in response to a water shortage at each level."

9.10 A Cold Springs Division

- 25 Percent Shortage – If all the specific pressure zones (1-4) experienced a 25% shortage in water capacity due to diminishing capacity or the loss of a well(s), the Pressure Zones can meet current (2022) production demands, but fall short in the projected (2044) maximum day demand (MDD). Pressure Zone 4 could not make projected (2044) MDD. This potential reduction in projected (2044) demand would be difficult to handle and would require a 10% reduction in water use for projected (2044) until a permanent resolution could be developed.[9]

- 50 Percent Shortage – The specific water supply condition that would apply to a 50 percent shortage are more than one water well out of service or well capacities significantly diminishing for any reason. Under a 50 percent shortage, there would not be enough capacity to meet current (2022) MDD as-well-as projected (2044) MDD for any of the pressure zones. Therefore, the utility would need to take action to implement a mandatory water reduction policy and depending on where the largest deficiency is located, conveyance of water to the specific pressure zone(s) maybe needed. A 30% reduction in water use would be require under current (2022) and 37% reduction under projected (2044) until a permanent resolution could be developed.[10]

9.10. B Pahrump Division

- Pahrump Division – Calvada Valley:
  - 25 Percent Shortage – The specific water supply conditions that would apply to a 25 percent shortage is the largest potable water supply well (Well 11) out of service or well capacities significantly diminished for any reason (aquifer depletion, well plugging, etc.). Even with Well 11

[9] GBWC 2024 Integrated Resource Plan, Vol. IV, Cold Springs Division Tables 4.01-4.03: Cold Springs Well Capacity Versus Demand.
[10] GBWC 2024 Integrated Resource Plan, Vol. IV, Cold Springs Division Tables 4.01-4.03: Cold Springs Well Capacity Versus Demand.

out of service there is enough capacity to ensure current (2022) and projected (2044) maximum day demand (MDD). Therefore, no additional actions would be proposed for the utility.[11]

- 50 Percent Shortage – The specific water supply condition that would apply to a 50 percent shortage are more than one potable water well out of service or well capacities significantly diminishing for any reason (aquifer depletion, well plugging, etc.). Under a 50 percent shortage, there would not be enough capacity to meet current (2022) maximum day demand (MDD) and projected (2044) maximum day demand. Therefore, a mandatory 5% reduction in outdoor use would be required to meet current (2022) MMD and 26% reduction in outdoor use would be required to handle projected (2044) maximum day demand until a permanent resolution was developed.[12]

- Pahrump Division – Country View Estates/Calvada North:
  - 25 Percent Shortage – The specific water supply conditions that would apply to a 25 percent shortage is the smallest potable water supply well (Well CVE 48-1) out of service or well capacities significantly diminished for any reason (aquifer depletion, well plugging, etc.). Even with Well CVE 48-1 out of service there is enough capacity to ensure current (2022) and projected (2044) maximum day demand (MDD). Therefore, no additional actions would be proposed for the utility.[13]

  - 50 Percent Shortage – The specific water supply condition that would apply to a 50 percent shortage are more than one potable water well out of service or well capacities significantly diminishing for any reason (aquifer depletion, well plugging, etc.). Under a 50 percent shortage, there would be enough capacity to meet current (2022) maximum day demand (MDD) and available for projected (2044) maximum day demand. Therefore, no additional actions would be proposed for the utility [14]

- Pahrump Division – Calvada Meadows:
  - 25 Percent and 50 Percent Shortage – There is only one well in the system, though there is plenty of additional capacity in this well with current (2022) demand. If the Calvada Meadows well pumping capacity diminished by 25 percent for any reason (aquifer depletion, well plugging, etc.), the well would still have adequate capacity to meet current (2022) and projected (2044) maximum day demand. If the Calvada Meadows well pumping capacity diminished by 50 percent, the well would still have adequate capacity to meet current (2022) and projected (2044) maximum day demand. Therefore, no additional actions would be proposed for the utility under 25 percent and 50 percent water shortage conditions.[15]

- Pahrump Division – Mountain Falls:
  - 25 Percent Shortage – The specific water supply conditions that would apply to a 25 percent shortage is less than one of the Mtn Falls wells being out of service or well capacities significantly diminished for any reason (aquifer depletion, well plugging, etc.). Even with a decline of 25 percent

[11] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.01: Calvada Valley Well Capacity.
[12] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.01: Calvada Valley Well Capacity.
[13] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.02: Country View Estates/Calvada North Well Capacity.
[14] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.02: Country View Estates/Calvada North Well Capacity.
[15] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.03: Calvada Meadows Water Supply.

in well capacity there is enough capacity to ensure current (2022) and projected (2044) maximum day demand (MDD). Therefore, no additional actions would be proposed for the utility.[16]

- 50 Percent Shortage – The specific water supply condition that would apply to a 50 percent shortage is approximately one potable water well out of service or well capacities significantly diminishing for any reason (aquifer depletion, well plugging, etc.). Under a 50 percent shortage, there would be enough capacity to meet current (2022) maximum day demand (MDD) and available for projected (2044) maximum day demand. Therefore, no additional actions would be proposed for the utility.[17]

9.10 C Spanish Springs Division

- 25 Percent Shortage - The specific water supply condition that would apply to a 25 percent shortage would involve the diminishing capacity of 25% in both wells for any reason. The water system would not have enough capacity to meet current (2022) and project (2044) MDD. Therefore, the utility would need to open the emergency interconnect with Truckee Meadows Water Authority (TMWA) to allow the 25% reduced capacity back into their system until a permanent resolution could be developed.[18]

- 50 Percent Shortage - Similar to the 25% percent Shortage, the utility would not be able to meet current (2022) and projected (2044) MDD. Therefore, the utility would need to open the emergency interconnect with TMWA to allow the 50% shortage of capacity into the utility's water system until a permanent resolution could be developed.[19]

9.10 D Spring Creek

- Spring Creek Division - Tract 200:
  - 25 Percent Shortage – The specific water supply conditions that would apply to a 25 percent shortage equates to approximately the smallest potable water supply well (Well 1) out of service or well capacity significantly diminished for any reason (aquifer depletion, well plugging, etc.). Even with Well 1 out of service there is enough capacity to ensure current (2022) and projected (2044) maximum day demand (MDD). Therefore, no additional action would be proposed for the utility.[20]

  - 50 Percent Shortage – The specific water supply condition that would apply to a 50 percent shortage includes the largest potable water supply well (Well 11) plus diminishing well capacity in the other two wells (Well 1 and Well 3) equaling to 850 gpm of loss capacity. Under a 50 percent shortage, there would not be enough capacity to meet current (2022) maximum day demand (MDD), which rolls into a similar issue for capacity available for projected (2044) maximum day demand. Therefore, the utility would need to take action to provide emergency conveyance from their other water system (Housing Section water system) at the closest possible tie-in. GBWC would also temporarily need a mandatory 10% reduction in outside water use until a permanent resolution was developed[21].

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[16] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.04: Mountain Falls Well Capacity.
[17] GBWC 2024 Integrated Resource Plan, Vol. II, Pahrump Division, Table 4.04: Mountain Falls Well Capacity.
[18] GBWC 2024 Integrated Resource Plan, Vol. V, Spanish Springs Division Table 4.01: Spanish Springs Well Capacity/Demand.
[19] GBWC 2024 Integrated Resource Plan, Vol. V, Spanish Springs Division Table 4.01: Spanish Springs Well Capacity/Demand.
[20] GBWC 2024 Integrated Resource Plan, Vol. III, Spring Creek Division, Table 4.01: 200 Tract Well Capacity/Demand.
[21] GBWC 2024 Integrated Resource Plan, Vol. III, Spring Creek Division, Table 4.01: 200 Tract Well Capacity/Demand.

- Spring Creek Division - Housing Sections (Tracts 100, 300, and 400):
    - 25 Percent Shortage – The specific water supply condition that would apply to a 25 percent shortage equates to approximate loss of Well 101 being out of service or well capacity significantly diminished for any reason. Even with Well 101, out of service there is enough capacity to ensure current (2022) but not the projected (2044) MDD. Therefore, the utility may need to take action to provide emergency conveyance from their other water system (200 Tract) at the closest possible tie-in sometime in the future. GBWC would also temporarily need a mandatory 15% reduction in outside water use until a permanent resolution was developed.[22]

    - 50 Percent Shortage – The specific water supply condition that would apply to a 50 percent shortage could include the loss of two of the largest production wells (Well 101 and Well 5) in addition to diminishing capacity of several of the other wells. Under a 50 percent shortage, there would not be enough available capacity to meet current (2022) and projected (2044) MDD. Therefore, a mandatory 30% reduction in outdoor use would be required to handle current (2022) and 45% reduction in outdoor use would be require to handle projected (2044) until a permanent resolution was developed. [23]

9.11 Analysis of the Effect of Water Shortages on Revenue & Expenditures

During drought conditions, utilities focus on reducing the volume of water used by its customers while maintaining adequate revenues to meet system revenue requirements. The concept of "decoupling" rates from sales volumes can help address the need to use water efficiently while keeping the utility financially sound. The Pahrump Division of GBWC has decoupling approved by the PUCN, and GWBC has asked to have it approved for the Spring Creek Division as well. Utilities also could consider obtaining approval of surcharge funded rate stabilization funds established to provide revenue during years of low water supply availability, or implementation of a form of drought pricing aimed at recovering revenue shortfalls, or a combination of both.

Nevada has a State Drought Response Plan which establishes an administrative coordinating and reporting system between agencies that should be involved in providing assistance to help mitigate drought impacts. The State Plan does not establish specific conservation measures for local entities, nor does it affect existing water rights. Drought mitigation measures can be enacted when the State's Drought Response Committee declares a drought condition. GBWC would rely on the State's guidance in defining the severity of the drought and when the drought declaration ends. Ultimately, GBWC will be responsible for determining the level of reduced production required to address local drought conditions.

[22] GBWC 2024 Integrated Resource Plan, Vol. III, Spring Creek Division Table 4.02: Housing Section Well Capacity/Demand.
[23] GBWC 2024 Integrated Resource Plan, Vol. III, Spring Creek Division Table 4.02: Housing Section Well Capacity/Demand.

To circumvent the effects which a reduction in water supply and thus a reduction in delivered water would cause, drought rates could be implemented subject to the approval by the PUCN to achieve a targeted reduction in water use proportionate to the severity of a drought. Obviously, some costs would also decrease, the majority of which would be power and chemical costs associated with pumping and treating less water. However, the fixed operating costs would continue and need to be recovered thereby making it imperative that the utility be allowed the opportunity to implement some form of drought rate stabilization. If decoupling is not an option, such rates could take the form of a surcharge added to the utility's existing rate structure, or a separate rate structure implemented during the water shortage. Some examples of drought pricing options include:

- General rate surcharges
- Individualized rate surcharges
- Class-based rate surcharges
- Targeted rate increases
- Marginal cost rates

Drought rates could include more than one of the options above depending on the severity of the drought and would not be permanent. The rates would be increased in increments as the drought becomes more severe and, decreased in increments as the drought situation improves. When the drought ends, the pre-drought rates would be reinstated.

The Deferred Water Service Adjustment as an alternative rate design is afforded to the utility through NAC 704.63385. Fortunately, GBWC customers are backed by financial stakeholders who can support temporary loss of revenue as a result of curtailment efforts in a period of drought. Therefore, no long-term revenue impact and corresponding expenditures should occur from the potential impacts described in NAC 704.5671 (1)-(2):

1. An outline of the specific water supply conditions that may apply at a 25 percent shortage in the water supply and a 50 percent shortage in the water supply, and a description of the actions that the utility proposes to take in response to a water shortage at each level.
2. An estimate of the minimum water supply that will be available to the utility during each of the 3 water years immediately following the year in which the resource plan is submitted. The estimate must be based on the driest 3 consecutive water years that have been recorded for the utility's water supply.

It should be noted that GBWC Divisions' water supplies for the service areas are solely based on groundwater withdrawals. Unlike surface water, the groundwater supply is much more drought resistant. The three years of water supply production (2020 – 2022) occurred during the last three (3) years during a five (5) year drought. GBWC has no recorded reduction in the availability of groundwater in any of the GBWC Divisions' wells during the three years period of drought (as it relates to the GBWC-PD, GBWC-SCD, GBWC-CSD, and GBWC-SSD) and did not have to issue any curtailment orders from the 3-year drought. As such, no additional modeling or analyses were performed to specifically evaluate this condition outside of the restrictions described in the Water Conservation Plan.

GBWC has developed a Drought Plan intended to align and support the State Drought Response Plan and U.S. Drought Monitor. The plan addresses events that would trigger drought pricing as well as established conservation measures aimed to enhance the efficient use of water by its customers. GBWC understands the importance of having a drought pricing plan adopted in advance of a drought situation, including addressing ease of implementation and customer acceptance. GBWC is willing to work with the PUCN in determining feasibility and trigger events, as well as, designing drought pricing options which would be

revenue neutral and not penalize customers for essential water usage, but at the same time, promoting conservation during a drought.

10. CONCLUSION

The Utility has designed this Water Conservation Plan to be a balanced plan incorporating Public Education, Systems Management, Drought Plan and Other Specific Conservation Measures to maximize water conservation. The overall success of a water conservation plan is dependent upon the Utility and consumers alike participating.

APPENDIX A — LIST OF ABBREVIATIONS

AWWA	American Water Works Association
AMR	Automatic Meter Reading
bgl	below ground level
BOCC	Board of County Commissioners
BSDW	Bureau of Safe Drinking Water
CC&B	Customer Care & Billing System
CURTA	Community Use Recreational Turf
DWR	Division of Water Resources
EPA	Environmental Protection Agency
ERP	Emergency Response Plan
FA	Field Activity
FAQ	Frequently Asked Questions
GPCD	Gallons Per Capita Per Day
gpf	gallons per flush
gpm	gallons per minute
GRC	General Rate Case
GWMP	Ground Water Management Plan
HET	High Efficiency Toilet
HEWM	High Efficiency Washing Machine
IRP	Integrated Resource Plan
MG	Million Gallons
MGD	Millions Gallons Per Day
NDEP	Nevada Department of Environmental Protection
NvRWA	Nevada Rural Water Association
NRS	Nevada Revised Statute
O&M	Operation & Maintenance
psi	pounds per square inch
PUCN	Public Utilities Commission of Nevada
SBR	Sequence Batch Reactor
SIO	Service Investigation Order
SCADA	Supervisory Control and Data Acquisition
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UI	Utilities, Inc.
UIN	Utilities, Inc. of Nevada
UICN	Utilities, Inc. of Central Nevada
USDM	U.S. Drought Monitor
WS	WaterSense
WWTP	Waste Water Treatment Plant

Appendix B

Great Basin Water Co.

Drought Plan

March 2024

Contents

1-01. **Purpose**

Groundwater is one physical resource used to meet water demands in Nevada, but there is a second, tangible resource that is critical to managing and extending those physical resources over time - conservation. Conservation involves no real infrastructure challenges or significant capital costs, yet it effectively provides an additional resource by freeing up water that was previously consumed inefficiently or wasted. In this sense, it is the cheapest source of water available to the community. It is also a resource over which we have complete control because future availability depends more on our own efforts and less on influences outside the community.

This Plan is intended to establish water conservation measures and enhance efficient utilization of water resources. Water purveyors normally rely on conservation as an essential resource to help meet water needs; however, the existence of drought conditions affecting the GBWC Cold Springs, Pahrump, Spanish Springs, and Spring Creek mandates additional conservation measures. The GBWC Drought Plan is intended to align and support the State of Nevada Drought Response Plan. (**Appendix B**).

1-02. **Definitions**

(a) Community Use Recreational Turf (CURTA)

Any private or public park facility consisting of a turf-dominated, multi-purpose recreational area that:

(1) Has at least two acres and no dimension less than one hundred feet;

(2) Is a field that is programmable for athletic or other recreational events.

(b) Great Basin Water Co. (GBWC)

Great Basin Water Co.

(c) U.S. Drought Monitor (USDM)

The U.S. Drought Monitor (USDM) is a map that is updated each Thursday to show the location and intensity of drought across the country. The USDM uses a five-category system, labeled Abnormally Dry or D0, (a precursor to drought, not actually drought), and Moderate (D1), Severe (D2), Extreme (D3) and Exceptional (D4) Drought. Drought categories show experts' assessments of conditions related to dryness and drought including observations of how much water is available in streams, lakes, and soils compared to usual for the same time of year. U.S. Drought Monitor data go back to 2000. https://www.drought.gov/drought/data-gallery/us-drought-monitor

(d) DO- Abnormally Dry

Short-term dryness slowing planting, growth of crops. Some lingering water deficits. Pastures or crops not fully recovered.

(e) D1- Moderate Drought

Some damage to crops, and pastures. Some water shortages developing. Voluntary water-use restrictions.

(f) D2- Severe Drought

Crop or pasture loss likely. Water shortages common. Water restrictions imposed.

(g) D3- Extreme Drought

Major crop and pasture losses. Widespread water shortages or restrictions.

(h) D-4- Exceptional Drought

Exceptional and widespread crop and pasture losses. Shortages of water creating water emergencies.

(i) No Drought

A condition in which no drought declaration of GBWC is in effect.

(j) Non-potable Water

Water not suitable for drinking.

(k) Potable Water

Water suitable for drinking.

(l) Raw Water

Non-potable water diverted from a natural source, subjected to minimal or no treatment, and delivered to a user for subsequent treatment or use.

(m) Reclaimed Water

Municipal wastewater that has been treated to meet all applicable federal, state, and local standards for use in approved applications, including

without limitation landscape irrigation, construction, and industrial cooling. For purposes of this Plan, "reclaimed water" and "recycled water" are equivalent terms.

(n) Resort Hotel

Any building or group of buildings that is maintained as and held out to the public to be a hotel where sleeping accommodations are furnished to the transient public and that has:

(1) At least one bar with permanent seating capacity for more than thirty patrons that serves alcoholic beverages sold by the drink for consumption on the premises;

(2) At least one restaurant with permanent seating capacity for more than sixty patrons that is open to the public twenty-four hours each day and seven days each week; and

(3) A gaming area within the building or group of buildings.

(o) Spray Irrigation

The application of water by means of sprinklers or other devices that disperse droplets of water through the air.

(p) GBWC Tariff or Tariff

The Water and Sewer Tariff that has been adopted by GBWC and approved by the Public Utilities Commission of Nevada.

(q) Water Use Reduction Plan

A document or documents to be submitted by or on behalf of an applicant in connection with a request to exempt fountains or water features from the prohibitions contained in this Plan. The term includes a plan that is modeled after the Water Efficiency and Drought Response Plan outline or similar document that may have been approved for use by GBWC.

(r) Xeriscape

A type of landscaping that incorporates drought-tolerant and low water-use plants with an organic or inorganic surface mulch layer as a water-efficient alternative to traditional turf-grass landscaping.

1-03. **Drought plan—Adopted by Reference.**

The Drought plan effective January 1st, 2008, and any amendments by GBWC, shall serve as the basis for adopting this Plan, and as a guideline in its interpretation. The drought plan was adopted to preserve, protect, and encourage the conservation of water resources. The U.S. Drought Monitor started in 2000. Since 2000, the longest duration of drought (D1-D4) in Nevada lasted 269 weeks beginning on December 27, 2011, and ending on February 14, 2017. The most intense period of drought occurred the week of February 17, 2015, where D4 affected 18.38% of Nevada land. The plan describes different stages of water supply conditions as follows:

(a) D0- Abnormally Dry;

(b) D1-Moderate Drought;

(c) D2-Severe Drought;

(d) D3-Extreme Drought;

(e) D4-Exceptional Drought;

The provisions of this Plan shall apply whenever a D1- Moderate Drought, D2-Severe Drought, D3-Extreme Drought, or D4-Exceptional Drought has been declared by GBWC and remains in effect. Unless the context otherwise requires, whenever a provision of this Plan does not specify whether it applies to D1-Moderate Drought, D2-Severe Drought, D3-Extreme Drought, or D4-Exceptional Drought condition, the provision shall apply when any of those conditions are in effect. In the event of conflict between the provisions of this Plan and other applicable ordinances, regulations or the GBWC tariff, the most stringent provisions will prevail. However, with respect to any provision of the GBWC tariff that is less stringent than the provisions of this Plan, GBWC may enforce that provision instead.

In the case of a critical condition, the provisions of this Plan pertaining to a drought shall continue to apply. However, GBWC shall have the authority to adopt additional restrictions which are deemed necessary to protect the public health, safety, and welfare. Upon the adoption and publication of those additional restrictions, they shall become binding on water users within the GBWC service area.

1-04. **Applicability**

Except as otherwise provided, the provisions of this Plan shall apply to the use of water supplied by the GBWC division systems, including recycled, reclaimed, raw, non-potable and potable water.

1-05. **GBWC-- Responsibilities.**

Except as otherwise provided in this Plan; GBWC shall be responsible for the administration and implementation of the provisions of this Plan. GBWC shall be responsible for enforcing its tariff.

1-06. **Standards and Requirements--Waiver Prohibited.**

The standards and requirements set forth in this Plan may not be waived or varied. A request for waiver or variance shall be considered a request to amend the requirements of this Plan. However, GBWC may allow an exemption from the requirements or provisions of this Plan when, in GBWC's opinion, the exemption will protect the public health, safety and welfare, and will be beneficial to the GBWC water systems. Examples of activities which may be exempted include hydrant flushing, valve testing, and system maintenance.

1-07. **Wasting Water after Notice Given.**

It is unlawful for any owner, occupant, or manager of real property served by a water provider to waste water after a notice of water waste has been issued. The waste of water includes without limitation the following:

(a) Allowing water to flow or spray into a public street, alley, right-of-way, gutter or drain; and

(b) Failure to repair a water leak.

It is unlawful for anyone to permit the excess use, loss or escape of water through a break, leak or malfunction in the water user's plumbing or distribution facilities for any period of time after the excess use, loss or escape should have been reasonably discovered and corrected.

Where public sewer is available, swimming pool water, when drained, must be discharged into an approved-type receptor and subsequently into a public sewer in accordance with applicable laws and regulations.

1-08. **Violation—Prima Facie Evidence**

Any waste of water or other violation of this Plan, together with proof that the waste or violation originated or took place at any particular residence or place of business, shall constitute, in evidence, a prima facie presumption that the owner, current occupant, or manager of real property of such residence or place of business was responsible for the waste or other violation.

1-09. **Water Curtailment—GBWC Tariff 1A (Water)**

In accordance with tariff Rule 8, Section C – During time of threatened or actual water shortage, the Utility will apportion its available water supply among its Customers in a manner that appears most equitable under the circumstances then prevailing, and with due regard to public health and safety.

1-10. **Spray Irrigation—Frequency Allowed Violation**

It is unlawful to use water for the spray irrigation of turf, gardens, trees, grass, shrubbery, or other vegetation in residential areas, or for the spray irrigation of

turf other than community use recreational turf on a day other than one designated by GBWC. Enforce existing conservation tariff, which allows watering on days depending on street address, and prohibits outside watering during the hours of 10:00 a.m. to 7:00 p.m.

1-11. **Water Restrictions—Exemptions**

The following are exempt from the watering restrictions described in Section 1-10 above:

(a) Hand watering for the purpose of preserving lawn or shrubbery so that vegetation does not die;

(b) Irrigation of new lawns or re-seeding of an existing lawn, for a period of thirty days from the date of planting or installation;

(c) Drip and/or bubbler irrigation systems, provided that they are not run more frequently than would be permitted for spray irrigation;

(d) Irrigation of commercial stock by commercial gardens or plant nurseries that are licensed, provided that the licensee or a representative is personally on the premises at the time the irrigation is taking place;

(e) Testing of landscape irrigation systems, provided that the person performing the test is present to observe system performance;

(f) Municipal operations or procedures that are necessary to protect the health, safety, and well-being of the public; and

(g) Such other activities as may be exempted under the GBWC tariff.

1-12. **Watering of Community Use Recreational Turf**

The watering of community use recreational turf and turf at other government facilities shall be in accordance with the GBWC tariff and any watering schedules adopted or approved there under.

1-13. **Landscape Materials—Generally**

Landscape materials shall be limited to the use of drought tolerant plant and low water use landscaping plant material.

1-14. **Drought Provisions**

During drought conditions:

(a) D1-Moderate Drought- Notify all customers of the water reduction. Publicize information via My Utility Connect (MUC) and on the GBWC website. Implement voluntary water use reduction by 15%. Adhere to Water Conservation Program for all Residential, Commercial, Industrial, and Governmental Customers.

(b) D2-Severe Drought- Notify all customers of the voluntary 15-25% water reduction. Publicize information via My Utility Connect (MUC) and on the GBWC website. Adhere to measures listed in D1. Comply with any landscaping ordinance for new landscaping for all Residential, Commercial, Industrial, and Governmental Customers.

(c) D3-Extreme Drought- Notify all customers of the 25-35% water reduction. Publicize information via My Utility Connect (MUC) and on the GBWC website. Adhere to measures listed in D2, manage water consumption to stay within water reduction goals. Suggest weekly water meter reading for metered customers for all Residential, Commercial, Industrial, and Governmental Customers.

(d) D4-Exceptional Drought- Notify all customers of the 35-50% water reduction. Publicize information via My Utility Connect (MUC) and on the GBWC website. Wash vehicles, boats, etc. at car washes utilizing recycled water. Adhere to measures in D3 for all Residential, Commercial, Industrial, and Governmental Customers.

1-15. Cooling System Provisions

Outdoor mist cooling systems are not restricted within residential development. In commercial operations, outdoor mist cooling systems relating to animal safety are permitted, but those relating to human comfort are permitted only during the months of June, July, and August.

1-16. Washing Paved Surfaces, Buildings and/or Equipment

The washing of paved surfaces, buildings, and/or equipment (other than vehicles) is prohibited unless the water is discharged to a sanitary sewer in accordance with applicable laws and regulations or is contained on site.

1-17. Washing Personal and Commercial Vehicles

Washing of personal vehicles upon residential properties is limited to once per week per vehicle and requires a positive shut-off nozzle. Commercial vehicles may be washed without limitation as to frequency, but only:

(a) At a commercial facility in accordance with applicable laws and regulations, or;

(b) By means of a high-pressure, low volume sprayer using less than ten gallons per vehicle.

1-18. **Potable or Non-potable Water Utilization—Prohibitions and Exceptions**

(a) Fountains and water features are prohibited upon property that is serviced by GBWC. The following features, however, are exempt from this prohibition:

(1) Swimming pools;

(2) Fountains and water features that are supplied by privately-owned water rights, by water rights obtained by means of a State-issued permit, or by nuisance water discharged during normal facility dewatering;

(3) Not more than one fountain or other water feature at any single-family residence, provided that the surface area of the fountain or other water feature does not exceed two hundred square feet, or what town, city, or county ordinance allows;

(4) Not more than one fountain or other water feature within the common areas of a single-family or multi-family development, provided that the fountain or other water feature is not an entryway or streetscape feature, and its surface area does not exceed two hundred square feet, or what town, city, or county ordinance allows;

(5) Fountains or water features that are necessary and functional components serving other allowable uses, such as storage ponds on a golf course or aeration devices;

(6) Fountains or water features within public parks and public or private recreational water parks, provided that the fountains or water features have a recreational function and are not merely decorative;

(7) Indoor water features or features with the majority of the total water volume contained indoors or underground. If practical alternatives exist for separating indoor and outdoor components, they shall be separated and managed accordingly. (Example: timers on shut-off valves);

(8) Fountains or water features necessary to sustain aquatic animals, provided that the animals have been actively managed within the water feature prior to the declaration of drought.

(b) The following fountains or water features may be exempted from the prohibition contained in Subsection (A) in accordance with the remaining provisions of this Section:

(1) Fountains or water features that are integral to the operation of a resort hotel or a coalition of resort hotels; or

(2) Other fountains or water features that are proposed to be allowed in exchange for water use reduction activities in accordance with Subsection (D) of this Section.

(c) In order to be eligible for an exemption pursuant to Subsection (B), an applicant must submit a request for exemption and a water use reduction plan. The request for exemption must be submitted in writing to GBWC for consideration. The water use reduction plan must be submitted to GBWC, and must contain such information, and be in a format, that is satisfactory to GBWC. Any exemption shall be conditioned upon the posting of one or more signs in proximity to the exempted fountain or water feature stating that the fountain or water feature is operating in compliance with this Plan and that a water use reduction plan is on file with GBWC.

(d) The granting of any exemption pursuant to Subsection (B)(2) of this Section shall be subject to the following conditions:

(1) The fountains or water features for which an exemption is sought must not be operational at the time the exemption is applied for, except as permitted in Subsection (F) of this Section;

(2) The submitted water use reduction plan must provide for a minimum total water savings of greater than fifty times the consumptive use of the operation of the fountain or water feature;

(3) The water use reduction plan must have been submitted to GBWC and implemented by the applicant;

(e) In order to continue to operate any fountain or water feature that is integral to the operation of a resort hotel or a coalition of resort hotels, that is prohibited by Subsection (A) of this Section, and that is in operation on the effective date of the this Drought Plan, a request for exemption and water use reduction plan must be submitted within ninety days after the effective date of this Drought Plan. If the exemption is not approved, the fountain or water feature may not be operated except as permitted in Subsection (F) of this Section.

(f) Nothing in this Section that prohibits or limits the operation of fountains or water features shall be deemed to:

(1) Prohibit the construction of fountains or water features; or

(2) Require a fountain or water feature to be drained if maintaining a re-circulating water pool is necessary in order to maintain pumps, pond liners, and ancillary equipment, but in such a case the re-circulating water pool may only be operated between the hours of one a.m. and four a.m.

1-19. **Private Covenant, Condition, Restriction, Deed Clause—Enforcement**

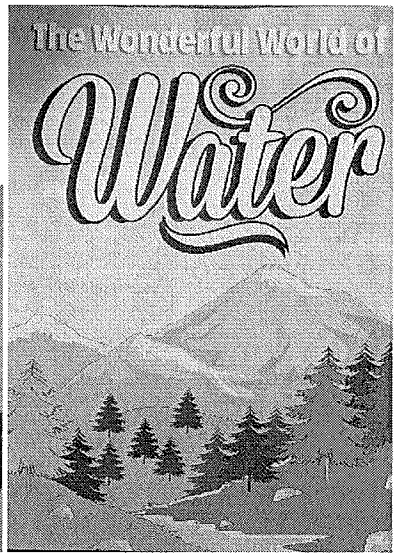
No person or association may impose or enforce any private covenant, condition, restriction, deed clause or other agreement to prevent a person from utilizing water efficient landscaping, including without limitation Xeriscape, provided such landscaping receives appropriate architectural review approval. In any event,

landscaping materials and designs may not be prohibited solely on the basis that they make use of water-efficient landscaping.

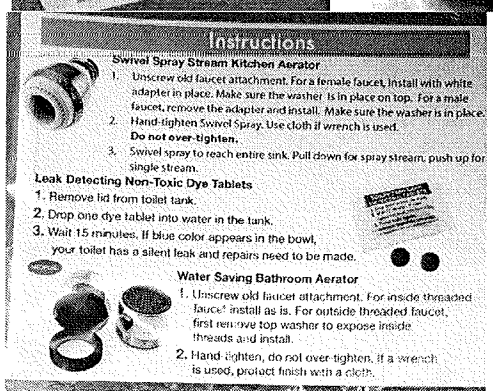
GBWC strives to help customers of all ages learn about water, including where it comes from, how we use it, and how to conserve it. Outreach opportunities provides for hands-on communication to encourage water education in and out of the classroom. Below are some of the many educational booklets, rulers, fact sheets used at all outreach events.

Toilet Tank Leak Detection Blue Dye Tablets.

Two Hour Outdoor Hose Timer.

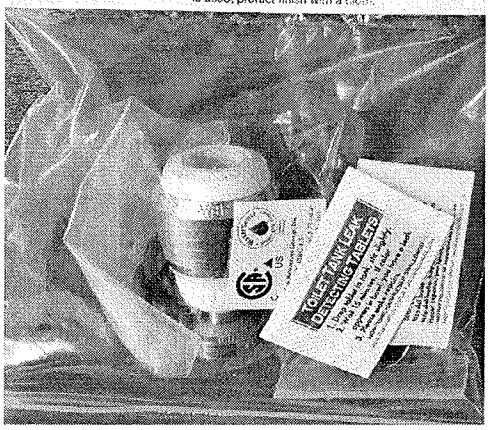


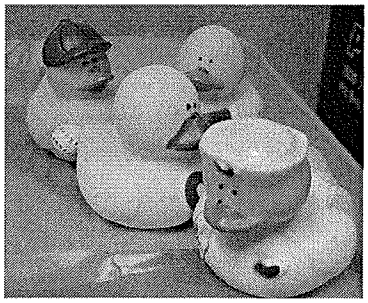
Coloring, puzzle, crossword activity water conservation book.



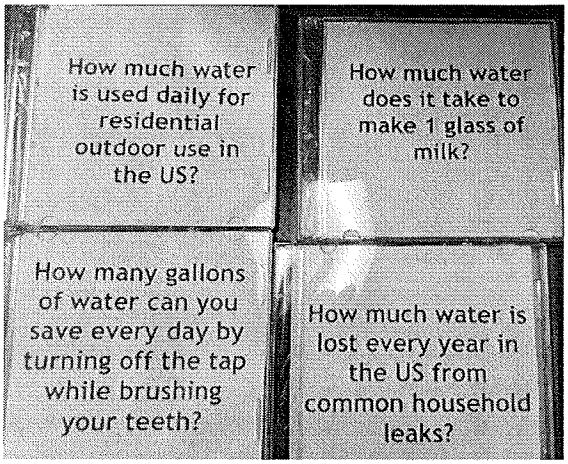
Water Conservation Kit.

For more information email BeWaterSmart@greatbasinwaterco.com

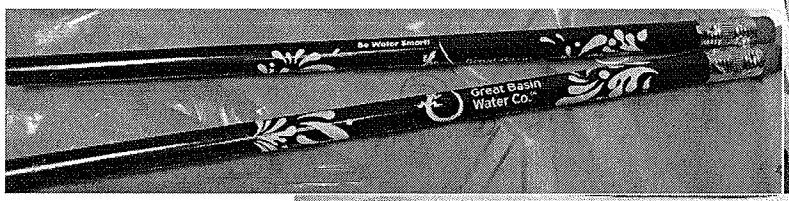


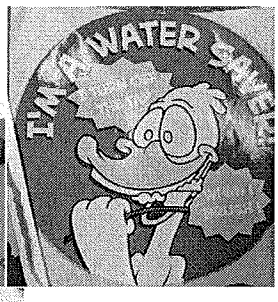


Fun Duckies.

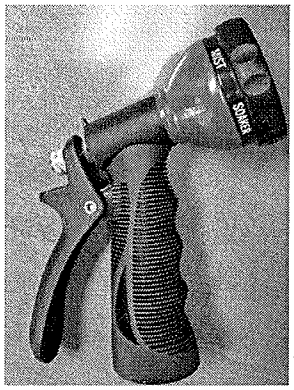


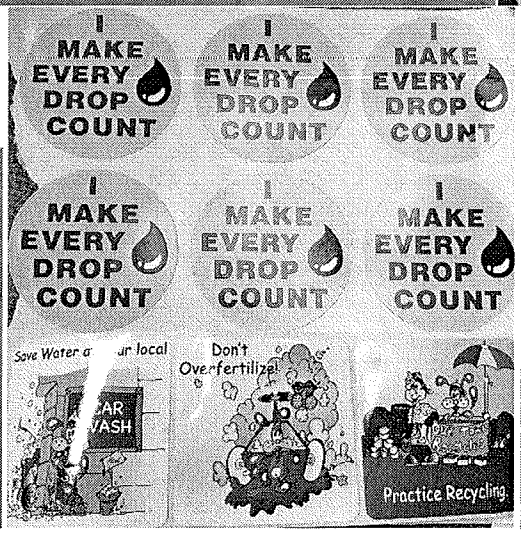
Question and Answer WaterSense game played at events for youth and adults.



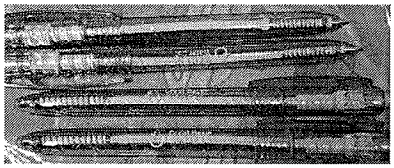


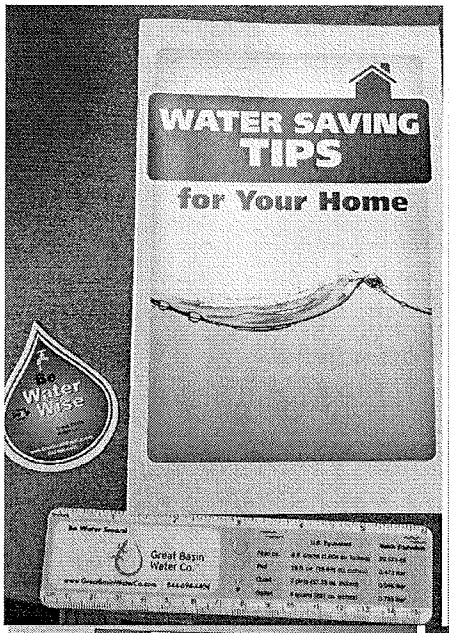
Outdoor Pressure sprayer.





Pencils, Stickers, and recycled pens made of recycled plastic bottles.



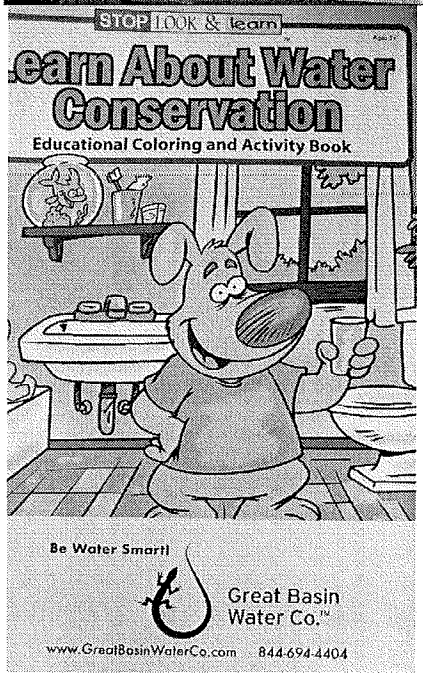


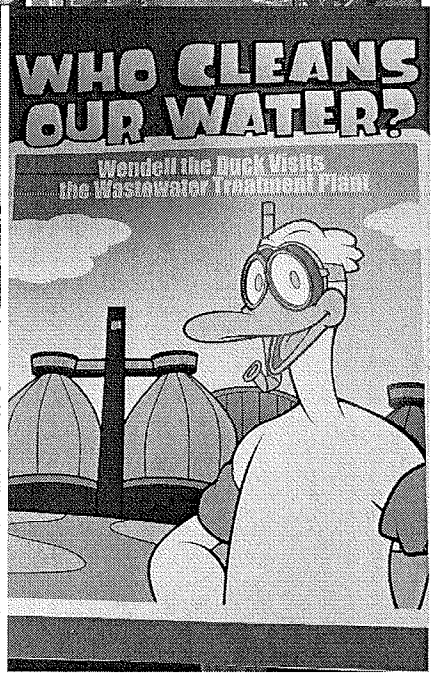
Water Savings Tips booklet.

Be Water Wise magnet with GBWC customer service contact information.

Educational Ruler with water leak loss.

- ¼"drip loss
- 3/16" drip loss
- 1/8" trickle loss
- 1/16" drip loss

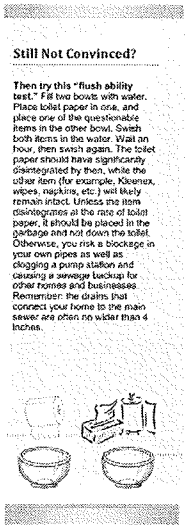




Learn about Water Conservation coloring and activity book.

Wastewater Treatment Plant coloring and activity book.

Available GBWC Fact Sheets



Still Not Convinced?

Then try this "flush ability test." Fill two bowls with water. Place toilet paper in one, and place one of the questionable items in the other bowl. Swish both items in the water. Wait an hour, then swish again. The toilet paper should have significantly disintegrated by then, while the other item (for example, Kleenex, wipes, napkins, etc.) will likely remain intact. Unless the item disintegrates at the rate of toilet paper, it should be placed in the garbage and not down the toilet. Otherwise, you risk a blockage in your own pipes as well as clogging a pump station and causing a sewage backup for other homes and businesses. Remember: the drains that connect your home to the main sewer are often no wider than 4 inches.

Great Basin Water Co.℠

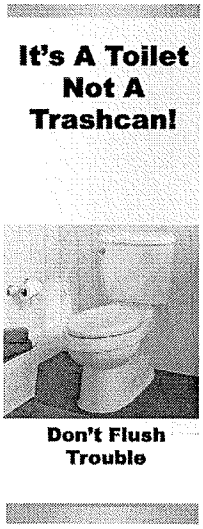
Cold Springs
Pahrump
Spanish Springs
Spring Creek

Great Basin Water Co.
1240 E. State St., Suite 115
Pahrump, NV 89048

Phone: 844-694-4404

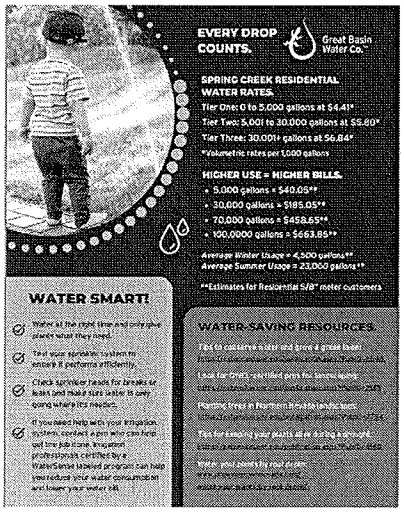
Email:
BeWaterSmart@greatbasinwaterco.com

Website:
www.GreatBasinWaterCo.com



It's A Toilet Not A Trashcan!

Don't Flush Trouble



EVERY DROP COUNTS. Great Basin Water Co.℠

SPRING CREEK RESIDENTIAL WATER RATES

Tier One: 0 to 5,000 gallons at $4.41*
Tier Two: 5,001 to 30,000 gallons at $5.80*
Tier Three: 30,001+ gallons at $6.84*
*Volumetric rates per 1,000 gallons

HIGHER USE = HIGHER BILLS.

- 5,000 gallons = $40.05**
- 30,000 gallons = $185.05**
- 70,000 gallons = $458.65**
- 100,0000 gallons = $663.85**

Average Winter Usage = 4,500 gallons**
Average Summer Usage = 23,000 gallons**

**Estimates for Residential 5/8" meter customers

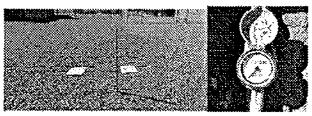
WATER SMART!

- Water at the right time and only the plants that need it.
- Test your sprinkler system to ensure it performs efficiently.
- Check sprinkler heads for breaks or leaks and make sure water is only going where it's needed.
- If you need help with your irrigation system, contact a pro who can help get the job done. Irrigation professionals certified by a WaterSense labeled program can help you reduce your water consumption and lower your water bill.

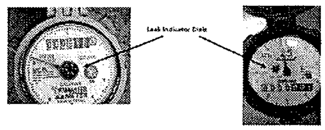
WATER-SAVING RESOURCES

Great Basin Water Co.

How to Read Your Meter



Detecting Water Leaks



One Of The Easiest Ways To Detect Leaks Is To Observe Your Water Meter.

Determine If Your Leak Is Inside Or Outside Your House

For More Information

Great Basin Water Co.
1240 E. State Street, Suite 115
Pahrump, NV 89048
844-694-4404
Email: BeWaterSmart@greatbasinwaterco.com
Website: www.GreatBasinWaterCo.com

Great Basin Water Co.

COLOR	CLASS	AVAILABLE FLOW @ 20 psi residual
BLUE	AA	1500 GPM or more
GREEN	A	1000-1499 GPM
[illegible]	[illegible]	[illegible]
RED	C	Below 500 GPM

Supply	Body Color
Municipal System	Chrome Yellow
Private System	Red
Non Potable System	Violet (Light Purple)

Great Basin Water Co.
1240 E. State St., #115
Pahrump, NV 89048
844-694-4404

Email us at: BeWaterSmart@uiwater.com
Website: www.GreatBasinWaterCo.com

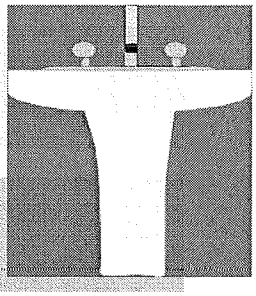
GREAT BASIN WATER CO. HOME WATER AUDIT

Indoor water use

1. Hand washing

Number of times			Minutes per time	Minutes per time	Gallons per minute		Gallons used
	(low flow)	X		X	15 (lowflow)	=	0
	(high flow)			X	2.5 (high flow)	=	0

Check for the flow number on the rim of the faucet aerator.



2. Teeth Brushing

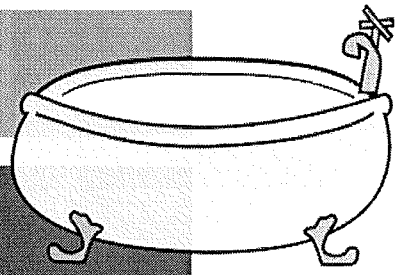
Number in family			Minutes water runs		Gallons per minute		Gallons used
	(low flow)	X		X	15 (lowflow)	=	0
	(high flow)			X	3.0 (high flow)	=	0

Average Brushing time is 2 minutes. To be more accurate check for the flow number on the rim of the faucet aerator.

3. Showers

Number of showers			Number of minutes		Gallons per minute		Gallons used
	(low flow)	X		X	2.5 (lowflow)	=	0
	(high flow)			X	8 (high flow)	=	0

List the number of showers taken each day by all people in your household and multiply by how many minutes each person showers. If your house was built since Jan 1, 1994, or is retrofitted, use the "low flow" number, otherwise use the "high flow" number.



4. Baths

Number in family			Number of baths		Gallons per bath		Gallons used
	(1/3 tub)	X		X	12 (1/3 tub)	=	0
	(full tub)			X	36 (full tub)	=	0
	(garden tub)			X	70 (garden tub)		0
					TOTAL	=	0

Determine which fixture you daily describes the type of bath used in your house. Fill in the information on the appropriate row(s). Add all rows together.

5. Toilet flushing

Number in family			Flushes per day		Gallons per flush		Gallons used
	(low flow)	X		X	16 (lowflow)	=	0
	(high flow)			X	4 (high flow)	=	0

If your house was built since Jan. 1, 1994, or is retrofitted, use the "low flow" number, otherwise use the "high flow" number. The average number of flushes per person per day is four.

6. Dish washing by hand

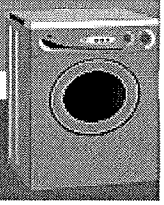
times washed		Minutes water runs		Gallons per minute		Gallons used
	(low flow) X		X	2.2 (lowflow)	=	0
	(high flow)		X	2.5 (high flow)	=	0

Enter the number of times each day you wash dishes by hand and multiply by the number of minutes the water runs. Check for the flow number on the rim of the faucet aerator.

7. Dish washer

Loads per week		Days per week		Gallons per load		Gallons used
	(low flow) ÷	7	X	6.5 (lowflow)	=	0
	(high flow)		X	11 (high flow)	=	0

Check the listing for "normal Load" in your owners manual to determine if your dish wash is a high flow or low flow model.



8. Clothes washer

Loads per week		Days per week		Gallons per load		Gallons used
	(low flow) ÷	7	=	18 (lowflow)	=	0
	(high flow)			40 (high flow)	=	0

Check your owners manual for the wash cycle you typically use to determine if your washer is rated low flow or high flow.

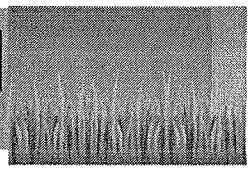
Total Indoor usage for Low flow	**0**
Total Indoor usage for High flow	**0**
Grand Total for daily indoor use	**0**

Outdoor water use

8. Lawn Watering

Lwns per week		Minutes water runs		Gallons per minute		Gallons used
	In-ground X		X	15	=	0
	Above ground			30	=	0

Average is based on assumptions of current average flow for inground to be 5 irrigation zones per typical quarter-acre, 30 minutes per zone, 15 gallons per minute and above ground average is based on assumptions of watering with a garden hose at a average flow of 30 gallons per minute.



Other Uses

Uses per week		Minutes water runs		Gallons per minute		Estimated Gallons used
	X		X		=	0
	X		X		=	0
	X		X		=	0
	X		X		=	0

Total Indoor daily usage	0
Total Outdoor daily usage	0
Grand Total for indoor and outdoor daily usage	0

Grand total gallons		# of family members		Daily use per person	**Water conservation usage goal**
0	÷		=	#DIV/0!	120

This audit will self-calculate. To get an electronic version, please visit www.uiwater.com.

Account Number: [redacted] Cold Springs

Name: [redacted]

Phone: [redacted]

Service Address: [redacted] RENO, NV, 89506

Bill Date: 11/08/2023
Due Date: 12/01/2023
Please Pay: $52.84

Great Basin Water Co.™
Customer Service: (844) 694-4404
Billing: (844) 694-4404
Collections: (844) 694-4404
www.greatbasinwaterco.com

Scan to visit us on the web

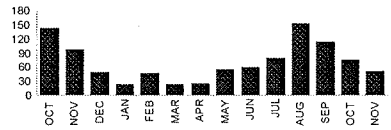
Meter Information

Badge Nbr	Service Type	Start Read Date	Start Read	End Read Date	End Read	Total Usage	Days In Cycle	Avg Daily Use	Constant
[redacted]	Water	10/02/2023	959400	11/01/2023	971320	11,920 GAL	30	397.33 GAL	1

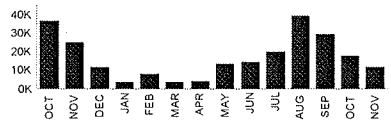
Bill Details

Activity Since Last Bill		
Previous Balance	$75.31	
Payments received as of 11/08/2023	-$75.31	
Balance as of 11/08/2023		$0.00
Residential Water Service		
Water Base Charge	$14.79	
First 5,000 gallons at $2.43 per 1,000 gallons	$12.15	
Next 6,920 gallons at $3.63 per 1,000 gallons	$25.12	
Washoe County Management Fee	$0.78	
Total Residential Water Service		$52.84
Current Charges		**$52.84**
Total Due Amount		**$52.84**

Billing History
in dollars



Consumption History for Water
in GAL



Message Center

Customers paying by check: processing changes from USPS are causing extended First Class mail delivery times and your bill payment may now take longer to post to your account. View your account and sign up for auto bill pay at https://www.myutility.us/

The payment for this bill is due upon receipt.Make check payable to: Great Basin Water Co..
Rate Schedules are available upon request. Visit www.greatbasinwaterco.com for important account offerings

Great Basin Water Co.™

PO BOX 160609
Altamonte Springs, FL 32716-0609

Account Number: [redacted]
Due Date: 12/01/2023
Please Pay: $52.84

Amount Paid

[redacted]
RENO, NV 89506

Great Basin Water Co.
PO BOX 70723
PHILADELPHIA PA 19176-0723

☐ Address correction requested on back

444

Account Number: [redacted] Pahrump

Name: [redacted]

Phone: [redacted]

Service Address: [redacted] Pahrump, NV, 89048

Bill Date: 11/01/2023
Due Date: 11/27/2023
Please Pay: $79.56

Great Basin Water Co.™
Customer Service: (844) 694-4404
Billing: (844) 694-4404
Collections: (844) 694-4404
www.greatbasinwaterco.com

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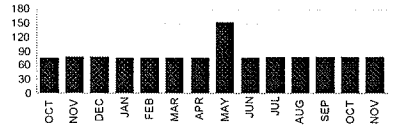
Meter Information

Badge Nbr	Service Type	Start Read Date	Start Read	End Read Date	End Read	Total Usage	Days In Cycle	Avg Daily Use	Constant
[redacted]	Water & Wastewater	09/25/2023	27010	10/25/2023	28430	1,420 GAL	30	47.33 GAL	1

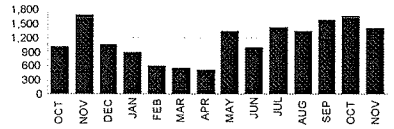
Bill Details

Activity Since Last Bill		
Previous Balance	$79.45	
Payments received as of 11/01/2023	-$78.45	
Balance as of 11/01/2023		$1.00
Residential Water Service		
Water Base Charge	$3.00	
First 237 gallons $3.20 per 1,000 gallons	$0.76	
DWSA Credit 237 gallons $-0.30 per 1,000 gallons	-$0.07	
Total Residential Water Service		$3.69
Residential Water Service		
Water Base Charge	$15.00	
First 1,183 gallons $3.20 per 1,000 gallons	$3.79	
DWSA Credit 1,183 gallons $-0.45 per 1,000 gallons	-$0.53	
Total Residential Water Service		$18.26
Residential Wastewater Service		
Residential Wastewater Service	$56.61	
Total Residential Wastewater Service		$56.61
Current Charges		**$78.56**
Total Due Amount		**$79.56**

Billing History
in dollars



Consumption History for Water
in GAL



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Our records indicate the previous balance remains unpaid. Please contact Customer Service if you require payment arrangements to extend the time allowed for payment of your bill.

The payment for this bill is due upon receipt.Make check payable to: Great Basin Water Co..
Rate Schedules are available upon request. Visit www.greatbasinwaterco.com for important account offerings

Great Basin Water Co.™

PO BOX 160609
Altamonte Springs, FL 32716-0609

Account Number: [redacted]
Due Date: 11/27/2023
Please Pay: **$79.56**

Amount Paid

[redacted]
PAHRUMP, NV 89048

Great Basin Water Co.
PO BOX 70723
PHILADELPHIA PA 19176-0723

☐ Address correction requested on back

443

Account Number: [redacted] Spanish Springs

Name: [redacted]

Phone: [redacted]

Service Address: [redacted] SPARKS, NV, 89441

Bill Date: 11/08/2023

Due Date: 12/01/2023

Please Pay: $79.98

Great Basin Water Co.™

Customer Service: (844) 694-4404
Billing: (844) 694-4404
Collections: (844) 694-4404
www.greatbasinwaterco.com

Scan to visit us on the web

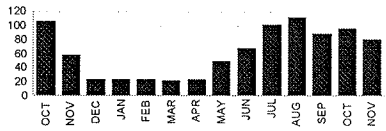
Meter Information

Badge Nbr	Service Type	Start Read Date	Start Read	End Read Date	End Read	Total Usage	Days In Cycle	Avg Daily Use	Constant
[redacted]	Water	09/29/2023	1618670	10/30/2023	1645990	27,320 GAL	31	881.29 GAL	1

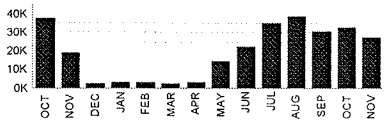
Bill Details

Activity Since Last Bill		
Previous Balance	$95.20	
Payments received as of 11/08/2023	-$95.20	
Balance as of 11/08/2023		$0.00
Residential Water Service		
Water Base Charge	$18.00	
Next 5,000 gallons at $1.59 per 1,000 gallons	$7.95	
Next 22,320 gallons at $2.38 per 1,000 gallons	$53.12	
DWSA 27,320 gallons at -$0.01 per 1,000 gallons	-$0.27	
Washoe County Management Fee of 1.5%	$1.18	
Total Residential Water Service		$79.98
Current Charges		**$79.98**
Total Due Amount		**$79.98**

Billing History
in dollars



Consumption History for Water
in GAL



Message Center

Customers paying by check: processing changes from USPS are causing extended First Class mail delivery times and your bill payment may now take longer to post to your account. View your account and sign up for auto bill pay at https://www.myutility.us/

The payment for this bill is due upon receipt.Make check payable to: Great Basin Water Co..
Rate Schedules are available upon request. Visit www.greatbasinwaterco.com for important account offerings

Great Basin Water Co.™

PO BOX 160609
Altamonte Springs, FL 32716-0609

Account Number: [redacted]
Due Date: 12/01/2023
Please Pay: $79.98

Amount Paid

[redacted]
SPARKS, NV 89441

Great Basin Water Co.
PO BOX 70723
PHILADELPHIA PA 19176-0723

☐ Address correction requested on back

Account Number: [redacted] Spring Creek
Name: [redacted]
Phone: [redacted]
Service Address: [redacted] SPRING CREEK, NV, 89815

Bill Date: 11/06/2023
Due Date: 11/29/2023
Please Pay: $59.81

Great Basin Water Co.™
Customer Service: (844) 694-4404
Billing: (844) 694-4404
Collections: (844) 694-4404
www.greatbasinwaterco.com

Scan to visit us on the web

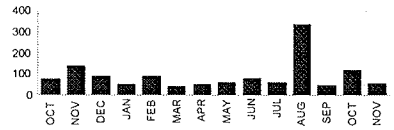
Meter Information

Badge Nbr	Service Type	Start Read Date	Start Read	End Read Date	End Read	Total Usage	Days In Cycle	Avg Daily Use	Constant
[redacted]	Water	10/02/2023	1100100	11/01/2023	1107730	7,630 GAL	30	254.33 GAL	1

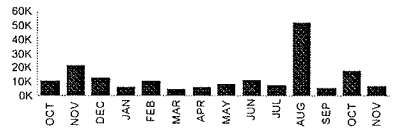
Bill Details

Activity Since Last Bill		
Previous Balance	$119.90	
Payments received as of 11/06/2023	-$119.90	
Balance as of 11/06/2023		$0.00
Residential Water Service		
Water Base Charge	$22.51	
5,000 gallons at $4.41 per 1,000 gallons up to 5,000 gallons	$22.05	
Next 2,630 gallons at $5.80 per 1,000 gallons up to 30,000 gallons	$15.25	
Total Residential Water Service		$59.81
Current Charges		**$59.81**
Total Due Amount		**$59.81**

Billing History
in dollars



Consumption History for Water
in GAL



Message Center

Customers paying by check: processing changes from USPS are causing extended First Class mail delivery times and your bill payment may now take longer to post to your account. View your account and sign up for auto bill pay at https://www.myutility.us/

The payment for this bill is due upon receipt.Your bill is now more closely aligned with the read date. Bills will now be sent monthly.Make check payable to: Great Basin Water Co.. Rate Schedules are available upon request. Visit www.greatbasinwaterco.com for important account offerings

Great Basin Water Co.™

PO BOX 160609
Altamonte Springs, FL 32716-0609

Account Number: [redacted]
Due Date: 11/29/2023
Please Pay: $59.81

Amount Paid

[redacted]
SPRING CREEK, NV 89815

Great Basin Water Co.
PO BOX 70723
PHILADELPHIA PA 19176-0723

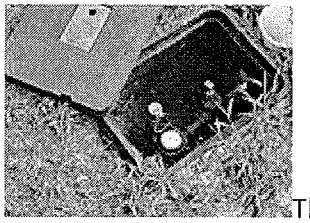
☐ Address correction requested on back

403

Water Meters & Leak Detection

Your water meter is a simple and reliable instrument that measure the volume of water (in gallons) that has passed from the public watermain to your home or business. It allows us to accurately charge individual users for their water use. Meters measure *all* water flow, so they can be used to detect even the smallest leaks in your plumbing – to help you conserve water and save money.

Locating and Reading Your Water Meter

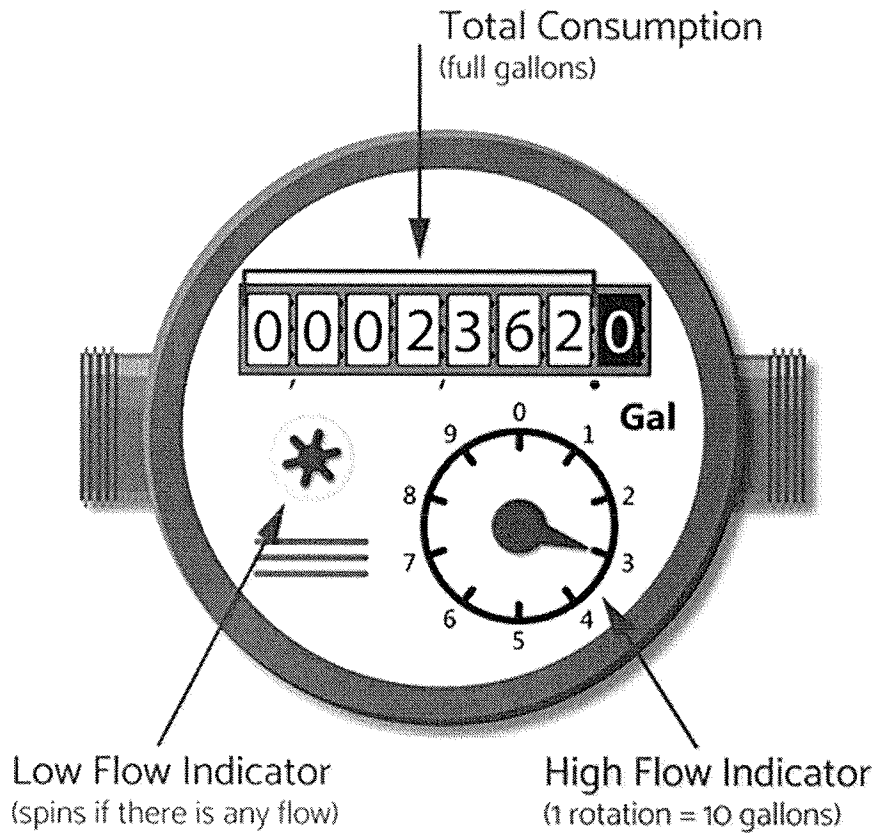


The location and appearance of residential water meters varies, but they're all similar in their function. Commercial installations may have more complex metering and are not covered here.

Water meters are usually housed in a concrete or plastic box marked "WATER", found near the street at the front of a property, and often in line with the main outside faucet. Once located, remove the lid with a large flat screwdriver or similar tool. Insects and small animals like water meter boxes, so use caution when opening. Lift the protective cap on the meter by hand to reveal its face.

Analog Meters

The meter's horizontal rotating numerals measure total volume – this is your meter reading in gallons. The large, red, clock-like dial measures 10 gallons with each rotation. The Low Flow Indicator will turn at even the slightest movement of water through the meter and can be used for leak detection.

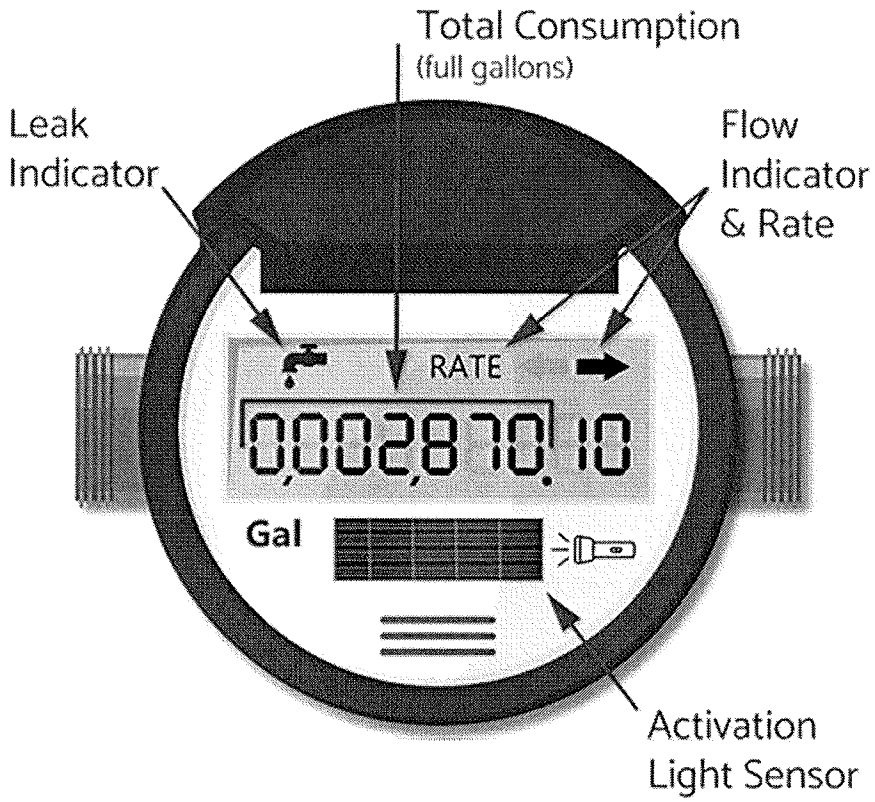


click to enlarge

Digital Smart Meters

The main difference and advantage of smart meters is that they can be "read" remotely, so meter reading personnel don't need to come onto your property. But even though their appearance is different, digital meters can be read in the same way as analog meters.

When you first open the meter's lid, the display will likely be *off*, but you can activate it by shining a bright flashlight or mobile phone light on its sensor.



click to enlarge

Comparing Meter Readings to Billing Amounts

When comparing readings you take from your meter, and amounts stated on your utility bill, keep in mind the dates of each reading may be different. Discrepancies will depend on the number of days in question and your consumption during this period.

If your reading is significantly **higher** than that of your bill, you should first think about what could have caused a recent increase in consumption. If there is nothing, consider doing a leak check.

If your reading is significantly **lower** than that of your bill, please contact Customer Service for help.

Water meters are exceptionally reliable and rarely the cause of consumption and billing discrepancies. They're designed to under-register or stop registering water flow if they malfunction.

Using Your Water Meter to Detect Leaks

Your water meter provides a simple way to determine if you have leaks in your plumbing, and it only requires a little time and effort.

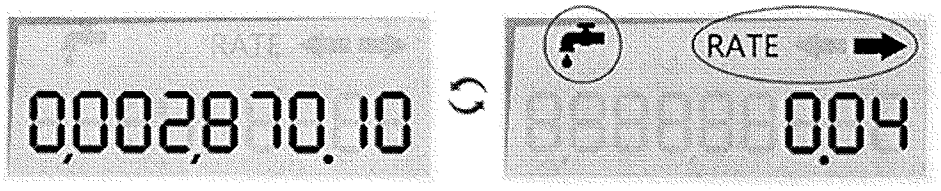
Analog Meters

1. Turn off all faucets and water-using appliances, such as fridge ice makers, washing machines, and dishwashers.
2. If either the High Flow or Low Flow Indicators are visibly moving; you clearly have a leak.
3. If these indicators do not appear to move, you may still have a very slow leak. Record the meter reading and position of the High Flow hand or use a piece of tape to mark its position.
4. Keep the water off and wait at least 30 minutes.
5. Now reread the meter. If there is any change, you probably have a leak in your system.

Digital Meters

1. Turn off all faucets and water-using appliances, such as fridge ice makers, washing machines, and dishwashers.
2. Activate the meter's display by shining a flashlight or mobile phone light at its face.
3. Wait a few seconds for the display to fully activate. It will then display the meter reading.
4. If water is flowing, the display will also flash between the reading and the RATE of flow in gallons per minute (gpm). If there is any flow during your test, you likely have a leak, and you'll also know how big it is.
5. Digital meters also record water flow over the previous 24 hours, in 15-minute intervals. If continuous flow is detected (unusual in most homes) it could be a leak. This is shown with a tap or water droplet symbol.
    1. Flashing Symbol – shows water was flowing during most 15-minute intervals in the last 24 hrs. This isn't necessarily a leak, but does indicate a high frequency of flow.

2. Solid Symbol – shows water was flowing continuously over the last 24 hours, with a high likelihood of a leak.



Normal Reading

Indicators of a Leak
(water flowing at 0.04 gpm)

click to enlarge

Determine if the Leak is Inside or Outside the Home

Once you've determined you have a leak, you can go one step further to find if the leak is within your home's plumbing, or in the Service Line that connects your home to the public watermain. These are often the source of leaks as they run underground and are susceptible to damage.

1. Shut off the main water valve to your home. This valve should only be turned by hand. If it's stuck you should have it inspected by a plumber, as forcing it could damage it or cause a rupture.
2. Repeat the steps above depending on the type of meter you have.
3. If a change in reading IS detected, you have a leak in the Service Line outside of the home.
4. If a change in reading IS NOT detected, your leak is somewhere inside the home.
5. If you cannot find and remedy the leak yourself, you should call a professional plumber, as *leaks never get better*.

APPENDIX G WATER CONSERVATION WEBSITES

WATER

- www.energystar.gov
- https://www.epa.gov/watersense
- www.nvrwa.org
- https://thewaterproject.org/water_conservation_tips
  https://www.allianceforwaterefficiency.org/resources/topic/us-epa-watersense-program

DROUGHT

- https://www.drought.gov/drought/resources/education
- https://www.ready.gov/drought?gclid=EAIaIQobChMItM-Wxr2U7AIV1ODICh2mgg1yEAAYASAAEgLBkPD_BwE
- https://www.watereducation.org/aquapedia/drought

LANDSCAPE

- https://extension.unr.edu/default.aspx
- https://extension.unr.edu/program.aspx?ID=74

EDUCATION

- https://drought.unl.edu/Education/DroughtforKids.aspx
- https://extension.unr.edu/default.aspx

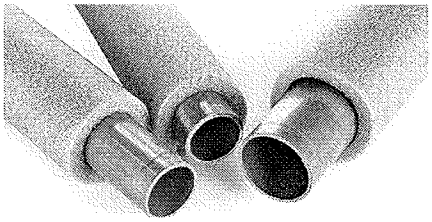
INSTITUTIONAL

- www.lvvwd.com
- www.snwa.com
- www.tmh20.com
- https://www.epa.gov/ground-water-and-drinking-water
- https://extension.unr.edu/default.aspx

WATERSENSE VIDEOS

- https://youtu.be/JFUr__lDERo Fix a Leak with WaterSense
- https://youtu.be/JvWJkGTMQSg Spruce up your Sprinkler System in Four Easy Steps
- https://youtu.be/jbibga4HEdw Make the Switch to Shower Savings with WaterSense and Shower Better
- https://youtu.be/iT6GmOsjil4 When in Drought (or not), Summer is the Time to Save

Preparing Your Pipes for Winter



Sep 06, 2022

- Health & Safety

Winter's bite can play havoc with household plumbing. And though we don't like to think about it, summer and fall are when you should be preparing your home for the frosty months – even in southern states that get the occasional surprise cold snap.

At the very least, frozen water pipes may mean a missed morning shower while pipes thaw out. At worst, costly damage and repairs. Here are some tips, so you don't wake up to frozen pipes this winter.

Before Freezing Weather

- Familiarize yourself and everyone in your household as to the location of the main water shut-off valve. Finding and closing this valve is the first step in *any type* of water emergency. The valve is normally located where water first enters the home from the street, and often near the water heater or washing machine.
- Insulate pipes and faucets in unheated areas, such as garage, crawl space, or attic. The closer a pipe is to the ground or outside walls, the more likelihood of freezing. Your local home improvement store can recommend the best materials and methods.
- In cold climates, outside faucets should have inside shut-off valves installed. These are normally found in basements and crawl spaces. These should be shut, and the outside faucet left open to drain. If your home doesn't have outside faucet shut-off valves, then wrap each faucet with insulation. Disconnect and drain all hoses before storage.
- Turn off and drain irrigation systems and backflow devices. Wrap backflow devices with insulating material. If in doubt, consult a qualified plumber or lawncare professional.
- Swimming pools and spas require special attention and can vary considerably in their design and winterizing requirements. If you're not familiar with yours, consult a pool specialist.
- Cover foundation vents with foam blocks, thickly folded newspaper, or cardboard to maintain higher temperatures in unheated areas.

- Visit the Energy.gov website to learn how to make your home more energy efficient. You'll not only protect your plumbing, but you'll save money and be more comfortable too.

Working on your home's plumbing requires specialized knowledge, as well as the proper tools and supplies. Making changes to your plumbing also carries the risk of creating cross connections. If you have any doubts about your DIY abilities, you should entrust this work to a qualified plumber.

Reclaimed or Reuse Water: Terms We'll Hear More Often

Feb 23, 2023

- Water & Wastewater Facts
- Conservation & Environment

Reclaimed water, also known as *water reuse* or *water recycling*, is water that has been used for human activities, and is then treated to a sufficient standard to be used again for certain human activities. These include agriculture, irrigation, and industrial processes – the largest consumers of water. With mounting global water scarcity, reuse is something we'll be hearing a lot more about.

Though the technology exists to bring reclaimed water up to potable (drinking) water standards, it's still uncommon, largely because of acceptance by the public and regulators. There's one notable case in the U.S. – Orange County, California, which produces 70 million GPD of potable water that is then injected into water-supply aquifers or sent to infiltration ponds where it's allowed to percolate into groundwater.

In fact, we already reuse water that has been used before, which the U.S. EPA defines as *unplanned water reuse*. A common example is a community that draws water from rivers, such as the Colorado and Mississippi Rivers, which has received treated wastewater discharge from communities upstream.

Planned Water Reuse

Planned water reuse, on the other hand, refers to water utility systems designed to recycle water before it's reintroduced to the environment. Examples of planned reuse include:

- Agricultural irrigation
- Public space irrigation e.g., parks, roadways, sports fields

- Fire suppression
- Construction, cleaning, and dust control
- Industrial processes e.g., power plants, refineries, factories
- Indoor uses, such as toilet flushing
- Replenishment of lakes, reservoirs, and aquifers

 Reuse water is treated to meet a particular use, and is "fit-for-purpose". For example, reclaimed water for agricultural irrigation needs to be of sufficient quality to prevent harm to plants and soils, maintain food safety, and protect the health of farm workers. In contrast, water used for cooling in an industrial process could be treated to a lower standard. Whichever is the case, reclaimed water is always kept separate from potable water, and is identifiable using purple-colored piping networks.

Water Reuse in the U.S. is Growing

Water reuse systems have been in place in the U.S. since the early 60s. Some states, most notably southern states such as Arizona, California, Colorado, Florida, Georgia, Virginia, and Texas, are actively promoting reuse. As of 2017, there were 763 water reuse projects in the U.S. as tracked by Bluefield Research, who estimated that $18 billion in projects were in development in 17 states. About half of the nation's potable reuse systems have come online in the past 10 years, attesting to its growing popularity.

The U.S. EPA's Safe Drinking Water Act and Clean Water Act provide a foundation for states to regulate and oversee water reuse as they see fit, and the EPA doesn't require or restrict any type of water reuse.

It's Drinking Water Week

May 08, 2023

- Conservation & Environment
- Water & Wastewater Facts

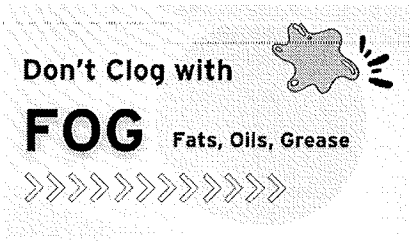
This week kicks off Drinking Water Week, a decades-long tradition led by the American Water Works Association. Drinking Water Week is a celebration recognizing the vital role water plays in everyday life for both water professionals and the communities they serve.

Every day, through the critical service we deliver, we touch the lives of our customers. We take great pride in being counted on by our customers for so much, from their morning coffee to supporting community healthcare, emergency response, sanitation and more. And while many take for granted the way of life we support; we know just how important it is, and how important the local water service team is to the communities we serve. Drinking Water Week is a great time to highlight their work and celebrate it.

Customers are encouraged to learn more about their local water service and to protect precious water resources by using water wisely. One of the most important things we can do is educate our youth about drinking water, including how it gets to homes and businesses and how to protect it.

A free children's activity book created for Drinking Water Week offers fun, educational activities. Parents and teachers are encouraged to access it here.

This Holiday Season, Don't Clog with FOG!



Nov 21, 2023

- Health & Safety
- Water & Wastewater Facts

When poured down the drain, fats, oils, and grease can build up in pipes, causing costly, dangerous sewer blockages. This holiday season, please remember to keep your drains fat-free!

Here are some key tips:

Collect FOG in a Container: Instead of pouring cooking oil and fat down the drain, collect it in a heat-resistant container, such as an old coffee can or a glass jar. Once it's cooled, dispose of it in the trash.

Scrape Plates and Cookware: Before washing dishes, scrape any excess food scraps and fatty residue into the trash.

Use Strainers or Filters: Install sink strainers or filters to catch food scraps and debris before they go down the drain.

Wipe Pans and Cookware: After cooking, wipe down pans and cookware with a paper towel to remove excess grease before washing them.

Support Community Recycling Programs: Some communities have programs for recycling used cooking oil and grease. Check if your area has such a program and participate in it!

What Else Can You Do?

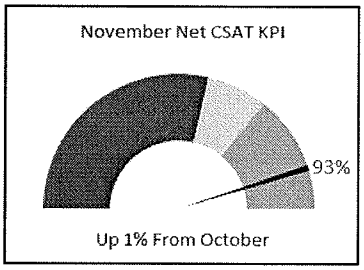
Only flush the three P's – Pee, Poo & Paper (toilet paper that is)!

Many household items do not break down in the toilet when flushed. To protect our pipes and the planet, keep everything but the three P's - Pee, Poo and Paper - out of the toilet!

Curious about what not to flush? **Click here to watch Patty Potty's message.**

Thank you for doing your part to protect our water system and the environment.
https://www.myutility.us/greatbasinwater/news

Customer Satisfaction Score



Q2: Issue Resolution	Q3: Care and Skill
87%	96%

In the West, irrigated landscapes consume 50-70% of water. Water supplies may not keep pace with rising demand from a growing population, prompting cities and states to develop conservation programs. Many western cities facing water shortages are encouraging conservation through low-water-use landscaping, xeriscaping, drought-resistant, water-wise, drought-adapted, Mediterranean, and native plantings.

What is "drought-tolerant," "drought-resistant," "drought-adapted," "xeric," "water-wise," "native," "Mediterranean" and more?

Confusion multiplies when landscape professionals and retailers use terms inconsistently, even disagreeing on what they mean.

Drought-tolerant, drought-adapted, drought-resistant: Mostly interchangeable, these terms mean much the same thing. Such plants survive in average or less-than-average rainfall in your region, yet what is drought-tolerant in California or Washington won't necessarily be in Nevada. For Nevada gardeners need to look for those plants that are drought-adapted to their regional divisions.

Native plants occur naturally in an environment and were not put there by us; they benefit and support their eco-systems and locale. Natives have co-evolved with local above- and below-ground organisms, animals, insects, birds, amphibians and soil-dwelling microorganisms for millennia.

Of the approximately 2,800 plant species native to Nevada, only a fraction are suitable for cultivation in any given region of the state, and an even smaller fraction are available commercially.

Planting a Nevada native garden is a current buzz concept. Yet not all Nevada native plants are drought-tolerant. If water-savings are key, check to make sure if it survives well on low water.

Plants from Mediterranean climates survive longer periods of moisture stress and on less frequent moisture. Plants have evolved with thicker foliage, leaf hairs, light colors, and have oils that combine to lock in moisture and resist drying out.

Established vs. non-established: A simple enough concept that most nonprofessional gardeners often overlook, to great detriment. An established plant has grown its root system from its former fussed-over nursery pot life into your yard's soil. New plants must get acclimated and grow a new root system to survive without additional supplemental water.

What people often do is purchase a "drought-tolerant" plant, plant it in dry soil and think it will survive because it is "drought-tolerant." Provide a gradual transition to maturity once they're in the ground, roots should stay moist and not be allowed to dry out for one complete season. It's best to plant low water needy plants in seasons other than summer; October being best, as cooler temperatures require less water.

For additional information please use the links below for your plant and landscaping questions.

Cold Springs	https://extension.unr.edu/washoe.aspx https://tmwa.com/water-efficient-landscape-guide/
	https://forestry.nv.gov/washoe-state-tree-nursery
	https://forestry.nv.gov/custom-growing-services
Pahrump	https://extension.unr.edu/nye-pahrump.aspx
	https://www.snwa.com/land/design_plants.html
	https://forestry.nv.gov/custom-growing-services
Spanish Springs	https://extension.unr.edu/washoe.aspx https://forestry.nv.gov/custom-growing-services
	https://tmwa.com/water-efficient-landscape-guide/
	https://forestry.nv.gov/washoe-state-tree-nursery
Spring Creek	https://extension.unr.edu/elko.aspx https://forestry.nv.gov/conservation-camps-program

APPENDIX J UNIVERSITY OF NEVADA RENO EXTENSION OFFICES

What is University of Nevada Extension?

We're the outreach college of the University that brings you information to solve problems and deal with critical issues. We have 18 offices to serve you, whether you live on a ranch near the remote Rubies or in an urban setting in Las Vegas.

Our more than 200 personnel - with the help of volunteers - deliver non-degree, educational programs in these areas:

- Agriculture
- Children, Youth and Families
- Community Development
- Health and Nutrition
- Horticulture
- Natural Resources

We couldn't do it without the help of our federal and county partners, and the other groups, agencies, businesses and individuals with whom we collaborate.

Cold Springs University of Nevada Reno Extension 4955 Energy Way Reno, NV 89502 https://extension.unr.edu/washoe.aspx	P: 775-784-4848 F: 775-784-4881
Pahrump University of Nevada Reno Extension 1651 E. Calvada Blvd. Pahrump, NV 89048 https://extension.unr.edu/nye-pahrump.aspx	P: 775-727-5532 F: 775-482-5396
Spanish Springs University of Nevada Reno Extension 4955 Energy Way Reno, NV 89502 https://extension.unr.edu/washoe.aspx	P: 775-784-4848 F: 775-784-4881
Spring Creek University of Nevada Reno Extension 701 Walnut Street Elko, NV 89801 https://extension.unr.edu/elko.aspx	P: 775-738-7291 F: 775-753-7843

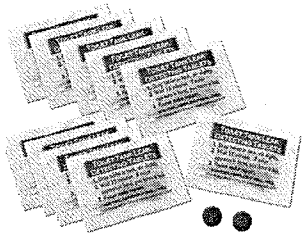
APPENDIX K — EPA WATER USAGE BENCHMARKS

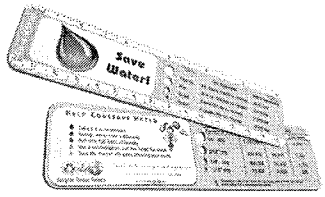
Type of Use	Likely Range of Values
INDOOR USES	
Average household size	2.0-3.0 persons
Frequency of toilet flushing	4.0 – 6.0 flushes per person per day
Flushing Volumes	1.6 – 8.0 gallons per flush
Fraction of leaking toilets	0-30 percent
Shower frequency	0 – 2.0 showers per person per day
Duration of average shower	5-15 minutes
Shower flow rates	1.5 – 5.0 gallons per minute
Bathing frequency	0 – 0.2 baths per person per day
Volume of water	30 – 50 gallons per cycle
Washing machine use	0.2 – 0.5 loads per person per day
Volume of water	45 – 50 gallons per cycle
Dishwasher use	0.1 – 0.3 loads per person per day
Volume of water	10 -15 gallons per cycle
Kitchen faucet use	0.5 – 5.0 minutes per person per day
Faucet flow rates	2.0 – 3.0 gallons per minute
OUTDOOR USES	
Average lot size	5000 – 8000 square feet
Average house size	1200 – 2500 square feet
Landscape area	4000 – 5000 square feet
Fraction of lot size in turf	30 – 50 percent
Water application rates	1 – 5 feet per year
Homes with pools	10 – 25 percent
Pools evaporation losses	3 – 7 feet per year
Frequency of refilling pool	1 – 2 times per year

APPENDIX L WATER CONSERVATION PRODUCTS

The following conservation products are taken from the New Resources Group. More water conservation products and information can be found at https://www.nrgideas.com/ .

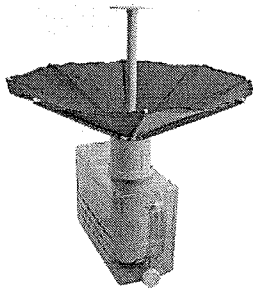
Dye Tablets for Toilet Tank leak detection.





Water Ruler learning tool with water saving tips drip gauge.

Shower Clock Timer, five-minute shorter shower & save sand timer.



The Shower Flower, capture water while showering.

APPENDIX M WATERSENSE LABELED TOILETS BILL CREDIT

Great Basin Water Co.™

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
844-694-4404
BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

WATERSENSE LABELED 1.28 GPF TOILET REPLACEMENT APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	ZIP Code:
Own Rent *(Please circle one)*	No. of Toilets:	No. of Residents:

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

WATERSENSE LABELED 1.28 GALLONS PER FLUSH (GPF) TOILET INSTALLATION INFORMATION

Quantity	Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program?	
Self or Contractor / Plumber *(please circle one)*	Install Date:

CHECKLIST

Is the water efficient toilet(s) you purchase on the WaterSense labeled 1.6 gallons per flush (GPF) Approved list? https://lookforwatersense.epa.gov/products/
Have you completed and signed the Terms and Condition, and the Toilet Replacement Application?
Did you enclose a copy of the original sales receipt for your toilet(s)

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the High Efficiency Toilet Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
First Toilet: Yes / No			
Second Toilet: Yes / No			
Total			

TERMS and CONDITIONS
QUALIFIED WATERSENSE LABELED HIGH EFFICIENCY 1.28 GPF TOILET BILL CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the WaterSense labeled Toilet Replacement program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one- time credit of $50;

THAT THE LIMIT is two per residence, commercial, institutional facility or unit;

THAT ELIGIBILITY is to any single family home, commercial, institutional or multi-family home up to four units receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for a High Efficiency Toilet (HET) with the EPA WaterSense Label which uses no more than 1.28 gallons per flush (gpf) This is 20 percent less water than the current federal standard of 1.6 gallons per flush;

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the toilet brand and model, you must provide other documentation acceptable to the Utility, such as the model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any toilet or that its installation will be free of defects, the quality of workmanship of the toilet or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the WaterSense labeled HET Program;

THAT the installation of the number of water efficient toilets indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any WaterSense labeled HET toilet purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an WaterSense labeled HET will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for an WaterSense labeled HET Bill Credit must be received within 60 days of purchase;

THAT the WaterSense labeled HET must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: *BeWaterSmart@greatbasinwaterco.com*

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

Attn: WaterSense labeled HET Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

FREQUENTLY ASKED QUESTIONS BILL CREDIT FOR WATERSENSE labeled 1.28 gallons per flush (GPF) TOILETS

How much is the bill credit?
The bill credit is $50 per toilet.

Who qualifies for the bill credit?
Any single-family home (house or condominium), or multifamily building with four or less units, commercial, or institutional facility located in the Utility service territory is eligible for a bill credit. You can apply for up to two rebates per house, condominium, commercial, institutional facility or unit, for a maximum of $100 per premise.

Which toilets qualify for the bill credit?
Any 1.28 gallons per flush toilet with the EPA WaterSense label qualifies. For a list of WaterSense labeled toilets go to:
www.GreatBasinWaterCo.com or call 844.694.4404. You can also obtain a list, or search for a specific toilet at *https://www.epa.gov/watersense*

What are WaterSense labeled toilets?
WaterSense labeled toilets are high-efficiency toilets (HET) that use no more than 1.28 gallons per flush (gpf) on average. This is 20 percent less water than the current federal standard of 1.6 gallons per flush (gpf).

How much water do WaterSense labeled toilets save?
The average family can save 13,000 gallons of water and $130.00 in water costs per year by replacing all old, inefficient toilets in their home, or facility with WaterSense labeled models.

Who makes WaterSense labeled toilets and where are they sold?
All major toilet manufacturers produce WaterSense labeled models and all hardware and bathroom supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the toilet meets the program criteria. You must provide a copy of the sales receipt. If the receipt does not show the toilet brand and model, you must provide other documentation (acceptable to the Utility), such as the model number from the toilet packaging.

When must I apply?
You must submit your application within 60 days after purchasing the toilet.

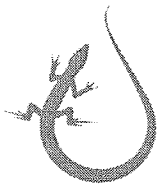
How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

APPENDIX M1 WATERSENSE LABELED FLUSHOMETER-VALVE BILL CREDIT



Great Basin Water Co.™

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
844-694-4404
BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

WATERSENSE LABELED FLUSHOMETER-VALVE REPLACEMENT APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current Address:		
City:	State:	ZIP Code:
Own Rent *(Please circle one)*	No. Of Flushometer-valve:	Total Number Of Toilets in Premise:

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

WATERSENSE LABELED FLUSHOMETER-VALVE INSTALLATION INFORMATION

Quantity	Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program?

Self or Contractor / Plumber *(please circle one)* — Install Date:

CHECKLIST

Is the Flushometer-valve(s) you purchase on the WaterSense labeled Approved list? https://lookforwatersense.epa.gov/products/

Have you completed and signed the Terms and Condition, and the Flushometer-Valve Replacement Application?

Did you enclose a copy of the original sales receipt for your flushometer-valve(s)

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the WaterSense Labeled Flushometer-Valve Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner/Manager Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
First Flushometer-Valve: Yes / No			
Second Flushometer-valve: Yes / No			
Total			

TERMS and CONDITIONS
QUALIFIED WATERSENSE LABELED FLUSHOMETER-VALVE BILL CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the WaterSense labeled Flushometer-Valve Replacement program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one- time credit of $50;

THAT THE LIMIT is two per facility or unit;

THAT ELIGIBILITY is to any single family home, commercial, institutional or multi-family home up to four units receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for a Flushometer-Valve with the EPA WaterSense Label which uses no more than 1.28 gallons per flush (gpf) This is 20 percent less water than the current federal standard of 1.6 gallons per flush;

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the Flushometer-Valve brand and model, you must provide other documentation acceptable to the Utility, such as the model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any Flushometer-Valve or that its installation will be free of defects, the quality of workmanship of the Flushometer-Valve or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the WaterSense labeled Program;

THAT the installation of the number of water efficient Flushometer-Valve indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any WaterSense labeled Flushometer-Valve purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an WaterSense labeled Flushometer-Valve will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for an WaterSense labeled Flushometer-Valve Bill Credit must be received within 60 days of purchase;

THAT the WaterSense labeled Flushometer-Valve must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: ***BeWaterSmart@greatbasinwaterco.com***

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

Attn: WaterSense labeled Flushometer-Valve Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

How much is the bill credit?
The bill credit is $50 per flushometer-valve.

Who qualifies for the bill credit?
Any facility located in the Utility service territory is eligible for a bill credit. You can apply for up to two rebates per unit, for a maximum of $100 per premise.

Which flushometer-valve qualify for the bill credit?
Any flushometer-valve with the EPA WaterSense label qualifies. For a list of WaterSense labeled products go to:
https://www.epa.gov/watersense/watersense-products .

What are WaterSense labeled flushometer-valve?
EPA's specification sets the maximum flush volume for WaterSense labeled flushometer-valve at 1.28 gpf, or 20 percent less water than the federal standard. The maximum flush volume applies to both single- and dual-flush toilets.

How much water do WaterSense labeled flushometer-valve toilets save?
By replacing old, inefficient flushometer-valve toilets with WaterSense labeled models, a 10-story office building with 1,000 occupants can save nearly 1.2 million gallons of water and more than $10,000 in water costs per year. Of those savings, nearly 870,000 gallons of water and $7,600 in water costs per year can be achieved by replacing the toilets in the women's restrooms alone.

Who makes WaterSense labeled flushometer-valve and where are they sold?
All major toilet manufacturers produce WaterSense labeled models and all hardware and bathroom supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the flushometer-valve meets the program criteria. You must provide a copy of the sales receipt. If the receipt does not show the flushometer-valve brand and model, you must provide other documentation (acceptable to the Utility), such as the model number from the flushometer-valve packaging.

When must I apply?
You must submit your application within 60 days after purchasing the flushometer-valve.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

Great Basin Water Co.
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Pahrump, NV 89048

Great Basin Water Co.™

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BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

WATERSENSE LABELED URINALS REPLACEMENT APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	ZIP Code:
Own Rent *(Please circle one)*	No. of Urinals:	No. of Urinals in Bldg:

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

WATERSENSE LABELED URINALS 0.5 GALLONS PER FLUSH (GPF) INSTALLATION INFORMATION

Quantity	Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program?

Self or Contractor / Plumber *(please circle one)* | Install Date:

CHECKLIST

Is the water efficient urinal(s) you purchase on the WaterSense labeled 0.5 gallons per flush (GPF) Approved list? https://lookforwatersense.epa.gov/products/

Have you completed and signed the Terms and Condition, and the Urinal Replacement Application?

Did you enclose a copy of the original sales receipt for your urinal(s)

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the WaterSense Labeled Urinal Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner or Manager Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
First Urinal: Yes / No			
Second Urinal: Yes / No			
Total			

TERMS and CONDITIONS
QUALIFIED WATERSENSE LABELED URINALS BILL CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the WaterSense labeled Urinal(s) Replacement program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one - time credit of $50;

THAT THE LIMIT is two per residence, commercial, institutional facility or unit;

THAT ELIGIBILITY is to any single-family home, commercial, institutional or multi-family home up to four units receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for Urinal(s) with the EPA WaterSense Label which uses no more than 0.5 gallons per flush (gpf) The current federal standard for commercial urinals is 1.0 gallon per flush (gpf), some older urinals use as much as five times that amount;

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the urinal brand and model, you must provide other documentation acceptable to the Utility, such as the model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any urinal or that its installation will be free of defects, the quality of workmanship of the urinal or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the WaterSense labeled Urinal Program;

THAT the installation of the number of water efficient urinals indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any WaterSense labeled urinal purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an WaterSense labeled urninal will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for an WaterSense labeled Urinal Bill Credit must be received within 60 days of purchase;

THAT the WaterSense labeled urinal must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: *BeWaterSmart@greatbasinwaterco.com*

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

Attn: WaterSense labeled Urinal Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

How much is the bill credit?
The bill credit is $50 per urinal.

Who qualifies for the bill credit?
Any single-family home (house or condominium), commercial, institutional or multifamily building with four or less units, located in the Utility service territory is eligible for a bill credit. You can apply for up to two rebates per house, condominium, facility or unit, for a maximum of $100 per premise.

Which urinals qualify for the bill credit?
Any 0.5 gallons per flush urinal with the EPA WaterSense label qualifies. For a list of WaterSense labeled urinals go to:
https://www.epa.gov/watersense/watersense-products .

What are WaterSense labeled urinals?
WaterSense labeled flushing urinals use no more than 0.5 gpf and comply with existing standards for flushing urinals. Replacing these inefficient fixtures with WaterSense labeled flushing urinals can save between 0.5 and 4.5 gallons per flush, without sacrificing performance.

How much water do WaterSense labeled urinals save?
Replacing just one older, inefficient urinal that uses 1.5 gpf with a WaterSense labeled model could save a facility more than 4,600 gallons of water per year.

Who makes WaterSense labeled urinals and where are they sold?
All major urinal manufacturers produce WaterSense labeled models and all hardware and bathroom supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the urinal meets the program criteria. You must provide a copy of the sales receipt. If the receipt does not show the urinal brand and model, you must provide other documentation (acceptable to the Utility), such as the model number from the urinal packaging.

When must I apply?
You must submit your application within 60 days after purchasing the urinal.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

APPENDIX N ENERGY STAR WASHING MACHINE BILL CREDIT

Great Basin Water Co.™

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
844-694-4404
BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

ENERGY STAR WASHING MACHINE REPLACEMENT APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	ZIP Code:
Own Rent *(Please circle one)*		

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

ENERGY STAR WASHING MACHINE INSTALLATION INFORMATION

Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program?	
Self or Contractor / Plumber *(please circle one)*	Install Date:

CHECKLIST

Is the water High Efficiency Washing Machine you purchased on the Energy Star approved list? https://www.energystar.gov/
Have you completed and signed the Energy Star High Efficiency Washing Machine Terms and Condition, and the Washing Machine Replacement Application?
Did you enclose a copy of the original sales receipt for your Energy Star Washing Machine with manufacture and model number?

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the Energy Star High Efficiency Washing Machine Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
Energy Star Washing Machine: Yes/No			

TERMS and CONDITIONS
QUALIFIED HIGH EFFICIENCY ENERGY STAR WASHING MACHINE BILL CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the Energy Star Washing Machine Replacement program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one- time credit of up to $75 not to exceed the cost of the Washing Machine;

THAT THE LIMIT is one per residence, commercial, institutional facility or unit;

THAT ELIGIBILITY is to any single family home or multi-family home up to four units, commercial, institutional facility receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for a High Efficiency Washing Machine (HEWM) as defined and listed as an Energy Star machine by the EPA *https://www.energystar.gov/*;

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the washing machine brand and model, you must provide other documentation acceptable to the Utility, such as the model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any Energy Star washing machine or that its installation will be free of defects, the quality of workmanship of the washing machine or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the HEWM Program;

THAT the installation of the HEWM indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any HEWM purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an HEWM will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for an HEWM Bill Credit must be received within 60 days of purchase;

THAT the HEWM must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: BeWaterSmart@greatbasinwaterco.com

Great Basin Water Co.
Attn: Bill Credit
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

Attn: HEWM Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

FAQ SHEET
BILL CREDIT FOR ENERGY STAR WASHING MACHINE

How much is the bill credit?
The bill credit is $75 not to exceed the cost of the Energy Star washing machine.

Who qualifies for the bill credit?
Any single-family home (house or condominium), commercial, institutional facility or multifamily building with four or less units, located in the Utility service territory is eligible for a bill credit. Limit one per household, commercial, institutional facility or unit.

Which washing machines qualify for the bill credit?
Any Washing Machine listed by the EPA as an Energy Star washing machine qualifies. For a list of Energy Star Washing Machines go to: *https://www.energystar.gov/*

What are Energy Star Washing Machines?
Clothes washers that have earned the ENERGY STAR are about 25% more efficient than non-certified models and are more efficient than models that simply meet the federal minimum standard for energy efficiency.

How much water do Energy Star Washing Machines save?
A full-sized ENERGY STAR certified clothes washer uses 13 gallons of water per load, compared to the 23 gallons used by a standard machine. That's a savings of more than 3,000 gallons of water, per year!

Who makes Energy Star Washing Machines and where are they sold?
All major washing machine manufacturers produce Energy Star qualified washing machines and all hardware and bathroom supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the washing machine meets the Energy Star program criteria. You must provide a copy of the sales receipt. If the receipt does not show the washing machine brand and model, you must provide other documentation (acceptable to the Utility), such as the model number from the washing machine packaging.

When must I apply?
You must submit your application within 60 days after purchasing the Energy Star washing machine.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

APPENDIX O TAMARISK (SALT CEDAR) REMOVAL BILL CREDIT

Great Basin Water Co.™

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
844-694-4404
BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

TAMARISK (SALT CEDAR) REMOVAL APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	Zip Code:
Own Rent *(Please circle one)*	No. of Salt Cedar	No. of Salt Cedar on property:

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner Address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

TAMARISK (SALT CEDAR) REMOVAL INFORMATION

Quantity	Who performed work Contractor/Landscaper/Self	Work Date

Where did you learn about our Bill Credit "Rebate" program?	
No. of Tamarisks (Salt Cedar) Removed:	Removal Date:
Contractor Name:	Before & After Pictures:
Signature:	Phone:

CHECKLIST

Were the trees identified as Tamarisks (Salt Cedar), did you enclose before and after pictures?

Have you completed and signed the Tamarisk (Salt Cedar) Terms and Condition page, and the Removal Application?

Did you enclose a copy of the bill or payment receipt with address for the contracted work?

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the Tamarisk (Salt Cedar) Removal Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner, Manager Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
Total Tamarisks (Salt Cedar) Removed			

TERMS and CONDITIONS
TAMARISK (SALT CEDAR) REMOVAL BILL CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the Tamarisk (Salt Cedar) Removal program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one-time credit of up to $300.;

THAT THE LIMIT is one per residence, commercial, institutional facility or unit;

THAT ELIGIBILITY is to any home, commercial, institutional facility receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT the application must be accompanied by the original receipt of payment. The receipt should show: number of tamarisks removed, and before and after pictures with dates.

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* Great Basin Water Co. Conservation Plan or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the removal of the number of tamarisks indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any tamarisk removal prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time, this Program is cancelled or altered, your bill credit for the removal of tamarisks will be honored only if received by the Utility within 60 days of the date of removal;

THAT, if the Program is in force, then all applications for a Bill Credit must be received within 60 days of removal;

THAT Bill credits will not be transferred from the location of tamarisk removal to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: BeWaterSmart@greatbasinwaterco.com

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844.694.4404

Attn: Tamarisk Removal Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

FAQ SHEET
BILL CREDIT FOR TAMARISK (SALT CEDAR) REMOVAL

How much is the bill credit?
The bill credit is $75 per each tree removed with a maximum bill credit per premise of $300.

Who qualifies for the bill credit?
Any customer, single-family home (house or condominium), commercial, institutional located in the Utility service territory is eligible for a bill credit. Limit $300 per premise.

Which trees for the bill credit?
Any Tamarisk (Salt Cedar) qualifies.

What are Tamarisks (Salt Cedars)?
Salt Cedars are very drought-tolerant plants that send long deep roots (30 feet is not unusual) to exploit groundwater deposits. Not only are they depleting the groundwater supplies, they release salt crystals in leaves and stems that accumulates under Salt Cedar plants, the surface soil can become highly saline, thus impeding future colonization by many native plant species.

How much water would be saved?
Groundwater supplies may not increase due to the removal of the tamarisks, but future depletion could be avoided.

Who removes the Salt Cedars?
Local landscapers will contract and advise on the removal of the Salt Cedars.

What documentation must I provide to receive a bill credit?
It is your responsibility to provide a copy of the receipt for the removal work, and before and after pictures with dates. The receipt should indicate the number of trees removed.

When must I apply?
You must submit your application within 60 days after completion of the removal.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

APPENDIX P WATERSENSE LABELED BATHROOM FAUCETS BILL CREDIT

Great Basin Water Co.™

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
844-694-4404
BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

WATERSENSE LABELED BATHROOM FAUCET REPLACEMENT APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	ZIP Code:
Own Rent *(Please circle one)*	No. of Bathroom Faucets:	

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

WATERSENSE LABELED BATHROOM FAUCET INSTALLATION INFORMATION

Quantity	Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program?	
Self or Contractor / Plumber *(please circle one)*	Install Date:

CHECKLIST

Is the WaterSense labeled High Efficiency Bathroom Faucet Did you purchase on the WaterSense labeled Approved list?
https://www.epa.gov/watersense/watersense-products

Have you completed and signed the Terms and Condition, and the WaterSense labeled High Efficiency Bathroom Faucet Application?

Did you enclose a copy of the original sales receipt for your WaterSense labeled bathroom faucet(s)

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the High Efficiency Bathroom Faucet Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner/Manager Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
First Bathroom Faucet: Yes / No			
Second Bathroom Faucet. Yes / No			
Total			

TERMS and CONDITIONS
QUALIFIED WATERSENSE LABELED BATHROOM FAUCET CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the WaterSense labeled Bathroom Faucet Replacement program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one- time credit of $25;

THAT THE LIMIT is two per residence, commercial, institutional facility or unit;

THAT ELIGIBILITY is to any single-family home, commercial, institutional facility or multi-family home up to four units receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for a WaterSense labeled bathroom faucet that the maximum flow rate shall not exceed 1.5 gallons per minute (gpm) at a pressure of 60 pounds per square inch (psi) at the inlet, when water is flowing; and the minimum flow rate shall not be less than 0.8 gpm at a pressure of 20 psi at the inlet, when water is flowing;

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the WaterSense labeled bathroom faucet brand and model, you must provide other documentation acceptable to the Utility, such as the model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any WaterSense labeled bathroom faucet or that its installation will be free of defects, the quality of workmanship of the bathroom faucet or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the WaterSense labeled bathroom faucet Program;

THAT the installation of the number of WaterSense labeled bathroom faucet indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any WaterSense labeled bathroom faucet purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an WaterSense labeled bathroom faucet will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for the WaterSense labeled bathroom faucet Bill Credit must be received within 60 days of purchase;

THAT the WaterSense labeled bathroom faucet must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: *BeWaterSmart@greatbasinwaterco.com*

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

Attn: WaterSense Labeled Bathroom Faucet Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

How much is the bill credit?
The bill credit is $25 per bathroom faucet.

Who qualifies for the bill credit?
Any single- family home (house or condominium), commercial, institutional facility or multifamily building with four or less units, located in the Utility service territory is eligible for a bill credit. You can apply for up to two rebates per house, condominium, commercial, institutional facility or unit, for a maximum of $50 per premise.

Which bathroom faucets qualify for the bill credit?
Any bathroom faucet with the EPA WaterSense label qualifies. For a list of WaterSense labeled bathroom faucets go to:
https://www.epa.gov/watersense/watersense-products

What are WaterSense labeled bathroom faucets?
WaterSense labeled bathroom faucets are high-efficiency bathroom faucets that the maximum flow rate shall not exceed 1.5 gallons per minute (gpm) at a pressure of 60 pounds per square inch (psi) at the inlet, when water is flowing; and the minimum flow rate shall not be less than 0.8 gpm at a pressure of 20 psi at the inlet, when water is flowing.

How much water do WaterSense labeled bathroom faucets save?
Replacing old, inefficient bathroom faucets and aerators with WaterSense labeled models can save the average family 700 gallons of water per year, equal to the amount of water needed to take 40 showers.

Who makes WaterSense labeled bathroom faucets and where are they sold?
All major bathroom faucet manufacturers produce WaterSense labeled models and all hardware and bathroom supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the WaterSense labeled bathroom faucet meets the program criteria. You must provide a copy of the sales receipt. If the receipt does not show the faucet brand and model, you must provide other documentation (acceptable to the Utility), such as the model number from the bathroom faucet packaging.

When must I apply?
You must submit your application within 60 days after purchasing the WaterSense labeled bathroom faucet.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

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Pahrump, NV 89048

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www.GreatBasinWaterCo.com

WATERSENSE LABELED SHOWERHEAD REPLACEMENT APPLICATION

APPLICANT INFORMATION

Name:		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	ZIP Code:
Own Rent *(Please circle one)*	No. of Showerheads:	No. of Residents:

PROPERTY OWNER INFORMATION (IF DIFFERENT)

Property Owner:		
Owner address:		
Phone:	E-mail:	Fax:
City:	State:	ZIP Code:

WATERSENSE LABELED SHOWERHEAD INSTALLATION INFORMATION

Quantity	Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program?

Self or Contractor / Plumber *(please circle one)* | Install Date:

CHECKLIST

Is the WaterSense labeled High Efficiency Showerhead you purchased on the WaterSense labeled Approved list? https://www3.epa.gov/watersense/

Have you completed and signed the Terms and Condition, and the WaterSense Labeled High Efficiency Showerhead Application?

Did you enclose a copy of the original sales receipt for your WaterSense Labeled Showerhead(s)

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the WaterSense labeled High Efficiency Showerhead Bill Credit Program and the Utility Water Conservation Plan.

Signature of applicant:	Date:
Property Owner Signature:	Date:

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
First Showerhead: Yes / No			
Second Showerhead. Yes / No			
Total			

TERMS and CONDITIONS
QUALIFIED WATERSENSE LABELED SHOWERHEAD CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the WaterSense labeled Showerhead Replacement program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one- time credit of $15;

THAT THE LIMIT is two per residence or unit;

THAT ELIGIBILITY is to any single-family home or multi-family home up to four units receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for a WaterSense labeled high-efficiency showerhead that use no more than 2.0 gallons of water per minute (gpm) versus the standard showerhead that use 2.5 gallons of water per minute (gpm);

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the WaterSense label showerhead brand and model, you must provide other documentation acceptable to the Utility, such as the model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting *www.GreatBasinWaterCo.com* or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any showerhead or that its installation will be free of defects, the quality of workmanship of the showerhead or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the WaterSense labeled showerhead Program;

THAT the installation of the number of water efficient showerhead indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any WaterSense labeled showerhead purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an WaterSense labeled showerhead will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for an WaterSense labeled showerhead Bill Credit must be received within 60 days of purchase;

THAT the WaterSense labeled showerhead must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Email: ***BeWaterSmart@greatbasinwaterco.com***

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

Website: www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

Attn: WaterSense labeled Showerhead Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

How much is the bill credit?
The bill credit is $15 per showerhead.

Who qualifies for the bill credit?
Any single- family home (house or condominium), or multifamily building with four or less units, located in the Utility service territory is eligible for a bill credit. You can apply for up to two rebates per house, condominium or unit, for a maximum of $30 per premise.

Which showerheads qualify for the bill credit?
Any showerhead with the EPA WaterSense label qualifies. For a list of WaterSense labeled showerheads go to:
www.GreatBasinWaterCo.com or call 844.694.4404. You can also obtain a list, or search for a specific showerheads at *https://www.epa.gov/watersense*

What are WaterSense labeled showerheads?
WaterSense labeled showerheads are high-efficiency showerheads that use no more than 2.0 gallons of water per minute (gpm) versus the standard showerhead that use 2.5 gallons of water per minute (gpm).

How much water do WaterSense labeled showerheads save?
The average family could save 2,700 gallons of water per year by installing WaterSense labeled showerheads.

Who makes WaterSense labeled showerheads and where are they sold?
All major bathroom showerhead manufacturers produce WaterSense labeled models and all hardware and bathroom supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the showerhead meets the program criteria. You must provide a copy of the sales receipt. If the receipt does not show the showerhead brand and model, you must provide other documentation (acceptable to the Utility), such as the model number from the showerhead packaging.

When must I apply?
You must submit your application within 60 days after purchasing the WaterSense labeled showerhead.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?

Email: BeWaterSmart@greatbasinwaterco.com
Customer Service: 844.694.4404
www.GreatBasinWaterCo.com

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048

APPENDIX R
WATERSENSE WEATHER-BASED IRRIGATION CONTROLLER BILL CREDIT

Great Basin Water Co.™

Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
844-694-4404
BeWaterSmart@greatbasinwaterco.com
www.GreatBasinWaterCo.com

WATERSENSE LABELED WEATHER-BASED IRRIGATION CONTROLLER

APPLICANT INFORMATION

Name/Property Owner: *(please print)*		
Utility Acct. No.:	Email:	Phone:
Current address:		
City:	State:	ZIP Code:

PROPERTY INFORMATION

Irrigated Landscape Area _____square feet (2,000 sq. ft. min)

Circle all that applies: *(please circle one)* Lawn Shrubs Trees Other_____

WATERSENSE LABELED WEATHER BASED IRRIGATION CONTROLLER

Manufacturer/Make	Model Name/No.	Purchase Location (City, State, Store)	Purchase Date

Where did you learn about our Bill Credit "Rebate" program? *(please circle one)* Direct Mail Bill Insert Newspaper Ad Web Site Other_____.

Self / Contractor / Landscaper / Plumber *(please circle one)*	Install Date:

CHECKLIST

Is the Weather based irrigation controller you purchased on the WaterSense approved list? https://www.epa.gov/watersense/irrigation-controllers

Have you completed and signed both the Irrigation Controller Terms and Condition, and the Application?

Did you enclose a copy of the original sales receipt for your WaterSense Irrigation Controller with manufacture and model number?

SIGNATURES

By signing below, you indicate that you have read and complied with the requirements of the WaterSense Labeled Weather Based Irrigation Controller Bill Credit Program and the Utility Water Conservation Plan.

Signature of Property Owner/Manager :	**Date:**

Disclaimer

Great Basin Water Co. does not warrant or assume any liability for the design, manufacture, installation or operation of any irrigation controller obtained under this program.

FOR UTILITY USE ONLY

Eligible Incentive	Amount	Approval Date	Application Approved By
WaterSense Irrigation Controller: Yes/No			

TERMS and CONDITIONS
QUALIFIED WATERSENSE LABELED WEATHER-BASED IRRIGATION CONTROLLER
BILL CREDIT PROGRAM
PLEASE READ CAREFULLY

In consideration of receiving the bill credit under this Program, the Undersigned acknowledges and agrees:

THAT the WaterSense Labeled Irrigation Controller program is subject to the rules and regulations set forth in the State of Nevada approved Utility's Tariff(s) and State approved Water Conservation Plan;

THAT the bill credit is a one- time credit of $75 of the cost of the irrigation controller (excluding shipping, tax, delivery and/or other incidentals) whichever is less, not to exceed $75 per residence or unit;

THAT THE LIMIT is one per residence, commercial, institutional facility or unit;

THAT ELIGIBILITY is to any single family home, commercial, institutional facility or multi-family home up to four units receiving water from the Utility as a Customer who is current with the Utility for all bills at any and all premises regardless of type of service;

THAT ELIGIBILITY is for a WaterSense Labeled Weather-Based Irrigation Controller (WBIC) with the EPA WaterSense program labels WBICs that have been certified by a third party to meet efficiency and performance criteria detailed in the WaterSense Labeled specification for Weather-Based Irrigation Controllers at the premise receiving service from the Utility;

THAT the application must be accompanied by a copy of the original sales receipt. If the receipt does not show the WaterSense Labeled brand and model, you must provide other documentation acceptable to the Utility, such as the brand and model number from the packaging;

THAT THE RESPONSIBILITY to meet Program criteria is the Customer's;

THAT the Utility may deny any application that does not meet Program requirements, which can be obtained by visiting www.GreatBasinWaterCo.com , or by calling 844.694.4404;

THAT the Utility may inspect all properties participating in this Program in order to confirm applicants' performance of the obligations under this Application;

THAT the Utility does not guarantee or warrant that the performance of any WasterSense Labeled Weather-Based Irrigation Controller or that its installation will be free of defects, the quality of workmanship of the irrigation controller or the suitability of the premises for installation;

THAT the Utility does not guarantee any benefits in the WBIC Program;

THAT the installation of the WaterSense Labeled Weather-Based Irrigation Controller indicated in this Application Form has been completed at the service address shown on the application;

THAT this program is not effective unless and until fully approved by the Public Utilities Commission of Nevada and any WBIC purchase prior to that approval date is ineligible for this bill credit;

TO indemnify, save and hold harmless the Utility including its Boards, affiliates, officers and employees, against any and all liability, loss, costs, damages, and expenses, causes of action, actions, claims, demands, lawsuits and other proceedings, by whomever made, sustained, brought or prosecuted, including third party bodily injury, death, personal injury, and property damage, in any way based upon, occasioned by or attributable to the undersigned's participation in this Program, including any negligence on the part of the Utility, its agents or servants;

THAT the Utility reserves the right to alter or terminate the Program at any time or refuse, in its sole discretion all further applications. At any time this Program is cancelled or altered, your bill credit for a purchase and installation of an WBIC will be honored only if received by the Utility within 30 days of the date of purchase;

THAT, if the Program is in force, then all applications for an WBIC Bill Credit must be received within 60 days of purchase;

THAT the WBIC must remain at the service address where the water conservation work has taken place. Bill credits will not be transferred from the location of water savings to another account, even if both service addresses are in the name of the same Customer or owned by the same person.

TO repay such bill credit to the Utility upon request, if this Application contains any material misstatement or misrepresentation on such undersigned's behalf, or if the undersigned breaches any of such terms or conditions.

Mail To:
Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
Email To: BeWaterSmart@greatbasinwaterco.com

Attn: WBIC Bill Credit

Signature of applicant:	**Date:**
Property Owner Signature:	**Date:**

FAQ SHEET
BILL CREDIT FOR WaterSense Labeled Weather-Based Irrigation Controller

How much is the bill credit?
The bill credit is $75 not to exceed the cost of the WaterSense Labeled Weather-Based Irrigation Controller.

Who qualifies for the bill credit?
Any single-family home (house or condominium),commercial, institutional facility or multifamily building with four or less units, located in the Utility service territory is eligible for a bill credit. Limit one per household or unit.

Which Weather-Based Irrigation Controller qualify for the bill credit?
Any Weather-Based Irrigation Controller listed by the EPA as an WaterSense Weather-Based Irrigation Controller qualifies. For a list of WaterSense Weather-Based Irrigation Controller go to: https://www.epa.gov/watersense/irrigation-controllers

What are WaterSense Labeled Weather-Based Irrigation Controller?
Weather-based irrigation controller (WBIC) are a new generation of smart irrigation controllers that use current weather data to properly adapt irrigation schedules.

How much water do WaterSense Labeled Weather-Based Irrigation Controller's save?
WaterSense labeled controllers have the potential to save homeowners across the United States 110 billion gallons of water and roughly $410 million per year on utility bills by continually balancing plant's changing requirements with environmental changes.

Who makes WaterSense Labeled Weather-Based Irrigation Controllers and where are they sold?
All major irrigation time clock manufacturers produce WaterSense Weather-Based Irrigation Controllers and all landscape suppliers, many nurseries, and hardware supply stores carry some models.

What documentation must I provide to receive a bill credit?
It is your responsibility to demonstrate the WaterSense Labeled Weather-Based Irrigation Controller meets the program criteria. You must provide a copy of the sales receipt. If the receipt does not show the Weather-Based Irrigation name and model number, you must provide other documentation (acceptable to the Utility), such as the model number from the WaterSense Labeled Weather-Based Irrigation Controller packaging.

When must I apply?
You must submit your application within 60 days after purchasing the WaterSense Labeled Weather-Based Irrigation Controller.

How long does it take to get my bill credit?
You should receive your bill credit within 1 to 2 billing cycles after receipt of your application.

Who can I contact if I have questions?
Great Basin Water Co.
1240 E. State St., Ste. 115
Pahrump, NV 89048
Email: BeWaterSmart@greatbasinwaterco.com
Website: http://www.GreatBasinWaterCo.com
Customer Service: 844-694-4404

APPENDIX L

Funding Plan Analysis (PWRR Models)

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - PRVs Between Tanks 3 & 4
Appendix L.CS.1.1

PRV's Between Tanks 3 & 4	$	534,223
Total PWRR	$	534,223

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - PRV Installation Between Tank 3 and Tank 4
Appendix L.CS.1.2

PWRR $ 534,223

INPUTS

		Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ 750	2025				
Rate of Return	7.127%	1st Qtr	$ 6,813	$ 6,985	$ 685	$ 7,670
WA Cost of Debt	2.359%	2nd Qtr	$ 6,813	$ 7,031	$ 564	$ 7,594
Discount Rate	7.127%	3rd Qtr	$ 6,813	$ 7,076	$ 441	$ 7,518
AFUDC Rate	7.127%	4th Qtr	$ 6,813	$ 7,122	$ 317	$ 7,440
Escalation (Inflation) Rate	2.60%	2026				
Base Year	2024	1st Qtr	$ 213,484	$ 224,623	$ 6,003	$ 230,626
First Expenditure Year	2025	2nd Qtr	$ 213,484	$ 226,086	$ 2,014	$ 228,100
Plant In Service Year	2026	3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	6	4th Qtr	$ -	$ -	$ -	$ -
Useful Life	50	2027				
GDS Tax Life	25	1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.946%	2nd Qtr	$ -	$ -	$ -	$ -
Mil Tax & Bad Debt	1.011%	3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%	4th Qtr	$ -	$ -	$ -	$ -
		Total Plant	$ 454,221	$ 478,923	$ 10,024	$ 488,947

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mil Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 488,947	$ 5,704	$ 11,409	$ 1,198	$ 482,045	$ 485,496	$ 2,392	$ 2,678	$ 461	$ 20,184	$ 32,617	$ 333	$ 32,950	$ 28,711	$ 28,711	$ 483,243
2027	$ 482,045	$ 9,779	$ 19,558	$ 2,054	$ 470,213	$ 476,129	$ 3,981	$ 4,502	$ 810	$ 33,934	$ 55,060	$ 562	$ 55,622	$ 45,243	$ 73,954	$ 473,464
2028	$ 470,213	$ 9,779	$ 19,558	$ 2,054	$ 458,380	$ 464,296	$ 3,831	$ 4,390	$ 831	$ 33,090	$ 53,976	$ 551	$ 54,527	$ 41,401	$ 115,356	$ 463,685
2029	$ 458,380	$ 9,779	$ 19,558	$ 2,054	$ 446,548	$ 452,464	$ 3,681	$ 4,278	$ 853	$ 32,247	$ 52,892	$ 540	$ 53,432	$ 37,871	$ 153,227	$ 453,906
2030	$ 446,548	$ 9,779	$ 19,558	$ 2,054	$ 434,715	$ 440,631	$ 3,531	$ 4,167	$ 875	$ 31,404	$ 51,809	$ 529	$ 52,338	$ 34,628	$ 187,855	$ 444,127
2031	$ 434,715	$ 9,779	$ 19,558	$ 2,054	$ 422,883	$ 428,799	$ 3,381	$ 4,055	$ 898	$ 30,560	$ 50,727	$ 518	$ 51,245	$ 31,649	$ 219,503	$ 434,348
2032	$ 422,883	$ 9,779	$ 19,558	$ 2,054	$ 411,050	$ 416,966	$ 3,231	$ 3,943	$ 921	$ 29,717	$ 49,645	$ 507	$ 50,152	$ 20,913	$ 240,417	$ 424,569
2033	$ 411,050	$ 9,779	$ 19,558	$ 2,054	$ 399,217	$ 405,134	$ 3,081	$ 3,831	$ 945	$ 28,874	$ 48,564	$ 496	$ 49,060	$ 26,402	$ 274,818	$ 414,790
2034	$ 399,217	$ 9,779	$ 19,558	$ 2,054	$ 387,385	$ 393,301	$ 2,931	$ 3,719	$ 969	$ 28,031	$ 47,483	$ 485	$ 47,968	$ 24,097	$ 298,915	$ 405,011
2035	$ 387,385	$ 9,779	$ 19,558	$ 2,054	$ 375,552	$ 381,469	$ 2,781	$ 3,607	$ 995	$ 27,187	$ 46,403	$ 474	$ 46,877	$ 21,982	$ 320,897	$ 395,233
2036	$ 375,552	$ 9,779	$ 19,558	$ 2,054	$ 363,720	$ 369,636	$ 2,631	$ 3,495	$ 1,021	$ 26,344	$ 45,324	$ 463	$ 45,787	$ 20,042	$ 340,940	$ 385,454
2037	$ 363,720	$ 9,779	$ 19,558	$ 2,054	$ 351,887	$ 357,804	$ 2,481	$ 3,383	$ 1,047	$ 25,501	$ 44,245	$ 452	$ 44,697	$ 18,264	$ 359,204	$ 375,675
2038	$ 351,887	$ 9,779	$ 19,558	$ 2,054	$ 340,055	$ 345,971	$ 2,331	$ 3,271	$ 1,074	$ 24,657	$ 43,167	$ 441	$ 43,608	$ 16,633	$ 375,837	$ 365,896
2039	$ 340,055	$ 9,779	$ 19,558	$ 2,054	$ 328,222	$ 334,139	$ 2,181	$ 3,160	$ 1,102	$ 23,814	$ 42,090	$ 430	$ 42,520	$ 15,139	$ 390,977	$ 356,117
2040	$ 328,222	$ 9,779	$ 19,558	$ 2,054	$ 316,390	$ 322,306	$ 2,031	$ 3,048	$ 1,131	$ 22,971	$ 41,013	$ 419	$ 41,432	$ 13,771	$ 404,747	$ 346,338
2041	$ 316,390	$ 9,779	$ 19,558	$ 2,054	$ 304,557	$ 310,473	$ 1,881	$ 2,936	$ 1,160	$ 22,127	$ 39,938	$ 408	$ 40,346	$ 12,517	$ 417,265	$ 336,559
2042	$ 304,557	$ 9,779	$ 19,558	$ 2,054	$ 292,725	$ 298,641	$ 1,732	$ 2,824	$ 1,190	$ 21,284	$ 38,863	$ 397	$ 39,260	$ 11,370	$ 428,635	$ 326,780
2043	$ 292,725	$ 9,779	$ 19,558	$ 2,054	$ 280,892	$ 286,808	$ 1,582	$ 2,712	$ 1,221	$ 20,441	$ 37,788	$ 386	$ 38,174	$ 10,320	$ 438,955	$ 317,001
2044	$ 280,892	$ 9,779	$ 19,558	$ 2,054	$ 269,060	$ 274,976	$ 1,432	$ 2,600	$ 1,253	$ 19,598	$ 36,715	$ 375	$ 37,090	$ 9,360	$ 448,315	$ 307,222
2045	$ 269,060	$ 9,779	$ 19,558	$ 2,054	$ 257,227	$ 263,143	$ 1,282	$ 2,488	$ 1,286	$ 18,754	$ 35,642	$ 364	$ 36,006	$ 8,482	$ 456,797	$ 297,443
2046	$ 257,227	$ 9,779	$ 19,558	$ 2,054	$ 245,395	$ 251,311	$ 1,132	$ 2,376	$ 1,319	$ 17,911	$ 34,571	$ 353	$ 34,924	$ 7,680	$ 464,477	$ 287,664
2047	$ 245,395	$ 9,779	$ 19,558	$ 2,054	$ 233,562	$ 239,478	$ 982	$ 2,265	$ 1,353	$ 17,068	$ 33,500	$ 342	$ 33,842	$ 6,947	$ 471,424	$ 277,885
2048	$ 233,562	$ 9,779	$ 19,558	$ 2,054	$ 221,730	$ 227,646	$ 832	$ 2,153	$ 1,389	$ 16,224	$ 32,430	$ 331	$ 32,761	$ 6,277	$ 477,701	$ 268,106
2049	$ 221,730	$ 9,779	$ 19,558	$ 2,054	$ 209,897	$ 215,813	$ 682	$ 2,041	$ 1,425	$ 15,381	$ 31,361	$ 320	$ 31,681	$ 5,667	$ 483,368	$ 258,327
2050	$ 209,897	$ 9,779	$ 19,558	$ 2,054	$ 198,064	$ 203,981	$ 532	$ 1,929	$ 1,462	$ 14,538	$ 30,293	$ 309	$ 30,602	$ 5,110	$ 488,477	$ 248,548
2051	$ 198,064	$ 9,779	$ 8,149	$ (342)	$ 188,628	$ 193,346	$ 2,793	$ 1,828	$ 1,500	$ 13,780	$ 29,337	$ 300	$ 29,637	$ 4,619	$ 493,096	$ 238,769
2052	$ 188,628	$ 9,779	$ -	$ (2,054)	$ 180,902	$ 184,765	$ 4,395	$ 1,747	$ 1,539	$ 13,168	$ 28,575	$ 292	$ 28,867	$ 4,200	$ 497,296	$ 228,990
2053	$ 180,902	$ 9,779	$ -	$ (2,054)	$ 173,177	$ 177,040	$ 4,297	$ 1,674	$ 1,579	$ 12,618	$ 27,893	$ 285	$ 28,178	$ 3,827	$ 501,123	$ 219,211
2054	$ 173,177	$ 9,779	$ -	$ (2,054)	$ 165,452	$ 169,314	$ 4,200	$ 1,601	$ 1,620	$ 12,067	$ 27,213	$ 278	$ 27,491	$ 3,485	$ 504,608	$ 209,433
2055	$ 165,452	$ 9,779	$ -	$ (2,054)	$ 157,726	$ 161,589	$ 4,102	$ 1,528	$ 1,662	$ 11,516	$ 26,533	$ 271	$ 26,804	$ 3,172	$ 507,780	$ 199,654
2056	$ 157,726	$ 9,779	$ -	$ (2,054)	$ 150,001	$ 153,864	$ 4,004	$ 1,455	$ 1,705	$ 10,966	$ 25,855	$ 264	$ 26,119	$ 2,885	$ 510,666	$ 189,875
2057	$ 150,001	$ 9,779	$ -	$ (2,054)	$ 142,276	$ 146,138	$ 3,906	$ 1,382	$ 1,750	$ 10,415	$ 25,178	$ 257	$ 25,435	$ 2,623	$ 513,288	$ 180,096
2058	$ 142,276	$ 9,779	$ -	$ (2,054)	$ 134,550	$ 138,413	$ 3,808	$ 1,309	$ 1,795	$ 9,865	$ 24,502	$ 250	$ 24,752	$ 2,383	$ 515,671	$ 170,317
2059	$ 134,550	$ 9,779	$ -	$ (2,054)	$ 126,825	$ 130,688	$ 3,710	$ 1,236	$ 1,842	$ 9,314	$ 23,827	$ 243	$ 24,070	$ 2,163	$ 517,834	$ 160,538
2060	$ 126,825	$ 9,779	$ -	$ (2,054)	$ 119,099	$ 122,962	$ 3,612	$ 1,163	$ 1,890	$ 8,764	$ 23,153	$ 237	$ 23,390	$ 1,962	$ 519,796	$ 150,759
2061	$ 119,099	$ 9,779	$ -	$ (2,054)	$ 111,374	$ 115,237	$ 3,514	$ 1,090	$ 1,939	$ 8,213	$ 22,481	$ 230	$ 22,710	$ 1,778	$ 521,574	$ 140,980
2062	$ 111,374	$ 9,779	$ -	$ (2,054)	$ 103,649	$ 107,511	$ 3,416	$ 1,017	$ 1,989	$ 7,662	$ 21,810	$ 223	$ 22,032	$ 1,610	$ 523,184	$ 131,201
2063	$ 103,649	$ 9,779	$ -	$ (2,054)	$ 95,923	$ 99,786	$ 3,318	$ 944	$ 2,041	$ 7,112	$ 21,140	$ 216	$ 21,356	$ 1,457	$ 524,641	$ 121,422
2064	$ 95,923	$ 9,779	$ -	$ (2,054)	$ 88,198	$ 92,061	$ 3,220	$ 871	$ 2,094	$ 6,561	$ 20,471	$ 209	$ 20,680	$ 1,317	$ 525,958	$ 111,643
2065	$ 88,198	$ 9,779	$ -	$ (2,054)	$ 80,473	$ 84,335	$ 3,122	$ 797	$ 2,148	$ 6,011	$ 19,804	$ 202	$ 20,007	$ 1,189	$ 527,148	$ 101,864
2066	$ 80,473	$ 9,779	$ -	$ (2,054)	$ 72,747	$ 76,610	$ 3,025	$ 724	$ 2,204	$ 5,460	$ 19,139	$ 196	$ 19,334	$ 1,073	$ 528,220	$ 92,085
2067	$ 72,747	$ 9,779	$ -	$ (2,054)	$ 65,022	$ 68,885	$ 2,927	$ 651	$ 2,262	$ 4,909	$ 18,474	$ 189	$ 18,663	$ 967	$ 529,187	$ 82,306
2068	$ 65,022	$ 9,779	$ -	$ (2,054)	$ 57,296	$ 61,159	$ 2,829	$ 578	$ 2,320	$ 4,359	$ 17,812	$ 182	$ 17,993	$ 870	$ 530,057	$ 72,527
2069	$ 57,296	$ 9,779	$ -	$ (2,054)	$ 49,571	$ 53,434	$ 2,731	$ 505	$ 2,381	$ 3,808	$ 17,150	$ 175	$ 17,326	$ 782	$ 530,839	$ 62,748
2070	$ 49,571	$ 9,779	$ -	$ (2,054)	$ 41,846	$ 45,708	$ 2,633	$ 432	$ 2,443	$ 3,258	$ 16,491	$ 168	$ 16,659	$ 702	$ 531,541	$ 52,969
2071	$ 41,846	$ 9,779	$ -	$ (2,054)	$ 34,120	$ 37,983	$ 2,535	$ 359	$ 2,506	$ 2,707	$ 15,833	$ 162	$ 15,994	$ 629	$ 532,170	$ 43,190
2072	$ 34,120	$ 9,779	$ -	$ (2,054)	$ 26,395	$ 30,258	$ 2,437	$ 286	$ 2,571	$ 2,156	$ 15,176	$ 155	$ 15,331	$ 563	$ 532,733	$ 33,411
2073	$ 26,395	$ 9,779	$ -	$ (2,054)	$ 18,670	$ 22,532	$ 2,339	$ 213	$ 2,638	$ 1,606	$ 14,522	$ 148	$ 14,670	$ 503	$ 533,236	$ 23,632
2074	$ 18,670	$ 9,779	$ -	$ (2,054)	$ 10,944	$ 14,807	$ 2,241	$ 140	$ 2,707	$ 1,055	$ 13,869	$ 142	$ 14,010	$ 448	$ 533,684	$ 13,854
2075	$ 10,944	$ 9,779	$ -	$ (2,054)	$ 3,219	$ 7,082	$ 2,143	$ 67	$ 2,777	$ 505	$ 13,217	$ 135	$ 13,352	$ 399	$ 534,083	$ 4,075
2076	$ 3,219	$ 4,075	$ -	$ (856)	$ 0	$ 1,609	$ 876	$ 15	$ 750	$ 115	$ 4,975	$ 51	$ 5,026	$ 140	$ 534,223	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - Rehab Tank 1
Appendix L.CS.2.1

Rehab Tank 1	$	653,654
Total PWRR	$	653,654

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - Rehab Tank 1
Appendix L.CS.2.2

PWRR $ 653,654

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2025				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ -	$ -	$ -	$ -
Discount Rate	7.127%		3rd Qtr	$ -	$ -	$ -	$ -
AFUDC Rate	7.127%		4th Qtr	$ 115,109	$ 120,332	$ 9,648	$ 129,980
Escalation (Inflation) Rate	2.60%		2026				
Base Year	2024		1st Qtr	$ 115,109	$ 121,115	$ 7,553	$ 128,668
First Expenditure Year	2025		2nd Qtr	$ 115,109	$ 121,904	$ 5,430	$ 127,335
Plant In Service Year	2026		3rd Qtr	$ 115,109	$ 122,699	$ 3,279	$ 125,978
Plant In Service Month	12		4th Qtr	$ 115,109	$ 123,498	$ 1,100	$ 124,598
Useful Life	50		2027				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.946%		2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	1.011%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 575,547	$ 609,548	$ 27,011	$ 636,558

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 636,558	$ 1,061	$ 2,122	$ 223	$ 635,275	$ 635,917	$ 449	$ 501	$ -	$ 3,777	$ 6,011	$ 61	$ 6,072	$ 5,291	$ 5,291	$ 635,498
2027	$ 635,275	$ 12,731	$ 25,462	$ 2,674	$ 619,870	$ 627,572	$ 5,281	$ 5,934	$ -	$ 44,727	$ 71,347	$ 729	$ 72,076	$ 58,626	$ 63,917	$ 622,766
2028	$ 619,870	$ 12,731	$ 25,462	$ 2,674	$ 604,465	$ 612,168	$ 5,085	$ 5,789	$ -	$ 43,629	$ 69,908	$ 714	$ 70,622	$ 53,622	$ 117,539	$ 610,035
2029	$ 604,465	$ 12,731	$ 25,462	$ 2,674	$ 589,061	$ 596,763	$ 4,890	$ 5,643	$ -	$ 42,531	$ 68,469	$ 699	$ 69,169	$ 49,025	$ 166,564	$ 597,304
2030	$ 589,061	$ 12,731	$ 25,462	$ 2,674	$ 573,656	$ 581,358	$ 4,695	$ 5,497	$ -	$ 41,433	$ 67,030	$ 685	$ 67,715	$ 44,801	$ 211,365	$ 584,573
2031	$ 573,656	$ 12,731	$ 25,462	$ 2,674	$ 558,251	$ 565,954	$ 4,500	$ 5,352	$ -	$ 40,336	$ 65,591	$ 670	$ 66,261	$ 40,923	$ 252,288	$ 571,842
2032	$ 558,251	$ 12,731	$ 25,462	$ 2,674	$ 542,846	$ 550,549	$ 4,304	$ 5,206	$ -	$ 39,238	$ 64,153	$ 655	$ 64,808	$ 37,363	$ 289,651	$ 559,111
2033	$ 542,846	$ 12,731	$ 25,462	$ 2,674	$ 527,442	$ 535,144	$ 4,109	$ 5,060	$ -	$ 38,140	$ 62,714	$ 641	$ 63,354	$ 34,095	$ 323,745	$ 546,379
2034	$ 527,442	$ 12,731	$ 25,462	$ 2,674	$ 512,037	$ 519,739	$ 3,914	$ 4,915	$ -	$ 37,042	$ 61,275	$ 626	$ 61,901	$ 31,096	$ 354,842	$ 533,648
2035	$ 512,037	$ 12,731	$ 25,462	$ 2,674	$ 496,632	$ 504,335	$ 3,719	$ 4,769	$ -	$ 35,944	$ 59,836	$ 611	$ 60,447	$ 28,346	$ 383,188	$ 520,917
2036	$ 496,632	$ 12,731	$ 25,462	$ 2,674	$ 481,228	$ 488,930	$ 3,523	$ 4,623	$ -	$ 34,846	$ 58,397	$ 597	$ 58,994	$ 25,824	$ 409,011	$ 508,186
2037	$ 481,228	$ 12,731	$ 25,462	$ 2,674	$ 465,823	$ 473,525	$ 3,328	$ 4,478	$ -	$ 33,748	$ 56,959	$ 582	$ 57,540	$ 23,512	$ 432,523	$ 495,455
2038	$ 465,823	$ 12,731	$ 25,462	$ 2,674	$ 450,418	$ 458,121	$ 3,133	$ 4,332	$ -	$ 32,650	$ 55,520	$ 567	$ 56,087	$ 21,393	$ 453,916	$ 482,724
2039	$ 450,418	$ 12,731	$ 25,462	$ 2,674	$ 435,013	$ 442,716	$ 2,938	$ 4,186	$ -	$ 31,552	$ 54,081	$ 552	$ 54,633	$ 19,452	$ 473,369	$ 469,992
2040	$ 435,013	$ 12,731	$ 25,462	$ 2,674	$ 419,609	$ 427,311	$ 2,742	$ 4,041	$ -	$ 30,454	$ 52,642	$ 538	$ 53,180	$ 17,675	$ 491,044	$ 457,261
2041	$ 419,609	$ 12,731	$ 25,462	$ 2,674	$ 404,204	$ 411,906	$ 2,547	$ 3,895	$ -	$ 29,357	$ 51,203	$ 523	$ 51,726	$ 16,048	$ 507,093	$ 444,530
2042	$ 404,204	$ 12,731	$ 25,462	$ 2,674	$ 388,799	$ 396,502	$ 2,352	$ 3,749	$ -	$ 28,259	$ 49,765	$ 508	$ 50,273	$ 14,560	$ 521,652	$ 431,799
2043	$ 388,799	$ 12,731	$ 25,462	$ 2,674	$ 373,395	$ 381,097	$ 2,157	$ 3,604	$ -	$ 27,161	$ 48,326	$ 494	$ 48,819	$ 13,198	$ 534,850	$ 419,068
2044	$ 373,395	$ 12,731	$ 25,462	$ 2,674	$ 357,990	$ 365,692	$ 1,961	$ 3,458	$ -	$ 26,063	$ 46,887	$ 479	$ 47,366	$ 11,953	$ 546,804	$ 406,336
2045	$ 357,990	$ 12,731	$ 25,462	$ 2,674	$ 342,585	$ 350,288	$ 1,766	$ 3,312	$ -	$ 24,965	$ 45,448	$ 464	$ 45,912	$ 10,816	$ 557,619	$ 393,605
2046	$ 342,585	$ 12,731	$ 25,462	$ 2,674	$ 327,180	$ 334,883	$ 1,571	$ 3,167	$ -	$ 23,867	$ 44,009	$ 450	$ 44,459	$ 9,776	$ 567,396	$ 380,874
2047	$ 327,180	$ 12,731	$ 25,462	$ 2,674	$ 311,776	$ 319,478	$ 1,376	$ 3,021	$ -	$ 22,769	$ 42,571	$ 435	$ 43,005	$ 8,828	$ 576,224	$ 368,143
2048	$ 311,776	$ 12,731	$ 25,462	$ 2,674	$ 296,371	$ 304,073	$ 1,180	$ 2,875	$ -	$ 21,671	$ 41,132	$ 420	$ 41,552	$ 7,962	$ 584,185	$ 355,412
2049	$ 296,371	$ 12,731	$ 25,462	$ 2,674	$ 280,966	$ 288,669	$ 985	$ 2,730	$ -	$ 20,573	$ 39,693	$ 405	$ 40,098	$ 7,172	$ 591,358	$ 342,681
2050	$ 280,966	$ 12,731	$ 25,462	$ 2,674	$ 265,562	$ 273,264	$ 790	$ 2,584	$ -	$ 19,476	$ 38,254	$ 391	$ 38,645	$ 6,452	$ 597,810	$ 329,949
2051	$ 265,562	$ 12,731	$ 23,340	$ 2,228	$ 250,602	$ 258,082	$ 1,043	$ 2,440	$ -	$ 18,394	$ 36,836	$ 376	$ 37,212	$ 5,800	$ 603,610	$ 317,218
2052	$ 250,602	$ 12,731	$ -	$ (2,674)	$ 240,545	$ 245,574	$ 5,786	$ 2,322	$ -	$ 17,502	$ 35,668	$ 364	$ 36,032	$ 5,242	$ 608,852	$ 304,487
2053	$ 240,545	$ 12,731	$ -	$ (2,674)	$ 230,487	$ 235,516	$ 5,659	$ 2,227	$ -	$ 16,785	$ 34,728	$ 355	$ 35,083	$ 4,765	$ 613,617	$ 291,756
2054	$ 230,487	$ 12,731	$ -	$ (2,674)	$ 220,430	$ 225,458	$ 5,531	$ 2,132	$ -	$ 16,068	$ 33,789	$ 345	$ 34,134	$ 4,327	$ 617,944	$ 279,025
2055	$ 220,430	$ 12,731	$ -	$ (2,674)	$ 210,372	$ 215,401	$ 5,404	$ 2,037	$ -	$ 15,352	$ 32,850	$ 336	$ 33,185	$ 3,927	$ 621,871	$ 266,294
2056	$ 210,372	$ 12,731	$ -	$ (2,674)	$ 200,314	$ 205,343	$ 5,276	$ 1,942	$ -	$ 14,635	$ 31,910	$ 326	$ 32,236	$ 3,561	$ 625,432	$ 253,562
2057	$ 200,314	$ 12,731	$ -	$ (2,674)	$ 190,257	$ 195,286	$ 5,149	$ 1,847	$ -	$ 13,918	$ 30,971	$ 316	$ 31,287	$ 3,226	$ 628,659	$ 240,831
2058	$ 190,257	$ 12,731	$ -	$ (2,674)	$ 180,199	$ 185,228	$ 5,021	$ 1,752	$ -	$ 13,201	$ 30,032	$ 307	$ 30,338	$ 2,920	$ 631,579	$ 228,100
2059	$ 180,199	$ 12,731	$ -	$ (2,674)	$ 170,141	$ 175,170	$ 4,894	$ 1,656	$ -	$ 12,484	$ 29,092	$ 297	$ 29,389	$ 2,641	$ 634,220	$ 215,369
2060	$ 170,141	$ 12,731	$ -	$ (2,674)	$ 160,084	$ 165,113	$ 4,766	$ 1,561	$ -	$ 11,768	$ 28,153	$ 288	$ 28,440	$ 2,385	$ 636,605	$ 202,638
2061	$ 160,084	$ 12,731	$ -	$ (2,674)	$ 150,026	$ 155,055	$ 4,639	$ 1,466	$ -	$ 11,051	$ 27,213	$ 278	$ 27,491	$ 2,152	$ 638,758	$ 189,907
2062	$ 150,026	$ 12,731	$ -	$ (2,674)	$ 139,969	$ 144,997	$ 4,511	$ 1,371	$ -	$ 10,334	$ 26,274	$ 268	$ 26,542	$ 1,940	$ 640,697	$ 177,175
2063	$ 139,969	$ 12,731	$ -	$ (2,674)	$ 129,911	$ 134,940	$ 4,384	$ 1,276	$ -	$ 9,617	$ 25,335	$ 259	$ 25,593	$ 1,746	$ 642,444	$ 164,444
2064	$ 129,911	$ 12,731	$ -	$ (2,674)	$ 119,853	$ 124,882	$ 4,256	$ 1,181	$ -	$ 8,900	$ 24,395	$ 249	$ 24,644	$ 1,569	$ 644,013	$ 151,713
2065	$ 119,853	$ 12,731	$ -	$ (2,674)	$ 109,796	$ 114,825	$ 4,129	$ 1,086	$ -	$ 8,184	$ 23,456	$ 240	$ 23,695	$ 1,409	$ 645,422	$ 138,982
2066	$ 109,796	$ 12,731	$ -	$ (2,674)	$ 99,738	$ 104,767	$ 4,001	$ 991	$ -	$ 7,467	$ 22,516	$ 230	$ 22,746	$ 1,262	$ 646,684	$ 126,251
2067	$ 99,738	$ 12,731	$ -	$ (2,674)	$ 89,680	$ 94,709	$ 3,874	$ 896	$ -	$ 6,750	$ 21,577	$ 220	$ 21,797	$ 1,129	$ 647,813	$ 113,520
2068	$ 89,680	$ 12,731	$ -	$ (2,674)	$ 79,623	$ 84,652	$ 3,746	$ 800	$ -	$ 6,033	$ 20,638	$ 211	$ 20,848	$ 1,008	$ 648,821	$ 100,788
2069	$ 79,623	$ 12,731	$ -	$ (2,674)	$ 69,565	$ 74,594	$ 3,619	$ 705	$ -	$ 5,316	$ 19,698	$ 201	$ 19,900	$ 898	$ 649,720	$ 88,057
2070	$ 69,565	$ 12,731	$ -	$ (2,674)	$ 59,508	$ 64,536	$ 3,492	$ 610	$ -	$ 4,600	$ 18,759	$ 192	$ 18,951	$ 798	$ 650,518	$ 75,326
2071	$ 59,508	$ 12,731	$ -	$ (2,674)	$ 49,450	$ 54,479	$ 3,364	$ 515	$ -	$ 3,883	$ 17,820	$ 182	$ 18,002	$ 708	$ 651,226	$ 62,595
2072	$ 49,450	$ 12,731	$ -	$ (2,674)	$ 39,392	$ 44,421	$ 3,237	$ 420	$ -	$ 3,166	$ 16,880	$ 172	$ 17,053	$ 626	$ 651,852	$ 49,864
2073	$ 39,392	$ 12,731	$ -	$ (2,674)	$ 29,335	$ 34,364	$ 3,109	$ 325	$ -	$ 2,449	$ 15,941	$ 163	$ 16,104	$ 552	$ 652,404	$ 37,133
2074	$ 29,335	$ 12,731	$ -	$ (2,674)	$ 19,277	$ 24,306	$ 2,982	$ 230	$ -	$ 1,732	$ 15,001	$ 153	$ 15,155	$ 485	$ 652,889	$ 24,401
2075	$ 19,277	$ 12,731	$ -	$ (2,674)	$ 9,219	$ 14,248	$ 2,854	$ 135	$ -	$ 1,015	$ 14,062	$ 144	$ 14,206	$ 424	$ 653,313	$ 11,670
2076	$ 9,219	$ 11,670	$ -	$ (2,451)	$ (0)	$ 4,610	$ 2,509	$ 44	$ -	$ 329	$ 12,101	$ 124	$ 12,224	$ 341	$ 653,654	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - Rehab Tank 2
Appendix L.CS.3.1

Rehab Tank 2	$	815,543
Total PWRR	$	815,543

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - Factory Rehabilitation Tank 2
Appendix L.CS.3.2

PWRR **$ 815,543**

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2026				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ -	$ -	$ -	$ -
Discount Rate	7.127%		3rd Qtr	$ -	$ -	$ -	$ -
AFUDC Rate	7.127%		4th Qtr	$ 149,910	$ 160,834	$ 12,895	$ 173,729
Escalation (Inflation) Rate	2.60%		2027				
Base Year	2024		1st Qtr	$ 149,910	$ 161,882	$ 10,095	$ 171,977
First Expenditure Year	2026		2nd Qtr	$ 149,910	$ 162,936	$ 7,258	$ 170,194
Plant In Service Year	2027		3rd Qtr	$ 149,910	$ 163,998	$ 4,383	$ 168,381
Plant In Service Month	12		4th Qtr	$ 149,910	$ 165,066	$ 1,471	$ 166,536
Useful Life	50		2028				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.946%		2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	1.011%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 749,548	$ 814,715	$ 36,102	$ 850,817

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2027	$ 850,817	$ 1,418	$ 2,836	$ 298	$ 849,102	$ 849,960	$ 600	$ 670	$ -	$ 5,048	$ 8,034	$ 82	$ 8,116	$ 6,601	$ 6,601	$ 849,399
2028	$ 849,102	$ 17,016	$ 34,033	$ 3,573	$ 828,512	$ 838,807	$ 7,058	$ 7,932	$ -	$ 59,782	$ 95,361	$ 974	$ 96,335	$ 73,146	$ 79,747	$ 832,383
2029	$ 828,512	$ 17,016	$ 34,033	$ 3,573	$ 807,922	$ 818,217	$ 6,797	$ 7,737	$ -	$ 58,314	$ 93,438	$ 954	$ 94,393	$ 66,903	$ 146,650	$ 815,367
2030	$ 807,922	$ 17,016	$ 34,033	$ 3,573	$ 787,332	$ 797,627	$ 6,536	$ 7,542	$ -	$ 56,847	$ 91,515	$ 935	$ 92,450	$ 61,166	$ 207,816	$ 798,350
2031	$ 787,332	$ 17,016	$ 34,033	$ 3,573	$ 766,743	$ 777,037	$ 6,275	$ 7,348	$ -	$ 55,379	$ 89,592	$ 915	$ 90,507	$ 55,897	$ 263,713	$ 781,334
2032	$ 766,743	$ 17,016	$ 34,033	$ 3,573	$ 746,153	$ 756,448	$ 6,014	$ 7,153	$ -	$ 53,912	$ 87,669	$ 896	$ 88,564	$ 51,058	$ 314,772	$ 764,318
2033	$ 746,153	$ 17,016	$ 34,033	$ 3,573	$ 725,563	$ 735,858	$ 5,753	$ 6,958	$ -	$ 52,445	$ 85,746	$ 876	$ 86,622	$ 46,616	$ 361,388	$ 747,301
2034	$ 725,563	$ 17,016	$ 34,033	$ 3,573	$ 704,973	$ 715,268	$ 5,492	$ 6,764	$ -	$ 50,977	$ 83,823	$ 856	$ 84,679	$ 42,539	$ 403,927	$ 730,285
2035	$ 704,973	$ 17,016	$ 34,033	$ 3,573	$ 684,383	$ 694,678	$ 5,231	$ 6,569	$ -	$ 49,510	$ 81,900	$ 837	$ 82,736	$ 38,798	$ 442,725	$ 713,269
2036	$ 684,383	$ 17,016	$ 34,033	$ 3,573	$ 663,794	$ 674,088	$ 4,970	$ 6,374	$ -	$ 48,042	$ 79,976	$ 817	$ 80,793	$ 35,366	$ 478,091	$ 696,252
2037	$ 663,794	$ 17,016	$ 34,033	$ 3,573	$ 643,204	$ 653,499	$ 4,709	$ 6,179	$ -	$ 46,575	$ 78,053	$ 797	$ 78,851	$ 32,220	$ 510,311	$ 679,236
2038	$ 643,204	$ 17,016	$ 34,033	$ 3,573	$ 622,614	$ 632,909	$ 4,448	$ 5,985	$ -	$ 45,107	$ 76,130	$ 778	$ 76,908	$ 29,335	$ 539,646	$ 662,220
2039	$ 622,614	$ 17,016	$ 34,033	$ 3,573	$ 602,024	$ 612,319	$ 4,187	$ 5,790	$ -	$ 43,640	$ 74,207	$ 758	$ 74,965	$ 26,692	$ 566,337	$ 645,203
2040	$ 602,024	$ 17,016	$ 34,033	$ 3,573	$ 581,434	$ 591,729	$ 3,926	$ 5,595	$ -	$ 42,173	$ 72,284	$ 738	$ 73,023	$ 24,270	$ 590,607	$ 628,187
2041	$ 581,434	$ 17,016	$ 34,033	$ 3,573	$ 560,845	$ 571,140	$ 3,665	$ 5,401	$ -	$ 40,705	$ 70,361	$ 719	$ 71,080	$ 22,053	$ 612,660	$ 611,171
2042	$ 560,845	$ 17,016	$ 34,033	$ 3,573	$ 540,255	$ 550,550	$ 3,404	$ 5,206	$ -	$ 39,238	$ 68,438	$ 699	$ 69,137	$ 20,023	$ 632,683	$ 594,154
2043	$ 540,255	$ 17,016	$ 34,033	$ 3,573	$ 519,665	$ 529,960	$ 3,144	$ 5,011	$ -	$ 37,770	$ 66,515	$ 679	$ 67,194	$ 18,166	$ 650,849	$ 577,138
2044	$ 519,665	$ 17,016	$ 34,033	$ 3,573	$ 499,075	$ 509,370	$ 2,883	$ 4,817	$ -	$ 36,303	$ 64,592	$ 660	$ 65,252	$ 16,467	$ 667,316	$ 560,121
2045	$ 499,075	$ 17,016	$ 34,033	$ 3,573	$ 478,486	$ 488,780	$ 2,622	$ 4,622	$ -	$ 34,835	$ 62,669	$ 640	$ 63,309	$ 14,914	$ 682,230	$ 543,105
2046	$ 478,486	$ 17,016	$ 34,033	$ 3,573	$ 457,896	$ 468,191	$ 2,361	$ 4,427	$ -	$ 33,368	$ 60,746	$ 621	$ 61,366	$ 13,494	$ 695,724	$ 526,089
2047	$ 457,896	$ 17,016	$ 34,033	$ 3,573	$ 437,306	$ 447,601	$ 2,100	$ 4,233	$ -	$ 31,901	$ 58,822	$ 601	$ 59,423	$ 12,198	$ 707,922	$ 509,072
2048	$ 437,306	$ 17,016	$ 34,033	$ 3,573	$ 416,716	$ 427,011	$ 1,839	$ 4,038	$ -	$ 30,433	$ 56,899	$ 581	$ 57,481	$ 11,014	$ 718,936	$ 492,056
2049	$ 416,716	$ 17,016	$ 34,033	$ 3,573	$ 396,126	$ 406,421	$ 1,578	$ 3,843	$ -	$ 28,966	$ 54,976	$ 562	$ 55,538	$ 9,934	$ 728,870	$ 475,040
2050	$ 396,126	$ 17,016	$ 34,033	$ 3,573	$ 375,537	$ 385,832	$ 1,317	$ 3,648	$ -	$ 27,498	$ 53,053	$ 542	$ 53,595	$ 8,949	$ 737,818	$ 458,023
2051	$ 375,537	$ 17,016	$ 34,033	$ 3,573	$ 354,947	$ 365,242	$ 1,056	$ 3,454	$ -	$ 26,031	$ 51,130	$ 522	$ 51,652	$ 8,050	$ 745,869	$ 441,007
2052	$ 354,947	$ 17,016	$ 31,197	$ 2,978	$ 334,953	$ 344,950	$ 1,394	$ 3,262	$ -	$ 24,585	$ 49,235	$ 503	$ 49,738	$ 7,236	$ 753,105	$ 423,991
2053	$ 334,953	$ 17,016	$ -	$ (3,573)	$ 321,510	$ 328,231	$ 7,734	$ 3,104	$ -	$ 23,393	$ 47,673	$ 487	$ 48,160	$ 6,541	$ 759,646	$ 406,974
2054	$ 321,510	$ 17,016	$ -	$ (3,573)	$ 308,067	$ 314,788	$ 7,563	$ 2,977	$ -	$ 22,435	$ 46,418	$ 474	$ 46,892	$ 5,945	$ 765,590	$ 389,958
2055	$ 308,067	$ 17,016	$ -	$ (3,573)	$ 294,624	$ 301,345	$ 7,393	$ 2,850	$ -	$ 21,477	$ 45,162	$ 461	$ 45,623	$ 5,399	$ 770,989	$ 372,942
2056	$ 294,624	$ 17,016	$ -	$ (3,573)	$ 281,181	$ 287,902	$ 7,222	$ 2,722	$ -	$ 20,519	$ 43,907	$ 449	$ 44,355	$ 4,900	$ 775,889	$ 355,925
2057	$ 281,181	$ 17,016	$ -	$ (3,573)	$ 267,738	$ 274,460	$ 7,052	$ 2,595	$ -	$ 19,561	$ 42,651	$ 436	$ 43,087	$ 4,443	$ 780,332	$ 338,909
2058	$ 267,738	$ 17,016	$ -	$ (3,573)	$ 254,295	$ 261,017	$ 6,882	$ 2,468	$ -	$ 18,603	$ 41,395	$ 423	$ 41,818	$ 4,025	$ 784,357	$ 321,893
2059	$ 254,295	$ 17,016	$ -	$ (3,573)	$ 240,852	$ 247,574	$ 6,711	$ 2,341	$ -	$ 17,645	$ 40,140	$ 410	$ 40,550	$ 3,644	$ 788,001	$ 304,876
2060	$ 240,852	$ 17,016	$ -	$ (3,573)	$ 227,409	$ 234,131	$ 6,541	$ 2,214	$ -	$ 16,687	$ 38,884	$ 397	$ 39,281	$ 3,295	$ 791,296	$ 287,860
2061	$ 227,409	$ 17,016	$ -	$ (3,573)	$ 213,966	$ 220,688	$ 6,371	$ 2,087	$ -	$ 15,728	$ 37,629	$ 384	$ 38,013	$ 2,976	$ 794,272	$ 270,844
2062	$ 213,966	$ 17,016	$ -	$ (3,573)	$ 200,523	$ 207,245	$ 6,200	$ 1,960	$ -	$ 14,770	$ 36,373	$ 372	$ 36,745	$ 2,686	$ 796,958	$ 253,827
2063	$ 200,523	$ 17,016	$ -	$ (3,573)	$ 187,081	$ 193,802	$ 6,030	$ 1,833	$ -	$ 13,812	$ 35,118	$ 359	$ 35,476	$ 2,420	$ 799,378	$ 236,811
2064	$ 187,081	$ 17,016	$ -	$ (3,573)	$ 173,638	$ 180,359	$ 5,859	$ 1,705	$ -	$ 12,854	$ 33,862	$ 346	$ 34,208	$ 2,179	$ 801,557	$ 219,795
2065	$ 173,638	$ 17,016	$ -	$ (3,573)	$ 160,195	$ 166,916	$ 5,689	$ 1,578	$ -	$ 11,896	$ 32,606	$ 333	$ 32,939	$ 1,958	$ 803,515	$ 202,778
2066	$ 160,195	$ 17,016	$ -	$ (3,573)	$ 146,752	$ 153,473	$ 5,519	$ 1,451	$ -	$ 10,938	$ 31,351	$ 320	$ 31,671	$ 1,758	$ 805,272	$ 185,762
2067	$ 146,752	$ 17,016	$ -	$ (3,573)	$ 133,309	$ 140,030	$ 5,348	$ 1,324	$ -	$ 9,980	$ 30,095	$ 307	$ 30,403	$ 1,575	$ 806,847	$ 168,745
2068	$ 133,309	$ 17,016	$ -	$ (3,573)	$ 119,866	$ 126,587	$ 5,178	$ 1,197	$ -	$ 9,022	$ 28,840	$ 295	$ 29,134	$ 1,409	$ 808,256	$ 151,729
2069	$ 119,866	$ 17,016	$ -	$ (3,573)	$ 106,423	$ 113,145	$ 5,007	$ 1,070	$ -	$ 8,064	$ 27,584	$ 282	$ 27,866	$ 1,258	$ 809,514	$ 134,713
2070	$ 106,423	$ 17,016	$ -	$ (3,573)	$ 92,980	$ 99,702	$ 4,837	$ 943	$ -	$ 7,106	$ 26,329	$ 269	$ 26,597	$ 1,121	$ 810,635	$ 117,696
2071	$ 92,980	$ 17,016	$ -	$ (3,573)	$ 79,537	$ 86,259	$ 4,667	$ 816	$ -	$ 6,148	$ 25,073	$ 256	$ 25,329	$ 996	$ 811,631	$ 100,680
2072	$ 79,537	$ 17,016	$ -	$ (3,573)	$ 66,094	$ 72,816	$ 4,496	$ 689	$ -	$ 5,190	$ 23,817	$ 243	$ 24,061	$ 883	$ 812,514	$ 83,664
2073	$ 66,094	$ 17,016	$ -	$ (3,573)	$ 52,651	$ 59,373	$ 4,326	$ 561	$ -	$ 4,232	$ 22,562	$ 230	$ 22,792	$ 781	$ 813,295	$ 66,647
2074	$ 52,651	$ 17,016	$ -	$ (3,573)	$ 39,209	$ 45,930	$ 4,156	$ 434	$ -	$ 3,273	$ 21,306	$ 218	$ 21,524	$ 689	$ 813,984	$ 49,631
2075	$ 39,209	$ 17,016	$ -	$ (3,573)	$ 25,766	$ 32,487	$ 3,985	$ 307	$ -	$ 2,315	$ 20,051	$ 205	$ 20,255	$ 605	$ 814,589	$ 32,615
2076	$ 25,766	$ 17,016	$ -	$ (3,573)	$ 12,323	$ 19,044	$ 3,815	$ 180	$ -	$ 1,357	$ 18,795	$ 192	$ 18,987	$ 529	$ 815,118	$ 15,598
2077	$ 12,323	$ 15,598	$ -	$ (3,276)	$ (0)	$ 6,161	$ 3,354	$ 58	$ -	$ 439	$ 16,174	$ 165	$ 16,339	$ 425	$ 815,543	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - Replace Tank 2
Appendix L.CS.4.1

Replace Tank 2	$ 1,156,319
Total PWRR	$ 1,156,319

GBWC 2024 INTEGRATED RESOURCE PLAN
Cold Springs Division - Replace Tank 2
Appendix L.CS.4.2

PWRR $ 1,156,319

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2026				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ -	$ -	$ -	$ -
Discount Rate	7.127%		3rd Qtr	$ -	$ -	$ -	$ -
AFUDC Rate	7.127%		4th Qtr	$ 212,549	$ 228,039	$ 18,284	$ 246,323
Escalation (Inflation) Rate	2.60%		2027				
Base Year	2024		1st Qtr	$ 212,549	$ 229,524	$ 14,313	$ 243,838
First Expenditure Year	2026		2nd Qtr	$ 212,549	$ 231,019	$ 10,290	$ 241,310
Plant In Service Year	2027		3rd Qtr	$ 212,549	$ 232,526	$ 6,214	$ 238,739
Plant In Service Month	12		4th Qtr	$ 212,549	$ 234,039	$ 2,085	$ 236,124
Useful Life	50		2028				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.946%		2nd Qtr	$ -	$ -	$ -	$ -
Mil Tax & Bad Debt	1.011%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 1,062,747	$ 1,155,145	$ 51,187	$ 1,206,332

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mil Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2027	$ 1,206,332	$ 2,011	$ 4,021	$ 422	$ 1,203,899	$ 1,205,116	$ 851	$ 950	$ -	$ 7,157	$ 11,390	$ 116	$ 11,507	$ 9,360	$ 9,360	$ 1,204,322
2028	$ 1,203,899	$ 24,127	$ 48,253	$ 5,067	$ 1,174,706	$ 1,189,303	$ 10,007	$ 11,246	$ -	$ 84,762	$ 135,208	$ 1,381	$ 136,589	$ 103,710	$ 113,070	$ 1,180,195
2029	$ 1,174,706	$ 24,127	$ 48,253	$ 5,067	$ 1,145,513	$ 1,160,110	$ 9,637	$ 10,970	$ -	$ 82,681	$ 132,481	$ 1,353	$ 133,835	$ 94,858	$ 207,928	$ 1,156,068
2030	$ 1,145,513	$ 24,127	$ 48,253	$ 5,067	$ 1,116,320	$ 1,130,916	$ 9,267	$ 10,694	$ -	$ 80,600	$ 129,755	$ 1,325	$ 131,080	$ 86,725	$ 294,652	$ 1,131,942
2031	$ 1,116,320	$ 24,127	$ 48,253	$ 5,067	$ 1,087,127	$ 1,101,723	$ 8,897	$ 10,418	$ -	$ 78,520	$ 127,028	$ 1,298	$ 128,326	$ 79,254	$ 373,906	$ 1,107,815
2032	$ 1,087,127	$ 24,127	$ 48,253	$ 5,067	$ 1,057,933	$ 1,072,530	$ 8,527	$ 10,142	$ -	$ 76,439	$ 124,301	$ 1,270	$ 125,571	$ 72,393	$ 446,300	$ 1,083,688
2033	$ 1,057,933	$ 24,127	$ 48,253	$ 5,067	$ 1,028,740	$ 1,043,337	$ 8,157	$ 9,866	$ -	$ 74,359	$ 121,575	$ 1,242	$ 122,817	$ 66,095	$ 512,394	$ 1,059,562
2034	$ 1,028,740	$ 24,127	$ 48,253	$ 5,067	$ 999,547	$ 1,014,143	$ 7,787	$ 9,590	$ -	$ 72,278	$ 118,848	$ 1,214	$ 120,062	$ 60,314	$ 572,708	$ 1,035,435
2035	$ 999,547	$ 24,127	$ 48,253	$ 5,067	$ 970,354	$ 984,950	$ 7,417	$ 9,314	$ -	$ 70,197	$ 116,121	$ 1,186	$ 117,308	$ 55,010	$ 627,718	$ 1,011,309
2036	$ 970,354	$ 24,127	$ 48,253	$ 5,067	$ 941,160	$ 955,757	$ 7,047	$ 9,038	$ -	$ 68,117	$ 113,395	$ 1,158	$ 114,553	$ 50,144	$ 677,862	$ 987,182
2037	$ 941,160	$ 24,127	$ 48,253	$ 5,067	$ 911,967	$ 926,564	$ 6,677	$ 8,762	$ -	$ 66,036	$ 110,668	$ 1,130	$ 111,799	$ 45,683	$ 723,544	$ 963,055
2038	$ 911,967	$ 24,127	$ 48,253	$ 5,067	$ 882,774	$ 897,370	$ 6,307	$ 8,486	$ -	$ 63,956	$ 107,941	$ 1,103	$ 109,044	$ 41,593	$ 765,137	$ 938,929
2039	$ 882,774	$ 24,127	$ 48,253	$ 5,067	$ 853,581	$ 868,177	$ 5,937	$ 8,209	$ -	$ 61,875	$ 105,215	$ 1,075	$ 106,290	$ 37,845	$ 802,982	$ 914,802
2040	$ 853,581	$ 24,127	$ 48,253	$ 5,067	$ 824,387	$ 838,984	$ 5,567	$ 7,933	$ -	$ 59,794	$ 102,488	$ 1,047	$ 103,535	$ 34,412	$ 837,393	$ 890,675
2041	$ 824,387	$ 24,127	$ 48,253	$ 5,067	$ 795,194	$ 809,791	$ 5,197	$ 7,657	$ -	$ 57,714	$ 99,761	$ 1,019	$ 100,781	$ 31,268	$ 868,661	$ 866,549
2042	$ 795,194	$ 24,127	$ 48,253	$ 5,067	$ 766,001	$ 780,597	$ 4,827	$ 7,381	$ -	$ 55,633	$ 97,035	$ 991	$ 98,026	$ 28,390	$ 897,051	$ 842,422
2043	$ 766,001	$ 24,127	$ 48,253	$ 5,067	$ 736,808	$ 751,404	$ 4,457	$ 7,105	$ -	$ 53,553	$ 94,308	$ 963	$ 95,271	$ 25,756	$ 922,807	$ 818,295
2044	$ 736,808	$ 24,127	$ 48,253	$ 5,067	$ 707,614	$ 722,211	$ 4,087	$ 6,829	$ -	$ 51,472	$ 91,581	$ 936	$ 92,517	$ 23,348	$ 946,154	$ 794,169
2045	$ 707,614	$ 24,127	$ 48,253	$ 5,067	$ 678,421	$ 693,018	$ 3,717	$ 6,553	$ -	$ 49,391	$ 88,855	$ 908	$ 89,762	$ 21,145	$ 967,300	$ 770,042
2046	$ 678,421	$ 24,127	$ 48,253	$ 5,067	$ 649,228	$ 663,825	$ 3,347	$ 6,277	$ -	$ 47,311	$ 86,128	$ 880	$ 87,008	$ 19,133	$ 986,433	$ 745,915
2047	$ 649,228	$ 24,127	$ 48,253	$ 5,067	$ 620,035	$ 634,631	$ 2,977	$ 6,001	$ -	$ 45,230	$ 83,401	$ 852	$ 84,253	$ 17,295	$ 1,003,727	$ 721,789
2048	$ 620,035	$ 24,127	$ 48,253	$ 5,067	$ 590,841	$ 605,438	$ 2,607	$ 5,725	$ -	$ 43,150	$ 80,675	$ 824	$ 81,499	$ 15,616	$ 1,019,344	$ 697,662
2049	$ 590,841	$ 24,127	$ 48,253	$ 5,067	$ 561,648	$ 576,245	$ 2,237	$ 5,449	$ -	$ 41,069	$ 77,948	$ 796	$ 78,744	$ 14,085	$ 1,033,428	$ 673,536
2050	$ 561,648	$ 24,127	$ 48,253	$ 5,067	$ 532,455	$ 547,052	$ 1,867	$ 5,173	$ -	$ 38,988	$ 75,221	$ 768	$ 75,990	$ 12,688	$ 1,046,116	$ 649,409
2051	$ 532,455	$ 24,127	$ 48,253	$ 5,067	$ 503,262	$ 517,858	$ 1,497	$ 4,897	$ -	$ 36,908	$ 72,495	$ 741	$ 73,235	$ 11,414	$ 1,057,530	$ 625,282
2052	$ 503,262	$ 24,127	$ 44,232	$ 4,222	$ 474,913	$ 489,087	$ 1,977	$ 4,625	$ -	$ 34,857	$ 69,808	$ 713	$ 70,521	$ 10,260	$ 1,067,790	$ 601,156
2053	$ 474,913	$ 24,127	$ -	$ (5,067)	$ 455,853	$ 465,383	$ 10,965	$ 4,401	$ -	$ 33,168	$ 67,594	$ 690	$ 68,284	$ 9,274	$ 1,077,064	$ 577,029
2054	$ 455,853	$ 24,127	$ -	$ (5,067)	$ 436,793	$ 446,323	$ 10,723	$ 4,220	$ -	$ 31,809	$ 65,813	$ 672	$ 66,486	$ 8,429	$ 1,085,493	$ 552,902
2055	$ 436,793	$ 24,127	$ -	$ (5,067)	$ 417,733	$ 427,263	$ 10,482	$ 4,040	$ -	$ 30,451	$ 64,033	$ 654	$ 64,687	$ 7,655	$ 1,093,148	$ 528,776
2056	$ 417,733	$ 24,127	$ -	$ (5,067)	$ 398,673	$ 408,203	$ 10,240	$ 3,860	$ -	$ 29,093	$ 62,253	$ 636	$ 62,889	$ 6,947	$ 1,100,095	$ 504,649
2057	$ 398,673	$ 24,127	$ -	$ (5,067)	$ 379,613	$ 389,143	$ 9,999	$ 3,680	$ -	$ 27,734	$ 60,473	$ 618	$ 61,090	$ 6,300	$ 1,106,395	$ 480,522
2058	$ 379,613	$ 24,127	$ -	$ (5,067)	$ 360,553	$ 370,083	$ 9,757	$ 3,499	$ -	$ 26,376	$ 58,693	$ 600	$ 59,292	$ 5,707	$ 1,112,102	$ 456,396
2059	$ 360,553	$ 24,127	$ -	$ (5,067)	$ 341,493	$ 351,023	$ 9,516	$ 3,319	$ -	$ 25,017	$ 56,912	$ 581	$ 57,494	$ 5,166	$ 1,117,268	$ 432,269
2060	$ 341,493	$ 24,127	$ -	$ (5,067)	$ 322,433	$ 331,963	$ 9,274	$ 3,139	$ -	$ 23,659	$ 55,132	$ 563	$ 55,695	$ 4,672	$ 1,121,939	$ 408,142
2061	$ 322,433	$ 24,127	$ -	$ (5,067)	$ 303,372	$ 312,902	$ 9,032	$ 2,959	$ -	$ 22,301	$ 53,352	$ 545	$ 53,897	$ 4,220	$ 1,126,159	$ 384,016
2062	$ 303,372	$ 24,127	$ -	$ (5,067)	$ 284,312	$ 293,842	$ 8,791	$ 2,779	$ -	$ 20,942	$ 51,572	$ 527	$ 52,098	$ 3,808	$ 1,129,967	$ 359,889
2063	$ 284,312	$ 24,127	$ -	$ (5,067)	$ 265,252	$ 274,782	$ 8,549	$ 2,598	$ -	$ 19,584	$ 49,791	$ 509	$ 50,300	$ 3,432	$ 1,133,399	$ 335,762
2064	$ 265,252	$ 24,127	$ -	$ (5,067)	$ 246,192	$ 255,722	$ 8,308	$ 2,418	$ -	$ 18,225	$ 48,011	$ 490	$ 48,502	$ 3,089	$ 1,136,488	$ 311,636
2065	$ 246,192	$ 24,127	$ -	$ (5,067)	$ 227,132	$ 236,662	$ 8,066	$ 2,238	$ -	$ 16,867	$ 46,231	$ 472	$ 46,703	$ 2,776	$ 1,139,264	$ 287,509
2066	$ 227,132	$ 24,127	$ -	$ (5,067)	$ 208,072	$ 217,602	$ 7,825	$ 2,058	$ -	$ 15,509	$ 44,451	$ 454	$ 44,905	$ 2,492	$ 1,141,756	$ 263,383
2067	$ 208,072	$ 24,127	$ -	$ (5,067)	$ 189,012	$ 198,542	$ 7,583	$ 1,877	$ -	$ 14,150	$ 42,671	$ 436	$ 43,106	$ 2,233	$ 1,143,989	$ 239,256
2068	$ 189,012	$ 24,127	$ -	$ (5,067)	$ 169,952	$ 179,482	$ 7,341	$ 1,697	$ -	$ 12,792	$ 40,890	$ 418	$ 41,308	$ 1,997	$ 1,145,986	$ 215,129
2069	$ 169,952	$ 24,127	$ -	$ (5,067)	$ 150,892	$ 160,422	$ 7,100	$ 1,517	$ -	$ 11,433	$ 39,110	$ 400	$ 39,510	$ 1,783	$ 1,147,770	$ 191,003
2070	$ 150,892	$ 24,127	$ -	$ (5,067)	$ 131,832	$ 141,362	$ 6,858	$ 1,337	$ -	$ 10,075	$ 37,330	$ 381	$ 37,711	$ 1,589	$ 1,149,359	$ 166,876
2071	$ 131,832	$ 24,127	$ -	$ (5,067)	$ 112,772	$ 122,302	$ 6,617	$ 1,156	$ -	$ 8,716	$ 35,550	$ 363	$ 35,913	$ 1,413	$ 1,150,771	$ 142,749
2072	$ 112,772	$ 24,127	$ -	$ (5,067)	$ 93,712	$ 103,242	$ 6,375	$ 976	$ -	$ 7,358	$ 33,769	$ 345	$ 34,114	$ 1,253	$ 1,152,024	$ 118,623
2073	$ 93,712	$ 24,127	$ -	$ (5,067)	$ 74,652	$ 84,182	$ 6,134	$ 796	$ -	$ 6,000	$ 31,989	$ 327	$ 32,316	$ 1,108	$ 1,153,131	$ 94,496
2074	$ 74,652	$ 24,127	$ -	$ (5,067)	$ 55,592	$ 65,122	$ 5,892	$ 616	$ -	$ 4,641	$ 30,209	$ 309	$ 30,518	$ 976	$ 1,154,108	$ 70,369
2075	$ 55,592	$ 24,127	$ -	$ (5,067)	$ 36,532	$ 46,062	$ 5,650	$ 436	$ -	$ 3,283	$ 28,429	$ 290	$ 28,719	$ 858	$ 1,154,966	$ 46,243
2076	$ 36,532	$ 24,127	$ -	$ (5,067)	$ 17,472	$ 27,002	$ 5,409	$ 255	$ -	$ 1,924	$ 26,649	$ 272	$ 26,921	$ 750	$ 1,155,716	$ 22,116
2077	$ 17,472	$ 22,116	$ -	$ (4,644)	$ (0)	$ 8,736	$ 4,755	$ 83	$ -	$ 623	$ 22,932	$ 234	$ 23,166	$ 603	$ 1,156,319	$ (0)

GBWC 2021 INTEGRATED RESOURCE PLAN
Pahrump Division - CVM Consolidation Alt A
Appendix L.P.2.1

CVM Pipeline Alt A	$	2,931,446
Total PWRR	$	2,931,446

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - CVM Consolidation Alt A
Appendix L.P.2.2

PWRR $ 2,931,446

INPUTS

Annual O&M Increase/(Decrease)	$ -
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2026
Plant In Service Year	2027
Plant In Service Month	12
Useful Life	50
GDS Tax Life	25
Property Taxes & Ins.	0.764%
Mill Tax & Bad Debt	2.671%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2026				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ 23,123	$ 24,488	$ 2,836	$ 27,324
3rd Qtr	$ 69,370	$ 73,943	$ 7,246	$ 81,190
4th Qtr	$ 69,370	$ 74,425	$ 5,967	$ 80,392
2027				
1st Qtr	$ 633,964	$ 684,594	$ 42,692	$ 727,286
2nd Qtr	$ 633,964	$ 689,053	$ 30,693	$ 719,747
3rd Qtr	$ 633,964	$ 693,542	$ 18,536	$ 712,078
4th Qtr	$ 633,964	$ 698,060	$ 6,219	$ 704,279
2028				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 2,697,720	$ 2,938,106	$ 114,189	$ 3,052,296

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2027	$ 3,052,296	$ 5,087	$ 10,174	$ 1,068	$ 3,046,140	$ 3,049,218	$ 2,152	$ 1,943	$ -	$ 18,110	$ 28,360	$ 778	$ 29,138	$ 23,701	$ 23,701	$ 3,047,209
2028	$ 3,046,140	$ 61,046	$ 122,092	$ 12,820	$ 2,972,275	$ 3,009,208	$ 25,320	$ 23,005	$ -	$ 214,466	$ 336,657	$ 9,237	$ 345,894	$ 262,632	$ 286,333	$ 2,986,163
2029	$ 2,972,275	$ 61,046	$ 122,092	$ 12,820	$ 2,898,409	$ 2,935,342	$ 24,384	$ 22,440	$ -	$ 209,202	$ 329,892	$ 9,052	$ 338,943	$ 240,233	$ 526,566	$ 2,925,117
2030	$ 2,898,409	$ 61,046	$ 122,092	$ 12,820	$ 2,824,544	$ 2,861,476	$ 23,448	$ 21,875	$ -	$ 203,937	$ 323,126	$ 8,866	$ 331,992	$ 219,652	$ 746,217	$ 2,864,071
2031	$ 2,824,544	$ 61,046	$ 122,092	$ 12,820	$ 2,750,678	$ 2,787,611	$ 22,512	$ 21,311	$ -	$ 198,673	$ 316,361	$ 8,680	$ 325,041	$ 200,746	$ 946,963	$ 2,803,025
2032	$ 2,750,678	$ 61,046	$ 122,092	$ 12,820	$ 2,676,812	$ 2,713,745	$ 21,576	$ 20,746	$ -	$ 193,409	$ 309,596	$ 8,495	$ 318,091	$ 183,383	$ 1,130,346	$ 2,741,979
2033	$ 2,676,812	$ 61,046	$ 122,092	$ 12,820	$ 2,602,947	$ 2,639,880	$ 20,639	$ 20,181	$ -	$ 188,144	$ 302,830	$ 8,309	$ 311,140	$ 167,442	$ 1,297,788	$ 2,680,933
2034	$ 2,602,947	$ 61,046	$ 122,092	$ 12,820	$ 2,529,081	$ 2,566,014	$ 19,703	$ 19,617	$ -	$ 182,880	$ 296,065	$ 8,124	$ 304,189	$ 152,811	$ 1,450,599	$ 2,619,887
2035	$ 2,529,081	$ 61,046	$ 122,092	$ 12,820	$ 2,455,216	$ 2,492,149	$ 18,767	$ 19,052	$ -	$ 177,615	$ 289,300	$ 7,938	$ 297,238	$ 139,385	$ 1,589,984	$ 2,558,841
2036	$ 2,455,216	$ 61,046	$ 122,092	$ 12,820	$ 2,381,350	$ 2,418,283	$ 17,831	$ 18,487	$ -	$ 172,351	$ 282,535	$ 7,752	$ 290,287	$ 127,069	$ 1,717,053	$ 2,497,795
2037	$ 2,381,350	$ 61,046	$ 122,092	$ 12,820	$ 2,307,485	$ 2,344,417	$ 16,895	$ 17,923	$ -	$ 167,087	$ 275,769	$ 7,567	$ 283,336	$ 115,775	$ 1,832,828	$ 2,436,749
2038	$ 2,307,485	$ 61,046	$ 122,092	$ 12,820	$ 2,233,619	$ 2,270,552	$ 15,958	$ 17,358	$ -	$ 161,822	$ 269,004	$ 7,381	$ 276,385	$ 105,422	$ 1,938,250	$ 2,375,704
2039	$ 2,233,619	$ 61,046	$ 122,092	$ 12,820	$ 2,159,754	$ 2,196,686	$ 15,022	$ 16,793	$ -	$ 156,558	$ 262,239	$ 7,195	$ 269,434	$ 95,933	$ 2,034,183	$ 2,314,658
2040	$ 2,159,754	$ 61,046	$ 122,092	$ 12,820	$ 2,085,888	$ 2,122,821	$ 14,086	$ 16,228	$ -	$ 151,293	$ 255,473	$ 7,010	$ 262,483	$ 87,241	$ 2,121,423	$ 2,253,612
2041	$ 2,085,888	$ 61,046	$ 122,092	$ 12,820	$ 2,012,022	$ 2,048,955	$ 13,150	$ 15,664	$ -	$ 146,029	$ 248,708	$ 6,824	$ 255,532	$ 79,280	$ 2,200,703	$ 2,192,566
2042	$ 2,012,022	$ 61,046	$ 122,092	$ 12,820	$ 1,938,157	$ 1,975,090	$ 12,213	$ 15,099	$ -	$ 140,765	$ 241,943	$ 6,639	$ 248,581	$ 71,993	$ 2,272,696	$ 2,131,520
2043	$ 1,938,157	$ 61,046	$ 122,092	$ 12,820	$ 1,864,291	$ 1,901,224	$ 11,277	$ 14,534	$ -	$ 135,500	$ 235,178	$ 6,453	$ 241,630	$ 65,324	$ 2,338,020	$ 2,070,474
2044	$ 1,864,291	$ 61,046	$ 122,092	$ 12,820	$ 1,790,426	$ 1,827,359	$ 10,341	$ 13,970	$ -	$ 130,236	$ 228,412	$ 6,267	$ 234,680	$ 59,224	$ 2,397,244	$ 2,009,428
2045	$ 1,790,426	$ 61,046	$ 122,092	$ 12,820	$ 1,716,560	$ 1,753,493	$ 9,405	$ 13,405	$ -	$ 124,971	$ 221,647	$ 6,082	$ 227,729	$ 53,646	$ 2,450,890	$ 1,948,382
2046	$ 1,716,560	$ 61,046	$ 122,092	$ 12,820	$ 1,642,695	$ 1,679,627	$ 8,469	$ 12,840	$ -	$ 119,707	$ 214,882	$ 5,896	$ 220,778	$ 48,549	$ 2,499,439	$ 1,887,336
2047	$ 1,642,695	$ 61,046	$ 122,092	$ 12,820	$ 1,568,829	$ 1,605,762	$ 7,532	$ 12,276	$ -	$ 114,443	$ 208,116	$ 5,710	$ 213,827	$ 43,892	$ 2,543,331	$ 1,826,290
2048	$ 1,568,829	$ 61,046	$ 122,092	$ 12,820	$ 1,494,964	$ 1,531,896	$ 6,596	$ 11,711	$ -	$ 109,178	$ 201,351	$ 5,525	$ 206,876	$ 39,640	$ 2,582,971	$ 1,765,244
2049	$ 1,494,964	$ 61,046	$ 122,092	$ 12,820	$ 1,421,098	$ 1,458,031	$ 5,660	$ 11,146	$ -	$ 103,914	$ 194,586	$ 5,339	$ 199,925	$ 35,760	$ 2,618,731	$ 1,704,198
2050	$ 1,421,098	$ 61,046	$ 122,092	$ 12,820	$ 1,347,232	$ 1,384,165	$ 4,724	$ 10,582	$ -	$ 98,649	$ 187,821	$ 5,154	$ 192,974	$ 32,220	$ 2,650,951	$ 1,643,153
2051	$ 1,347,232	$ 61,046	$ 122,092	$ 12,820	$ 1,273,367	$ 1,310,300	$ 3,788	$ 10,017	$ -	$ 93,385	$ 181,055	$ 4,968	$ 186,023	$ 28,993	$ 2,679,944	$ 1,582,107
2052	$ 1,273,367	$ 61,046	$ 111,918	$ 10,683	$ 1,201,638	$ 1,237,502	$ 5,002	$ 9,460	$ -	$ 88,197	$ 174,388	$ 4,785	$ 179,173	$ 26,068	$ 2,706,011	$ 1,521,061
2053	$ 1,201,638	$ 61,046	$ -	$ (12,820)	$ 1,153,412	$ 1,177,525	$ 27,744	$ 9,002	$ -	$ 83,922	$ 168,894	$ 4,634	$ 173,529	$ 23,567	$ 2,729,578	$ 1,460,015
2054	$ 1,153,412	$ 61,046	$ -	$ (12,820)	$ 1,105,185	$ 1,129,299	$ 27,133	$ 8,633	$ -	$ 80,485	$ 164,477	$ 4,513	$ 168,990	$ 21,424	$ 2,751,002	$ 1,398,969
2055	$ 1,105,185	$ 61,046	$ -	$ (12,820)	$ 1,056,959	$ 1,081,072	$ 26,522	$ 8,265	$ -	$ 77,048	$ 160,060	$ 4,392	$ 164,452	$ 19,461	$ 2,770,463	$ 1,337,923
2056	$ 1,056,959	$ 61,046	$ -	$ (12,820)	$ 1,008,733	$ 1,032,846	$ 25,910	$ 7,896	$ -	$ 73,611	$ 155,643	$ 4,271	$ 159,914	$ 17,665	$ 2,788,129	$ 1,276,877
2057	$ 1,008,733	$ 61,046	$ -	$ (12,820)	$ 960,507	$ 984,620	$ 25,299	$ 7,527	$ -	$ 70,174	$ 151,226	$ 4,149	$ 155,376	$ 16,022	$ 2,804,151	$ 1,215,831
2058	$ 960,507	$ 61,046	$ -	$ (12,820)	$ 912,280	$ 936,393	$ 24,688	$ 7,159	$ -	$ 66,737	$ 146,809	$ 4,028	$ 150,838	$ 14,519	$ 2,818,670	$ 1,154,785
2059	$ 912,280	$ 61,046	$ -	$ (12,820)	$ 864,054	$ 888,167	$ 24,077	$ 6,790	$ -	$ 63,300	$ 142,392	$ 3,907	$ 146,299	$ 13,146	$ 2,831,816	$ 1,093,739
2060	$ 864,054	$ 61,046	$ -	$ (12,820)	$ 815,828	$ 839,941	$ 23,465	$ 6,421	$ -	$ 59,863	$ 137,975	$ 3,786	$ 141,761	$ 11,890	$ 2,843,706	$ 1,032,693
2061	$ 815,828	$ 61,046	$ -	$ (12,820)	$ 767,602	$ 791,715	$ 22,854	$ 6,052	$ -	$ 56,426	$ 133,558	$ 3,665	$ 137,223	$ 10,744	$ 2,854,450	$ 971,647
2062	$ 767,602	$ 61,046	$ -	$ (12,820)	$ 719,375	$ 743,488	$ 22,243	$ 5,684	$ -	$ 52,988	$ 129,141	$ 3,543	$ 132,685	$ 9,698	$ 2,864,148	$ 910,602
2063	$ 719,375	$ 61,046	$ -	$ (12,820)	$ 671,149	$ 695,262	$ 21,632	$ 5,315	$ -	$ 49,551	$ 124,724	$ 3,422	$ 128,147	$ 8,743	$ 2,872,890	$ 849,556
2064	$ 671,149	$ 61,046	$ -	$ (12,820)	$ 622,923	$ 647,036	$ 21,020	$ 4,946	$ -	$ 46,114	$ 120,307	$ 3,301	$ 123,608	$ 7,872	$ 2,880,762	$ 788,510
2065	$ 622,923	$ 61,046	$ -	$ (12,820)	$ 574,696	$ 598,810	$ 20,409	$ 4,578	$ -	$ 42,677	$ 115,890	$ 3,180	$ 119,070	$ 7,079	$ 2,887,841	$ 727,464
2066	$ 574,696	$ 61,046	$ -	$ (12,820)	$ 526,470	$ 550,583	$ 19,798	$ 4,209	$ -	$ 39,240	$ 111,473	$ 3,059	$ 114,532	$ 6,356	$ 2,894,197	$ 666,418
2067	$ 526,470	$ 61,046	$ -	$ (12,820)	$ 478,244	$ 502,357	$ 19,187	$ 3,840	$ -	$ 35,803	$ 107,056	$ 2,937	$ 109,994	$ 5,698	$ 2,899,895	$ 605,372
2068	$ 478,244	$ 61,046	$ -	$ (12,820)	$ 430,018	$ 454,131	$ 18,575	$ 3,472	$ -	$ 32,366	$ 102,639	$ 2,816	$ 105,456	$ 5,099	$ 2,904,994	$ 544,326
2069	$ 430,018	$ 61,046	$ -	$ (12,820)	$ 381,791	$ 405,904	$ 17,964	$ 3,103	$ -	$ 28,929	$ 98,222	$ 2,695	$ 100,917	$ 4,555	$ 2,909,549	$ 483,280
2070	$ 381,791	$ 61,046	$ -	$ (12,820)	$ 333,565	$ 357,678	$ 17,353	$ 2,734	$ -	$ 25,492	$ 93,805	$ 2,574	$ 96,379	$ 4,061	$ 2,913,610	$ 422,234
2071	$ 333,565	$ 61,046	$ -	$ (12,820)	$ 285,339	$ 309,452	$ 16,742	$ 2,366	$ -	$ 22,055	$ 89,388	$ 2,453	$ 91,841	$ 3,612	$ 2,917,223	$ 361,188
2072	$ 285,339	$ 61,046	$ -	$ (12,820)	$ 237,113	$ 261,226	$ 16,131	$ 1,997	$ -	$ 18,618	$ 84,971	$ 2,331	$ 87,303	$ 3,205	$ 2,920,428	$ 300,142
2073	$ 237,113	$ 61,046	$ -	$ (12,820)	$ 188,886	$ 212,999	$ 15,519	$ 1,628	$ -	$ 15,180	$ 80,554	$ 2,210	$ 82,765	$ 2,837	$ 2,923,265	$ 239,096
2074	$ 188,886	$ 61,046	$ -	$ (12,820)	$ 140,660	$ 164,773	$ 14,908	$ 1,260	$ -	$ 11,743	$ 76,137	$ 2,089	$ 78,226	$ 2,503	$ 2,925,767	$ 178,051
2075	$ 140,660	$ 61,046	$ -	$ (12,820)	$ 92,434	$ 116,547	$ 14,297	$ 891	$ -	$ 8,306	$ 71,720	$ 1,968	$ 73,688	$ 2,201	$ 2,927,968	$ 117,005
2076	$ 92,434	$ 61,046	$ -	$ (12,820)	$ 44,207	$ 68,321	$ 13,686	$ 522	$ -	$ 4,869	$ 67,303	$ 1,847	$ 69,150	$ 1,928	$ 2,929,896	$ 55,959
2077	$ 44,207	$ 55,959	$ -	$ (11,751)	$ (0)	$ 22,104	$ 12,031	$ 169	$ -	$ 1,575	$ 57,983	$ 1,591	$ 59,574	$ 1,550	$ 2,931,446	$ (0)

GBWC 2021 INTEGRATED RESOURCE PLAN
Pahrump Division - Influent Pre EQ Building Alt A
Appendix L.P.4.1

Influent Pre EQ Building Alt A	$	2,445,414
Total PWRR	$	2,445,414

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - Influent Pre EQ Building Alt A
Appendix L.P.4.2

PWRR $ 2,445,414

INPUTS

		Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -	2026				
Rate of Return	7.127%	1st Qtr	$ 546,168	$ 574,665	$ 35,837	$ 610,502
WA Cost of Debt	2.359%	2nd Qtr	$ 546,168	$ 578,409	$ 25,764	$ 604,173
Discount Rate	7.127%	3rd Qtr	$ 546,168	$ 582,177	$ 15,559	$ 597,736
AFUDC Rate	7.127%	4th Qtr	$ 546,168	$ 585,969	$ 5,220	$ 591,189
Escalation (Inflation) Rate	2.60%	2027				
Base Year	2024	1st Qtr	$ -	$ -	$ -	$ -
First Expenditure Year	2026	2nd Qtr	$ -	$ -	$ -	$ -
Plant In Service Year	2026	3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	12	4th Qtr	$ -	$ -	$ -	$ -
Useful Life	28	2028				
GDS Tax Life	25	1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.703%	2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	2.671%	3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%	4th Qtr	$ -	$ -	$ -	$ -
		Total Plant	$ 2,184,671	$ 2,321,219	$ 82,381	$ 2,403,600

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 2,403,600	$ 7,154	$ 8,012	$ 180	$ 2,396,266	$ 2,399,933	$ 2,355	$ 1,407	$ -	$ 14,254	$ 25,349	$ 696	$ 26,044	$ 22,694	$ 22,694	$ 2,396,447
2027	$ 2,396,266	$ 85,843	$ 96,144	$ 2,163	$ 2,308,260	$ 2,352,263	$ 27,650	$ 16,543	$ -	$ 167,646	$ 299,845	$ 8,227	$ 308,073	$ 250,586	$ 273,280	$ 2,310,604
2028	$ 2,308,260	$ 85,843	$ 96,144	$ 2,163	$ 2,220,254	$ 2,264,257	$ 26,535	$ 15,924	$ -	$ 161,374	$ 291,839	$ 8,008	$ 299,846	$ 227,669	$ 500,948	$ 2,224,761
2029	$ 2,220,254	$ 85,843	$ 96,144	$ 2,163	$ 2,132,248	$ 2,176,251	$ 25,420	$ 15,305	$ -	$ 155,101	$ 283,832	$ 7,788	$ 291,620	$ 206,692	$ 707,640	$ 2,138,918
2030	$ 2,132,248	$ 85,843	$ 96,144	$ 2,163	$ 2,044,242	$ 2,088,245	$ 24,304	$ 14,686	$ -	$ 148,829	$ 275,826	$ 7,568	$ 283,394	$ 187,498	$ 895,138	$ 2,053,075
2031	$ 2,044,242	$ 85,843	$ 96,144	$ 2,163	$ 1,956,236	$ 2,000,239	$ 23,189	$ 14,067	$ -	$ 142,557	$ 267,819	$ 7,349	$ 275,168	$ 169,944	$ 1,065,082	$ 1,967,232
2032	$ 1,956,236	$ 85,843	$ 96,144	$ 2,163	$ 1,868,230	$ 1,912,233	$ 22,073	$ 13,448	$ -	$ 136,285	$ 259,813	$ 7,129	$ 266,941	$ 153,895	$ 1,218,977	$ 1,881,390
2033	$ 1,868,230	$ 85,843	$ 96,144	$ 2,163	$ 1,780,224	$ 1,824,227	$ 20,958	$ 12,829	$ -	$ 130,013	$ 251,806	$ 6,909	$ 258,715	$ 139,230	$ 1,358,206	$ 1,795,547
2034	$ 1,780,224	$ 85,843	$ 96,144	$ 2,163	$ 1,692,218	$ 1,736,221	$ 19,842	$ 12,211	$ -	$ 123,740	$ 243,799	$ 6,689	$ 250,489	$ 125,834	$ 1,484,041	$ 1,709,704
2035	$ 1,692,218	$ 85,843	$ 96,144	$ 2,163	$ 1,604,212	$ 1,648,215	$ 18,727	$ 11,592	$ -	$ 117,468	$ 235,793	$ 6,470	$ 242,263	$ 113,605	$ 1,597,646	$ 1,623,861
2036	$ 1,604,212	$ 85,843	$ 96,144	$ 2,163	$ 1,516,205	$ 1,560,208	$ 17,612	$ 10,973	$ -	$ 111,196	$ 227,786	$ 6,250	$ 234,036	$ 102,446	$ 1,700,092	$ 1,538,018
2037	$ 1,516,205	$ 85,843	$ 96,144	$ 2,163	$ 1,428,199	$ 1,472,202	$ 16,496	$ 10,354	$ -	$ 104,924	$ 219,780	$ 6,030	$ 225,810	$ 92,269	$ 1,792,361	$ 1,452,175
2038	$ 1,428,199	$ 85,843	$ 96,144	$ 2,163	$ 1,340,193	$ 1,384,196	$ 15,381	$ 9,735	$ -	$ 98,652	$ 211,773	$ 5,811	$ 217,584	$ 82,993	$ 1,875,355	$ 1,366,332
2039	$ 1,340,193	$ 85,843	$ 96,144	$ 2,163	$ 1,252,187	$ 1,296,190	$ 14,265	$ 9,116	$ -	$ 92,379	$ 203,767	$ 5,591	$ 209,358	$ 74,543	$ 1,949,897	$ 1,280,489
2040	$ 1,252,187	$ 85,843	$ 96,144	$ 2,163	$ 1,164,181	$ 1,208,184	$ 13,150	$ 8,497	$ -	$ 86,107	$ 195,760	$ 5,371	$ 201,132	$ 66,849	$ 2,016,747	$ 1,194,647
2041	$ 1,164,181	$ 85,843	$ 96,144	$ 2,163	$ 1,076,175	$ 1,120,178	$ 12,034	$ 7,878	$ -	$ 79,835	$ 187,754	$ 5,152	$ 192,905	$ 59,850	$ 2,076,596	$ 1,108,804
2042	$ 1,076,175	$ 85,843	$ 96,144	$ 2,163	$ 988,169	$ 1,032,172	$ 10,919	$ 7,259	$ -	$ 73,563	$ 179,747	$ 4,932	$ 184,679	$ 53,486	$ 2,130,082	$ 1,022,961
2043	$ 988,169	$ 85,843	$ 96,144	$ 2,163	$ 900,163	$ 944,166	$ 9,804	$ 6,640	$ -	$ 67,291	$ 171,740	$ 4,712	$ 176,453	$ 47,703	$ 2,177,785	$ 937,118
2044	$ 900,163	$ 85,843	$ 96,144	$ 2,163	$ 812,157	$ 856,160	$ 8,688	$ 6,021	$ -	$ 61,018	$ 163,734	$ 4,493	$ 168,227	$ 42,454	$ 2,220,239	$ 851,275
2045	$ 812,157	$ 85,843	$ 96,144	$ 2,163	$ 724,150	$ 768,153	$ 7,573	$ 5,402	$ -	$ 54,746	$ 155,727	$ 4,273	$ 160,000	$ 37,691	$ 2,257,930	$ 765,432
2046	$ 724,150	$ 85,843	$ 96,144	$ 2,163	$ 636,144	$ 680,147	$ 6,457	$ 4,783	$ -	$ 48,474	$ 147,721	$ 4,053	$ 151,774	$ 33,375	$ 2,291,305	$ 679,589
2047	$ 636,144	$ 85,843	$ 96,144	$ 2,163	$ 548,138	$ 592,141	$ 5,342	$ 4,164	$ -	$ 42,202	$ 139,714	$ 3,834	$ 143,548	$ 29,466	$ 2,320,771	$ 593,747
2048	$ 548,138	$ 85,843	$ 96,144	$ 2,163	$ 460,132	$ 504,135	$ 4,226	$ 3,546	$ -	$ 35,930	$ 131,708	$ 3,614	$ 135,322	$ 25,929	$ 2,346,701	$ 507,904
2049	$ 460,132	$ 85,843	$ 96,144	$ 2,163	$ 372,126	$ 416,129	$ 3,111	$ 2,927	$ -	$ 29,658	$ 123,701	$ 3,394	$ 127,095	$ 22,733	$ 2,369,434	$ 422,061
2050	$ 372,126	$ 85,843	$ 96,144	$ 2,163	$ 284,120	$ 328,123	$ 1,996	$ 2,308	$ -	$ 23,385	$ 115,695	$ 3,174	$ 118,869	$ 19,847	$ 2,389,281	$ 336,218
2051	$ 284,120	$ 85,843	$ 88,132	$ 481	$ 197,796	$ 240,958	$ 2,573	$ 1,695	$ -	$ 17,173	$ 107,765	$ 2,957	$ 110,721	$ 17,257	$ 2,406,537	$ 250,375
2052	$ 197,796	$ 85,843	$ -	$ (18,027)	$ 129,980	$ 163,888	$ 20,104	$ 1,153	$ -	$ 11,680	$ 100,753	$ 2,765	$ 103,517	$ 15,061	$ 2,421,598	$ 164,532
2053	$ 129,980	$ 85,843	$ -	$ (18,027)	$ 62,165	$ 96,072	$ 19,245	$ 676	$ -	$ 6,847	$ 94,583	$ 2,595	$ 97,179	$ 13,198	$ 2,434,796	$ 78,689
2054	$ 62,165	$ 78,689	$ -	$ (16,525)	$ (0)	$ 31,082	$ 16,919	$ 219	$ -	$ 2,215	$ 81,517	$ 2,237	$ 83,754	$ 10,618	$ 2,445,414	$ (0)
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,445,414	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - New Well High Zone
Appendix L.P.1.1

New Well High Zone	$	2,905,494
Total PWRR	$	2,905,494

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - New Well High Zone
Appendix L.P.1.2

PWRR $ 2,905,494

INPUTS

Annual O&M Increase/(Decrease)	$ -
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2025
Plant In Service Year	2026
Plant In Service Month	12
Useful Life	30
GDS Tax Life	25
Property Taxes & Ins.	0.764%
Mill Tax & Bad Debt	2.671%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2025				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ 127,630	$ 131,699	$ 15,253	$ 146,951
3rd Qtr	$ 382,890	$ 397,670	$ 38,970	$ 436,640
4th Qtr	$ 382,890	$ 400,260	$ 32,092	$ 432,353
2026				
1st Qtr	$ 414,797	$ 436,440	$ 27,217	$ 463,657
2nd Qtr	$ 414,797	$ 439,283	$ 19,567	$ 458,850
3rd Qtr	$ 414,797	$ 442,145	$ 11,817	$ 453,962
4th Qtr	$ 414,797	$ 445,025	$ 3,965	$ 448,989
2027				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 2,552,598	$ 2,692,522	$ 148,881	$ 2,841,403

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 2,841,403	$ 7,893	$ 9,471	$ 331	$ 2,833,179	$ 2,837,291	$ 2,665	$ 1,808	$ -	$ 16,851	$ 29,548	$ 811	$ 30,359	$ 26,454	$ 26,454	$ 2,833,510
2027	$ 2,833,179	$ 94,713	$ 113,656	$ 3,978	$ 2,734,487	$ 2,783,833	$ 31,306	$ 21,282	$ -	$ 198,404	$ 349,683	$ 9,595	$ 359,277	$ 292,235	$ 318,689	$ 2,738,797
2028	$ 2,734,487	$ 94,713	$ 113,656	$ 3,978	$ 2,635,796	$ 2,685,142	$ 30,055	$ 20,527	$ -	$ 191,370	$ 340,643	$ 9,347	$ 349,990	$ 265,742	$ 584,431	$ 2,644,083
2029	$ 2,635,796	$ 94,713	$ 113,656	$ 3,978	$ 2,537,105	$ 2,586,450	$ 28,804	$ 19,773	$ -	$ 184,336	$ 331,604	$ 9,099	$ 340,703	$ 241,480	$ 825,911	$ 2,549,370
2030	$ 2,537,105	$ 94,713	$ 113,656	$ 3,978	$ 2,438,413	$ 2,487,759	$ 27,553	$ 19,018	$ -	$ 177,303	$ 322,565	$ 8,851	$ 331,416	$ 219,270	$ 1,045,182	$ 2,454,657
2031	$ 2,438,413	$ 94,713	$ 113,656	$ 3,978	$ 2,339,722	$ 2,389,067	$ 26,302	$ 18,264	$ -	$ 170,269	$ 313,526	$ 8,603	$ 322,129	$ 198,947	$ 1,244,129	$ 2,359,943
2032	$ 2,339,722	$ 94,713	$ 113,656	$ 3,978	$ 2,241,030	$ 2,290,376	$ 25,051	$ 17,509	$ -	$ 163,235	$ 304,487	$ 8,355	$ 312,842	$ 180,357	$ 1,424,486	$ 2,265,230
2033	$ 2,241,030	$ 94,713	$ 113,656	$ 3,978	$ 2,142,339	$ 2,191,685	$ 23,800	$ 16,755	$ -	$ 156,201	$ 295,448	$ 8,107	$ 303,555	$ 163,360	$ 1,587,846	$ 2,170,516
2034	$ 2,142,339	$ 94,713	$ 113,656	$ 3,978	$ 2,043,648	$ 2,092,993	$ 22,550	$ 16,000	$ -	$ 149,168	$ 286,409	$ 7,859	$ 294,268	$ 147,827	$ 1,735,673	$ 2,075,803
2035	$ 2,043,648	$ 94,713	$ 113,656	$ 3,978	$ 1,944,956	$ 1,994,302	$ 21,299	$ 15,246	$ -	$ 142,134	$ 277,370	$ 7,611	$ 284,981	$ 133,637	$ 1,869,310	$ 1,981,089
2036	$ 1,944,956	$ 94,713	$ 113,656	$ 3,978	$ 1,846,265	$ 1,895,610	$ 20,048	$ 14,492	$ -	$ 135,100	$ 268,331	$ 7,363	$ 275,694	$ 120,681	$ 1,989,991	$ 1,886,376
2037	$ 1,846,265	$ 94,713	$ 113,656	$ 3,978	$ 1,747,573	$ 1,796,919	$ 18,797	$ 13,737	$ -	$ 128,066	$ 259,292	$ 7,115	$ 266,406	$ 108,858	$ 2,098,848	$ 1,791,662
2038	$ 1,747,573	$ 94,713	$ 113,656	$ 3,978	$ 1,648,882	$ 1,698,228	$ 17,546	$ 12,983	$ -	$ 121,033	$ 250,253	$ 6,867	$ 257,119	$ 98,073	$ 2,196,921	$ 1,696,949
2039	$ 1,648,882	$ 94,713	$ 113,656	$ 3,978	$ 1,550,191	$ 1,599,536	$ 16,295	$ 12,228	$ -	$ 113,999	$ 241,214	$ 6,619	$ 247,832	$ 88,242	$ 2,285,163	$ 1,602,236
2040	$ 1,550,191	$ 94,713	$ 113,656	$ 3,978	$ 1,451,499	$ 1,500,845	$ 15,044	$ 11,474	$ -	$ 106,965	$ 232,175	$ 6,371	$ 238,545	$ 79,284	$ 2,364,448	$ 1,507,522
2041	$ 1,451,499	$ 94,713	$ 113,656	$ 3,978	$ 1,352,808	$ 1,402,153	$ 13,794	$ 10,719	$ -	$ 99,931	$ 223,136	$ 6,123	$ 229,258	$ 71,128	$ 2,435,576	$ 1,412,809
2042	$ 1,352,808	$ 94,713	$ 113,656	$ 3,978	$ 1,254,116	$ 1,303,462	$ 12,543	$ 9,965	$ -	$ 92,898	$ 214,096	$ 5,874	$ 219,971	$ 63,707	$ 2,499,282	$ 1,318,095
2043	$ 1,254,116	$ 94,713	$ 113,656	$ 3,978	$ 1,155,425	$ 1,204,771	$ 11,292	$ 9,210	$ -	$ 85,864	$ 205,057	$ 5,626	$ 210,684	$ 56,958	$ 2,556,240	$ 1,223,382
2044	$ 1,155,425	$ 94,713	$ 113,656	$ 3,978	$ 1,056,734	$ 1,106,079	$ 10,041	$ 8,456	$ -	$ 78,830	$ 196,018	$ 5,378	$ 201,397	$ 50,825	$ 2,607,065	$ 1,128,668
2045	$ 1,056,734	$ 94,713	$ 113,656	$ 3,978	$ 958,042	$ 1,007,388	$ 8,790	$ 7,701	$ -	$ 71,797	$ 186,979	$ 5,130	$ 192,110	$ 45,256	$ 2,652,320	$ 1,033,955
2046	$ 958,042	$ 94,713	$ 113,656	$ 3,978	$ 859,351	$ 908,696	$ 7,539	$ 6,947	$ -	$ 64,763	$ 177,940	$ 4,882	$ 182,823	$ 40,203	$ 2,692,523	$ 939,242
2047	$ 859,351	$ 94,713	$ 113,656	$ 3,978	$ 760,659	$ 810,005	$ 6,288	$ 6,192	$ -	$ 57,729	$ 168,901	$ 4,634	$ 173,536	$ 35,622	$ 2,728,144	$ 844,528
2048	$ 760,659	$ 94,713	$ 113,656	$ 3,978	$ 661,968	$ 711,314	$ 5,038	$ 5,438	$ -	$ 50,695	$ 159,862	$ 4,386	$ 164,248	$ 31,472	$ 2,759,616	$ 749,815
2049	$ 661,968	$ 94,713	$ 113,656	$ 3,978	$ 563,277	$ 612,622	$ 3,787	$ 4,683	$ -	$ 43,662	$ 150,823	$ 4,138	$ 154,961	$ 27,717	$ 2,787,334	$ 655,101
2050	$ 563,277	$ 94,713	$ 113,656	$ 3,978	$ 464,585	$ 513,931	$ 2,536	$ 3,929	$ -	$ 36,628	$ 141,784	$ 3,890	$ 145,674	$ 24,323	$ 2,811,656	$ 560,388
2051	$ 464,585	$ 94,713	$ 104,185	$ 1,989	$ 367,883	$ 416,234	$ 3,287	$ 3,182	$ -	$ 29,665	$ 132,836	$ 3,645	$ 136,481	$ 21,272	$ 2,832,928	$ 465,674
2052	$ 367,883	$ 94,713	$ -	$ (19,890)	$ 293,059	$ 330,471	$ 2,526	$ 2,526	$ -	$ 23,553	$ 124,981	$ 3,429	$ 128,410	$ 18,682	$ 2,851,610	$ 370,961
2053	$ 293,059	$ 94,713	$ -	$ (19,890)	$ 218,236	$ 255,647	$ 23,130	$ 1,954	$ -	$ 18,220	$ 118,128	$ 3,241	$ 121,369	$ 16,483	$ 2,868,093	$ 276,248
2054	$ 218,236	$ 94,713	$ -	$ (19,890)	$ 143,412	$ 180,824	$ 22,182	$ 1,382	$ -	$ 12,887	$ 111,275	$ 3,053	$ 114,328	$ 14,494	$ 2,882,587	$ 181,534
2055	$ 143,412	$ 94,713	$ -	$ (19,890)	$ 68,588	$ 106,000	$ 21,233	$ 810	$ -	$ 7,555	$ 104,422	$ 2,865	$ 107,287	$ 12,696	$ 2,895,283	$ 86,821
2056	$ 68,588	$ 86,821	$ -	$ (18,232)	$ (0)	$ 34,294	$ 18,667	$ 262	$ -	$ 2,444	$ 89,962	$ 2,468	$ 92,430	$ 10,210	$ 2,905,494	$ (0)
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,905,494	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - Sand Filter Rehab Project
Appendix L.P.5.1

Sand Filter Rehab Project	$	1,244,975
Total PWRR	$	1,244,975

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - Sand Filter Rehab Project
Appendix L.P.S.2

PWRR **$ 1,244,975**

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2025				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ 77,625	$ 80,100	$ 6,422	$ 86,522
Discount Rate	7.127%		3rd Qtr	$ 232,875	$ 241,865	$ 15,083	$ 256,948
AFUDC Rate	7.127%		4th Qtr	$ 232,875	$ 243,440	$ 10,844	$ 254,284
Escalation (Inflation) Rate	2.60%		2026				
Base Year	2024		1st Qtr	$ 271,688	$ 285,864	$ 7,640	$ 293,504
First Expenditure Year	2025		2nd Qtr	$ 271,688	$ 287,726	$ 2,563	$ 290,289
Plant In Service Year	2026		3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	6		4th Qtr	$ -	$ -	$ -	$ -
Useful Life	28		2027				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.703%		2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	2.671%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 1,086,752	$ 1,138,995	$ 42,552	$ 1,181,548

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 1,181,548	$ 24,616	$ 27,569	$ 620	$ 1,156,312	$ 1,168,930	$ 8,022	$ 4,796	$ -	$ 48,597	$ 86,651	$ 2,378	$ 89,028	$ 77,577	$ 77,577	$ 1,156,932
2027	$ 1,156,312	$ 42,198	$ 47,262	$ 1,063	$ 1,113,050	$ 1,134,681	$ 13,318	$ 7,980	$ -	$ 80,869	$ 145,428	$ 3,990	$ 149,419	$ 121,537	$ 199,113	$ 1,114,734
2028	$ 1,113,050	$ 42,198	$ 47,262	$ 1,063	$ 1,069,789	$ 1,091,419	$ 12,770	$ 7,676	$ -	$ 77,785	$ 141,492	$ 3,882	$ 145,375	$ 110,381	$ 309,494	$ 1,072,536
2029	$ 1,069,789	$ 42,198	$ 47,262	$ 1,063	$ 1,026,527	$ 1,048,158	$ 12,221	$ 7,372	$ -	$ 74,702	$ 137,557	$ 3,774	$ 141,331	$ 100,171	$ 409,665	$ 1,030,338
2030	$ 1,026,527	$ 42,198	$ 47,262	$ 1,063	$ 983,266	$ 1,004,896	$ 11,673	$ 7,067	$ -	$ 71,619	$ 133,621	$ 3,666	$ 137,287	$ 90,831	$ 500,497	$ 988,140
2031	$ 983,266	$ 42,198	$ 47,262	$ 1,063	$ 940,004	$ 961,635	$ 11,125	$ 6,763	$ -	$ 68,536	$ 129,685	$ 3,558	$ 133,243	$ 82,291	$ 582,788	$ 945,941
2032	$ 940,004	$ 42,198	$ 47,262	$ 1,063	$ 896,743	$ 918,373	$ 10,576	$ 6,459	$ -	$ 65,452	$ 125,749	$ 3,450	$ 129,200	$ 74,485	$ 657,273	$ 903,743
2033	$ 896,743	$ 42,198	$ 47,262	$ 1,063	$ 853,481	$ 875,112	$ 10,028	$ 6,155	$ -	$ 62,369	$ 121,813	$ 3,342	$ 125,156	$ 67,354	$ 724,627	$ 861,545
2034	$ 853,481	$ 42,198	$ 47,262	$ 1,063	$ 810,220	$ 831,850	$ 9,480	$ 5,850	$ -	$ 59,286	$ 117,878	$ 3,234	$ 121,112	$ 60,841	$ 785,468	$ 819,347
2035	$ 810,220	$ 42,198	$ 47,262	$ 1,063	$ 766,958	$ 788,589	$ 8,932	$ 5,546	$ -	$ 56,203	$ 113,942	$ 3,126	$ 117,068	$ 54,897	$ 840,365	$ 777,149
2036	$ 766,958	$ 42,198	$ 47,262	$ 1,063	$ 723,697	$ 745,327	$ 8,383	$ 5,242	$ -	$ 53,119	$ 110,006	$ 3,018	$ 113,024	$ 49,475	$ 889,840	$ 734,951
2037	$ 723,697	$ 42,198	$ 47,262	$ 1,063	$ 680,435	$ 702,066	$ 7,835	$ 4,938	$ -	$ 50,036	$ 106,070	$ 2,910	$ 108,981	$ 44,531	$ 934,371	$ 692,753
2038	$ 680,435	$ 42,198	$ 47,262	$ 1,063	$ 637,173	$ 658,804	$ 7,287	$ 4,633	$ -	$ 46,953	$ 102,134	$ 2,802	$ 104,937	$ 40,026	$ 974,397	$ 650,554
2039	$ 637,173	$ 42,198	$ 47,262	$ 1,063	$ 593,912	$ 615,543	$ 6,738	$ 4,329	$ -	$ 43,870	$ 98,199	$ 2,694	$ 100,893	$ 35,923	$ 1,010,320	$ 608,356
2040	$ 593,912	$ 42,198	$ 47,262	$ 1,063	$ 550,650	$ 572,281	$ 6,190	$ 4,025	$ -	$ 40,786	$ 94,263	$ 2,586	$ 96,849	$ 32,189	$ 1,042,510	$ 566,158
2041	$ 550,650	$ 42,198	$ 47,262	$ 1,063	$ 507,389	$ 529,020	$ 5,642	$ 3,721	$ -	$ 37,703	$ 90,327	$ 2,478	$ 92,805	$ 28,793	$ 1,071,303	$ 523,960
2042	$ 507,389	$ 42,198	$ 47,262	$ 1,063	$ 464,127	$ 485,758	$ 5,093	$ 3,416	$ -	$ 34,620	$ 86,391	$ 2,370	$ 88,762	$ 25,707	$ 1,097,010	$ 481,762
2043	$ 464,127	$ 42,198	$ 47,262	$ 1,063	$ 420,866	$ 442,497	$ 4,545	$ 3,112	$ -	$ 31,537	$ 82,455	$ 2,262	$ 84,718	$ 22,903	$ 1,119,913	$ 439,564
2044	$ 420,866	$ 42,198	$ 47,262	$ 1,063	$ 377,604	$ 399,235	$ 3,997	$ 2,808	$ -	$ 28,453	$ 78,519	$ 2,154	$ 80,674	$ 20,359	$ 1,140,272	$ 397,366
2045	$ 377,604	$ 42,198	$ 47,262	$ 1,063	$ 334,343	$ 355,974	$ 3,448	$ 2,504	$ -	$ 25,370	$ 74,584	$ 2,046	$ 76,630	$ 18,052	$ 1,158,323	$ 355,168
2046	$ 334,343	$ 42,198	$ 47,262	$ 1,063	$ 291,081	$ 312,712	$ 2,900	$ 2,199	$ -	$ 22,287	$ 70,648	$ 1,938	$ 72,586	$ 15,962	$ 1,174,285	$ 312,969
2047	$ 291,081	$ 42,198	$ 47,262	$ 1,063	$ 247,820	$ 269,451	$ 2,352	$ 1,895	$ -	$ 19,204	$ 66,712	$ 1,830	$ 68,542	$ 14,070	$ 1,188,355	$ 270,771
2048	$ 247,820	$ 42,198	$ 47,262	$ 1,063	$ 204,558	$ 226,189	$ 1,803	$ 1,591	$ -	$ 16,120	$ 62,776	$ 1,722	$ 64,499	$ 12,359	$ 1,200,714	$ 228,573
2049	$ 204,558	$ 42,198	$ 47,262	$ 1,063	$ 161,297	$ 182,927	$ 1,255	$ 1,286	$ -	$ 13,037	$ 58,840	$ 1,614	$ 60,455	$ 10,813	$ 1,211,527	$ 186,375
2050	$ 161,297	$ 42,198	$ 47,262	$ 1,063	$ 118,035	$ 139,666	$ 707	$ 982	$ -	$ 9,954	$ 54,905	$ 1,507	$ 56,411	$ 9,419	$ 1,220,946	$ 144,177
2051	$ 118,035	$ 42,198	$ 19,692	$ (4,726)	$ 80,563	$ 99,299	$ 5,985	$ 698	$ -	$ 7,077	$ 51,232	$ 1,406	$ 52,638	$ 8,204	$ 1,229,150	$ 101,979
2052	$ 80,563	$ 42,198	$ -	$ (8,862)	$ 47,227	$ 63,895	$ 9,671	$ 449	$ -	$ 4,554	$ 48,011	$ 1,317	$ 49,328	$ 7,177	$ 1,236,326	$ 59,781
2053	$ 47,227	$ 42,198	$ -	$ (8,862)	$ 13,890	$ 30,558	$ 9,249	$ 215	$ -	$ 2,178	$ 44,978	$ 1,234	$ 46,212	$ 6,276	$ 1,242,602	$ 17,583
2054	$ 13,890	$ 17,583	$ -	$ (3,692)	$ 0	$ 6,945	$ 3,780	$ 49	$ -	$ 495	$ 18,214	$ 500	$ 18,714	$ 2,372	$ 1,244,975	$ (0)
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,244,975	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - CVM Pipeline Alt B
Appendix L.P.3.1

CVM Pipeline Alt B	$	4,430,824
Total PWRR	$	4,430,824

GBWC 2024 INTEGRATED RESOURCE PLAN
Pahrump Division - CVM Pipeline Alt B
Appendix L.P.3.2

PWRR $ 4,430,824

INPUTS

		Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -	2026				
Rate of Return	7.127%	1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%	2nd Qtr	$ 34,950	$ 37,014	$ 4,287	$ 41,300
Discount Rate	7.127%	3rd Qtr	$ 104,851	$ 111,764	$ 10,952	$ 122,717
AFUDC Rate	7.127%	4th Qtr	$ 104,851	$ 112,492	$ 9,019	$ 121,512
Escalation (Inflation) Rate	2.60%	2027				
Base Year	2024	1st Qtr	$ 958,225	$ 1,034,751	$ 64,528	$ 1,099,279
First Expenditure Year	2026	2nd Qtr	$ 958,225	$ 1,041,491	$ 46,392	$ 1,087,883
Plant In Service Year	2027	3rd Qtr	$ 958,225	$ 1,048,276	$ 28,016	$ 1,076,292
Plant In Service Month	12	4th Qtr	$ 958,225	$ 1,055,104	$ 9,400	$ 1,064,504
Useful Life	50	2028				
GDS Tax Life	25	1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.764%	2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	2.671%	3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%	4th Qtr	$ -	$ -	$ -	$ -
		Total Plant	$ 4,077,552	$ 4,440,891	$ 172,595	$ 4,613,486

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2027	$ 4,613,486	$ 7,689	$ 15,378	$ 1,615	$ 4,604,183	$ 4,608,834	$ 3,253	$ 2,936	$ -	$ 27,373	$ 42,866	$ 1,176	$ 44,042	$ 35,824	$ 35,824	$ 4,605,797
2028	$ 4,604,183	$ 92,270	$ 184,539	$ 19,377	$ 4,492,536	$ 4,548,359	$ 38,271	$ 34,771	$ -	$ 324,162	$ 508,850	$ 13,962	$ 522,812	$ 396,963	$ 432,787	$ 4,513,528
2029	$ 4,492,536	$ 92,270	$ 184,539	$ 19,377	$ 4,380,890	$ 4,436,713	$ 36,856	$ 33,918	$ -	$ 316,205	$ 498,625	$ 13,682	$ 512,306	$ 363,107	$ 795,894	$ 4,421,258
2030	$ 4,380,890	$ 92,270	$ 184,539	$ 19,377	$ 4,269,243	$ 4,325,067	$ 35,441	$ 33,064	$ -	$ 308,247	$ 488,399	$ 13,401	$ 501,800	$ 331,999	$ 1,127,893	$ 4,328,988
2031	$ 4,269,243	$ 92,270	$ 184,539	$ 19,377	$ 4,157,597	$ 4,213,420	$ 34,026	$ 32,211	$ -	$ 300,290	$ 478,174	$ 13,120	$ 491,294	$ 303,423	$ 1,431,317	$ 4,236,718
2032	$ 4,157,597	$ 92,270	$ 184,539	$ 19,377	$ 4,045,951	$ 4,101,774	$ 32,611	$ 31,357	$ -	$ 292,333	$ 467,948	$ 12,840	$ 480,788	$ 277,180	$ 1,708,497	$ 4,144,449
2033	$ 4,045,951	$ 92,270	$ 184,539	$ 19,377	$ 3,934,304	$ 3,990,128	$ 31,196	$ 30,504	$ -	$ 284,376	$ 457,722	$ 12,559	$ 470,282	$ 253,088	$ 1,961,582	$ 4,052,179
2034	$ 3,934,304	$ 92,270	$ 184,539	$ 19,377	$ 3,822,658	$ 3,878,481	$ 29,781	$ 29,650	$ -	$ 276,419	$ 447,497	$ 12,279	$ 459,775	$ 230,970	$ 2,192,553	$ 3,959,909
2035	$ 3,822,658	$ 92,270	$ 184,539	$ 19,377	$ 3,711,012	$ 3,766,835	$ 28,366	$ 28,797	$ -	$ 268,462	$ 437,271	$ 11,998	$ 449,269	$ 210,678	$ 2,403,230	$ 3,867,639
2036	$ 3,711,012	$ 92,270	$ 184,539	$ 19,377	$ 3,599,365	$ 3,655,188	$ 26,951	$ 27,943	$ -	$ 260,505	$ 427,046	$ 11,718	$ 438,763	$ 192,063	$ 2,595,293	$ 3,775,370
2037	$ 3,599,365	$ 92,270	$ 184,539	$ 19,377	$ 3,487,719	$ 3,543,542	$ 25,536	$ 27,090	$ -	$ 252,548	$ 416,820	$ 11,437	$ 428,257	$ 174,992	$ 2,770,285	$ 3,683,100
2038	$ 3,487,719	$ 92,270	$ 184,539	$ 19,377	$ 3,376,072	$ 3,431,896	$ 24,121	$ 26,236	$ -	$ 244,591	$ 406,594	$ 11,156	$ 417,751	$ 159,343	$ 2,929,627	$ 3,590,830
2039	$ 3,376,072	$ 92,270	$ 184,539	$ 19,377	$ 3,264,426	$ 3,320,249	$ 22,706	$ 25,383	$ -	$ 236,634	$ 396,369	$ 10,876	$ 407,245	$ 145,001	$ 3,074,628	$ 3,498,561
2040	$ 3,264,426	$ 92,270	$ 184,539	$ 19,377	$ 3,152,780	$ 3,208,603	$ 21,291	$ 24,529	$ -	$ 228,677	$ 386,143	$ 10,595	$ 396,738	$ 131,862	$ 3,206,491	$ 3,406,291
2041	$ 3,152,780	$ 92,270	$ 184,539	$ 19,377	$ 3,041,133	$ 3,096,957	$ 19,876	$ 23,676	$ -	$ 220,720	$ 375,918	$ 10,315	$ 386,232	$ 119,830	$ 3,326,321	$ 3,314,021
2042	$ 3,041,133	$ 92,270	$ 184,539	$ 19,377	$ 2,929,487	$ 2,985,310	$ 18,460	$ 22,822	$ -	$ 212,763	$ 365,692	$ 10,034	$ 375,726	$ 108,815	$ 3,435,136	$ 3,221,751
2043	$ 2,929,487	$ 92,270	$ 184,539	$ 19,377	$ 2,817,841	$ 2,873,664	$ 17,045	$ 21,969	$ -	$ 204,806	$ 355,466	$ 9,753	$ 365,220	$ 98,736	$ 3,533,872	$ 3,129,482
2044	$ 2,817,841	$ 92,270	$ 184,539	$ 19,377	$ 2,706,194	$ 2,762,017	$ 15,630	$ 21,115	$ -	$ 196,849	$ 345,241	$ 9,473	$ 354,714	$ 89,516	$ 3,623,388	$ 3,037,212
2045	$ 2,706,194	$ 92,270	$ 184,539	$ 19,377	$ 2,594,548	$ 2,650,371	$ 14,215	$ 20,262	$ -	$ 188,892	$ 335,015	$ 9,192	$ 344,207	$ 81,085	$ 3,704,473	$ 2,944,942
2046	$ 2,594,548	$ 92,270	$ 184,539	$ 19,377	$ 2,482,902	$ 2,538,725	$ 12,800	$ 19,408	$ -	$ 180,935	$ 324,790	$ 8,912	$ 333,701	$ 73,381	$ 3,777,854	$ 2,852,672
2047	$ 2,482,902	$ 92,270	$ 184,539	$ 19,377	$ 2,371,255	$ 2,427,078	$ 11,385	$ 18,554	$ -	$ 172,978	$ 314,564	$ 8,631	$ 323,195	$ 66,342	$ 3,844,196	$ 2,760,403
2048	$ 2,371,255	$ 92,270	$ 184,539	$ 19,377	$ 2,259,609	$ 2,315,432	$ 9,970	$ 17,701	$ -	$ 165,021	$ 304,338	$ 8,351	$ 312,689	$ 59,915	$ 3,904,111	$ 2,668,133
2049	$ 2,259,609	$ 92,270	$ 184,539	$ 19,377	$ 2,147,962	$ 2,203,786	$ 8,555	$ 16,847	$ -	$ 157,064	$ 294,113	$ 8,070	$ 302,183	$ 54,050	$ 3,958,161	$ 2,575,863
2050	$ 2,147,962	$ 92,270	$ 184,539	$ 19,377	$ 2,036,316	$ 2,092,139	$ 7,140	$ 15,994	$ -	$ 149,107	$ 283,887	$ 7,789	$ 291,677	$ 48,700	$ 4,006,861	$ 2,483,594
2051	$ 2,036,316	$ 92,270	$ 184,539	$ 19,377	$ 1,924,670	$ 1,980,493	$ 5,725	$ 15,140	$ -	$ 141,150	$ 273,662	$ 7,509	$ 281,170	$ 43,823	$ 4,050,684	$ 2,391,324
2052	$ 1,924,670	$ 92,270	$ 169,161	$ 16,147	$ 1,816,253	$ 1,870,461	$ 7,560	$ 14,299	$ -	$ 133,308	$ 263,584	$ 7,232	$ 270,816	$ 39,401	$ 4,090,084	$ 2,299,054
2053	$ 1,816,253	$ 92,270	$ -	$ (19,377)	$ 1,743,360	$ 1,779,806	$ 41,935	$ 13,606	$ -	$ 126,847	$ 255,281	$ 7,005	$ 262,285	$ 35,621	$ 4,125,705	$ 2,206,784
2054	$ 1,743,360	$ 92,270	$ -	$ (19,377)	$ 1,670,467	$ 1,706,913	$ 41,011	$ 13,049	$ -	$ 121,652	$ 248,605	$ 6,821	$ 255,426	$ 32,381	$ 4,158,087	$ 2,114,515
2055	$ 1,670,467	$ 92,270	$ -	$ (19,377)	$ 1,597,573	$ 1,634,020	$ 40,087	$ 12,492	$ -	$ 116,457	$ 241,928	$ 6,638	$ 248,566	$ 29,415	$ 4,187,502	$ 2,022,245
2056	$ 1,597,573	$ 92,270	$ -	$ (19,377)	$ 1,524,680	$ 1,561,127	$ 39,163	$ 11,934	$ -	$ 111,262	$ 235,252	$ 6,455	$ 241,707	$ 26,701	$ 4,214,203	$ 1,929,975
2057	$ 1,524,680	$ 92,270	$ -	$ (19,377)	$ 1,451,787	$ 1,488,234	$ 38,239	$ 11,377	$ -	$ 106,066	$ 228,576	$ 6,272	$ 234,848	$ 24,217	$ 4,238,420	$ 1,837,705
2058	$ 1,451,787	$ 92,270	$ -	$ (19,377)	$ 1,378,894	$ 1,415,341	$ 37,315	$ 10,820	$ -	$ 100,871	$ 221,900	$ 6,089	$ 227,988	$ 21,946	$ 4,260,366	$ 1,745,436
2059	$ 1,378,894	$ 92,270	$ -	$ (19,377)	$ 1,306,001	$ 1,342,448	$ 36,391	$ 10,263	$ -	$ 95,676	$ 215,223	$ 5,905	$ 221,129	$ 19,869	$ 4,280,235	$ 1,653,166
2060	$ 1,306,001	$ 92,270	$ -	$ (19,377)	$ 1,233,108	$ 1,269,555	$ 35,468	$ 9,705	$ -	$ 90,481	$ 208,547	$ 5,722	$ 214,269	$ 17,972	$ 4,298,207	$ 1,560,896
2061	$ 1,233,108	$ 92,270	$ -	$ (19,377)	$ 1,160,215	$ 1,196,661	$ 34,544	$ 9,148	$ -	$ 85,286	$ 201,871	$ 5,539	$ 207,410	$ 16,239	$ 4,314,446	$ 1,468,627
2062	$ 1,160,215	$ 92,270	$ -	$ (19,377)	$ 1,087,322	$ 1,123,768	$ 33,620	$ 8,591	$ -	$ 80,091	$ 195,195	$ 5,356	$ 200,551	$ 14,658	$ 4,329,104	$ 1,376,357
2063	$ 1,087,322	$ 92,270	$ -	$ (19,377)	$ 1,014,429	$ 1,050,875	$ 32,696	$ 8,034	$ -	$ 74,896	$ 188,519	$ 5,173	$ 193,691	$ 13,215	$ 4,342,319	$ 1,284,087
2064	$ 1,014,429	$ 92,270	$ -	$ (19,377)	$ 941,536	$ 977,982	$ 31,772	$ 7,476	$ -	$ 69,701	$ 181,842	$ 4,989	$ 186,832	$ 11,899	$ 4,354,217	$ 1,191,817
2065	$ 941,536	$ 92,270	$ -	$ (19,377)	$ 868,643	$ 905,089	$ 30,848	$ 6,919	$ -	$ 64,506	$ 175,166	$ 4,806	$ 179,972	$ 10,699	$ 4,364,916	$ 1,099,548
2066	$ 868,643	$ 92,270	$ -	$ (19,377)	$ 795,750	$ 832,196	$ 29,924	$ 6,362	$ -	$ 59,311	$ 168,490	$ 4,623	$ 173,113	$ 9,607	$ 4,374,523	$ 1,007,278
2067	$ 795,750	$ 92,270	$ -	$ (19,377)	$ 722,856	$ 759,303	$ 29,000	$ 5,805	$ -	$ 54,116	$ 161,814	$ 4,440	$ 166,254	$ 8,612	$ 4,383,135	$ 915,008
2068	$ 722,856	$ 92,270	$ -	$ (19,377)	$ 649,963	$ 686,410	$ 28,076	$ 5,247	$ -	$ 48,920	$ 155,137	$ 4,257	$ 159,394	$ 7,708	$ 4,390,843	$ 822,738
2069	$ 649,963	$ 92,270	$ -	$ (19,377)	$ 577,070	$ 613,517	$ 27,153	$ 4,690	$ -	$ 43,725	$ 148,461	$ 4,074	$ 152,535	$ 6,885	$ 4,397,728	$ 730,469
2070	$ 577,070	$ 92,270	$ -	$ (19,377)	$ 504,177	$ 540,624	$ 26,229	$ 4,133	$ -	$ 38,530	$ 141,785	$ 3,890	$ 145,675	$ 6,138	$ 4,403,866	$ 638,199
2071	$ 504,177	$ 92,270	$ -	$ (19,377)	$ 431,284	$ 467,731	$ 25,305	$ 3,576	$ -	$ 33,335	$ 135,109	$ 3,707	$ 138,816	$ 5,460	$ 4,409,326	$ 545,929
2072	$ 431,284	$ 92,270	$ -	$ (19,377)	$ 358,391	$ 394,838	$ 24,381	$ 3,018	$ -	$ 28,140	$ 128,433	$ 3,524	$ 131,957	$ 4,845	$ 4,414,171	$ 453,659
2073	$ 358,391	$ 92,270	$ -	$ (19,377)	$ 285,498	$ 321,944	$ 23,457	$ 2,461	$ -	$ 22,945	$ 121,756	$ 3,341	$ 125,097	$ 4,287	$ 4,418,458	$ 361,390
2074	$ 285,498	$ 92,270	$ -	$ (19,377)	$ 212,605	$ 249,051	$ 22,533	$ 1,904	$ -	$ 17,750	$ 115,080	$ 3,158	$ 118,238	$ 3,783	$ 4,422,241	$ 269,120
2075	$ 212,605	$ 92,270	$ -	$ (19,377)	$ 139,712	$ 176,158	$ 21,609	$ 1,347	$ -	$ 12,555	$ 108,404	$ 2,974	$ 111,378	$ 3,326	$ 4,425,567	$ 176,850
2076	$ 139,712	$ 92,270	$ -	$ (19,377)	$ 66,819	$ 103,265	$ 20,685	$ 789	$ -	$ 7,360	$ 101,728	$ 2,791	$ 104,519	$ 2,914	$ 4,428,481	$ 84,581
2077	$ 66,819	$ 84,581	$ -	$ (17,762)	$ (0)	$ 33,409	$ 18,185	$ 255	$ -	$ 2,381	$ 87,641	$ 2,405	$ 90,045	$ 2,343	$ 4,430,824	$ 0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spanish Springs Division - AMI Meter Replacement Project
Appendix L.SS.2.1

AMI Meter Replacement Project	$	375,551
Total PWRR	$	375,551

GBWC 2024 INTEGRATED RESOURCE PLAN
Spanish Springs Division - AMI Meter Replacement Project
Appendix L.SS.2.2

PWRR $ 375,551

INPUTS

Annual O&M Increase/(Decrease)	$ 5,000
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2025
Plant In Service Year	2027
Plant In Service Month	12
Useful Life	20
GDS Tax Life	25
Property Taxes & Ins.	1.291%
Mill Tax & Bad Debt	0.521%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2025				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ 14,286	$ 14,741	$ 2,758	$ 17,499
3rd Qtr	$ 42,857	$ 44,512	$ 7,534	$ 52,046
4th Qtr	$ 42,857	$ 44,801	$ 6,785	$ 51,587
2026				
1st Qtr	$ 22,875	$ 24,069	$ 3,216	$ 27,285
2nd Qtr	$ 22,875	$ 24,225	$ 2,806	$ 27,031
3rd Qtr	$ 22,875	$ 24,383	$ 2,389	$ 26,773
4th Qtr	$ 22,875	$ 24,542	$ 1,968	$ 26,510
2027				
1st Qtr	$ 22,875	$ 24,702	$ 1,540	$ 26,242
2nd Qtr	$ 22,875	$ 24,863	$ 1,107	$ 25,970
3rd Qtr	$ 22,875	$ 25,025	$ 669	$ 25,694
4th Qtr	$ 22,875	$ 25,188	$ 224	$ 25,412
Total Plant	$ 283,000	$ 301,050	$ 30,998	$ 332,048

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2027	$ 332,048	$ 1,384	$ 1,107	$ (58)	$ 330,722	$ 331,385	$ 408	$ 357	$ 450	$ 1,968	$ 4,508	$ 24	$ 4,532	$ 3,686	$ 3,686	$ 330,664
2028	$ 330,722	$ 16,602	$ 13,282	$ (697)	$ 314,817	$ 322,770	$ 4,788	$ 4,168	$ 5,541	$ 23,004	$ 53,406	$ 280	$ 53,686	$ 44,449	$ 48,135	$ 314,062
2029	$ 314,817	$ 16,602	$ 13,282	$ (697)	$ 298,912	$ 306,865	$ 4,587	$ 3,963	$ 5,685	$ 21,870	$ 52,010	$ 272	$ 52,282	$ 37,056	$ 85,191	$ 297,459
2030	$ 298,912	$ 16,602	$ 13,282	$ (697)	$ 283,007	$ 290,960	$ 4,385	$ 3,758	$ 5,832	$ 20,737	$ 50,617	$ 265	$ 50,882	$ 33,664	$ 118,855	$ 280,857
2031	$ 283,007	$ 16,602	$ 13,282	$ (697)	$ 267,102	$ 275,055	$ 4,183	$ 3,552	$ 5,984	$ 19,603	$ 49,228	$ 258	$ 49,486	$ 30,562	$ 149,417	$ 264,255
2032	$ 267,102	$ 16,602	$ 13,282	$ (697)	$ 251,197	$ 259,149	$ 3,982	$ 3,347	$ 6,140	$ 18,470	$ 47,843	$ 250	$ 48,093	$ 27,776	$ 177,193	$ 247,652
2033	$ 251,197	$ 16,602	$ 13,282	$ (697)	$ 235,292	$ 243,244	$ 3,780	$ 3,141	$ 6,299	$ 17,336	$ 46,462	$ 243	$ 46,705	$ 25,135	$ 202,328	$ 231,050
2034	$ 235,292	$ 16,602	$ 13,282	$ (697)	$ 219,387	$ 227,339	$ 3,579	$ 2,936	$ 6,463	$ 16,202	$ 45,085	$ 236	$ 45,321	$ 22,767	$ 225,095	$ 214,447
2035	$ 219,387	$ 16,602	$ 13,282	$ (697)	$ 203,482	$ 211,434	$ 3,377	$ 2,731	$ 6,631	$ 15,069	$ 43,713	$ 229	$ 43,942	$ 20,606	$ 245,701	$ 197,845
2036	$ 203,482	$ 16,602	$ 13,282	$ (697)	$ 187,577	$ 195,529	$ 3,176	$ 2,525	$ 6,804	$ 13,935	$ 42,345	$ 222	$ 42,566	$ 18,633	$ 264,334	$ 181,243
2037	$ 187,577	$ 16,602	$ 13,282	$ (697)	$ 171,671	$ 179,624	$ 2,974	$ 2,320	$ 6,980	$ 12,802	$ 40,981	$ 215	$ 41,196	$ 16,833	$ 281,167	$ 164,640
2038	$ 171,671	$ 16,602	$ 13,282	$ (697)	$ 155,766	$ 163,719	$ 2,772	$ 2,114	$ 7,162	$ 11,668	$ 39,622	$ 207	$ 39,829	$ 15,192	$ 296,359	$ 148,038
2039	$ 155,766	$ 16,602	$ 13,282	$ (697)	$ 139,861	$ 147,814	$ 2,571	$ 1,909	$ 7,348	$ 10,535	$ 38,268	$ 200	$ 38,468	$ 13,697	$ 310,056	$ 131,436
2040	$ 139,861	$ 16,602	$ 13,282	$ (697)	$ 123,956	$ 131,909	$ 2,369	$ 1,704	$ 7,539	$ 9,401	$ 36,918	$ 193	$ 37,111	$ 12,335	$ 322,391	$ 114,833
2041	$ 123,956	$ 16,602	$ 13,282	$ (697)	$ 108,051	$ 116,004	$ 2,168	$ 1,498	$ 7,735	$ 8,268	$ 35,574	$ 186	$ 35,760	$ 11,095	$ 333,486	$ 98,231
2042	$ 108,051	$ 16,602	$ 13,282	$ (697)	$ 92,146	$ 100,099	$ 1,966	$ 1,293	$ 7,936	$ 7,134	$ 34,234	$ 179	$ 34,413	$ 9,967	$ 343,453	$ 81,628
2043	$ 92,146	$ 16,602	$ 13,282	$ (697)	$ 76,241	$ 84,193	$ 1,764	$ 1,087	$ 8,143	$ 6,000	$ 32,900	$ 172	$ 33,072	$ 8,941	$ 352,394	$ 65,026
2044	$ 76,241	$ 16,602	$ 13,282	$ (697)	$ 60,336	$ 68,288	$ 1,563	$ 882	$ 8,354	$ 4,867	$ 31,571	$ 165	$ 31,736	$ 8,009	$ 360,403	$ 48,424
2045	$ 60,336	$ 16,602	$ 13,282	$ (697)	$ 44,431	$ 52,383	$ 1,361	$ 676	$ 8,572	$ 3,733	$ 30,248	$ 158	$ 30,406	$ 7,163	$ 367,566	$ 31,821
2046	$ 44,431	$ 16,602	$ 13,282	$ (697)	$ 28,526	$ 36,478	$ 1,160	$ 471	$ 8,795	$ 2,600	$ 28,930	$ 151	$ 29,082	$ 6,395	$ 373,961	$ 15,219
2047	$ 28,526	$ 15,219	$ 13,282	$ (407)	$ 13,714	$ 21,120	$ 674	$ 273	$ 9,023	$ 1,505	$ 26,288	$ 138	$ 26,425	$ 5,424	$ 379,385	$ 0
2048	$ -	$ -	$ 13,282	$ 2,789	$ (2,789)	$ (1,395)	$ (2,807)	$ -	$ -	$ (99)	$ (117)	$ (1)	$ (118)	$ (23)	$ 379,362	$ 0
2049	$ -	$ -	$ 13,282	$ 2,789	$ (2,789)	$ (1,395)	$ (2,807)	$ -	$ -	$ (99)	$ (117)	$ (1)	$ (118)	$ (21)	$ 379,340	$ 0
2050	$ -	$ -	$ 13,282	$ 2,789	$ (2,789)	$ (1,395)	$ (2,807)	$ -	$ -	$ (99)	$ (117)	$ (1)	$ (118)	$ (20)	$ 379,320	$ 0
2051	$ -	$ -	$ 13,282	$ 2,789	$ (2,789)	$ (1,395)	$ (2,807)	$ -	$ -	$ (99)	$ (117)	$ (1)	$ (118)	$ (18)	$ 379,302	$ 0
2052	$ -	$ -	$ 12,175	$ 2,557	$ (2,557)	$ (1,278)	$ (2,573)	$ -	$ -	$ (91)	$ (107)	$ (1)	$ (108)	$ (16)	$ 379,286	$ 0
2053	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2054	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0
2077	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 379,286	$ 0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spanish Springs Division - Rehab Tank 2
Appendix L.SS.3.1

Rehab Tank 2	$	512,755
Total PWRR	$	512,755

GBWC 2024 INTEGRATED RESOURCE PLAN
Spanish Springs Division - Rehab Tank 2
Appendix L.SS.3.2

PWRR $ 512,755

INPUTS

		Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -	2026				
Rate of Return	7.127%	1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%	2nd Qtr	$ 165,999	$ 175,798	$ 7,831	$ 183,629
Discount Rate	7.127%	3rd Qtr	$ 165,999	$ 176,943	$ 4,729	$ 181,672
AFUDC Rate	7.127%	4th Qtr	$ 110,666	$ 118,731	$ 1,058	$ 119,788
Escalation (Inflation) Rate	2.60%	2027				
Base Year	2024	1st Qtr	$ -	$ -	$ -	$ -
First Expenditure Year	2026	2nd Qtr	$ -	$ -	$ -	$ -
Plant In Service Year	2026	3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	11	4th Qtr	$ -	$ -	$ -	$ -
Useful Life	50	2028				
GDS Tax Life	25	1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	1.291%	2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	0.521%	3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%	4th Qtr	$ -	$ -	$ -	$ -
		Total Plant	$ 442,664	$ 471,472	$ 13,617	$ 485,090

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 485,090	$ 1,617	$ 3,234	$ 340	$ 483,133	$ 484,111	$ 683	$ 1,042	$ -	$ 5,750	$ 9,432	$ 49	$ 9,481	$ 8,262	$ 8,262	$ 483,473
2027	$ 483,133	$ 9,702	$ 19,404	$ 2,037	$ 471,394	$ 477,263	$ 4,012	$ 6,164	$ -	$ 34,015	$ 55,929	$ 293	$ 56,222	$ 45,731	$ 53,992	$ 473,771
2028	$ 471,394	$ 9,702	$ 19,404	$ 2,037	$ 459,655	$ 465,524	$ 3,863	$ 6,012	$ -	$ 33,178	$ 54,792	$ 287	$ 55,079	$ 41,820	$ 95,813	$ 464,069
2029	$ 459,655	$ 9,702	$ 19,404	$ 2,037	$ 447,915	$ 453,785	$ 3,714	$ 5,860	$ -	$ 32,341	$ 53,655	$ 281	$ 53,936	$ 38,228	$ 134,041	$ 454,367
2030	$ 447,915	$ 9,702	$ 19,404	$ 2,037	$ 436,176	$ 442,046	$ 3,565	$ 5,709	$ -	$ 31,505	$ 52,518	$ 275	$ 52,793	$ 34,929	$ 168,969	$ 444,665
2031	$ 436,176	$ 9,702	$ 19,404	$ 2,037	$ 424,437	$ 430,307	$ 3,417	$ 5,557	$ -	$ 30,668	$ 51,381	$ 269	$ 51,650	$ 31,899	$ 200,868	$ 434,964
2032	$ 424,437	$ 9,702	$ 19,404	$ 2,037	$ 412,698	$ 418,568	$ 3,268	$ 5,406	$ -	$ 29,831	$ 50,244	$ 263	$ 50,507	$ 29,118	$ 229,986	$ 425,262
2033	$ 412,698	$ 9,702	$ 19,404	$ 2,037	$ 400,959	$ 406,828	$ 3,119	$ 5,254	$ -	$ 28,995	$ 49,107	$ 257	$ 49,364	$ 26,565	$ 256,552	$ 415,560
2034	$ 400,959	$ 9,702	$ 19,404	$ 2,037	$ 389,220	$ 395,089	$ 2,970	$ 5,102	$ -	$ 28,158	$ 47,970	$ 251	$ 48,221	$ 24,224	$ 280,775	$ 405,858
2035	$ 389,220	$ 9,702	$ 19,404	$ 2,037	$ 377,480	$ 383,350	$ 2,821	$ 4,951	$ -	$ 27,321	$ 46,833	$ 245	$ 47,078	$ 22,076	$ 302,852	$ 396,156
2036	$ 377,480	$ 9,702	$ 19,404	$ 2,037	$ 365,741	$ 371,611	$ 2,673	$ 4,799	$ -	$ 26,485	$ 45,696	$ 239	$ 45,935	$ 20,107	$ 322,959	$ 386,455
2037	$ 365,741	$ 9,702	$ 19,404	$ 2,037	$ 354,002	$ 359,872	$ 2,524	$ 4,648	$ -	$ 25,648	$ 44,559	$ 233	$ 44,792	$ 18,303	$ 341,262	$ 376,753
2038	$ 354,002	$ 9,702	$ 19,404	$ 2,037	$ 342,263	$ 348,133	$ 2,375	$ 4,496	$ -	$ 24,811	$ 43,422	$ 227	$ 43,649	$ 16,649	$ 357,911	$ 367,051
2039	$ 342,263	$ 9,702	$ 19,404	$ 2,037	$ 330,524	$ 336,393	$ 2,226	$ 4,344	$ -	$ 23,975	$ 42,284	$ 221	$ 42,506	$ 15,134	$ 373,045	$ 357,349
2040	$ 330,524	$ 9,702	$ 19,404	$ 2,037	$ 318,785	$ 324,654	$ 2,077	$ 4,193	$ -	$ 23,138	$ 41,147	$ 215	$ 41,363	$ 13,748	$ 386,793	$ 347,647
2041	$ 318,785	$ 9,702	$ 19,404	$ 2,037	$ 307,045	$ 312,915	$ 1,929	$ 4,041	$ -	$ 22,301	$ 40,010	$ 209	$ 40,220	$ 12,478	$ 399,271	$ 337,946
2042	$ 307,045	$ 9,702	$ 19,404	$ 2,037	$ 295,306	$ 301,176	$ 1,780	$ 3,890	$ -	$ 21,465	$ 38,873	$ 203	$ 39,077	$ 11,317	$ 410,588	$ 328,244
2043	$ 295,306	$ 9,702	$ 19,404	$ 2,037	$ 283,567	$ 289,437	$ 1,631	$ 3,738	$ -	$ 20,628	$ 37,736	$ 198	$ 37,934	$ 10,255	$ 420,843	$ 318,542
2044	$ 283,567	$ 9,702	$ 19,404	$ 2,037	$ 271,828	$ 277,698	$ 1,482	$ 3,586	$ -	$ 19,792	$ 36,599	$ 192	$ 36,791	$ 9,285	$ 430,128	$ 308,840
2045	$ 271,828	$ 9,702	$ 19,404	$ 2,037	$ 260,089	$ 265,958	$ 1,333	$ 3,435	$ -	$ 18,955	$ 35,462	$ 186	$ 35,648	$ 8,398	$ 438,526	$ 299,139
2046	$ 260,089	$ 9,702	$ 19,404	$ 2,037	$ 248,350	$ 254,219	$ 1,185	$ 3,283	$ -	$ 18,118	$ 34,325	$ 180	$ 34,505	$ 7,588	$ 446,113	$ 289,437
2047	$ 248,350	$ 9,702	$ 19,404	$ 2,037	$ 236,610	$ 242,480	$ 1,036	$ 3,131	$ -	$ 17,282	$ 33,188	$ 174	$ 33,362	$ 6,848	$ 452,961	$ 279,735
2048	$ 236,610	$ 9,702	$ 19,404	$ 2,037	$ 224,871	$ 230,741	$ 887	$ 2,980	$ -	$ 16,445	$ 32,051	$ 168	$ 32,219	$ 6,174	$ 459,135	$ 270,033
2049	$ 224,871	$ 9,702	$ 19,404	$ 2,037	$ 213,132	$ 219,002	$ 738	$ 2,828	$ -	$ 15,608	$ 30,914	$ 162	$ 31,076	$ 5,558	$ 464,693	$ 260,331
2050	$ 213,132	$ 9,702	$ 19,404	$ 2,037	$ 201,393	$ 207,263	$ 590	$ 2,677	$ -	$ 14,772	$ 29,777	$ 156	$ 29,933	$ 4,998	$ 469,691	$ 250,630
2051	$ 201,393	$ 9,702	$ 16,170	$ 1,358	$ 190,333	$ 195,863	$ 1,124	$ 2,529	$ -	$ 13,959	$ 28,673	$ 150	$ 28,823	$ 4,492	$ 474,183	$ 240,928
2052	$ 190,333	$ 9,702	$ -	$ (2,037)	$ 182,669	$ 186,501	$ 4,401	$ 2,409	$ -	$ 13,292	$ 27,766	$ 145	$ 27,911	$ 4,061	$ 478,244	$ 231,226
2053	$ 182,669	$ 9,702	$ -	$ (2,037)	$ 175,004	$ 178,836	$ 4,304	$ 2,310	$ -	$ 12,746	$ 27,024	$ 141	$ 27,165	$ 3,689	$ 481,933	$ 221,524
2054	$ 175,004	$ 9,702	$ -	$ (2,037)	$ 167,340	$ 171,172	$ 4,207	$ 2,211	$ -	$ 12,199	$ 26,281	$ 138	$ 26,419	$ 3,349	$ 485,283	$ 211,822
2055	$ 167,340	$ 9,702	$ -	$ (2,037)	$ 159,675	$ 163,508	$ 4,110	$ 2,112	$ -	$ 11,653	$ 25,539	$ 134	$ 25,673	$ 3,038	$ 488,321	$ 202,121
2056	$ 159,675	$ 9,702	$ -	$ (2,037)	$ 152,011	$ 155,843	$ 4,013	$ 2,013	$ -	$ 11,107	$ 24,797	$ 130	$ 24,926	$ 2,754	$ 491,074	$ 192,419
2057	$ 152,011	$ 9,702	$ -	$ (2,037)	$ 144,346	$ 148,179	$ 3,915	$ 1,914	$ -	$ 10,561	$ 24,054	$ 126	$ 24,180	$ 2,493	$ 493,568	$ 182,717
2058	$ 144,346	$ 9,702	$ -	$ (2,037)	$ 136,682	$ 140,514	$ 3,818	$ 1,815	$ -	$ 10,014	$ 23,312	$ 122	$ 23,434	$ 2,256	$ 495,823	$ 173,015
2059	$ 136,682	$ 9,702	$ -	$ (2,037)	$ 129,018	$ 132,850	$ 3,721	$ 1,716	$ -	$ 9,468	$ 22,569	$ 118	$ 22,688	$ 2,039	$ 497,862	$ 163,313
2060	$ 129,018	$ 9,702	$ -	$ (2,037)	$ 121,353	$ 125,185	$ 3,624	$ 1,617	$ -	$ 8,922	$ 21,827	$ 114	$ 21,941	$ 1,840	$ 499,702	$ 153,612
2061	$ 121,353	$ 9,702	$ -	$ (2,037)	$ 113,689	$ 117,521	$ 3,527	$ 1,518	$ -	$ 8,376	$ 21,085	$ 110	$ 21,195	$ 1,659	$ 501,362	$ 143,910
2062	$ 113,689	$ 9,702	$ -	$ (2,037)	$ 106,024	$ 109,857	$ 3,430	$ 1,419	$ -	$ 7,829	$ 20,342	$ 106	$ 20,449	$ 1,495	$ 502,856	$ 134,208
2063	$ 106,024	$ 9,702	$ -	$ (2,037)	$ 98,360	$ 102,192	$ 3,333	$ 1,320	$ -	$ 7,283	$ 19,600	$ 103	$ 19,703	$ 1,344	$ 504,201	$ 124,506
2064	$ 98,360	$ 9,702	$ -	$ (2,037)	$ 90,696	$ 94,528	$ 3,235	$ 1,221	$ -	$ 6,737	$ 18,858	$ 99	$ 18,956	$ 1,207	$ 505,408	$ 114,805
2065	$ 90,696	$ 9,702	$ -	$ (2,037)	$ 83,031	$ 86,863	$ 3,138	$ 1,122	$ -	$ 6,191	$ 18,115	$ 95	$ 18,210	$ 1,083	$ 506,490	$ 105,103
2066	$ 83,031	$ 9,702	$ -	$ (2,037)	$ 75,367	$ 79,199	$ 3,041	$ 1,023	$ -	$ 5,645	$ 17,373	$ 91	$ 17,464	$ 969	$ 507,459	$ 95,401
2067	$ 75,367	$ 9,702	$ -	$ (2,037)	$ 67,702	$ 71,535	$ 2,944	$ 924	$ -	$ 5,098	$ 16,631	$ 87	$ 16,718	$ 866	$ 508,325	$ 85,699
2068	$ 67,702	$ 9,702	$ -	$ (2,037)	$ 60,038	$ 63,870	$ 2,847	$ 825	$ -	$ 4,552	$ 15,888	$ 83	$ 15,971	$ 772	$ 509,098	$ 75,997
2069	$ 60,038	$ 9,702	$ -	$ (2,037)	$ 52,373	$ 56,206	$ 2,750	$ 726	$ -	$ 4,006	$ 15,146	$ 79	$ 15,225	$ 687	$ 509,785	$ 66,296
2070	$ 52,373	$ 9,702	$ -	$ (2,037)	$ 44,709	$ 48,541	$ 2,653	$ 627	$ -	$ 3,460	$ 14,403	$ 75	$ 14,479	$ 610	$ 510,395	$ 56,594
2071	$ 44,709	$ 9,702	$ -	$ (2,037)	$ 37,045	$ 40,877	$ 2,555	$ 528	$ -	$ 2,913	$ 13,661	$ 72	$ 13,733	$ 540	$ 510,935	$ 46,892
2072	$ 37,045	$ 9,702	$ -	$ (2,037)	$ 29,380	$ 33,212	$ 2,458	$ 429	$ -	$ 2,367	$ 12,919	$ 68	$ 12,986	$ 477	$ 511,412	$ 37,190
2073	$ 29,380	$ 9,702	$ -	$ (2,037)	$ 21,716	$ 25,548	$ 2,361	$ 330	$ -	$ 1,821	$ 12,176	$ 64	$ 12,240	$ 420	$ 511,832	$ 27,488
2074	$ 21,716	$ 9,702	$ -	$ (2,037)	$ 14,051	$ 17,884	$ 2,264	$ 231	$ -	$ 1,275	$ 11,434	$ 60	$ 11,494	$ 368	$ 512,199	$ 17,787
2075	$ 14,051	$ 9,702	$ -	$ (2,037)	$ 6,387	$ 10,219	$ 2,167	$ 132	$ -	$ 728	$ 10,692	$ 56	$ 10,748	$ 321	$ 512,520	$ 8,085
2076	$ 6,387	$ 8,085	$ -	$ (1,698)	$ (0)	$ 3,194	$ 1,738	$ 41	$ -	$ 228	$ 8,394	$ 44	$ 8,438	$ 235	$ 512,755	$ 0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spanish Springs Division - Rehab Well 2 (Suki)
Appendix L.SS.1.1

Rehab Well 2 (Suki)	$	600,496
Total PWRR	$	600,496

GBWC 2024 INTEGRATED RESOURCE PLAN
Spanish Springs Division - Rehab Well 2 (Suki)
Appendix L.SS.1.2

PWRR $ 600,496

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2025				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ 24,335	$ 25,111	$ 2,013	$ 27,124
Discount Rate	7.127%		3rd Qtr	$ 73,005	$ 75,823	$ 4,728	$ 80,551
AFUDC Rate	7.127%		4th Qtr	$ 73,005	$ 76,317	$ 3,399	$ 79,716
Escalation (Inflation) Rate	2.60%		2026				
Base Year	2024		1st Qtr	$ 172,924	$ 181,947	$ 4,863	$ 186,809
First Expenditure Year	2025		2nd Qtr	$ 172,924	$ 183,132	$ 1,631	$ 184,763
Plant In Service Year	2026		3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	6		4th Qtr	$ -	$ -	$ -	$ -
Useful Life	30		2027				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	1.291%		2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	0.521%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 516,192	$ 542,329	$ 16,635	$ 558,964

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 558,964	$ 10,869	$ 13,042	$ 456	$ 547,639	$ 553,301	$ 3,634	$ 4,168	$ -	$ 23,003	$ 42,131	$ 221	$ 42,351	$ 36,904	$ 36,904	$ 548,095
2027	$ 547,639	$ 18,632	$ 22,359	$ 783	$ 528,224	$ 537,931	$ 6,035	$ 6,947	$ -	$ 38,338	$ 70,736	$ 370	$ 71,106	$ 57,837	$ 94,741	$ 529,463
2028	$ 528,224	$ 18,632	$ 22,359	$ 783	$ 508,809	$ 518,517	$ 5,789	$ 6,696	$ -	$ 36,955	$ 68,855	$ 360	$ 69,215	$ 52,554	$ 147,295	$ 510,831
2029	$ 508,809	$ 18,632	$ 22,359	$ 783	$ 489,395	$ 499,102	$ 5,543	$ 6,446	$ -	$ 35,571	$ 66,975	$ 351	$ 67,325	$ 47,718	$ 195,013	$ 492,199
2030	$ 489,395	$ 18,632	$ 22,359	$ 783	$ 469,980	$ 479,687	$ 5,297	$ 6,195	$ -	$ 34,187	$ 65,094	$ 341	$ 65,435	$ 43,293	$ 238,306	$ 473,567
2031	$ 469,980	$ 18,632	$ 22,359	$ 783	$ 450,565	$ 460,273	$ 5,051	$ 5,944	$ -	$ 32,804	$ 63,214	$ 331	$ 63,544	$ 39,245	$ 277,551	$ 454,935
2032	$ 450,565	$ 18,632	$ 22,359	$ 783	$ 431,151	$ 440,858	$ 4,805	$ 5,693	$ -	$ 31,420	$ 61,333	$ 321	$ 61,654	$ 35,544	$ 313,095	$ 436,302
2033	$ 431,151	$ 18,632	$ 22,359	$ 783	$ 411,736	$ 421,443	$ 4,559	$ 5,443	$ -	$ 30,036	$ 59,453	$ 311	$ 59,764	$ 32,167	$ 345,262	$ 417,670
2034	$ 411,736	$ 18,632	$ 22,359	$ 783	$ 392,321	$ 402,029	$ 4,313	$ 5,192	$ -	$ 28,653	$ 57,572	$ 301	$ 57,874	$ 29,073	$ 374,331	$ 399,038
2035	$ 392,321	$ 18,632	$ 22,359	$ 783	$ 372,907	$ 382,614	$ 4,067	$ 4,941	$ -	$ 27,269	$ 55,692	$ 292	$ 55,983	$ 26,252	$ 400,583	$ 380,406
2036	$ 372,907	$ 18,632	$ 22,359	$ 783	$ 353,492	$ 363,199	$ 3,821	$ 4,691	$ -	$ 25,885	$ 53,811	$ 282	$ 54,093	$ 23,678	$ 424,262	$ 361,774
2037	$ 353,492	$ 18,632	$ 22,359	$ 783	$ 334,077	$ 343,785	$ 3,575	$ 4,440	$ -	$ 24,502	$ 51,931	$ 272	$ 52,203	$ 21,331	$ 445,592	$ 343,142
2038	$ 334,077	$ 18,632	$ 22,359	$ 783	$ 314,663	$ 324,370	$ 3,329	$ 4,189	$ -	$ 23,118	$ 50,050	$ 262	$ 50,312	$ 19,191	$ 464,783	$ 324,510
2039	$ 314,663	$ 18,632	$ 22,359	$ 783	$ 295,248	$ 304,955	$ 3,083	$ 3,938	$ -	$ 21,734	$ 48,170	$ 252	$ 48,422	$ 17,241	$ 482,024	$ 305,878
2040	$ 295,248	$ 18,632	$ 22,359	$ 783	$ 275,833	$ 285,541	$ 2,837	$ 3,688	$ -	$ 20,350	$ 46,289	$ 242	$ 46,532	$ 15,466	$ 497,489	$ 287,245
2041	$ 275,833	$ 18,632	$ 22,359	$ 783	$ 256,419	$ 266,126	$ 2,590	$ 3,437	$ -	$ 18,967	$ 44,409	$ 232	$ 44,641	$ 13,850	$ 511,339	$ 268,613
2042	$ 256,419	$ 18,632	$ 22,359	$ 783	$ 237,004	$ 246,711	$ 2,344	$ 3,186	$ -	$ 17,583	$ 42,528	$ 223	$ 42,751	$ 12,381	$ 523,721	$ 249,981
2043	$ 237,004	$ 18,632	$ 22,359	$ 783	$ 217,589	$ 227,296	$ 2,098	$ 2,935	$ -	$ 16,199	$ 40,648	$ 213	$ 40,861	$ 11,046	$ 534,767	$ 231,349
2044	$ 217,589	$ 18,632	$ 22,359	$ 783	$ 198,174	$ 207,882	$ 1,852	$ 2,685	$ -	$ 14,816	$ 38,767	$ 203	$ 38,970	$ 9,835	$ 544,602	$ 212,717
2045	$ 198,174	$ 18,632	$ 22,359	$ 783	$ 178,760	$ 188,467	$ 1,606	$ 2,434	$ -	$ 13,432	$ 36,887	$ 193	$ 37,080	$ 8,735	$ 553,337	$ 194,085
2046	$ 178,760	$ 18,632	$ 22,359	$ 783	$ 159,345	$ 169,052	$ 1,360	$ 2,183	$ -	$ 12,048	$ 35,006	$ 183	$ 35,190	$ 7,738	$ 561,075	$ 175,453
2047	$ 159,345	$ 18,632	$ 22,359	$ 783	$ 139,930	$ 149,638	$ 1,114	$ 1,932	$ -	$ 10,665	$ 33,126	$ 173	$ 33,299	$ 6,835	$ 567,910	$ 156,820
2048	$ 139,930	$ 18,632	$ 22,359	$ 783	$ 120,516	$ 130,223	$ 868	$ 1,682	$ -	$ 9,281	$ 31,245	$ 164	$ 31,409	$ 6,018	$ 573,928	$ 138,188
2049	$ 120,516	$ 18,632	$ 22,359	$ 783	$ 101,101	$ 110,808	$ 622	$ 1,431	$ -	$ 7,897	$ 29,365	$ 154	$ 29,519	$ 5,280	$ 579,208	$ 119,556
2050	$ 101,101	$ 18,632	$ 22,359	$ 783	$ 81,686	$ 91,394	$ 376	$ 1,180	$ -	$ 6,514	$ 27,484	$ 144	$ 27,628	$ 4,613	$ 583,821	$ 100,924
2051	$ 81,686	$ 18,632	$ 9,316	$ (1,956)	$ 65,011	$ 73,348	$ 2,886	$ 947	$ -	$ 5,228	$ 25,737	$ 135	$ 25,871	$ 4,032	$ 587,854	$ 82,292
2052	$ 65,011	$ 18,632	$ -	$ (3,913)	$ 50,291	$ 57,651	$ 4,643	$ 745	$ -	$ 4,109	$ 24,216	$ 127	$ 24,343	$ 3,542	$ 591,395	$ 63,660
2053	$ 50,291	$ 18,632	$ -	$ (3,913)	$ 35,572	$ 42,932	$ 4,457	$ 554	$ -	$ 3,060	$ 22,790	$ 119	$ 22,910	$ 3,111	$ 594,506	$ 45,028
2054	$ 35,572	$ 18,632	$ -	$ (3,913)	$ 20,852	$ 28,212	$ 4,270	$ 364	$ -	$ 2,011	$ 21,365	$ 112	$ 21,477	$ 2,723	$ 597,229	$ 26,396
2055	$ 20,852	$ 18,632	$ -	$ (3,913)	$ 6,133	$ 13,493	$ 4,084	$ 174	$ -	$ 962	$ 19,939	$ 104	$ 20,043	$ 2,372	$ 599,601	$ 7,763
2056	$ 6,133	$ 7,763	$ -	$ (1,630)	$ 0	$ 3,067	$ 1,669	$ 40	$ -	$ 219	$ 8,060	$ 42	$ 8,103	$ 895	$ 600,496	$ (0)
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 600,496	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - New Well 12
Appendix L.SC.1.1

New Well 12	$	1,654,177
Total PWRR	$	1,654,177

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - New Well 12
Appendix L.SC.1.2

PWRR **$ 1,654,177**

INPUTS

Annual O&M Increase/(Decrease)	$ -
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2026
Plant In Service Year	2027
Plant In Service Month	12
Useful Life	30
GDS Tax Life	25
Property Taxes & Ins.	0.641%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2026				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ 257,087	$ 272,264	$ 31,532	$ 303,795
3rd Qtr	$ 257,087	$ 274,037	$ 26,855	$ 300,892
4th Qtr	$ 257,087	$ 275,822	$ 22,115	$ 297,937
2027				
1st Qtr	$ 192,816	$ 208,214	$ 12,984	$ 221,199
2nd Qtr	$ 192,816	$ 209,571	$ 9,335	$ 218,906
3rd Qtr	$ 192,816	$ 210,936	$ 5,638	$ 216,573
4th Qtr	$ 192,816	$ 212,310	$ 1,891	$ 214,201
2028				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 1,542,524	$ 1,663,153	$ 110,350	$ 1,773,503

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2027	$ 1,773,503	$ 4,926	$ 5,912	$ 207	$ 1,768,370	$ 1,770,936	$ 1,664	$ 947	$ -	$ 10,518	$ 18,261	$ 231	$ 18,493	$ 15,042	$ 15,042	$ 1,768,576
2028	$ 1,768,370	$ 59,117	$ 70,940	$ 2,483	$ 1,706,770	$ 1,737,570	$ 19,540	$ 11,146	$ -	$ 123,837	$ 216,122	$ 2,738	$ 218,861	$ 166,177	$ 181,219	$ 1,709,460
2029	$ 1,706,770	$ 59,117	$ 70,940	$ 2,483	$ 1,645,170	$ 1,675,970	$ 18,759	$ 10,751	$ -	$ 119,446	$ 210,556	$ 2,668	$ 213,224	$ 151,127	$ 332,346	$ 1,650,343
2030	$ 1,645,170	$ 59,117	$ 70,940	$ 2,483	$ 1,583,571	$ 1,614,370	$ 17,978	$ 10,356	$ -	$ 115,056	$ 204,990	$ 2,597	$ 207,587	$ 137,343	$ 469,689	$ 1,591,226
2031	$ 1,583,571	$ 59,117	$ 70,940	$ 2,483	$ 1,521,971	$ 1,552,771	$ 17,198	$ 9,961	$ -	$ 110,666	$ 199,424	$ 2,527	$ 201,951	$ 124,725	$ 594,414	$ 1,532,109
2032	$ 1,521,971	$ 59,117	$ 70,940	$ 2,483	$ 1,460,371	$ 1,491,171	$ 16,417	$ 9,566	$ -	$ 106,276	$ 193,858	$ 2,456	$ 196,314	$ 113,178	$ 707,592	$ 1,472,993
2033	$ 1,460,371	$ 59,117	$ 70,940	$ 2,483	$ 1,398,772	$ 1,429,571	$ 15,636	$ 9,171	$ -	$ 101,886	$ 188,292	$ 2,386	$ 190,678	$ 102,615	$ 810,206	$ 1,413,876
2034	$ 1,398,772	$ 59,117	$ 70,940	$ 2,483	$ 1,337,172	$ 1,367,972	$ 14,855	$ 8,775	$ -	$ 97,495	$ 182,726	$ 2,315	$ 185,041	$ 92,956	$ 903,163	$ 1,354,759
2035	$ 1,337,172	$ 59,117	$ 70,940	$ 2,483	$ 1,275,572	$ 1,306,372	$ 14,075	$ 8,380	$ -	$ 93,105	$ 177,160	$ 2,245	$ 179,404	$ 84,129	$ 987,291	$ 1,295,642
2036	$ 1,275,572	$ 59,117	$ 70,940	$ 2,483	$ 1,213,973	$ 1,244,772	$ 13,294	$ 7,985	$ -	$ 88,715	$ 171,594	$ 2,174	$ 173,768	$ 76,064	$ 1,063,356	$ 1,236,526
2037	$ 1,213,973	$ 59,117	$ 70,940	$ 2,483	$ 1,152,373	$ 1,183,173	$ 12,513	$ 7,590	$ -	$ 84,325	$ 166,027	$ 2,104	$ 168,131	$ 68,701	$ 1,132,057	$ 1,177,409
2038	$ 1,152,373	$ 59,117	$ 70,940	$ 2,483	$ 1,090,773	$ 1,121,573	$ 11,732	$ 7,195	$ -	$ 79,935	$ 160,461	$ 2,033	$ 162,494	$ 61,980	$ 1,194,037	$ 1,118,292
2039	$ 1,090,773	$ 59,117	$ 70,940	$ 2,483	$ 1,029,174	$ 1,059,973	$ 10,952	$ 6,800	$ -	$ 75,544	$ 154,895	$ 1,963	$ 156,858	$ 55,850	$ 1,249,887	$ 1,059,175
2040	$ 1,029,174	$ 59,117	$ 70,940	$ 2,483	$ 967,574	$ 998,374	$ 10,171	$ 6,404	$ -	$ 71,154	$ 149,329	$ 1,892	$ 151,221	$ 50,261	$ 1,300,147	$ 1,000,059
2041	$ 967,574	$ 59,117	$ 70,940	$ 2,483	$ 905,974	$ 936,774	$ 9,390	$ 6,009	$ -	$ 66,764	$ 143,763	$ 1,822	$ 145,585	$ 45,168	$ 1,345,316	$ 940,942
2042	$ 905,974	$ 59,117	$ 70,940	$ 2,483	$ 844,375	$ 875,174	$ 8,609	$ 5,614	$ -	$ 62,374	$ 138,197	$ 1,751	$ 139,948	$ 40,531	$ 1,385,847	$ 881,825
2043	$ 844,375	$ 59,117	$ 70,940	$ 2,483	$ 782,775	$ 813,575	$ 7,829	$ 5,219	$ -	$ 57,983	$ 132,631	$ 1,680	$ 134,311	$ 36,311	$ 1,422,157	$ 822,708
2044	$ 782,775	$ 59,117	$ 70,940	$ 2,483	$ 721,175	$ 751,975	$ 7,048	$ 4,824	$ -	$ 53,593	$ 127,065	$ 1,610	$ 128,675	$ 32,472	$ 1,454,629	$ 763,591
2045	$ 721,175	$ 59,117	$ 70,940	$ 2,483	$ 659,576	$ 690,375	$ 6,267	$ 4,429	$ -	$ 49,203	$ 121,499	$ 1,539	$ 123,038	$ 28,984	$ 1,483,614	$ 704,475
2046	$ 659,576	$ 59,117	$ 70,940	$ 2,483	$ 597,976	$ 628,776	$ 5,486	$ 4,034	$ -	$ 44,813	$ 115,932	$ 1,469	$ 117,401	$ 25,816	$ 1,509,430	$ 645,358
2047	$ 597,976	$ 59,117	$ 70,940	$ 2,483	$ 536,376	$ 567,176	$ 4,706	$ 3,638	$ -	$ 40,423	$ 110,366	$ 1,398	$ 111,765	$ 22,942	$ 1,532,372	$ 586,241
2048	$ 536,376	$ 59,117	$ 70,940	$ 2,483	$ 474,777	$ 505,576	$ 3,925	$ 3,243	$ -	$ 36,032	$ 104,800	$ 1,328	$ 106,128	$ 20,336	$ 1,552,708	$ 527,124
2049	$ 474,777	$ 59,117	$ 70,940	$ 2,483	$ 413,177	$ 443,977	$ 3,144	$ 2,848	$ -	$ 31,642	$ 99,234	$ 1,257	$ 100,492	$ 17,974	$ 1,570,682	$ 468,008
2050	$ 413,177	$ 59,117	$ 70,940	$ 2,483	$ 351,577	$ 382,377	$ 2,364	$ 2,453	$ -	$ 27,252	$ 93,668	$ 1,187	$ 94,855	$ 15,838	$ 1,586,519	$ 408,891
2051	$ 351,577	$ 59,117	$ 70,940	$ 2,483	$ 289,978	$ 320,777	$ 1,583	$ 2,058	$ -	$ 22,862	$ 88,102	$ 1,116	$ 89,218	$ 13,905	$ 1,600,425	$ 349,774
2052	$ 289,978	$ 59,117	$ 65,028	$ 1,241	$ 229,619	$ 259,798	$ 2,051	$ 1,667	$ -	$ 18,516	$ 82,592	$ 1,046	$ 83,638	$ 12,168	$ 1,612,593	$ 290,657
2053	$ 229,619	$ 59,117	$ -	$ (12,415)	$ 182,917	$ 206,268	$ 15,029	$ 1,323	$ -	$ 14,701	$ 77,755	$ 985	$ 78,740	$ 10,694	$ 1,623,287	$ 231,541
2054	$ 182,917	$ 59,117	$ -	$ (12,415)	$ 136,215	$ 159,566	$ 14,437	$ 1,024	$ -	$ 11,372	$ 73,535	$ 932	$ 74,467	$ 9,440	$ 1,632,727	$ 172,424
2055	$ 136,215	$ 59,117	$ -	$ (12,415)	$ 89,513	$ 112,864	$ 13,845	$ 724	$ -	$ 8,044	$ 69,315	$ 878	$ 70,193	$ 8,307	$ 1,641,034	$ 113,307
2056	$ 89,513	$ 59,117	$ -	$ (12,415)	$ 42,810	$ 66,162	$ 13,253	$ 424	$ -	$ 4,715	$ 65,095	$ 825	$ 65,920	$ 7,282	$ 1,648,316	$ 54,190
2057	$ 42,810	$ 54,190	$ -	$ (11,380)	$ (0)	$ 21,405	$ 11,651	$ 137	$ -	$ 1,526	$ 56,125	$ 711	$ 56,836	$ 5,861	$ 1,654,177	$ 0
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0
2077	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,654,177	$ 0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Pipe Replacement
Appendix L.SC.2.1

Pipe Replacement Year 1	$	1,719,752
Pipe Replacement Year 2	$	1,656,402
Pipe Replacement Year 3	$	1,586,888
Total PWRR	$	4,963,042

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Pipe Replacement
Appendix L.SC.2.2

PWRR **$ 1,719,752**

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2025				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ 500,000	$ 515,940	$ 22,982	$ 538,922
Discount Rate	7.127%		3rd Qtr	$ 500,000	$ 519,301	$ 13,879	$ 533,180
AFUDC Rate	7.127%		4th Qtr	$ 500,000	$ 522,684	$ 4,656	$ 527,340
Escalation (Inflation) Rate	2.60%		2026				
Base Year	2024		1st Qtr	$ -	$ -	$ -	$ -
First Expenditure Year	2025		2nd Qtr	$ -	$ -	$ -	$ -
Plant In Service Year	2025		3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	12		4th Qtr	$ -	$ -	$ -	$ -
Useful Life	50		2027				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.641%		2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	1.251%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 1,500,000	$ 1,557,925	$ 41,517	$ 1,599,442

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2025	$ 1,599,442	$ 2,666	$ 5,331	$ 560	$ 1,596,217	$ 1,597,830	$ 1,128	$ 854	$ -	$ 9,490	$ 14,697	$ 186	$ 14,884	$ 13,893	$ 13,893	$ 1,596,777
2026	$ 1,596,217	$ 31,989	$ 63,978	$ 6,718	$ 1,557,510	$ 1,576,864	$ 13,268	$ 10,115	$ -	$ 112,383	$ 174,473	$ 2,211	$ 176,684	$ 153,957	$ 167,850	$ 1,564,788
2027	$ 1,557,510	$ 31,989	$ 63,978	$ 6,718	$ 1,518,804	$ 1,538,157	$ 12,778	$ 9,867	$ -	$ 109,624	$ 170,976	$ 2,166	$ 173,142	$ 140,833	$ 308,683	$ 1,532,799
2028	$ 1,518,804	$ 31,989	$ 63,978	$ 6,718	$ 1,480,097	$ 1,499,451	$ 12,287	$ 9,619	$ -	$ 106,866	$ 167,478	$ 2,122	$ 169,600	$ 128,775	$ 437,458	$ 1,500,810
2029	$ 1,480,097	$ 31,989	$ 63,978	$ 6,718	$ 1,441,391	$ 1,460,744	$ 11,796	$ 9,370	$ -	$ 104,107	$ 163,981	$ 2,078	$ 166,058	$ 117,697	$ 555,155	$ 1,468,821
2030	$ 1,441,391	$ 31,989	$ 63,978	$ 6,718	$ 1,402,684	$ 1,422,038	$ 11,306	$ 9,122	$ -	$ 101,349	$ 160,483	$ 2,033	$ 162,517	$ 107,524	$ 662,679	$ 1,436,832
2031	$ 1,402,684	$ 31,989	$ 63,978	$ 6,718	$ 1,363,978	$ 1,383,331	$ 10,815	$ 8,874	$ -	$ 98,590	$ 156,986	$ 1,989	$ 158,975	$ 98,183	$ 760,862	$ 1,404,844
2032	$ 1,363,978	$ 31,989	$ 63,978	$ 6,718	$ 1,325,271	$ 1,344,625	$ 10,325	$ 8,626	$ -	$ 95,831	$ 153,488	$ 1,945	$ 155,433	$ 89,609	$ 850,471	$ 1,372,855
2033	$ 1,325,271	$ 31,989	$ 63,978	$ 6,718	$ 1,286,565	$ 1,305,918	$ 9,834	$ 8,377	$ -	$ 93,073	$ 149,991	$ 1,900	$ 151,891	$ 81,741	$ 932,212	$ 1,340,866
2034	$ 1,286,565	$ 31,989	$ 63,978	$ 6,718	$ 1,247,858	$ 1,267,212	$ 9,344	$ 8,129	$ -	$ 90,314	$ 146,493	$ 1,856	$ 148,349	$ 74,524	$ 1,006,736	$ 1,308,877
2035	$ 1,247,858	$ 31,989	$ 63,978	$ 6,718	$ 1,209,152	$ 1,228,505	$ 8,853	$ 7,881	$ -	$ 87,556	$ 142,996	$ 1,812	$ 144,807	$ 67,905	$ 1,074,641	$ 1,276,888
2036	$ 1,209,152	$ 31,989	$ 63,978	$ 6,718	$ 1,170,445	$ 1,189,799	$ 8,362	$ 7,632	$ -	$ 84,797	$ 139,498	$ 1,767	$ 141,266	$ 61,837	$ 1,136,478	$ 1,244,899
2037	$ 1,170,445	$ 31,989	$ 63,978	$ 6,718	$ 1,131,739	$ 1,151,092	$ 7,872	$ 7,384	$ -	$ 82,038	$ 136,001	$ 1,723	$ 137,724	$ 56,276	$ 1,192,754	$ 1,212,910
2038	$ 1,131,739	$ 31,989	$ 63,978	$ 6,718	$ 1,093,032	$ 1,112,385	$ 7,381	$ 7,136	$ -	$ 79,280	$ 132,503	$ 1,679	$ 134,182	$ 51,181	$ 1,243,935	$ 1,180,922
2039	$ 1,093,032	$ 31,989	$ 63,978	$ 6,718	$ 1,054,326	$ 1,073,679	$ 6,891	$ 6,888	$ -	$ 76,521	$ 129,006	$ 1,635	$ 130,640	$ 46,515	$ 1,290,450	$ 1,148,933
2040	$ 1,054,326	$ 31,989	$ 63,978	$ 6,718	$ 1,015,619	$ 1,034,972	$ 6,400	$ 6,639	$ -	$ 73,762	$ 125,508	$ 1,590	$ 127,098	$ 42,243	$ 1,332,694	$ 1,116,944
2041	$ 1,015,619	$ 31,989	$ 63,978	$ 6,718	$ 976,913	$ 996,266	$ 5,909	$ 6,391	$ -	$ 71,004	$ 122,011	$ 1,546	$ 123,557	$ 38,334	$ 1,371,028	$ 1,084,955
2042	$ 976,913	$ 31,989	$ 63,978	$ 6,718	$ 938,206	$ 957,559	$ 5,419	$ 6,143	$ -	$ 68,245	$ 118,513	$ 1,502	$ 120,015	$ 34,758	$ 1,405,785	$ 1,052,966
2043	$ 938,206	$ 31,989	$ 63,978	$ 6,718	$ 899,500	$ 918,853	$ 4,928	$ 5,894	$ -	$ 65,487	$ 115,016	$ 1,457	$ 116,473	$ 31,488	$ 1,437,274	$ 1,020,977
2044	$ 899,500	$ 31,989	$ 63,978	$ 6,718	$ 860,793	$ 880,146	$ 4,438	$ 5,646	$ -	$ 62,728	$ 111,518	$ 1,413	$ 112,931	$ 28,499	$ 1,465,773	$ 988,989
2045	$ 860,793	$ 31,989	$ 63,978	$ 6,718	$ 822,087	$ 841,440	$ 3,947	$ 5,398	$ -	$ 59,969	$ 108,021	$ 1,369	$ 109,389	$ 25,769	$ 1,491,542	$ 957,000
2046	$ 822,087	$ 31,989	$ 63,978	$ 6,718	$ 783,380	$ 802,733	$ 3,457	$ 5,149	$ -	$ 57,211	$ 104,523	$ 1,324	$ 105,848	$ 23,276	$ 1,514,818	$ 925,011
2047	$ 783,380	$ 31,989	$ 63,978	$ 6,718	$ 744,674	$ 764,027	$ 2,966	$ 4,901	$ -	$ 54,452	$ 101,026	$ 1,280	$ 102,306	$ 21,000	$ 1,535,818	$ 893,022
2048	$ 744,674	$ 31,989	$ 63,978	$ 6,718	$ 705,967	$ 725,320	$ 2,475	$ 4,653	$ -	$ 51,694	$ 97,528	$ 1,236	$ 98,764	$ 18,924	$ 1,554,742	$ 861,033
2049	$ 705,967	$ 31,989	$ 63,978	$ 6,718	$ 667,261	$ 686,614	$ 1,985	$ 4,405	$ -	$ 48,935	$ 94,031	$ 1,191	$ 95,222	$ 17,032	$ 1,571,774	$ 829,044
2050	$ 667,261	$ 31,989	$ 58,646	$ 5,598	$ 629,674	$ 648,467	$ 2,621	$ 4,160	$ -	$ 46,216	$ 90,584	$ 1,148	$ 91,732	$ 15,316	$ 1,587,090	$ 797,055
2051	$ 629,674	$ 31,989	$ -	$ (6,718)	$ 604,403	$ 617,038	$ 14,538	$ 3,958	$ -	$ 43,976	$ 87,744	$ 1,112	$ 88,856	$ 13,849	$ 1,600,939	$ 765,067
2052	$ 604,403	$ 31,989	$ -	$ (6,718)	$ 579,131	$ 591,767	$ 14,218	$ 3,796	$ -	$ 42,175	$ 85,461	$ 1,083	$ 86,543	$ 12,591	$ 1,613,530	$ 733,078
2053	$ 579,131	$ 31,989	$ -	$ (6,718)	$ 553,860	$ 566,496	$ 13,898	$ 3,634	$ -	$ 40,374	$ 83,177	$ 1,054	$ 84,231	$ 11,439	$ 1,624,970	$ 701,089
2054	$ 553,860	$ 31,989	$ -	$ (6,718)	$ 528,589	$ 541,225	$ 13,577	$ 3,472	$ -	$ 38,573	$ 80,894	$ 1,025	$ 81,918	$ 10,385	$ 1,635,355	$ 669,100
2055	$ 528,589	$ 31,989	$ -	$ (6,718)	$ 503,318	$ 515,953	$ 13,257	$ 3,310	$ -	$ 36,772	$ 78,610	$ 996	$ 79,606	$ 9,421	$ 1,644,776	$ 637,111
2056	$ 503,318	$ 31,989	$ -	$ (6,718)	$ 478,047	$ 490,682	$ 12,937	$ 3,148	$ -	$ 34,971	$ 76,327	$ 967	$ 77,294	$ 8,538	$ 1,653,314	$ 605,122
2057	$ 478,047	$ 31,989	$ -	$ (6,718)	$ 452,775	$ 465,411	$ 12,616	$ 2,986	$ -	$ 33,170	$ 74,043	$ 938	$ 74,981	$ 7,732	$ 1,661,046	$ 573,134
2058	$ 452,775	$ 31,989	$ -	$ (6,718)	$ 427,504	$ 440,140	$ 12,296	$ 2,823	$ -	$ 31,369	$ 71,760	$ 909	$ 72,669	$ 6,995	$ 1,668,041	$ 541,145
2059	$ 427,504	$ 31,989	$ -	$ (6,718)	$ 402,233	$ 414,869	$ 11,976	$ 2,661	$ -	$ 29,568	$ 69,476	$ 880	$ 70,356	$ 6,322	$ 1,674,363	$ 509,156
2060	$ 402,233	$ 31,989	$ -	$ (6,718)	$ 376,962	$ 389,597	$ 11,656	$ 2,499	$ -	$ 27,767	$ 67,193	$ 851	$ 68,044	$ 5,707	$ 1,680,070	$ 477,167
2061	$ 376,962	$ 31,989	$ -	$ (6,718)	$ 351,691	$ 364,326	$ 11,335	$ 2,337	$ -	$ 25,966	$ 64,909	$ 822	$ 65,732	$ 5,147	$ 1,685,216	$ 445,178
2062	$ 351,691	$ 31,989	$ -	$ (6,718)	$ 326,420	$ 339,055	$ 11,015	$ 2,175	$ -	$ 24,164	$ 62,626	$ 793	$ 63,419	$ 4,635	$ 1,689,851	$ 413,189
2063	$ 326,420	$ 31,989	$ -	$ (6,718)	$ 301,148	$ 313,784	$ 10,695	$ 2,013	$ -	$ 22,363	$ 60,342	$ 765	$ 61,107	$ 4,169	$ 1,694,020	$ 381,200
2064	$ 301,148	$ 31,989	$ -	$ (6,718)	$ 275,877	$ 288,513	$ 10,374	$ 1,851	$ -	$ 20,562	$ 58,059	$ 736	$ 58,794	$ 3,744	$ 1,697,765	$ 349,212
2065	$ 275,877	$ 31,989	$ -	$ (6,718)	$ 250,606	$ 263,242	$ 10,054	$ 1,689	$ -	$ 18,761	$ 55,775	$ 707	$ 56,482	$ 3,358	$ 1,701,123	$ 317,223
2066	$ 250,606	$ 31,989	$ -	$ (6,718)	$ 225,335	$ 237,970	$ 9,734	$ 1,527	$ -	$ 16,960	$ 53,492	$ 678	$ 54,169	$ 3,006	$ 1,704,129	$ 285,234
2067	$ 225,335	$ 31,989	$ -	$ (6,718)	$ 200,064	$ 212,699	$ 9,413	$ 1,364	$ -	$ 15,159	$ 51,208	$ 649	$ 51,857	$ 2,686	$ 1,706,815	$ 253,245
2068	$ 200,064	$ 31,989	$ -	$ (6,718)	$ 174,792	$ 187,428	$ 9,093	$ 1,202	$ -	$ 13,358	$ 48,925	$ 620	$ 49,545	$ 2,396	$ 1,709,211	$ 221,256
2069	$ 174,792	$ 31,989	$ -	$ (6,718)	$ 149,521	$ 162,157	$ 8,773	$ 1,040	$ -	$ 11,557	$ 46,641	$ 591	$ 47,232	$ 2,132	$ 1,711,343	$ 189,267
2070	$ 149,521	$ 31,989	$ -	$ (6,718)	$ 124,250	$ 136,886	$ 8,453	$ 878	$ -	$ 9,756	$ 44,358	$ 562	$ 44,920	$ 1,893	$ 1,713,235	$ 157,278
2071	$ 124,250	$ 31,989	$ -	$ (6,718)	$ 98,979	$ 111,614	$ 8,132	$ 716	$ -	$ 7,955	$ 42,074	$ 533	$ 42,607	$ 1,676	$ 1,714,911	$ 125,290
2072	$ 98,979	$ 31,989	$ -	$ (6,718)	$ 73,708	$ 86,343	$ 7,812	$ 554	$ -	$ 6,154	$ 39,791	$ 504	$ 40,295	$ 1,479	$ 1,716,391	$ 93,301
2073	$ 73,708	$ 31,989	$ -	$ (6,718)	$ 48,436	$ 61,072	$ 7,492	$ 392	$ -	$ 4,353	$ 37,507	$ 475	$ 37,983	$ 1,302	$ 1,717,692	$ 61,312
2074	$ 48,436	$ 31,989	$ -	$ (6,718)	$ 23,165	$ 35,801	$ 7,171	$ 230	$ -	$ 2,552	$ 35,224	$ 446	$ 35,670	$ 1,141	$ 1,718,834	$ 29,323
2075	$ 23,165	$ 29,323	$ -	$ (6,158)	$ 0	$ 11,583	$ 6,305	$ 74	$ -	$ 825	$ 30,370	$ 385	$ 30,754	$ 918	$ 1,719,752	$ 0

PWRR **$ 1,656,402**

INPUTS

Annual O&M Increase/(Decrease)	$ -
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2026
Plant In Service Year	2026
Plant In Service Month	12
Useful Life	50
GDS Tax Life	25
Property Taxes & Ins.	0.641%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Additional Future Capital Investment	Present Value	Future Value	Useful Life
Capital Additions	$ -	$0	15

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base
2026	$ 1,650,317	$ 2,751	$ 5,501	$ 578	$ 1,646,989
2027	$ 1,646,989	$ 33,006	$ 66,013	$ 6,931	$ 1,607,052
2028	$ 1,607,052	$ 33,006	$ 66,013	$ 6,931	$ 1,567,114
2029	$ 1,567,114	$ 33,006	$ 66,013	$ 6,931	$ 1,527,176
2030	$ 1,527,176	$ 33,006	$ 66,013	$ 6,931	$ 1,487,239
2031	$ 1,487,239	$ 33,006	$ 66,013	$ 6,931	$ 1,447,301
2032	$ 1,447,301	$ 33,006	$ 66,013	$ 6,931	$ 1,407,363
2033	$ 1,407,363	$ 33,006	$ 66,013	$ 6,931	$ 1,367,425
2034	$ 1,367,425	$ 33,006	$ 66,013	$ 6,931	$ 1,327,488
2035	$ 1,327,488	$ 33,006	$ 66,013	$ 6,931	$ 1,287,550
2036	$ 1,287,550	$ 33,006	$ 66,013	$ 6,931	$ 1,247,612
2037	$ 1,247,612	$ 33,006	$ 66,013	$ 6,931	$ 1,207,675
2038	$ 1,207,675	$ 33,006	$ 66,013	$ 6,931	$ 1,167,737
2039	$ 1,167,737	$ 33,006	$ 66,013	$ 6,931	$ 1,127,799
2040	$ 1,127,799	$ 33,006	$ 66,013	$ 6,931	$ 1,087,862
2041	$ 1,087,862	$ 33,006	$ 66,013	$ 6,931	$ 1,047,924
2042	$ 1,047,924	$ 33,006	$ 66,013	$ 6,931	$ 1,007,986
2043	$ 1,007,986	$ 33,006	$ 66,013	$ 6,931	$ 968,049
2044	$ 968,049	$ 33,006	$ 66,013	$ 6,931	$ 928,111
2045	$ 928,111	$ 33,006	$ 66,013	$ 6,931	$ 888,173
2046	$ 888,173	$ 33,006	$ 66,013	$ 6,931	$ 848,236
2047	$ 848,236	$ 33,006	$ 66,013	$ 6,931	$ 808,298
2048	$ 808,298	$ 33,006	$ 66,013	$ 6,931	$ 768,360
2049	$ 768,360	$ 33,006	$ 66,013	$ 6,931	$ 728,423
2050	$ 728,423	$ 33,006	$ 66,013	$ 6,931	$ 688,485
2051	$ 688,485	$ 33,006	$ 60,512	$ 5,776	$ 649,702
2052	$ 649,702	$ 33,006	$ -	$ (6,931)	$ 623,627

2053	$	623,627	$	33,006	$	-	$	(6,931)	$	597,552
2054	$	597,552	$	33,006	$	-	$	(6,931)	$	571,477
2055	$	571,477	$	33,006	$	-	$	(6,931)	$	545,402
2056	$	545,402	$	33,006	$	-	$	(6,931)	$	519,327
2057	$	519,327	$	33,006	$	-	$	(6,931)	$	493,252
2058	$	493,252	$	33,006	$	-	$	(6,931)	$	467,177
2059	$	467,177	$	33,006	$	-	$	(6,931)	$	441,102
2060	$	441,102	$	33,006	$	-	$	(6,931)	$	415,027
2061	$	415,027	$	33,006	$	-	$	(6,931)	$	388,952
2062	$	388,952	$	33,006	$	-	$	(6,931)	$	362,877
2063	$	362,877	$	33,006	$	-	$	(6,931)	$	336,802
2064	$	336,802	$	33,006	$	-	$	(6,931)	$	310,727
2065	$	310,727	$	33,006	$	-	$	(6,931)	$	284,652
2066	$	284,652	$	33,006	$	-	$	(6,931)	$	258,577
2067	$	258,577	$	33,006	$	-	$	(6,931)	$	232,502
2068	$	232,502	$	33,006	$	-	$	(6,931)	$	206,427
2069	$	206,427	$	33,006	$	-	$	(6,931)	$	180,352
2070	$	180,352	$	33,006	$	-	$	(6,931)	$	154,277
2071	$	154,277	$	33,006	$	-	$	(6,931)	$	128,202
2072	$	128,202	$	33,006	$	-	$	(6,931)	$	102,127
2073	$	102,127	$	33,006	$	-	$	(6,931)	$	76,052
2074	$	76,052	$	33,006	$	-	$	(6,931)	$	49,977
2075	$	49,977	$	33,006	$	-	$	(6,931)	$	23,902
2076	$	23,902	$	30,256	$	-	$	(6,354)	$	(0)
			$	1,650,317	$	1,650,317	$	-		

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Pipe Replacement
Appendix L.SC.2.3

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2026				
1st Qtr	$ 375,000	$ 394,566	$ 24,606	$ 419,172
2nd Qtr	$ 375,000	$ 397,137	$ 17,690	$ 414,827
3rd Qtr	$ 375,000	$ 399,724	$ 10,683	$ 410,407
4th Qtr	$ 375,000	$ 402,328	$ 3,584	$ 405,912
2027				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
2028				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 1,500,000	$ 1,593,754	$ 56,563	$ 1,650,317

GDS Tax Life
25

PWRR CALCULATION

Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement
$ 1,648,653	$ 1,164	$ 881	$ -	$ 9,792	$ 15,165	$ 192	$ 15,357
$ 1,627,020	$ 13,690	$ 10,437	$ -	$ 115,958	$ 180,023	$ 2,281	$ 182,304
$ 1,587,083	$ 13,184	$ 10,181	$ -	$ 113,111	$ 176,414	$ 2,235	$ 178,649
$ 1,547,145	$ 12,678	$ 9,925	$ -	$ 110,265	$ 172,805	$ 2,189	$ 174,995
$ 1,507,207	$ 12,172	$ 9,669	$ -	$ 107,419	$ 169,197	$ 2,144	$ 171,340
$ 1,467,270	$ 11,665	$ 9,412	$ -	$ 104,572	$ 165,588	$ 2,098	$ 167,686
$ 1,427,332	$ 11,159	$ 9,156	$ -	$ 101,726	$ 161,979	$ 2,052	$ 164,031
$ 1,387,394	$ 10,653	$ 8,900	$ -	$ 98,880	$ 158,370	$ 2,007	$ 160,377
$ 1,347,457	$ 10,147	$ 8,644	$ -	$ 96,033	$ 154,762	$ 1,961	$ 156,722
$ 1,307,519	$ 9,641	$ 8,388	$ -	$ 93,187	$ 151,153	$ 1,915	$ 153,068
$ 1,267,581	$ 9,135	$ 8,131	$ -	$ 90,341	$ 147,544	$ 1,869	$ 149,414
$ 1,227,644	$ 8,628	$ 7,875	$ -	$ 87,494	$ 143,935	$ 1,824	$ 145,759
$ 1,187,706	$ 8,122	$ 7,619	$ -	$ 84,648	$ 140,327	$ 1,778	$ 142,105
$ 1,147,768	$ 7,616	$ 7,363	$ -	$ 81,801	$ 136,718	$ 1,732	$ 138,450
$ 1,107,831	$ 7,110	$ 7,107	$ -	$ 78,955	$ 133,109	$ 1,687	$ 134,796
$ 1,067,893	$ 6,604	$ 6,850	$ -	$ 76,109	$ 129,500	$ 1,641	$ 131,141
$ 1,027,955	$ 6,097	$ 6,594	$ -	$ 73,262	$ 125,892	$ 1,595	$ 127,487
$ 988,018	$ 5,591	$ 6,338	$ -	$ 70,416	$ 122,283	$ 1,549	$ 123,832
$ 948,080	$ 5,085	$ 6,082	$ -	$ 67,570	$ 118,674	$ 1,504	$ 120,178
$ 908,142	$ 4,579	$ 5,826	$ -	$ 64,723	$ 115,065	$ 1,458	$ 116,523
$ 868,204	$ 4,073	$ 5,569	$ -	$ 61,877	$ 111,457	$ 1,412	$ 112,869
$ 828,267	$ 3,566	$ 5,313	$ -	$ 59,031	$ 107,848	$ 1,366	$ 109,214
$ 788,329	$ 3,060	$ 5,057	$ -	$ 56,184	$ 104,239	$ 1,321	$ 105,560
$ 748,391	$ 2,554	$ 4,801	$ -	$ 53,338	$ 100,630	$ 1,275	$ 101,905
$ 708,454	$ 2,048	$ 4,545	$ -	$ 50,491	$ 97,022	$ 1,229	$ 98,251
$ 669,094	$ 2,704	$ 4,292	$ -	$ 47,686	$ 93,465	$ 1,184	$ 94,649
$ 636,665	$ 15,001	$ 4,084	$ -	$ 45,375	$ 90,535	$ 1,147	$ 91,682

$ 610,590	$ 14,670	$ 3,917	$ -	$ 43,517	$ 88,179	$ 1,117	$ 89,296
$ 584,515	$ 14,340	$ 3,750	$ -	$ 41,658	$ 85,823	$ 1,087	$ 86,910
$ 558,440	$ 14,009	$ 3,582	$ -	$ 39,800	$ 83,467	$ 1,058	$ 84,524
$ 532,365	$ 13,679	$ 3,415	$ -	$ 37,942	$ 81,110	$ 1,028	$ 82,138
$ 506,290	$ 13,348	$ 3,248	$ -	$ 36,083	$ 78,754	$ 998	$ 79,752
$ 480,215	$ 13,018	$ 3,081	$ -	$ 34,225	$ 76,398	$ 968	$ 77,366
$ 454,140	$ 12,687	$ 2,913	$ -	$ 32,367	$ 74,042	$ 938	$ 74,980
$ 428,065	$ 12,357	$ 2,746	$ -	$ 30,508	$ 71,686	$ 908	$ 72,594
$ 401,990	$ 12,026	$ 2,579	$ -	$ 28,650	$ 69,330	$ 878	$ 70,208
$ 375,915	$ 11,696	$ 2,411	$ -	$ 26,791	$ 66,974	$ 849	$ 67,822
$ 349,840	$ 11,365	$ 2,244	$ -	$ 24,933	$ 64,618	$ 819	$ 65,436
$ 323,765	$ 11,035	$ 2,077	$ -	$ 23,075	$ 62,262	$ 789	$ 63,050
$ 297,690	$ 10,704	$ 1,910	$ -	$ 21,216	$ 59,905	$ 759	$ 60,664
$ 271,615	$ 10,374	$ 1,742	$ -	$ 19,358	$ 57,549	$ 729	$ 58,278
$ 245,540	$ 10,043	$ 1,575	$ -	$ 17,500	$ 55,193	$ 699	$ 55,892
$ 219,465	$ 9,713	$ 1,408	$ -	$ 15,641	$ 52,837	$ 669	$ 53,506
$ 193,390	$ 9,382	$ 1,241	$ -	$ 13,783	$ 50,481	$ 640	$ 51,121
$ 167,315	$ 9,052	$ 1,073	$ -	$ 11,925	$ 48,125	$ 610	$ 48,735
$ 141,240	$ 8,721	$ 906	$ -	$ 10,066	$ 45,769	$ 580	$ 46,349
$ 115,165	$ 8,391	$ 739	$ -	$ 8,208	$ 43,413	$ 550	$ 43,963
$ 89,090	$ 8,060	$ 571	$ -	$ 6,349	$ 41,056	$ 520	$ 41,577
$ 63,015	$ 7,730	$ 404	$ -	$ 4,491	$ 38,700	$ 490	$ 39,191
$ 36,940	$ 7,400	$ 237	$ -	$ 2,633	$ 36,344	$ 460	$ 36,805
$ 11,951	$ 6,505	$ 77	$ -	$ 852	$ 31,336	$ 397	$ 31,733

PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
$ 13,382	$ 13,382	$ 1,647,567
$ 148,286	$ 161,667	$ 1,614,560
$ 135,646	$ 297,313	$ 1,581,554
$ 124,031	$ 421,344	$ 1,548,548
$ 113,362	$ 534,705	$ 1,515,541
$ 103,563	$ 638,268	$ 1,482,535
$ 94,566	$ 732,834	$ 1,449,529
$ 86,308	$ 819,142	$ 1,416,522
$ 78,730	$ 897,872	$ 1,383,516
$ 71,779	$ 969,651	$ 1,350,510
$ 65,404	$ 1,035,055	$ 1,317,503
$ 59,559	$ 1,094,614	$ 1,284,497
$ 54,203	$ 1,148,817	$ 1,251,491
$ 49,296	$ 1,198,113	$ 1,218,484
$ 44,802	$ 1,242,914	$ 1,185,478
$ 40,687	$ 1,283,602	$ 1,152,472
$ 36,922	$ 1,320,523	$ 1,119,465
$ 33,478	$ 1,354,001	$ 1,086,459
$ 30,328	$ 1,384,329	$ 1,053,453
$ 27,450	$ 1,411,779	$ 1,020,446
$ 24,820	$ 1,436,598	$ 987,440
$ 22,418	$ 1,459,017	$ 954,434
$ 20,227	$ 1,479,244	$ 921,427
$ 18,227	$ 1,497,471	$ 888,421
$ 16,405	$ 1,513,875	$ 855,415
$ 14,752	$ 1,528,627	$ 822,408
$ 13,339	$ 1,541,966	$ 789,402

$ 12,127	$ 1,554,093	$ 756,395
$ 11,018	$ 1,565,111	$ 723,389
$ 10,003	$ 1,575,114	$ 690,383
$ 9,074	$ 1,584,187	$ 657,376
$ 8,224	$ 1,592,411	$ 624,370
$ 7,447	$ 1,599,858	$ 591,364
$ 6,737	$ 1,606,596	$ 558,357
$ 6,089	$ 1,612,685	$ 525,351
$ 5,497	$ 1,618,182	$ 492,345
$ 4,957	$ 1,623,139	$ 459,338
$ 4,464	$ 1,627,603	$ 426,332
$ 4,015	$ 1,631,618	$ 393,326
$ 3,606	$ 1,635,225	$ 360,319
$ 3,234	$ 1,638,459	$ 327,313
$ 2,895	$ 1,641,354	$ 294,307
$ 2,587	$ 1,643,942	$ 261,300
$ 2,308	$ 1,646,249	$ 228,294
$ 2,053	$ 1,648,303	$ 195,288
$ 1,823	$ 1,650,126	$ 162,281
$ 1,614	$ 1,651,740	$ 129,275
$ 1,425	$ 1,653,165	$ 96,269
$ 1,254	$ 1,654,418	$ 63,262
$ 1,099	$ 1,655,518	$ 30,256
$ 885	$ 1,656,402	$ (0)

PWRR **$ 1,586,888**

INPUTS

Annual O&M Increase/(Decrease)	$ -
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2027
Plant In Service Year	2027
Plant In Service Month	12
Useful Life	50
GDS Tax Life	25
Property Taxes & Ins.	0.641%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Additional Future Capital Investment	Present Value	Future Value	Useful Life
Capital Additions	$ -	$0	15

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base
2027	$ 1,693,741	$ 2,823	$ 5,646	$ 593	$ 1,690,325
2028	$ 1,690,325	$ 33,875	$ 67,750	$ 7,114	$ 1,649,336
2029	$ 1,649,336	$ 33,875	$ 67,750	$ 7,114	$ 1,608,348
2030	$ 1,608,348	$ 33,875	$ 67,750	$ 7,114	$ 1,567,359
2031	$ 1,567,359	$ 33,875	$ 67,750	$ 7,114	$ 1,526,371
2032	$ 1,526,371	$ 33,875	$ 67,750	$ 7,114	$ 1,485,382
2033	$ 1,485,382	$ 33,875	$ 67,750	$ 7,114	$ 1,444,394
2034	$ 1,444,394	$ 33,875	$ 67,750	$ 7,114	$ 1,403,405
2035	$ 1,403,405	$ 33,875	$ 67,750	$ 7,114	$ 1,362,417
2036	$ 1,362,417	$ 33,875	$ 67,750	$ 7,114	$ 1,321,428
2037	$ 1,321,428	$ 33,875	$ 67,750	$ 7,114	$ 1,280,440
2038	$ 1,280,440	$ 33,875	$ 67,750	$ 7,114	$ 1,239,451
2039	$ 1,239,451	$ 33,875	$ 67,750	$ 7,114	$ 1,198,463
2040	$ 1,198,463	$ 33,875	$ 67,750	$ 7,114	$ 1,157,474
2041	$ 1,157,474	$ 33,875	$ 67,750	$ 7,114	$ 1,116,486
2042	$ 1,116,486	$ 33,875	$ 67,750	$ 7,114	$ 1,075,497
2043	$ 1,075,497	$ 33,875	$ 67,750	$ 7,114	$ 1,034,509
2044	$ 1,034,509	$ 33,875	$ 67,750	$ 7,114	$ 993,520
2045	$ 993,520	$ 33,875	$ 67,750	$ 7,114	$ 952,532
2046	$ 952,532	$ 33,875	$ 67,750	$ 7,114	$ 911,543
2047	$ 911,543	$ 33,875	$ 67,750	$ 7,114	$ 870,554
2048	$ 870,554	$ 33,875	$ 67,750	$ 7,114	$ 829,566
2049	$ 829,566	$ 33,875	$ 67,750	$ 7,114	$ 788,577
2050	$ 788,577	$ 33,875	$ 67,750	$ 7,114	$ 747,589
2051	$ 747,589	$ 33,875	$ 67,750	$ 7,114	$ 706,600
2052	$ 706,600	$ 33,875	$ 62,104	$ 5,928	$ 666,797
2053	$ 666,797	$ 33,875	$ -	$ (7,114)	$ 640,036

2054	$ 640,036	$ 33,875	$ -	$ (7,114)	$ 613,275
2055	$ 613,275	$ 33,875	$ -	$ (7,114)	$ 586,514
2056	$ 586,514	$ 33,875	$ -	$ (7,114)	$ 559,753
2057	$ 559,753	$ 33,875	$ -	$ (7,114)	$ 532,992
2058	$ 532,992	$ 33,875	$ -	$ (7,114)	$ 506,231
2059	$ 506,231	$ 33,875	$ -	$ (7,114)	$ 479,470
2060	$ 479,470	$ 33,875	$ -	$ (7,114)	$ 452,709
2061	$ 452,709	$ 33,875	$ -	$ (7,114)	$ 425,948
2062	$ 425,948	$ 33,875	$ -	$ (7,114)	$ 399,186
2063	$ 399,186	$ 33,875	$ -	$ (7,114)	$ 372,425
2064	$ 372,425	$ 33,875	$ -	$ (7,114)	$ 345,664
2065	$ 345,664	$ 33,875	$ -	$ (7,114)	$ 318,903
2066	$ 318,903	$ 33,875	$ -	$ (7,114)	$ 292,142
2067	$ 292,142	$ 33,875	$ -	$ (7,114)	$ 265,381
2068	$ 265,381	$ 33,875	$ -	$ (7,114)	$ 238,620
2069	$ 238,620	$ 33,875	$ -	$ (7,114)	$ 211,859
2070	$ 211,859	$ 33,875	$ -	$ (7,114)	$ 185,098
2071	$ 185,098	$ 33,875	$ -	$ (7,114)	$ 158,337
2072	$ 158,337	$ 33,875	$ -	$ (7,114)	$ 131,575
2073	$ 131,575	$ 33,875	$ -	$ (7,114)	$ 104,814
2074	$ 104,814	$ 33,875	$ -	$ (7,114)	$ 78,053
2075	$ 78,053	$ 33,875	$ -	$ (7,114)	$ 51,292
2076	$ 51,292	$ 33,875	$ -	$ (7,114)	$ 24,531
2077	$ 24,531	$ 31,052	$ -	$ (6,521)	$ 0
		$ 1,693,741	$ 1,693,741	$ (0)	

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Pipe Replacement
Appendix L.SC.2.4

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2027				
1st Qtr	$ 375,000	$ 404,948	$ 25,253	$ 430,201
2nd Qtr	$ 375,000	$ 407,586	$ 18,155	$ 425,742
3rd Qtr	$ 375,000	$ 410,241	$ 10,964	$ 421,205
4th Qtr	$ 375,000	$ 412,914	$ 3,679	$ 416,592
2028				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
2029				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 1,500,000	$ 1,635,689	$ 58,051	$ 1,693,741

GDS Tax Life
25

PWRR CALCULATION

Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement
$ 1,692,033	$ 1,194	$ 905	$ -	$ 10,049	$ 15,564	$ 197	$ 15,761
$ 1,669,831	$ 14,050	$ 10,712	$ -	$ 119,009	$ 184,760	$ 2,341	$ 187,101
$ 1,628,842	$ 13,531	$ 10,449	$ -	$ 116,088	$ 181,056	$ 2,294	$ 183,350
$ 1,587,854	$ 13,011	$ 10,186	$ -	$ 113,166	$ 177,352	$ 2,247	$ 179,599
$ 1,546,865	$ 12,492	$ 9,923	$ -	$ 110,245	$ 173,648	$ 2,200	$ 175,849
$ 1,505,877	$ 11,972	$ 9,660	$ -	$ 107,324	$ 169,945	$ 2,153	$ 172,098
$ 1,464,888	$ 11,453	$ 9,397	$ -	$ 104,403	$ 166,241	$ 2,106	$ 168,347
$ 1,423,900	$ 10,933	$ 9,134	$ -	$ 101,481	$ 162,537	$ 2,059	$ 164,597
$ 1,382,911	$ 10,414	$ 8,871	$ -	$ 98,560	$ 158,834	$ 2,012	$ 160,846
$ 1,341,922	$ 9,894	$ 8,608	$ -	$ 95,639	$ 155,130	$ 1,966	$ 157,096
$ 1,300,934	$ 9,375	$ 8,345	$ -	$ 92,718	$ 151,426	$ 1,919	$ 153,345
$ 1,259,945	$ 8,855	$ 8,082	$ -	$ 89,796	$ 147,723	$ 1,872	$ 149,594
$ 1,218,957	$ 8,336	$ 7,819	$ -	$ 86,875	$ 144,019	$ 1,825	$ 145,844
$ 1,177,968	$ 7,816	$ 7,557	$ -	$ 83,954	$ 140,315	$ 1,778	$ 142,093
$ 1,136,980	$ 7,297	$ 7,294	$ -	$ 81,033	$ 136,612	$ 1,731	$ 138,342
$ 1,095,991	$ 6,777	$ 7,031	$ -	$ 78,111	$ 132,908	$ 1,684	$ 134,592
$ 1,055,003	$ 6,258	$ 6,768	$ -	$ 75,190	$ 129,204	$ 1,637	$ 130,841
$ 1,014,014	$ 5,738	$ 6,505	$ -	$ 72,269	$ 125,500	$ 1,590	$ 127,091
$ 973,026	$ 5,219	$ 6,242	$ -	$ 69,348	$ 121,797	$ 1,543	$ 123,340
$ 932,037	$ 4,699	$ 5,979	$ -	$ 66,426	$ 118,093	$ 1,496	$ 119,589
$ 891,049	$ 4,180	$ 5,716	$ -	$ 63,505	$ 114,389	$ 1,449	$ 115,839
$ 850,060	$ 3,660	$ 5,453	$ -	$ 60,584	$ 110,686	$ 1,402	$ 112,088
$ 809,072	$ 3,141	$ 5,190	$ -	$ 57,663	$ 106,982	$ 1,355	$ 108,337
$ 768,083	$ 2,621	$ 4,927	$ -	$ 54,741	$ 103,278	$ 1,309	$ 104,587
$ 727,095	$ 2,102	$ 4,664	$ -	$ 51,820	$ 99,575	$ 1,262	$ 100,836
$ 686,699	$ 2,775	$ 4,405	$ -	$ 48,941	$ 95,924	$ 1,215	$ 97,140
$ 653,417	$ 15,395	$ 4,192	$ -	$ 46,569	$ 92,917	$ 1,177	$ 94,094

$ 626,656	$ 15,056	$ 4,020	$ -	$ 44,662	$ 90,499	$ 1,147	$ 91,646
$ 599,895	$ 14,717	$ 3,848	$ -	$ 42,754	$ 88,081	$ 1,116	$ 89,197
$ 573,134	$ 14,378	$ 3,677	$ -	$ 40,847	$ 85,663	$ 1,085	$ 86,748
$ 546,373	$ 14,039	$ 3,505	$ -	$ 38,940	$ 83,245	$ 1,055	$ 84,299
$ 519,611	$ 13,699	$ 3,333	$ -	$ 37,033	$ 80,827	$ 1,024	$ 81,851
$ 492,850	$ 13,360	$ 3,162	$ -	$ 35,125	$ 78,408	$ 993	$ 79,402
$ 466,089	$ 13,021	$ 2,990	$ -	$ 33,218	$ 75,990	$ 963	$ 76,953
$ 439,328	$ 12,682	$ 2,818	$ -	$ 31,311	$ 73,572	$ 932	$ 74,504
$ 412,567	$ 12,343	$ 2,647	$ -	$ 29,404	$ 71,154	$ 902	$ 72,056
$ 385,806	$ 12,004	$ 2,475	$ -	$ 27,496	$ 68,736	$ 871	$ 69,607
$ 359,045	$ 11,664	$ 2,303	$ -	$ 25,589	$ 66,318	$ 840	$ 67,158
$ 332,284	$ 11,325	$ 2,132	$ -	$ 23,682	$ 63,900	$ 810	$ 64,709
$ 305,523	$ 10,986	$ 1,960	$ -	$ 21,775	$ 61,482	$ 779	$ 62,261
$ 278,761	$ 10,647	$ 1,788	$ -	$ 19,867	$ 59,064	$ 748	$ 59,812
$ 252,000	$ 10,308	$ 1,617	$ -	$ 17,960	$ 56,645	$ 718	$ 57,363
$ 225,239	$ 9,968	$ 1,445	$ -	$ 16,053	$ 54,227	$ 687	$ 54,914
$ 198,478	$ 9,629	$ 1,273	$ -	$ 14,146	$ 51,809	$ 656	$ 52,466
$ 171,717	$ 9,290	$ 1,102	$ -	$ 12,238	$ 49,391	$ 626	$ 50,017
$ 144,956	$ 8,951	$ 930	$ -	$ 10,331	$ 46,973	$ 595	$ 47,568
$ 118,195	$ 8,612	$ 758	$ -	$ 8,424	$ 44,555	$ 565	$ 45,119
$ 91,434	$ 8,273	$ 587	$ -	$ 6,516	$ 42,137	$ 534	$ 42,671
$ 64,673	$ 7,933	$ 415	$ -	$ 4,609	$ 39,719	$ 503	$ 40,222
$ 37,912	$ 7,594	$ 243	$ -	$ 2,702	$ 37,300	$ 473	$ 37,773
$ 12,266	$ 6,676	$ 79	$ -	$ 874	$ 32,160	$ 407	$ 32,568

PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
$ 12,820	$ 12,820	$ 1,690,918
$ 142,062	$ 154,882	$ 1,657,043
$ 129,953	$ 284,835	$ 1,623,168
$ 118,826	$ 403,661	$ 1,589,293
$ 108,604	$ 512,265	$ 1,555,419
$ 99,217	$ 611,482	$ 1,521,544
$ 90,597	$ 702,079	$ 1,487,669
$ 82,686	$ 784,765	$ 1,453,794
$ 75,426	$ 860,191	$ 1,419,919
$ 68,766	$ 928,958	$ 1,386,044
$ 62,659	$ 991,617	$ 1,352,170
$ 57,060	$ 1,048,677	$ 1,318,295
$ 51,928	$ 1,100,605	$ 1,284,420
$ 47,227	$ 1,147,832	$ 1,250,545
$ 42,921	$ 1,190,753	$ 1,216,670
$ 38,980	$ 1,229,733	$ 1,182,796
$ 35,372	$ 1,265,105	$ 1,148,921
$ 32,073	$ 1,297,178	$ 1,115,046
$ 29,055	$ 1,326,233	$ 1,081,171
$ 26,298	$ 1,352,531	$ 1,047,296
$ 23,778	$ 1,376,309	$ 1,013,421
$ 21,478	$ 1,397,786	$ 979,547
$ 19,378	$ 1,417,164	$ 945,672
$ 17,462	$ 1,434,627	$ 911,797
$ 15,716	$ 1,450,343	$ 877,922
$ 14,133	$ 1,464,475	$ 844,047
$ 12,779	$ 1,477,254	$ 810,173

$	11,618	$	1,488,873	$	776,298
$	10,556	$	1,499,428	$	742,423
$	9,583	$	1,509,011	$	708,548
$	8,693	$	1,517,704	$	674,673
$	7,879	$	1,525,583	$	640,799
$	7,135	$	1,532,717	$	606,924
$	6,455	$	1,539,172	$	573,049
$	5,833	$	1,545,005	$	539,174
$	5,266	$	1,550,272	$	505,299
$	4,749	$	1,555,020	$	471,424
$	4,277	$	1,559,297	$	437,550
$	3,847	$	1,563,144	$	403,675
$	3,455	$	1,566,599	$	369,800
$	3,098	$	1,569,698	$	335,925
$	2,774	$	1,572,472	$	302,050
$	2,479	$	1,574,950	$	268,176
$	2,211	$	1,577,161	$	234,301
$	1,967	$	1,579,128	$	200,426
$	1,746	$	1,580,875	$	166,551
$	1,546	$	1,582,421	$	132,676
$	1,365	$	1,583,786	$	98,802
$	1,201	$	1,584,988	$	64,927
$	1,053	$	1,586,041	$	31,052
$	848	$	1,586,888	$	0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Rehab Tract 200 High Tank
Appendix L.SC.4.1

Rehab Tract 200 High Tank	$	656,690
Total PWRR	$	656,690

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Rehab Tract 200 High Tank
Appendix L.SC.4.2

PWRR $ 656,690

INPUTS

Annual O&M Increase/(Decrease)	$ (1,500)
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2025
Plant In Service Year	2026
Plant In Service Month	12
Useful Life	50
GDS Tax Life	25
Property Taxes & Ins.	0.641%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2025				
1st Qtr	$ 38,351	$ 39,318	$ 5,254	$ 44,572
2nd Qtr	$ 38,351	$ 39,574	$ 4,583	$ 44,157
3rd Qtr	$ 38,351	$ 39,832	$ 3,903	$ 43,735
4th Qtr	$ 38,351	$ 40,091	$ 3,214	$ 43,306
2026				
1st Qtr	$ 115,054	$ 121,057	$ 7,549	$ 128,607
2nd Qtr	$ 115,054	$ 121,846	$ 5,427	$ 127,273
3rd Qtr	$ 115,054	$ 122,640	$ 3,278	$ 125,917
4th Qtr	$ 115,054	$ 123,439	$ 1,100	$ 124,538
2027				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 613,622	$ 647,796	$ 34,309	$ 682,106

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 682,106	$ 1,137	$ 2,274	$ 239	$ 680,730	$ 681,418	$ 481	$ 364	$ (132)	$ 4,047	$ 6,136	$ 78	$ 6,214	$ 5,415	$ 5,415	$ 680,969
2027	$ 680,730	$ 13,642	$ 27,284	$ 2,865	$ 664,223	$ 672,477	$ 5,658	$ 4,314	$ (1,620)	$ 47,927	$ 72,787	$ 922	$ 73,709	$ 59,955	$ 65,369	$ 667,327
2028	$ 664,223	$ 13,642	$ 27,284	$ 2,865	$ 647,716	$ 655,970	$ 5,499	$ 4,208	$ (1,662)	$ 46,751	$ 71,253	$ 903	$ 72,156	$ 54,787	$ 120,156	$ 653,685
2029	$ 647,716	$ 13,642	$ 27,284	$ 2,865	$ 631,209	$ 639,463	$ 5,240	$ 4,102	$ (1,705)	$ 45,575	$ 69,718	$ 883	$ 70,601	$ 50,040	$ 170,196	$ 640,043
2030	$ 631,209	$ 13,642	$ 27,284	$ 2,865	$ 614,702	$ 622,956	$ 5,031	$ 3,996	$ (1,750)	$ 44,398	$ 68,182	$ 864	$ 69,046	$ 45,682	$ 215,878	$ 626,400
2031	$ 614,702	$ 13,642	$ 27,284	$ 2,865	$ 598,195	$ 606,449	$ 4,822	$ 3,890	$ (1,795)	$ 43,222	$ 66,645	$ 844	$ 67,490	$ 41,682	$ 257,560	$ 612,758
2032	$ 598,195	$ 13,642	$ 27,284	$ 2,865	$ 581,688	$ 589,942	$ 4,612	$ 3,784	$ (1,842)	$ 42,045	$ 65,107	$ 825	$ 65,932	$ 38,011	$ 295,570	$ 599,116
2033	$ 581,688	$ 13,642	$ 27,284	$ 2,865	$ 565,181	$ 573,435	$ 4,403	$ 3,679	$ (1,890)	$ 40,869	$ 63,567	$ 805	$ 64,373	$ 34,643	$ 330,213	$ 585,474
2034	$ 565,181	$ 13,642	$ 27,284	$ 2,865	$ 548,674	$ 556,928	$ 4,194	$ 3,573	$ (1,939)	$ 39,692	$ 62,027	$ 786	$ 62,813	$ 31,554	$ 361,767	$ 571,832
2035	$ 548,674	$ 13,642	$ 27,284	$ 2,865	$ 532,168	$ 540,421	$ 3,985	$ 3,467	$ (1,989)	$ 38,516	$ 60,485	$ 766	$ 61,251	$ 28,723	$ 390,490	$ 558,190
2036	$ 532,168	$ 13,642	$ 27,284	$ 2,865	$ 515,661	$ 523,914	$ 3,775	$ 3,361	$ (2,041)	$ 37,339	$ 58,942	$ 747	$ 59,688	$ 26,128	$ 416,618	$ 544,548
2037	$ 515,661	$ 13,642	$ 27,284	$ 2,865	$ 499,154	$ 507,407	$ 3,566	$ 3,255	$ (2,094)	$ 36,163	$ 57,397	$ 727	$ 58,124	$ 23,750	$ 440,368	$ 530,906
2038	$ 499,154	$ 13,642	$ 27,284	$ 2,865	$ 482,647	$ 490,900	$ 3,357	$ 3,149	$ (2,149)	$ 34,986	$ 55,851	$ 708	$ 56,559	$ 21,573	$ 461,941	$ 517,264
2039	$ 482,647	$ 13,642	$ 27,284	$ 2,865	$ 466,140	$ 474,393	$ 3,148	$ 3,043	$ (2,204)	$ 33,810	$ 54,303	$ 688	$ 54,992	$ 19,580	$ 481,521	$ 503,621
2040	$ 466,140	$ 13,642	$ 27,284	$ 2,865	$ 449,633	$ 457,886	$ 2,939	$ 2,937	$ (2,262)	$ 32,634	$ 52,755	$ 668	$ 53,423	$ 17,756	$ 499,277	$ 489,979
2041	$ 449,633	$ 13,642	$ 27,284	$ 2,865	$ 433,126	$ 441,379	$ 2,729	$ 2,831	$ (2,321)	$ 31,457	$ 51,204	$ 649	$ 51,853	$ 16,088	$ 515,365	$ 476,337
2042	$ 433,126	$ 13,642	$ 27,284	$ 2,865	$ 416,619	$ 424,872	$ 2,520	$ 2,726	$ (2,381)	$ 30,281	$ 49,652	$ 629	$ 50,281	$ 14,562	$ 529,927	$ 462,695
2043	$ 416,619	$ 13,642	$ 27,284	$ 2,865	$ 400,112	$ 408,365	$ 2,311	$ 2,620	$ (2,443)	$ 29,104	$ 48,099	$ 609	$ 48,708	$ 13,168	$ 543,095	$ 449,053
2044	$ 400,112	$ 13,642	$ 27,284	$ 2,865	$ 383,605	$ 391,858	$ 2,102	$ 2,514	$ (2,506)	$ 27,928	$ 46,544	$ 590	$ 47,134	$ 11,895	$ 554,990	$ 435,411
2045	$ 383,605	$ 13,642	$ 27,284	$ 2,865	$ 367,098	$ 375,351	$ 1,893	$ 2,408	$ (2,571)	$ 26,751	$ 44,987	$ 570	$ 45,557	$ 10,732	$ 565,722	$ 421,769
2046	$ 367,098	$ 13,642	$ 27,284	$ 2,865	$ 350,591	$ 358,844	$ 1,683	$ 2,302	$ (2,638)	$ 25,575	$ 43,429	$ 550	$ 43,979	$ 9,671	$ 575,393	$ 408,127
2047	$ 350,591	$ 13,642	$ 27,284	$ 2,865	$ 334,084	$ 342,337	$ 1,474	$ 2,196	$ (2,707)	$ 24,398	$ 41,869	$ 530	$ 42,399	$ 8,703	$ 584,096	$ 394,484
2048	$ 334,084	$ 13,642	$ 27,284	$ 2,865	$ 317,577	$ 325,831	$ 1,265	$ 2,090	$ (2,777)	$ 23,222	$ 40,307	$ 511	$ 40,817	$ 7,821	$ 591,917	$ 380,842
2049	$ 317,577	$ 13,642	$ 27,284	$ 2,865	$ 301,070	$ 309,324	$ 1,056	$ 1,984	$ (2,850)	$ 22,045	$ 38,743	$ 491	$ 39,234	$ 7,018	$ 598,935	$ 367,200
2050	$ 301,070	$ 13,642	$ 27,284	$ 2,865	$ 284,563	$ 292,817	$ 846	$ 1,878	$ (2,924)	$ 20,869	$ 37,177	$ 471	$ 37,648	$ 6,286	$ 605,221	$ 353,558
2051	$ 284,563	$ 13,642	$ 25,011	$ 2,387	$ 268,534	$ 276,548	$ 1,118	$ 1,774	$ (3,000)	$ 19,710	$ 35,631	$ 451	$ 36,083	$ 5,624	$ 610,844	$ 339,916
2052	$ 268,534	$ 13,642	$ -	$ (2,865)	$ 257,756	$ 263,145	$ 6,200	$ 1,688	$ (3,078)	$ 18,754	$ 34,342	$ 435	$ 34,777	$ 5,060	$ 615,904	$ 326,274
2053	$ 257,756	$ 13,642	$ -	$ (2,865)	$ 246,979	$ 252,368	$ 6,063	$ 1,619	$ (3,158)	$ 17,986	$ 33,288	$ 422	$ 33,710	$ 4,578	$ 620,482	$ 312,632
2054	$ 246,979	$ 13,642	$ -	$ (2,865)	$ 236,202	$ 241,590	$ 5,927	$ 1,550	$ (3,240)	$ 17,218	$ 32,232	$ 408	$ 32,641	$ 4,138	$ 624,620	$ 298,990
2055	$ 236,202	$ 13,642	$ -	$ (2,865)	$ 225,425	$ 230,813	$ 5,790	$ 1,481	$ (3,324)	$ 16,450	$ 31,174	$ 395	$ 31,569	$ 3,736	$ 628,356	$ 285,348
2056	$ 225,425	$ 13,642	$ -	$ (2,865)	$ 214,647	$ 220,036	$ 5,654	$ 1,412	$ (3,410)	$ 15,682	$ 30,114	$ 382	$ 30,496	$ 3,369	$ 631,725	$ 271,705
2057	$ 214,647	$ 13,642	$ -	$ (2,865)	$ 203,870	$ 209,259	$ 5,517	$ 1,342	$ (3,499)	$ 14,914	$ 29,052	$ 368	$ 29,420	$ 3,034	$ 634,759	$ 258,063
2058	$ 203,870	$ 13,642	$ -	$ (2,865)	$ 193,093	$ 198,481	$ 5,380	$ 1,273	$ (3,590)	$ 14,146	$ 27,987	$ 355	$ 28,341	$ 2,728	$ 637,487	$ 244,421
2059	$ 193,093	$ 13,642	$ -	$ (2,865)	$ 182,315	$ 187,704	$ 5,244	$ 1,204	$ (3,683)	$ 13,378	$ 26,920	$ 341	$ 27,261	$ 2,449	$ 639,936	$ 230,779
2060	$ 182,315	$ 13,642	$ -	$ (2,865)	$ 171,538	$ 176,927	$ 5,107	$ 1,135	$ (3,779)	$ 12,610	$ 25,850	$ 328	$ 26,177	$ 2,196	$ 642,132	$ 217,137
2061	$ 171,538	$ 13,642	$ -	$ (2,865)	$ 160,761	$ 166,150	$ 4,971	$ 1,066	$ (3,877)	$ 11,841	$ 24,778	$ 314	$ 25,092	$ 1,965	$ 644,096	$ 203,495
2062	$ 160,761	$ 13,642	$ -	$ (2,865)	$ 149,984	$ 155,372	$ 4,834	$ 997	$ (3,978)	$ 11,073	$ 23,703	$ 300	$ 24,004	$ 1,754	$ 645,851	$ 189,853
2063	$ 149,984	$ 13,642	$ -	$ (2,865)	$ 139,206	$ 144,595	$ 4,698	$ 928	$ (4,082)	$ 10,305	$ 22,626	$ 287	$ 22,913	$ 1,563	$ 647,414	$ 176,211
2064	$ 139,206	$ 13,642	$ -	$ (2,865)	$ 128,429	$ 133,818	$ 4,561	$ 858	$ (4,188)	$ 9,537	$ 21,546	$ 273	$ 21,819	$ 1,390	$ 648,804	$ 162,569
2065	$ 128,429	$ 13,642	$ -	$ (2,865)	$ 117,652	$ 123,041	$ 4,424	$ 789	$ (4,297)	$ 8,769	$ 20,463	$ 259	$ 20,723	$ 1,232	$ 650,035	$ 148,926
2066	$ 117,652	$ 13,642	$ -	$ (2,865)	$ 106,875	$ 112,263	$ 4,288	$ 720	$ (4,408)	$ 8,001	$ 19,378	$ 246	$ 19,623	$ 1,089	$ 651,124	$ 135,284
2067	$ 106,875	$ 13,642	$ -	$ (2,865)	$ 96,097	$ 101,486	$ 4,151	$ 651	$ (4,523)	$ 7,233	$ 18,289	$ 232	$ 18,521	$ 959	$ 652,084	$ 121,642
2068	$ 96,097	$ 13,642	$ -	$ (2,865)	$ 85,320	$ 90,709	$ 4,015	$ 582	$ (4,641)	$ 6,465	$ 17,198	$ 218	$ 17,416	$ 842	$ 652,926	$ 108,000
2069	$ 85,320	$ 13,642	$ -	$ (2,865)	$ 74,543	$ 79,931	$ 3,878	$ 513	$ (4,761)	$ 5,697	$ 16,103	$ 204	$ 16,307	$ 736	$ 653,662	$ 94,358
2070	$ 74,543	$ 13,642	$ -	$ (2,865)	$ 63,766	$ 69,154	$ 3,741	$ 444	$ (4,885)	$ 4,929	$ 15,006	$ 190	$ 15,196	$ 640	$ 654,302	$ 80,716
2071	$ 63,766	$ 13,642	$ -	$ (2,865)	$ 52,988	$ 58,377	$ 3,605	$ 374	$ (5,012)	$ 4,161	$ 13,905	$ 176	$ 14,081	$ 554	$ 654,856	$ 67,074
2072	$ 52,988	$ 13,642	$ -	$ (2,865)	$ 42,211	$ 47,600	$ 3,468	$ 305	$ (5,142)	$ 3,392	$ 12,801	$ 162	$ 12,963	$ 476	$ 655,332	$ 53,432
2073	$ 42,211	$ 13,642	$ -	$ (2,865)	$ 31,434	$ 36,822	$ 3,332	$ 236	$ (5,276)	$ 2,624	$ 11,693	$ 148	$ 11,841	$ 406	$ 655,738	$ 39,790
2074	$ 31,434	$ 13,642	$ -	$ (2,865)	$ 20,656	$ 26,045	$ 3,195	$ 167	$ (5,413)	$ 1,856	$ 10,582	$ 134	$ 10,716	$ 343	$ 656,081	$ 26,147
2075	$ 20,656	$ 13,642	$ -	$ (2,865)	$ 9,879	$ 15,268	$ 3,058	$ 98	$ (5,554)	$ 1,088	$ 9,468	$ 120	$ 9,588	$ 286	$ 656,367	$ 12,505
2076	$ 9,879	$ 12,505	$ -	$ (2,626)	$ 0	$ 4,940	$ 2,689	$ 32	$ (1,500)	$ 352	$ 11,452	$ 145	$ 11,597	$ 323	$ 656,690	$ 0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - SCADA WW Upgrades
Appendix L.SC.8.1

SCADA WW Upgrades	$	105,534
Total PWRR	$	105,534

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - SCADA WW Upgrades
Appendix L.SC.8.2

PWRR **$ 105,534**

INPUTS

			Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ -		2026				
Rate of Return	7.127%		1st Qtr	$ -	$ -	$ -	$ -
WA Cost of Debt	2.359%		2nd Qtr	$ 33,333	$ 35,301	$ 1,572	$ 36,873
Discount Rate	7.127%		3rd Qtr	$ 33,333	$ 35,531	$ 950	$ 36,481
AFUDC Rate	7.127%		4th Qtr	$ 33,333	$ 35,762	$ 319	$ 36,081
Escalation (Inflation) Rate	2.60%		2027				
Base Year	2024		1st Qtr	$ -	$ -	$ -	$ -
First Expenditure Year	2026		2nd Qtr	$ -	$ -	$ -	$ -
Plant In Service Year	2026		3rd Qtr	$ -	$ -	$ -	$ -
Plant In Service Month	12		4th Qtr	$ -	$ -	$ -	$ -
Useful Life	10		2028				
GDS Tax Life	25		1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.704%		2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	1.251%		3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%		4th Qtr	$ -	$ -	$ -	$ -
			Total Plant	$ 100,000	$ 106,594	$ 2,841	$ 109,435

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 109,435	$ 912	$ 365	$ (115)	$ 108,638	$ 109,037	$ 230	$ 64	$ -	$ 648	$ 1,739	$ 22	$ 1,761	$ 1,534	$ 1,534	$ 108,523
2027	$ 108,638	$ 10,944	$ 4,377	$ (1,379)	$ 99,073	$ 103,856	$ 2,695	$ 732	$ -	$ 7,402	$ 20,393	$ 258	$ 20,652	$ 16,798	$ 18,332	$ 97,580
2028	$ 99,073	$ 10,944	$ 4,377	$ (1,379)	$ 89,509	$ 94,291	$ 2,574	$ 664	$ -	$ 6,720	$ 19,523	$ 247	$ 19,770	$ 15,011	$ 33,344	$ 86,636
2029	$ 89,509	$ 10,944	$ 4,377	$ (1,379)	$ 79,944	$ 84,727	$ 2,453	$ 597	$ -	$ 6,038	$ 18,653	$ 236	$ 18,889	$ 13,388	$ 46,731	$ 75,693
2030	$ 79,944	$ 10,944	$ 4,377	$ (1,379)	$ 70,380	$ 75,162	$ 2,332	$ 529	$ -	$ 5,357	$ 17,782	$ 225	$ 18,008	$ 11,914	$ 58,646	$ 64,749
2031	$ 70,380	$ 10,944	$ 4,377	$ (1,379)	$ 60,815	$ 65,597	$ 2,210	$ 462	$ -	$ 4,675	$ 16,912	$ 214	$ 17,126	$ 10,577	$ 69,223	$ 53,806
2032	$ 60,815	$ 10,944	$ 4,377	$ (1,379)	$ 51,250	$ 56,033	$ 2,089	$ 395	$ -	$ 3,993	$ 16,042	$ 203	$ 16,245	$ 9,365	$ 78,588	$ 42,862
2033	$ 51,250	$ 10,944	$ 4,377	$ (1,379)	$ 41,686	$ 46,468	$ 1,968	$ 327	$ -	$ 3,312	$ 15,172	$ 192	$ 15,364	$ 8,268	$ 86,857	$ 31,919
2034	$ 41,686	$ 10,944	$ 4,377	$ (1,379)	$ 32,121	$ 36,903	$ 1,847	$ 260	$ -	$ 2,630	$ 14,301	$ 181	$ 14,483	$ 7,275	$ 94,132	$ 20,975
2035	$ 32,121	$ 10,944	$ 4,377	$ (1,379)	$ 22,556	$ 27,339	$ 1,725	$ 193	$ -	$ 1,948	$ 13,431	$ 170	$ 13,601	$ 6,378	$ 100,510	$ 10,032
2036	$ 22,556	$ 10,032	$ 4,377	$ (1,187)	$ 13,712	$ 18,134	$ 1,417	$ 128	$ -	$ 1,292	$ 11,682	$ 148	$ 11,830	$ 5,178	$ 105,688	$ -
2037	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (16)	$ 105,672	$ -
2038	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (15)	$ 105,657	$ -
2039	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (14)	$ 105,643	$ -
2040	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (13)	$ 105,630	$ -
2041	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (12)	$ 105,618	$ -
2042	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (11)	$ 105,607	$ -
2043	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (11)	$ 105,596	$ -
2044	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (10)	$ 105,587	$ -
2045	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (9)	$ 105,577	$ -
2046	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (9)	$ 105,569	$ -
2047	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (8)	$ 105,561	$ -
2048	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (7)	$ 105,553	$ -
2049	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (7)	$ 105,546	$ -
2050	$ -	$ -	$ 4,377	$ 919	$ (919)	$ (460)	$ (925)	$ -	$ -	$ (33)	$ (39)	$ (0)	$ (39)	$ (7)	$ 105,540	$ -
2051	$ -	$ -	$ 4,013	$ 843	$ (843)	$ (421)	$ (848)	$ -	$ -	$ (30)	$ (35)	$ (0)	$ (36)	$ (6)	$ 105,534	$ -
2052	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2053	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2054	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 105,534	$ -

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - WWTP Reconditioning
Appendix L.SC.6.1

WWTP Reconditioning	$	627,618
Total PWRR	$	627,618

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Booster Pump Tract 200
Appendix L.SC.5.1

Booster Pump Tract 200	$	674,388
Total PWRR	$	674,388

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Booster Pump Tract 200
Appendix L.SC.5.2

PWRR $ 674,388

INPUTS

		Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
Annual O&M Increase/(Decrease)	$ (1,000)	2025				
Rate of Return	7.127%	1st Qtr	$ 38,801	$ 39,779	$ 5,316	$ 45,095
WA Cost of Debt	2.359%	2nd Qtr	$ 38,801	$ 40,038	$ 4,637	$ 44,675
Discount Rate	7.127%	3rd Qtr	$ 38,801	$ 40,299	$ 3,949	$ 44,248
AFUDC Rate	7.127%	4th Qtr	$ 38,801	$ 40,562	$ 3,252	$ 43,814
Escalation (Inflation) Rate	2.60%	2026				
Base Year	2024	1st Qtr	$ 116,404	$ 122,478	$ 7,638	$ 130,116
First Expenditure Year	2025	2nd Qtr	$ 116,404	$ 123,276	$ 5,491	$ 128,767
Plant In Service Year	2026	3rd Qtr	$ 116,404	$ 124,079	$ 3,316	$ 127,395
Plant In Service Month	12	4th Qtr	$ 116,404	$ 124,887	$ 1,113	$ 125,999
Useful Life	25	2027				
GDS Tax Life	25	1st Qtr	$ -	$ -	$ -	$ -
Property Taxes & Ins.	0.641%	2nd Qtr	$ -	$ -	$ -	$ -
Mill Tax & Bad Debt	1.251%	3rd Qtr	$ -	$ -	$ -	$ -
Federal Tax Rate	21%	4th Qtr	$ -	$ -	$ -	$ -
		Total Plant	$ 620,822	$ 655,397	$ 34,712	$ 690,109

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 690,109	$ 2,300	$ 2,300	$ -	$ 687,809	$ 688,959	$ 728	$ 368	$ (88)	$ 4,092	$ 7,400	$ 94	$ 7,494	$ 6,530	$ 6,530	$ 687,809
2027	$ 687,809	$ 27,604	$ 27,604	$ -	$ 660,205	$ 674,007	$ 8,543	$ 4,324	$ (1,080)	$ 48,036	$ 87,427	$ 1,108	$ 88,535	$ 72,014	$ 78,544	$ 660,205
2028	$ 660,205	$ 27,604	$ 27,604	$ -	$ 632,600	$ 646,402	$ 8,193	$ 4,147	$ (1,108)	$ 46,069	$ 84,905	$ 1,076	$ 85,980	$ 65,284	$ 143,828	$ 632,600
2029	$ 632,600	$ 27,604	$ 27,604	$ -	$ 604,996	$ 618,798	$ 7,843	$ 3,970	$ (1,137)	$ 44,102	$ 82,382	$ 1,044	$ 83,425	$ 59,129	$ 202,957	$ 604,996
2030	$ 604,996	$ 27,604	$ 27,604	$ -	$ 577,391	$ 591,194	$ 7,493	$ 3,792	$ (1,166)	$ 42,134	$ 79,858	$ 1,012	$ 80,870	$ 53,505	$ 256,462	$ 577,391
2031	$ 577,391	$ 27,604	$ 27,604	$ -	$ 549,787	$ 563,589	$ 7,143	$ 3,615	$ (1,197)	$ 40,167	$ 77,333	$ 980	$ 78,313	$ 48,366	$ 304,828	$ 549,787
2032	$ 549,787	$ 27,604	$ 27,604	$ -	$ 522,183	$ 535,985	$ 6,793	$ 3,438	$ (1,228)	$ 38,200	$ 74,808	$ 948	$ 75,755	$ 43,674	$ 348,502	$ 522,183
2033	$ 522,183	$ 27,604	$ 27,604	$ -	$ 494,578	$ 508,381	$ 6,443	$ 3,261	$ (1,260)	$ 36,232	$ 72,281	$ 916	$ 73,197	$ 39,392	$ 387,894	$ 494,578
2034	$ 494,578	$ 27,604	$ 27,604	$ -	$ 466,974	$ 480,776	$ 6,094	$ 3,084	$ (1,293)	$ 34,265	$ 69,754	$ 884	$ 70,638	$ 35,485	$ 423,379	$ 466,974
2035	$ 466,974	$ 27,604	$ 27,604	$ -	$ 439,370	$ 453,172	$ 5,744	$ 2,907	$ (1,326)	$ 32,298	$ 67,226	$ 852	$ 68,078	$ 31,924	$ 455,303	$ 439,370
2036	$ 439,370	$ 27,604	$ 27,604	$ -	$ 411,765	$ 425,567	$ 5,394	$ 2,730	$ (1,361)	$ 30,330	$ 64,698	$ 820	$ 65,517	$ 28,679	$ 483,983	$ 411,765
2037	$ 411,765	$ 27,604	$ 27,604	$ -	$ 384,161	$ 397,963	$ 5,044	$ 2,553	$ (1,396)	$ 28,363	$ 62,168	$ 788	$ 62,956	$ 25,725	$ 509,707	$ 384,161
2038	$ 384,161	$ 27,604	$ 27,604	$ -	$ 356,556	$ 370,359	$ 4,694	$ 2,376	$ (1,432)	$ 26,395	$ 59,637	$ 756	$ 60,393	$ 23,036	$ 532,743	$ 356,556
2039	$ 356,556	$ 27,604	$ 27,604	$ -	$ 328,952	$ 342,754	$ 4,344	$ 2,199	$ (1,470)	$ 24,428	$ 57,106	$ 724	$ 57,829	$ 20,590	$ 553,333	$ 328,952
2040	$ 328,952	$ 27,604	$ 27,604	$ -	$ 301,348	$ 315,150	$ 3,994	$ 2,022	$ (1,508)	$ 22,461	$ 54,573	$ 691	$ 55,265	$ 18,368	$ 571,701	$ 301,348
2041	$ 301,348	$ 27,604	$ 27,604	$ -	$ 273,743	$ 287,546	$ 3,644	$ 1,845	$ (1,547)	$ 20,493	$ 52,040	$ 659	$ 52,699	$ 16,350	$ 588,051	$ 273,743
2042	$ 273,743	$ 27,604	$ 27,604	$ -	$ 246,139	$ 259,941	$ 3,295	$ 1,667	$ (1,587)	$ 18,526	$ 49,505	$ 627	$ 50,132	$ 14,519	$ 602,570	$ 246,139
2043	$ 246,139	$ 27,604	$ 27,604	$ -	$ 218,535	$ 232,337	$ 2,945	$ 1,490	$ (1,629)	$ 16,559	$ 46,970	$ 595	$ 47,565	$ 12,859	$ 615,429	$ 218,535
2044	$ 218,535	$ 27,604	$ 27,604	$ -	$ 190,930	$ 204,732	$ 2,595	$ 1,313	$ (1,671)	$ 14,591	$ 44,433	$ 563	$ 44,996	$ 11,355	$ 626,785	$ 190,930
2045	$ 190,930	$ 27,604	$ 27,604	$ -	$ 163,326	$ 177,128	$ 2,245	$ 1,136	$ (1,714)	$ 12,624	$ 41,895	$ 531	$ 42,426	$ 9,994	$ 636,779	$ 163,326
2046	$ 163,326	$ 27,604	$ 27,604	$ -	$ 135,721	$ 149,524	$ 1,895	$ 959	$ (1,759)	$ 10,657	$ 39,356	$ 499	$ 39,855	$ 8,764	$ 645,543	$ 135,721
2047	$ 135,721	$ 27,604	$ 27,604	$ -	$ 108,117	$ 121,919	$ 1,545	$ 782	$ (1,805)	$ 8,689	$ 36,816	$ 466	$ 37,283	$ 7,653	$ 653,196	$ 108,117
2048	$ 108,117	$ 27,604	$ 27,604	$ -	$ 80,513	$ 94,315	$ 1,195	$ 605	$ (1,852)	$ 6,722	$ 34,275	$ 434	$ 34,709	$ 6,651	$ 659,847	$ 80,513
2049	$ 80,513	$ 27,604	$ 27,604	$ -	$ 52,908	$ 66,711	$ 846	$ 428	$ (1,900)	$ 4,754	$ 31,733	$ 402	$ 32,135	$ 5,748	$ 665,595	$ 52,908
2050	$ 52,908	$ 27,604	$ 27,604	$ -	$ 25,304	$ 39,106	$ 496	$ 251	$ (1,949)	$ 2,787	$ 29,189	$ 370	$ 29,559	$ 4,935	$ 670,530	$ 25,304
2051	$ 25,304	$ 25,304	$ 25,304	$ -	$ (0)	$ 12,652	$ 160	$ 81	$ (2,000)	$ 902	$ 24,447	$ 310	$ 24,757	$ 3,859	$ 674,388	$ (0)
2052	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2053	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2054	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 674,388	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - WWTP Reconditioning
Appendix L.SC.6.2

PWRR $ 627,618

INPUTS

Annual O&M Increase/(Decrease)	$ (3,000)
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2026
Plant In Service Year	2026
Plant In Service Month	12
Useful Life	28
GDS Tax Life	25
Property Taxes & Ins.	0.704%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2026				
1st Qtr	$ 152,299	$ 160,246	$ 9,993	$ 170,239
2nd Qtr	$ 152,299	$ 161,289	$ 7,184	$ 168,474
3rd Qtr	$ 152,299	$ 162,340	$ 4,339	$ 166,679
4th Qtr	$ 152,299	$ 163,398	$ 1,456	$ 164,853
2027				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
2028				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 609,196	$ 647,273	$ 22,972	$ 670,244

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 670,244	$ 1,995	$ 2,234	$ 50	$ 668,199	$ 669,222	$ 657	$ 393	$ (263)	$ 3,975	$ 6,886	$ 86	$ 6,892	$ 6,006	$ 6,006	$ 668,250
2027	$ 668,199	$ 23,937	$ 26,810	$ 603	$ 643,659	$ 655,929	$ 7,710	$ 4,621	$ (3,240)	$ 46,748	$ 80,379	$ 1,018	$ 81,398	$ 66,209	$ 72,214	$ 644,312
2028	$ 643,659	$ 23,937	$ 26,810	$ 603	$ 619,118	$ 631,389	$ 7,399	$ 4,448	$ (3,324)	$ 44,999	$ 78,062	$ 989	$ 79,051	$ 60,022	$ 132,237	$ 620,375
2029	$ 619,118	$ 23,937	$ 26,810	$ 603	$ 594,578	$ 606,848	$ 7,088	$ 4,275	$ (3,411)	$ 43,250	$ 75,743	$ 960	$ 76,702	$ 54,364	$ 186,601	$ 596,438
2030	$ 594,578	$ 23,937	$ 26,810	$ 603	$ 570,037	$ 582,308	$ 6,777	$ 4,102	$ (3,499)	$ 41,501	$ 73,421	$ 930	$ 74,351	$ 49,192	$ 235,793	$ 572,501
2031	$ 570,037	$ 23,937	$ 26,810	$ 603	$ 545,497	$ 557,767	$ 6,466	$ 3,929	$ (3,590)	$ 39,752	$ 71,097	$ 901	$ 71,998	$ 44,466	$ 280,259	$ 548,563
2032	$ 545,497	$ 23,937	$ 26,810	$ 603	$ 520,956	$ 533,227	$ 6,155	$ 3,756	$ (3,684)	$ 38,003	$ 68,771	$ 871	$ 69,642	$ 40,150	$ 320,409	$ 524,626
2033	$ 520,956	$ 23,937	$ 26,810	$ 603	$ 496,416	$ 508,686	$ 5,844	$ 3,583	$ (3,780)	$ 36,254	$ 66,442	$ 842	$ 67,284	$ 36,210	$ 356,618	$ 500,689
2034	$ 496,416	$ 23,937	$ 26,810	$ 603	$ 471,875	$ 484,146	$ 5,533	$ 3,410	$ (3,878)	$ 34,505	$ 64,111	$ 812	$ 64,923	$ 32,615	$ 389,233	$ 476,751
2035	$ 471,875	$ 23,937	$ 26,810	$ 603	$ 447,335	$ 459,605	$ 5,222	$ 3,238	$ (3,979)	$ 32,756	$ 61,777	$ 783	$ 62,560	$ 29,337	$ 418,570	$ 452,814
2036	$ 447,335	$ 23,937	$ 26,810	$ 603	$ 422,794	$ 435,064	$ 4,911	$ 3,065	$ (4,082)	$ 31,007	$ 59,441	$ 753	$ 60,194	$ 26,349	$ 444,919	$ 428,877
2037	$ 422,794	$ 23,937	$ 26,810	$ 603	$ 398,254	$ 410,524	$ 4,600	$ 2,892	$ (4,188)	$ 29,258	$ 57,102	$ 723	$ 57,826	$ 23,628	$ 468,547	$ 404,939
2038	$ 398,254	$ 23,937	$ 26,810	$ 603	$ 373,713	$ 385,983	$ 4,289	$ 2,719	$ (4,297)	$ 27,509	$ 54,760	$ 694	$ 55,454	$ 21,152	$ 489,699	$ 381,002
2039	$ 373,713	$ 23,937	$ 26,810	$ 603	$ 349,173	$ 361,443	$ 3,978	$ 2,546	$ (4,409)	$ 25,760	$ 52,416	$ 664	$ 53,080	$ 18,899	$ 508,598	$ 357,065
2040	$ 349,173	$ 23,937	$ 26,810	$ 603	$ 324,632	$ 336,902	$ 3,667	$ 2,373	$ (4,524)	$ 24,011	$ 50,068	$ 634	$ 50,702	$ 16,852	$ 525,450	$ 333,127
2041	$ 324,632	$ 23,937	$ 26,810	$ 603	$ 300,092	$ 312,362	$ 3,356	$ 2,200	$ (4,641)	$ 22,262	$ 47,718	$ 605	$ 48,322	$ 14,992	$ 540,442	$ 309,190
2042	$ 300,092	$ 23,937	$ 26,810	$ 603	$ 275,551	$ 287,821	$ 3,045	$ 2,027	$ (4,762)	$ 20,513	$ 45,364	$ 575	$ 45,939	$ 13,304	$ 553,747	$ 285,253
2043	$ 275,551	$ 23,937	$ 26,810	$ 603	$ 251,011	$ 263,281	$ 2,734	$ 1,855	$ (4,886)	$ 18,764	$ 43,007	$ 545	$ 43,552	$ 11,774	$ 565,521	$ 261,316
2044	$ 251,011	$ 23,937	$ 26,810	$ 603	$ 226,470	$ 238,740	$ 2,423	$ 1,682	$ (5,013)	$ 17,015	$ 40,647	$ 515	$ 41,162	$ 10,388	$ 575,909	$ 237,378
2045	$ 226,470	$ 23,937	$ 26,810	$ 603	$ 201,930	$ 214,200	$ 2,112	$ 1,509	$ (5,143)	$ 15,266	$ 38,284	$ 485	$ 38,769	$ 9,133	$ 585,042	$ 213,441
2046	$ 201,930	$ 23,937	$ 26,810	$ 603	$ 177,389	$ 189,659	$ 1,801	$ 1,336	$ (5,277)	$ 13,517	$ 35,917	$ 455	$ 36,373	$ 7,998	$ 593,040	$ 189,504
2047	$ 177,389	$ 23,937	$ 26,810	$ 603	$ 152,848	$ 165,119	$ 1,490	$ 1,163	$ (5,414)	$ 11,768	$ 33,547	$ 425	$ 33,972	$ 6,973	$ 600,013	$ 165,566
2048	$ 152,848	$ 23,937	$ 26,810	$ 603	$ 128,308	$ 140,578	$ 1,179	$ 990	$ (5,555)	$ 10,019	$ 31,174	$ 395	$ 31,569	$ 6,049	$ 606,062	$ 141,629
2049	$ 128,308	$ 23,937	$ 26,810	$ 603	$ 103,767	$ 116,038	$ 867	$ 817	$ (5,699)	$ 8,270	$ 28,796	$ 365	$ 29,161	$ 5,216	$ 611,278	$ 117,692
2050	$ 103,767	$ 23,937	$ 26,810	$ 603	$ 79,227	$ 91,497	$ 556	$ 645	$ (5,847)	$ 6,521	$ 26,415	$ 335	$ 26,750	$ 4,466	$ 615,745	$ 93,754
2051	$ 79,227	$ 23,937	$ 24,576	$ 134	$ 55,156	$ 67,191	$ 718	$ 473	$ (5,999)	$ 4,789	$ 24,052	$ 305	$ 24,356	$ 3,796	$ 619,541	$ 69,817
2052	$ 55,156	$ 23,937	$ -	$ (5,027)	$ 36,245	$ 45,700	$ 5,606	$ 322	$ (6,155)	$ 3,257	$ 21,940	$ 278	$ 22,218	$ 3,233	$ 622,773	$ 45,880
2053	$ 36,245	$ 23,937	$ -	$ (5,027)	$ 17,335	$ 26,790	$ 5,366	$ 189	$ (6,315)	$ 1,909	$ 20,060	$ 254	$ 20,314	$ 2,759	$ 625,532	$ 21,943
2054	$ 17,335	$ 21,943	$ -	$ (4,608)	$ (0)	$ 8,667	$ 4,718	$ 61	$ (6,480)	$ 618	$ 16,252	$ 206	$ 16,458	$ 2,086	$ 627,618	$ (0)
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)
2076	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 627,618	$ (0)

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Rehab WWTP Lift Station
Appendix L.SC.7.1

Rehab WWTP Lift Station	$	330,942
Total PWRR	$	330,942

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Rehab WWTP Lift Station
Appendix L.SC.7.2

PWRR $ 330,942

INPUTS

Annual O&M Increase/(Decrease)	$ -
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2025
Plant In Service Year	2025
Plant In Service Month	12
Useful Life	28
GDS Tax Life	25
Property Taxes & Ins.	0.704%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2025				
1st Qtr	$ 71,839	$ 73,649	$ 4,593	$ 78,242
2nd Qtr	$ 71,839	$ 74,129	$ 3,302	$ 77,431
3rd Qtr	$ 71,839	$ 74,612	$ 1,994	$ 76,606
4th Qtr	$ 71,839	$ 75,098	$ 669	$ 75,767
2026				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
2027				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 287,356	$ 297,489	$ 10,558	$ 308,047

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2025	$ 308,047	$ 917	$ 1,027	$ 23	$ 307,107	$ 307,577	$ 302	$ 181	$ -	$ 1,827	$ 3,249	$ 41	$ 3,290	$ 3,071	$ 3,071	$ 307,130
2026	$ 307,107	$ 11,002	$ 12,322	$ 277	$ 295,828	$ 301,468	$ 3,544	$ 2,124	$ -	$ 21,486	$ 38,432	$ 487	$ 38,919	$ 33,913	$ 36,984	$ 296,129
2027	$ 295,828	$ 11,002	$ 12,322	$ 277	$ 284,549	$ 290,189	$ 3,401	$ 2,044	$ -	$ 20,682	$ 37,406	$ 474	$ 37,880	$ 30,811	$ 67,795	$ 285,127
2028	$ 284,549	$ 11,002	$ 12,322	$ 277	$ 273,270	$ 278,910	$ 3,258	$ 1,965	$ -	$ 19,878	$ 36,379	$ 461	$ 36,840	$ 27,972	$ 95,767	$ 274,125
2029	$ 273,270	$ 11,002	$ 12,322	$ 277	$ 261,991	$ 267,631	$ 3,115	$ 1,885	$ -	$ 19,074	$ 35,353	$ 448	$ 35,801	$ 25,375	$ 121,142	$ 263,124
2030	$ 261,991	$ 11,002	$ 12,322	$ 277	$ 250,713	$ 256,352	$ 2,972	$ 1,806	$ -	$ 18,270	$ 34,327	$ 435	$ 34,762	$ 22,999	$ 144,141	$ 252,122
2031	$ 250,713	$ 11,002	$ 12,322	$ 277	$ 239,434	$ 245,073	$ 2,829	$ 1,726	$ -	$ 17,466	$ 33,301	$ 422	$ 33,722	$ 20,827	$ 164,968	$ 241,120
2032	$ 239,434	$ 11,002	$ 12,322	$ 277	$ 228,155	$ 233,794	$ 2,686	$ 1,647	$ -	$ 16,663	$ 32,274	$ 409	$ 32,683	$ 18,842	$ 183,810	$ 230,118
2033	$ 228,155	$ 11,002	$ 12,322	$ 277	$ 216,876	$ 222,515	$ 2,543	$ 1,567	$ -	$ 15,859	$ 31,248	$ 396	$ 31,644	$ 17,029	$ 200,840	$ 219,117
2034	$ 216,876	$ 11,002	$ 12,322	$ 277	$ 205,597	$ 211,236	$ 2,400	$ 1,488	$ -	$ 15,055	$ 30,222	$ 383	$ 30,605	$ 15,374	$ 216,214	$ 208,115
2035	$ 205,597	$ 11,002	$ 12,322	$ 277	$ 194,318	$ 199,957	$ 2,257	$ 1,409	$ -	$ 14,251	$ 29,196	$ 370	$ 29,565	$ 13,864	$ 230,078	$ 197,113
2036	$ 194,318	$ 11,002	$ 12,322	$ 277	$ 183,039	$ 188,678	$ 2,114	$ 1,329	$ -	$ 13,447	$ 28,169	$ 357	$ 28,526	$ 12,487	$ 242,565	$ 186,112
2037	$ 183,039	$ 11,002	$ 12,322	$ 277	$ 171,760	$ 177,400	$ 1,971	$ 1,250	$ -	$ 12,643	$ 27,143	$ 344	$ 27,487	$ 11,232	$ 253,797	$ 175,110
2038	$ 171,760	$ 11,002	$ 12,322	$ 277	$ 160,481	$ 166,121	$ 1,828	$ 1,170	$ -	$ 11,839	$ 26,117	$ 331	$ 26,448	$ 10,088	$ 263,885	$ 164,108
2039	$ 160,481	$ 11,002	$ 12,322	$ 277	$ 149,202	$ 154,842	$ 1,685	$ 1,091	$ -	$ 11,036	$ 25,091	$ 318	$ 25,408	$ 9,047	$ 272,931	$ 153,107
2040	$ 149,202	$ 11,002	$ 12,322	$ 277	$ 137,923	$ 143,563	$ 1,542	$ 1,011	$ -	$ 10,232	$ 24,064	$ 305	$ 24,369	$ 8,099	$ 281,031	$ 142,105
2041	$ 137,923	$ 11,002	$ 12,322	$ 277	$ 126,644	$ 132,284	$ 1,399	$ 932	$ -	$ 9,428	$ 23,038	$ 292	$ 23,330	$ 7,238	$ 288,269	$ 131,103
2042	$ 126,644	$ 11,002	$ 12,322	$ 277	$ 115,365	$ 121,005	$ 1,256	$ 852	$ -	$ 8,624	$ 22,012	$ 279	$ 22,291	$ 6,456	$ 294,725	$ 120,102
2043	$ 115,365	$ 11,002	$ 12,322	$ 277	$ 104,087	$ 109,726	$ 1,113	$ 773	$ -	$ 7,820	$ 20,986	$ 266	$ 21,251	$ 5,745	$ 300,470	$ 109,100
2044	$ 104,087	$ 11,002	$ 12,322	$ 277	$ 92,808	$ 98,447	$ 971	$ 693	$ -	$ 7,016	$ 19,959	$ 253	$ 20,212	$ 5,101	$ 305,571	$ 98,098
2045	$ 92,808	$ 11,002	$ 12,322	$ 277	$ 81,529	$ 87,168	$ 828	$ 614	$ -	$ 6,212	$ 18,933	$ 240	$ 19,173	$ 4,517	$ 310,087	$ 87,097
2046	$ 81,529	$ 11,002	$ 12,322	$ 277	$ 70,250	$ 75,889	$ 685	$ 535	$ -	$ 5,409	$ 17,907	$ 227	$ 18,134	$ 3,988	$ 314,075	$ 76,095
2047	$ 70,250	$ 11,002	$ 12,322	$ 277	$ 58,971	$ 64,610	$ 542	$ 455	$ -	$ 4,605	$ 16,880	$ 214	$ 17,094	$ 3,509	$ 317,584	$ 65,093
2048	$ 58,971	$ 11,002	$ 12,322	$ 277	$ 47,692	$ 53,331	$ 399	$ 376	$ -	$ 3,801	$ 15,854	$ 201	$ 16,055	$ 3,076	$ 320,660	$ 54,092
2049	$ 47,692	$ 11,002	$ 12,322	$ 277	$ 36,413	$ 42,052	$ 256	$ 296	$ -	$ 2,997	$ 14,828	$ 188	$ 15,016	$ 2,686	$ 323,346	$ 43,090
2050	$ 36,413	$ 11,002	$ 11,295	$ 62	$ 25,350	$ 30,881	$ 330	$ 218	$ -	$ 2,201	$ 13,812	$ 175	$ 13,987	$ 2,335	$ 325,681	$ 32,088
2051	$ 25,350	$ 11,002	$ -	$ (2,310)	$ 16,658	$ 21,004	$ 2,577	$ 148	$ -	$ 1,497	$ 12,913	$ 164	$ 13,076	$ 2,038	$ 327,719	$ 21,087
2052	$ 16,658	$ 11,002	$ -	$ (2,310)	$ 7,967	$ 12,313	$ 2,466	$ 87	$ -	$ 878	$ 12,122	$ 154	$ 12,276	$ 1,786	$ 329,505	$ 10,085
2053	$ 7,967	$ 10,085	$ -	$ (2,118)	$ 0	$ 3,984	$ 2,168	$ 28	$ -	$ 284	$ 10,447	$ 132	$ 10,580	$ 1,437	$ 330,942	$ 0
2054	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2055	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2056	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2057	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2058	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2059	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2060	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2061	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2062	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2063	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2064	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2065	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2066	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2067	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2068	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2069	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2070	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2071	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2072	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2073	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2074	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0
2075	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 330,942	$ 0

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Replace Tract 200 High Tank
Appendix L.SC.3.1

Replace Tract 200 High Tank	$	1,193,567
Total PWRR	$	1,193,567

GBWC 2024 INTEGRATED RESOURCE PLAN
Spring Creek Division - Replace Tract 200 High Tank
Appendix L.SC.3.2

PWRR **$ 1,193,567**

INPUTS

Annual O&M Increase/(Decrease)	$ (1,500)
Rate of Return	7.127%
WA Cost of Debt	2.359%
Discount Rate	7.127%
AFUDC Rate	7.127%
Escalation (Inflation) Rate	2.60%
Base Year	2024
First Expenditure Year	2025
Plant In Service Year	2026
Plant In Service Month	12
Useful Life	50
GDS Tax Life	25
Property Taxes & Ins.	0.641%
Mill Tax & Bad Debt	1.251%
Federal Tax Rate	21%

Additional Future Capital Investment	Present Value	Future Value	Useful Life	GDS Tax Life
Capital Additions	$ -	$0	15	25

Project Timeline	Total Cash Outlay	Future Value Cash/Year	AFUDC	Total Cost
2025				
1st Qtr	$ 68,426	$ 70,151	$ 9,374	$ 79,525
2nd Qtr	$ 68,426	$ 70,608	$ 8,177	$ 78,785
3rd Qtr	$ 68,426	$ 71,068	$ 6,964	$ 78,032
4th Qtr	$ 68,426	$ 71,531	$ 5,735	$ 77,266
2026				
1st Qtr	$ 205,279	$ 215,990	$ 13,469	$ 229,459
2nd Qtr	$ 205,279	$ 217,397	$ 9,684	$ 227,081
3rd Qtr	$ 205,279	$ 218,813	$ 5,848	$ 224,661
4th Qtr	$ 205,279	$ 220,239	$ 1,962	$ 222,201
2027				
1st Qtr	$ -	$ -	$ -	$ -
2nd Qtr	$ -	$ -	$ -	$ -
3rd Qtr	$ -	$ -	$ -	$ -
4th Qtr	$ -	$ -	$ -	$ -
Total Plant	$ 1,094,822	$ 1,155,796	$ 61,215	$ 1,217,010

PWRR CALCULATION

Year	Beginning Rate Base	Book Depreciation	Tax Depreciation	Deferred Taxes	Ending Rate Base	Average Rate Base	Current Income Tax	Property Tax & Insurance	O&M Expense	Revenue	Sub Total Revenue Requirement	Mill Tax & Bad Debt	Revenue Requirement	PV Revenue Requirement	Cum PV Revenue Requirement	Net Book Value
2026	$ 1,217,010	$ 2,028	$ 4,057	$ 426	$ 1,214,556	$ 1,215,783	$ 858	$ 650	$ (132)	$ 7,221	$ 11,052	$ 140	$ 11,192	$ 9,752	$ 9,752	$ 1,214,982
2027	$ 1,214,556	$ 24,340	$ 48,680	$ 5,111	$ 1,185,104	$ 1,199,830	$ 10,096	$ 7,697	$ (1,620)	$ 85,512	$ 131,136	$ 1,662	$ 132,797	$ 108,017	$ 117,769	$ 1,190,642
2028	$ 1,185,104	$ 24,340	$ 48,680	$ 5,111	$ 1,155,653	$ 1,170,379	$ 9,722	$ 7,508	$ (1,662)	$ 83,413	$ 128,433	$ 1,627	$ 130,060	$ 98,752	$ 216,522	$ 1,166,302
2029	$ 1,155,653	$ 24,340	$ 48,680	$ 5,111	$ 1,126,201	$ 1,140,927	$ 9,349	$ 7,319	$ (1,705)	$ 81,314	$ 125,728	$ 1,593	$ 127,321	$ 90,241	$ 306,763	$ 1,141,961
2030	$ 1,126,201	$ 24,340	$ 48,680	$ 5,111	$ 1,096,749	$ 1,111,475	$ 8,976	$ 7,130	$ (1,750)	$ 79,215	$ 123,023	$ 1,559	$ 124,581	$ 82,425	$ 389,188	$ 1,117,621
2031	$ 1,096,749	$ 24,340	$ 48,680	$ 5,111	$ 1,067,298	$ 1,082,024	$ 8,603	$ 6,941	$ (1,795)	$ 77,116	$ 120,316	$ 1,524	$ 121,840	$ 75,249	$ 464,437	$ 1,093,281
2032	$ 1,067,298	$ 24,340	$ 48,680	$ 5,111	$ 1,037,846	$ 1,052,572	$ 8,229	$ 6,752	$ (1,842)	$ 75,017	$ 117,608	$ 1,490	$ 119,098	$ 68,661	$ 533,098	$ 1,068,941
2033	$ 1,037,846	$ 24,340	$ 48,680	$ 5,111	$ 1,008,395	$ 1,023,120	$ 7,856	$ 6,563	$ (1,890)	$ 72,918	$ 114,899	$ 1,456	$ 116,355	$ 62,617	$ 595,715	$ 1,044,601
2034	$ 1,008,395	$ 24,340	$ 48,680	$ 5,111	$ 978,943	$ 993,669	$ 7,483	$ 6,374	$ (1,939)	$ 70,819	$ 112,188	$ 1,421	$ 113,610	$ 57,072	$ 652,788	$ 1,020,260
2035	$ 978,943	$ 24,340	$ 48,680	$ 5,111	$ 949,491	$ 964,217	$ 7,109	$ 6,185	$ (1,989)	$ 68,720	$ 109,477	$ 1,387	$ 110,864	$ 51,988	$ 704,776	$ 995,920
2036	$ 949,491	$ 24,340	$ 48,680	$ 5,111	$ 920,040	$ 934,765	$ 6,736	$ 5,996	$ (2,041)	$ 66,621	$ 106,764	$ 1,353	$ 108,117	$ 47,327	$ 752,102	$ 971,580
2037	$ 920,040	$ 24,340	$ 48,680	$ 5,111	$ 890,588	$ 905,314	$ 6,363	$ 5,807	$ (2,094)	$ 64,522	$ 104,050	$ 1,318	$ 105,368	$ 43,055	$ 795,157	$ 947,240
2038	$ 890,588	$ 24,340	$ 48,680	$ 5,111	$ 861,136	$ 875,862	$ 5,990	$ 5,619	$ (2,149)	$ 62,423	$ 101,334	$ 1,284	$ 102,618	$ 39,142	$ 834,299	$ 922,900
2039	$ 861,136	$ 24,340	$ 48,680	$ 5,111	$ 831,685	$ 846,410	$ 5,616	$ 5,430	$ (2,204)	$ 60,324	$ 98,617	$ 1,249	$ 99,866	$ 35,558	$ 869,856	$ 898,559
2040	$ 831,685	$ 24,340	$ 48,680	$ 5,111	$ 802,233	$ 816,959	$ 5,243	$ 5,241	$ (2,262)	$ 58,225	$ 95,898	$ 1,215	$ 97,113	$ 32,277	$ 902,134	$ 874,219
2041	$ 802,233	$ 24,340	$ 48,680	$ 5,111	$ 772,781	$ 787,507	$ 4,870	$ 5,052	$ (2,321)	$ 56,126	$ 93,178	$ 1,181	$ 94,359	$ 29,275	$ 931,409	$ 849,879
2042	$ 772,781	$ 24,340	$ 48,680	$ 5,111	$ 743,330	$ 758,055	$ 4,496	$ 4,863	$ (2,381)	$ 54,027	$ 90,457	$ 1,146	$ 91,603	$ 26,529	$ 957,938	$ 825,539
2043	$ 743,330	$ 24,340	$ 48,680	$ 5,111	$ 713,878	$ 728,604	$ 4,123	$ 4,674	$ (2,443)	$ 51,928	$ 87,734	$ 1,112	$ 88,845	$ 24,019	$ 981,957	$ 801,199
2044	$ 713,878	$ 24,340	$ 48,680	$ 5,111	$ 684,426	$ 699,152	$ 3,750	$ 4,485	$ (2,506)	$ 49,829	$ 85,009	$ 1,077	$ 86,086	$ 21,725	$ 1,003,682	$ 776,858
2045	$ 684,426	$ 24,340	$ 48,680	$ 5,111	$ 654,975	$ 669,701	$ 3,377	$ 4,296	$ (2,571)	$ 47,730	$ 82,282	$ 1,043	$ 83,325	$ 19,629	$ 1,023,311	$ 752,518
2046	$ 654,975	$ 24,340	$ 48,680	$ 5,111	$ 625,523	$ 640,249	$ 3,003	$ 4,107	$ (2,638)	$ 45,631	$ 79,554	$ 1,008	$ 80,562	$ 17,716	$ 1,041,026	$ 728,178
2047	$ 625,523	$ 24,340	$ 48,680	$ 5,111	$ 596,071	$ 610,797	$ 2,630	$ 3,918	$ (2,707)	$ 43,532	$ 76,824	$ 973	$ 77,798	$ 15,970	$ 1,056,996	$ 703,838
2048	$ 596,071	$ 24,340	$ 48,680	$ 5,111	$ 566,620	$ 581,346	$ 2,257	$ 3,729	$ (2,777)	$ 41,432	$ 74,093	$ 939	$ 75,032	$ 14,327	$ 1,071,323	$ 679,497
2049	$ 566,620	$ 24,340	$ 48,680	$ 5,111	$ 537,168	$ 551,894	$ 1,883	$ 3,540	$ (2,850)	$ 39,333	$ 71,359	$ 904	$ 72,264	$ 12,925	$ 1,084,248	$ 655,157
2050	$ 537,168	$ 24,340	$ 48,680	$ 5,111	$ 507,716	$ 522,442	$ 1,510	$ 3,351	$ (2,924)	$ 37,234	$ 68,624	$ 869	$ 69,494	$ 11,603	$ 1,095,901	$ 630,817
2051	$ 507,716	$ 24,340	$ 44,624	$ 4,260	$ 479,117	$ 493,417	$ 1,994	$ 3,165	$ (3,000)	$ 35,166	$ 65,925	$ 835	$ 66,761	$ 10,405	$ 1,106,307	$ 606,477
2052	$ 479,117	$ 24,340	$ -	$ (5,111)	$ 459,888	$ 469,502	$ 11,062	$ 3,012	$ (3,078)	$ 33,461	$ 63,686	$ 807	$ 64,493	$ 9,383	$ 1,115,690	$ 582,137
2053	$ 459,888	$ 24,340	$ -	$ (5,111)	$ 440,659	$ 450,274	$ 10,818	$ 2,888	$ (3,158)	$ 32,091	$ 61,869	$ 784	$ 62,653	$ 8,509	$ 1,124,199	$ 557,796
2054	$ 440,659	$ 24,340	$ -	$ (5,111)	$ 421,430	$ 431,045	$ 10,575	$ 2,765	$ (3,240)	$ 30,721	$ 60,049	$ 761	$ 60,810	$ 7,709	$ 1,131,908	$ 533,456
2055	$ 421,430	$ 24,340	$ -	$ (5,111)	$ 402,202	$ 411,816	$ 10,331	$ 2,642	$ (3,324)	$ 29,350	$ 58,228	$ 738	$ 58,965	$ 6,978	$ 1,138,886	$ 509,116
2056	$ 402,202	$ 24,340	$ -	$ (5,111)	$ 382,973	$ 392,587	$ 10,087	$ 2,518	$ (3,410)	$ 27,980	$ 56,404	$ 715	$ 57,118	$ 6,310	$ 1,145,195	$ 484,776
2057	$ 382,973	$ 24,340	$ -	$ (5,111)	$ 363,744	$ 373,359	$ 9,844	$ 2,395	$ (3,499)	$ 26,609	$ 54,578	$ 692	$ 55,269	$ 5,699	$ 1,150,895	$ 460,436
2058	$ 363,744	$ 24,340	$ -	$ (5,111)	$ 344,515	$ 354,130	$ 9,600	$ 2,272	$ (3,590)	$ 25,239	$ 52,749	$ 668	$ 53,417	$ 5,142	$ 1,156,036	$ 436,095
2059	$ 344,515	$ 24,340	$ -	$ (5,111)	$ 325,287	$ 334,901	$ 9,356	$ 2,148	$ (3,683)	$ 23,868	$ 50,918	$ 645	$ 51,563	$ 4,633	$ 1,160,670	$ 411,755
2060	$ 325,287	$ 24,340	$ -	$ (5,111)	$ 306,058	$ 315,672	$ 9,112	$ 2,025	$ (3,779)	$ 22,498	$ 49,085	$ 622	$ 49,707	$ 4,169	$ 1,164,839	$ 387,415
2061	$ 306,058	$ 24,340	$ -	$ (5,111)	$ 286,829	$ 296,443	$ 8,869	$ 1,902	$ (3,877)	$ 21,128	$ 47,249	$ 599	$ 47,848	$ 3,746	$ 1,168,585	$ 363,075
2062	$ 286,829	$ 24,340	$ -	$ (5,111)	$ 267,600	$ 277,215	$ 8,625	$ 1,778	$ (3,978)	$ 19,757	$ 45,411	$ 575	$ 45,986	$ 3,361	$ 1,171,946	$ 338,735
2063	$ 267,600	$ 24,340	$ -	$ (5,111)	$ 248,372	$ 257,986	$ 8,381	$ 1,655	$ (4,082)	$ 18,387	$ 43,570	$ 552	$ 44,122	$ 3,010	$ 1,174,956	$ 314,394
2064	$ 248,372	$ 24,340	$ -	$ (5,111)	$ 229,143	$ 238,757	$ 8,138	$ 1,532	$ (4,188)	$ 17,016	$ 41,726	$ 529	$ 42,255	$ 2,691	$ 1,177,647	$ 290,054
2065	$ 229,143	$ 24,340	$ -	$ (5,111)	$ 209,914	$ 219,528	$ 7,894	$ 1,408	$ (4,297)	$ 15,646	$ 39,880	$ 505	$ 40,385	$ 2,401	$ 1,180,048	$ 265,714
2066	$ 209,914	$ 24,340	$ -	$ (5,111)	$ 190,685	$ 200,300	$ 7,650	$ 1,285	$ (4,408)	$ 14,275	$ 38,031	$ 482	$ 38,513	$ 2,137	$ 1,182,185	$ 241,374
2067	$ 190,685	$ 24,340	$ -	$ (5,111)	$ 171,456	$ 181,071	$ 7,406	$ 1,162	$ (4,523)	$ 12,905	$ 36,179	$ 458	$ 36,637	$ 1,898	$ 1,184,083	$ 217,034
2068	$ 171,456	$ 24,340	$ -	$ (5,111)	$ 152,228	$ 161,842	$ 7,163	$ 1,038	$ (4,641)	$ 11,534	$ 34,324	$ 435	$ 34,758	$ 1,681	$ 1,185,764	$ 192,693
2069	$ 152,228	$ 24,340	$ -	$ (5,111)	$ 132,999	$ 142,613	$ 6,919	$ 915	$ (4,761)	$ 10,164	$ 32,465	$ 411	$ 32,877	$ 1,484	$ 1,187,248	$ 168,353
2070	$ 132,999	$ 24,340	$ -	$ (5,111)	$ 113,770	$ 123,385	$ 6,675	$ 791	$ (4,885)	$ 8,794	$ 30,604	$ 388	$ 30,992	$ 1,306	$ 1,188,554	$ 144,013
2071	$ 113,770	$ 24,340	$ -	$ (5,111)	$ 94,541	$ 104,156	$ 6,432	$ 668	$ (5,012)	$ 7,423	$ 28,740	$ 364	$ 29,104	$ 1,145	$ 1,189,699	$ 119,673
2072	$ 94,541	$ 24,340	$ -	$ (5,111)	$ 75,313	$ 84,927	$ 6,188	$ 545	$ (5,142)	$ 6,053	$ 26,872	$ 340	$ 27,212	$ 999	$ 1,190,698	$ 95,332
2073	$ 75,313	$ 24,340	$ -	$ (5,111)	$ 56,084	$ 65,698	$ 5,944	$ 421	$ (5,276)	$ 4,682	$ 25,001	$ 317	$ 25,317	$ 868	$ 1,191,566	$ 70,992
2074	$ 56,084	$ 24,340	$ -	$ (5,111)	$ 36,855	$ 46,470	$ 5,700	$ 298	$ (5,413)	$ 3,312	$ 23,126	$ 293	$ 23,419	$ 749	$ 1,192,315	$ 46,652
2075	$ 36,855	$ 24,340	$ -	$ (5,111)	$ 17,626	$ 27,241	$ 5,457	$ 175	$ (5,554)	$ 1,941	$ 21,248	$ 269	$ 21,517	$ 642	$ 1,192,957	$ 22,312
2076	$ 17,626	$ 22,312	$ -	$ (4,685)	$ 0	$ 8,813	$ 4,797	$ 57	$ (1,500)	$ 628	$ 21,608	$ 274	$ 21,882	$ 610	$ 1,193,567	$ 0