

**Board for Financing Water Projects  
Drinking Water State Revolving Fund  
June 2023**

**Drinking Water Program Funding Updates as of June 5, 2023**

<b>Cash in fund</b>		<b>\$92,252,481</b>
<b>Less debt service reserves</b>	<b>(5,962,293)</b>	
<b>Add undrawn grant balance</b>	<b>17,781,235.23</b>	
<b>Available for projects</b>		<b>\$104,071,423</b>
Committed funds not yet disbursed	20,820,851	
Add commitments for Board consideration	5,200,000	
Add commitments for project cost increases	97,000	
<b>Total committed funds after Board Approval</b>	<b>26,117,851</b>	
Add projects in discussion with OFA	2,683,750	
<b>Total committed and potential project loans</b>	<b>28,801,601</b>	
Lowest cash flow balance in three (3) years	\$78,845,398	

**Drinking Water Cash Flow Projections<sup>1</sup>**

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>
<b>Cash balance forward</b>	<b>\$79,947,863</b>	<b>\$102,032,571</b>	<b>\$98,103,007</b>
Receipts from grants awarded	18,701,060	25,449,280	26,753,880
Transfer to the CWSRF program <sup>2</sup>	0	(30,000,000)	0
Receipts from bonds issued	6,003,760	5,000,000	5,000,000
Receipts from treasurer's interest <sup>3</sup>	1,593,737	1,992,723	2,242,925
Receipts from loan principal	13,718,557	13,745,873	14,262,005
Receipts from loan interest	3,765,749	3,514,473	3,169,637
Payments for debt service on bonds	(3,252,119)	(3,045,025)	(2,960,238)
Payments for loan recipients <sup>3</sup>	(18,272,311)	(21,795,226)	(9,953,564)
Change in debt service reserves	(173,725)	1,208,338	(1,562,913)
<b>Cash balance forward</b>	<b>\$102,032,571</b>	<b>\$98,103,007</b>	<b>\$135,054,739</b>

<sup>2</sup>Transfer to CWSRF is dependent upon budget approval and EPA consent

<sup>3</sup>Estimated at 2% A.P.R. on undisbursed cash in the fund. Subject to change.

<sup>1</sup> Estimate only for planning purposes. All numbers are subject to change.



## Drinking Water Grant Conditions for Principal Forgiveness

<b>Current funds to obligate for principal forgiveness loans</b>		<b>\$6,378,382.12</b>
Less projects for board consideration	\$2,184,700	
<b>Remaining funds to obligate for principal forgiveness loans</b>	<b>\$4,193,682.12</b>	
Projects in discussion with NDEP	\$4,193,682.12	
Total Principal Forgiveness Funds for future commitments (estimated)		\$0
Forecasted 2023 DWSRF Base Grant Funding	\$2,622,480	
Forecasted 2023 DWSRF BIL Supplemental Grant Funding	\$10,696,700	
Forecasted Principal Forgiveness by October 2023		\$13,319,180

## Program Updates

### Drinking Water Project funding increases

No project commitments have increased since the last meeting.

### Statutory updates

#### **Assembly Bill 20 (BDR 40-227)**

- Signed by Governor Lombardo May 30, 2023.

#### **Expanding the use of Set-aside Activities in DWSRF (Sections 15, 16, 17, 18, 19)**

- Previous statutes limited the eligible uses of the set-aside activities to those other than “projects”. Federally, the DWSRF program is also eligible to provide loans and grants out of the set-aside funds that specifically fund projects for septic-to-sewer conversions, wellhead abandonment, and project planning.

#### **Housekeeping on the DWSRF (Sections 15, 18, 19, 20, 25)**

- Consistency with CWSRF, Federal Safe Drinking Water Act, and current practices
- Removal of specific funding types (loans, guarantees, refinancing)
- Legislative declaration to liberally interpret NRS for the benefit of water protection and infrastructure projects.

**Board for Financing Water Projects  
Capital Improvements Grant Program  
June 2023**

**Capital Improvements Grant Program Funding Update as of June 5, 2023**

<b>Current Cash<sup>1</sup>:</b>	<b>\$ 8,566,463.48</b>
<b>Reserved for Administration:</b>	<b>\$ 20,475.24</b>
<b>Committed bond funds not yet disbursed:</b>	<b>\$ 8,338,997.06</b>
<b>Projects for Consideration:</b>	<b>\$ 0.00</b>
<b>Un-committed funds:</b>	<b>\$ 380,693.22<sup>2</sup></b>

<b>Committed funds not yet disbursed:</b>			
GP2103	Las Vegas Valley Water District (Big Bend)	Treatment plant improvements; storage rehabilitation; distribution; electrical controls	\$ 1,078,995.19
GP2104	Alamo Sewer and Water GID	Arsenic Treatment	\$ 612,696.67
GP2105	Las Vegas Valley Water District (Blue Diamond)	Pipe replacement, storage, and backup well.	\$ 3,950,727.83
GP2201	Las Vegas Valley Water District (Big Bend)	Phase II Construction	\$ 568,000.00
GP2202	Golconda	Spring Rehabilitation	\$ 788,839.73
GP2203	Topaz Ranch Estates	New Redundant Source	\$ 1,339,737.64
<b>Total</b>			<b>\$ 8,338,997.06</b>

<b>Projects for consideration</b>	
<b>Total</b>	<b>\$0</b>
<b>Bond Proceeds for Administration</b>	

<b>Authorized</b>	G09-0721 Resolution July 29, 2021	\$10,000
	FY23 Budget Authority	(\$3,859)
<b>Remaining authority from 2021B</b>		<b>\$6,141</b>

<sup>1</sup> From all sources including bond proceeds, administration fees, and treasurer's interest.

<sup>2</sup> Includes estimated bond interest earnings for the next 12 months at 0.50%.

**Current Bond authority:**

<b>NRS 349.986(1):</b> The State Board of Finance shall issue general obligation bonds of the State of Nevada to support the purposes of the program established by <u>NRS 349.981</u> . The aggregate principal amount of such bonds outstanding at any one time may not exceed \$125,000,000.	\$125,000,000
<b>Outstanding general obligation bonds as of March 2, 2023</b>	(\$26,256,000)
<b>Available to request issuance</b>	\$98,744,000

As of: 6/5/2023

Bond Series	2019B	2020B	2021B
Legislative Authority	AB541 (80 <sup>th</sup> Session) \$3,000,000	AB541 (80 <sup>th</sup> Session) \$3,000,000	AB492 (81st Session) \$8,000,000
Date of Issuance	December 10, 2019	November 10, 2020	December 07, 2021
Initial Proceeds	\$ 1,526,618.00	\$ 1,556,536.30	\$ 8,082,775.25
<a href="#">Treasurer's Interest[1]</a>	\$ 31,257.11	\$ 35,770.89	\$ 166,725.24
Total Proceeds	\$ 1,557,875.11	\$ 1,592,307.19	\$ 8,249,500.49
6 months	\$ (20,132.60) 1.3%	\$ (55,695.10) 3.50%	\$ (81,028.81) 0.98%
12 months	\$ (262,838.19) 16.9%	\$ (55,695.10) 3.50%	\$ (81,028.81) 0.98%
18 months	\$ (311,949.59) 20.0%	\$ (55,695.10) 3.50%	\$ (83,639.27) 1.01%
24 months	\$ (523,027.87) 33.6%	\$ (55,695.10) 3.50%	0.00%
30 months	\$ (663,271.12) 42.6%	\$ (653,349.81) 41.03%	0.00%
36 months	\$ (954,927.48) 61.3%	\$ (1,211,285.58) 76.07%	0.00%
48 months	\$ (1,557,521.16) 99.98%	\$ - 0.00%	0.00%
Unspent Proceeds	\$ 353.95	\$ 381,021.61 23.93%	\$ 8,165,861.22 98.99%

[\[1\] Treasurer's Interest continues to accrue while bond proceeds remain outstanding. Current earnings level is 0.50% A.P.R. and rising.](#)

**Statutory updates****Assembly Bill 20 (BDR 40-227)**

- Signed by Governor Lombardo May 30, 2023.
- Regulations will need to be developed.

**Expanding use of the Capital Improvements Grant Program (Section 24)**

- Statutes now allow the capital improvements grant program to pay for costs associated with abandoning an individual sewage disposal system to a community sewage disposal system if NDEP approves a program or project for the protection of groundwater quality.
- The statutes now clarify that funding would be provided if an eligible recipient was also abandoning a well and connecting the property to a municipal water system.

**Housekeeping on the Capital Improvements Grant Program (Sections 21, 22)**

- Clarity in jurisdiction and regulatory authority.

**Housekeeping on the Board for Financing Water Projects (Section 23)**

- Statutes no longer require political party consideration for board membership.
- Statutes now require that:
  - No more than 2 voting members of the board be from the same county.
  - One member is knowledgeable in the field of municipal finance and the remaining members are knowledgeable in the fields of planning, development, or the management of water resources.

	0.50% Interest Earnings	GP2101 Lovelock Admin by DWSRF <b>133,204.36</b>	GP2102 Churchill Admin by Bonds	GP2104 Alamo Admin by DWSRF	GP2103 Big Bend Admin by DWSRF	GP2105 Blue Diamond Admin by Bonds	GP2203 Topaz Ranch Admin by Bonds	GP2202 Golconda Admin by DWSRF	GP2201 Big Bend LVVWD Admin by DWSRF	Balance
Jun-22										10,152,061.45
Jul-22			<b>255,102.98</b>	<b>700.00</b>						9,896,258.47
Aug-22	<b>17,712.50</b>	<b>46,794.00</b>	<b>47,532.54</b>							9,819,644.43
Sep-22		<b>44,686.64</b>	<b>882.00</b>	<b>2,800.00</b>						9,757,517.35
Oct-22		<b>CLOSED</b>	<b>10,584.00</b>	<b>4,750.00</b>						9,742,183.35
Nov-22										9,742,183.35
Dec-22	<b>27,948.59</b>			<b>48,541.28</b>						9,721,590.66
Jan-23			<b>61,170.70</b>	<b>4,060.00</b>				<b>1,987.57</b>		9,673,802.19
Feb-23	<b>49,240.71</b>		<b>CLOSED</b>	<b>5,481.00</b>	<b>405,561.16</b>					9,312,000.74
Mar-23				<b>3,654.00</b>			<b>305,782.36</b>			9,002,564.38
Apr-23				<b>3,749.00</b>				<b>2,172.70</b>		<b>8,994,024.95</b>
May-23				<b>3,264.85</b>		<b>249,552.17</b>				8,741,207.93
Jun-23	<b>74,920.10</b>				<b>249,423.65</b>					8,566,704.38
Jul-23	10,959.14			86,640.15	50,624.39	717,597.97	350,000.00	24,400.00	15,000.00	7,333,401.01
Aug-23										7,333,401.01
Sep-23				90,000.00	427,100.00	87,767.00	450,000.00	274,500.00	20,000.00	5,984,034.01
Oct-23	8,604.52									5,992,638.53
Nov-23										5,992,638.53
Dec-23				90,000.00	246,200.00	88,467.00	350,520.00	485,059.73	400,000.00	4,332,391.80
Jan-24	6,799.03									4,339,190.82
Feb-24										4,339,190.82
Mar-24				90,000.00	218,600.00	118,110.00	189,217.64	4,880.00	73,000.00	3,645,383.18
Apr-24	5,134.90									3,650,518.09
May-24										3,650,518.09
Jun-24				90,000.00	126,100.00	100,259.00			60,000.00	3,274,159.09
Jul-24	4,406.33									3,278,565.42
Aug-24										3,278,565.42
Sep-24				90,000.00	10,170.80	258,404.00				2,919,990.62
Oct-24	3,948.80									2,923,939.42
Nov-24										2,923,939.42
Dec-24				79,385.72		435,928.00				2,408,625.70
Jan-25	3,440.21									2,412,065.91
Feb-25										2,412,065.91
Mar-25						30,550.00				2,381,515.91
Apr-25	3,002.35									2,384,518.26
May-25										2,384,518.26
Jun-25						74,279.00				2,310,239.26
Jul-25										2,310,239.26
Older						2,039,365.86				270,873.40
	216,117.18	224,685.00	375,272.22	693,026.00	1,733,780.00	4,200,280.00	1,645,520.00	793,000.00	568,000.00	

<b>Status update</b> <b>6/1/2023</b>		
<b>Alamo Sewer and Water GID</b>	<b>GP2104</b>	The arsenic water treatment plant (just the plant) is under contract from AdEdge and will be delivered this spring / summer. The plans and specs for the building and the rest of the piping, etc. is being delivered to NDEP, State Fire Marshal, and Lincoln County building this week. If reviews go well, we will advertise for bids on the building and piping construction in March, with anticipated award in April. Construction this summer, depending on the availability of parts, etc., otherwise 2024. Everything should be wrapped up by the end of 2024.
<b>Las Vegas Valley Water District-Big Bend</b>	<b>GP2103</b>	Attached
<b>Las Vegas Valley Water District-Blue Diamond</b>	<b>GP2105</b>	Attached
<b>Topaz Ranch Estates GID</b>	<b>GP2203</b>	Project needed to be phased due to well drilling efforts. Bonding is underway to complete USDA funding.
<b>Golconda GID</b>	<b>GP2202</b>	Delays due to water rights and land easements.
<b>Las Vegas Valley Water District-Big Bend</b>	<b>GP2201</b>	Attached



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May 11, 2023

**RE: GP2103 Project Status Update**

This memo provides a project status update for Capital Improvement Grant GP2103: Rehabilitation Project Phase 2 to accompany the submitted project draw update. Status updates are broken down by the project phase. Please contact Rich Easter at [rich.easter@lvvwd.com](mailto:rich.easter@lvvwd.com) or 702-378-4326 with any questions or requests for additional information.

•Reduction of Pressure Transients (L0329)

- **Stage:** All design and installation will be completed by LVVWD staff (no bid). Procurement of materials will begin 6/2023.
- **Projected Start of Construction:** 8/2023
- **Projected Project Completion:** 9/2023
- **Delays/Changes:** None noted

•Filter Valves & Actuators Replacement (L0324)

- **Stage:** All design and installation will be completed by LVVWD staff (no bid). Procurement of materials is actively ongoing.
- **Start of Construction:** 3/2024
- **Projected Project Completion:** 6/2024
- **Delays/Changes:** None noted

•PLC Upgrade (L0134)

- **Stage:** All design and installation will be completed by LVVWD staff (no bid). Procurement of materials is actively ongoing (began 9/2022), and incremental construction has begun with available parts.
- **Start of Construction:** 5/2023
- **Projected Project Completion:** 6/2024
- **Delays/Changes:** A supply chain issue has extended normal delivery times for analog cards required for the PLCs up to 9 months, which has delayed the start of installation.

•SCADA PC/Server Hardware Upgrades (L0179)

- **Stage:** All design and installation will be completed by LVVWD staff (no bid). Procurement of materials is actively ongoing (began 12/2022).
- **Start of Construction:** 1/2024
- **Projected Project Completion:** 6/2024
- **Delays/Changes:** None noted

•Raw Water Pumping Station Electrical Upgrades (L0323)

- **Stage:** Currently in design with anticipated bid opening 9/2023
- **Start of Construction:** 12/2023





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- **Projected Project Completion:** 4/2024
  - **Delays/Changes:** None noted
- 
- **Chemical Feed System Upgrades (L0328)**
    - **Stage:** Currently in design with anticipated bid opening 8/2023
    - **Start of Construction:** 10/2023
    - **Projected Project Completion:** 12/2023
    - **Delays/Changes:** None noted
- 
- **Network Switch Upgrades (L0178)**
    - **Stage:** All design and installation will be completed by LVVWD staff (no bid). Procurement of materials is actively ongoing (began 10/2022) and incremental construction has begun with available parts.
    - **Start of Construction:** 5/2023
    - **Projected Project Completion:** 6/2024
    - **Delays/Changes:** None noted



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May 11, 2023

**RE: GP2105 Project Status Update**

This memo provides a project status update for Capital Improvement Grant GP2105: System Rehabilitation to accompany the submitted project draw update. Status updates are broken down by the project phase. Please contact Rich Easter at [rich.easter@lvvwd.com](mailto:rich.easter@lvvwd.com) or 702-378-4326 with any questions or requests for additional information.

- Blue Diamond Main Replacements
  - **Stage:** Construction (90% complete)
  - **Projected Start of Construction:** 9/2022
  - **Projected Project Completion:** 7/2023
  - **Delays/Changes:** None noted
- Blue Diamond 3630 Zone Pumping Station
  - **Stage:** Design
  - **Projected Start of Construction:** 2/2024
  - **Projected Project Completion:** 2/2025
  - **Delays/Changes:** None noted
- Blue Diamond Backup Well Exploration and Well Construction
  - **Stage:** Design
  - **Projected Start of Construction:** 7/2023
  - **Projected Project Completion:** 7/2024
  - **Delays/Changes:** None noted
- Blue Diamond 3530 Zone Tank and Power Upgrade
  - **Stage:** Pre-Design
  - **Projected Start of Construction:** 7/2025
  - **Projected Project Completion:** 12/2026
  - **Delays/Changes:** None noted
- Blue Diamond Backup Well Equipping
  - **Stage:** Pre-Design
  - **Projected Start of Construction:** 7/2025
  - **Projected Project Completion:** 6/2026
  - **Delays/Changes:** None noted
- Blue Diamond well Discharge Piping
  - **Stage:** Pre-Design
  - **Projected Start of Construction:** 10/2024



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- **Projected Project Completion:** 3/2026
- **Delays/Changes:** None noted



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May 11, 2023

**RE: GP2201 Project Status Update**

This memo provides a project status update for Capital Improvement Grant GP2201: Riverbank Filtration Well Phase 2 to accompany the submitted project draw update. Status updates are broken down by the project phase. Please contact Rich Easter at [rich.easter@lvvwd.com](mailto:rich.easter@lvvwd.com) or 702-378-4326 with any questions or requests for additional information.

•Filtration Well Phase 2

- **Stage:** Bid
- **Projected Start of Construction:** 10/2023
- **Projected Project Completion:** 3/2024
- **Delays/Changes:** Design is complete. Opening the bid process has been delayed by pending fence/wall permitting and grading permitting from Clark County. LVVWD is also awaiting the results of a full EPA water analysis ordered by NDEP required for resubmission of the Approval to Construct application. Both the permitting and NDEP approval are anticipated to be received by 7/2023, at which time bidding will open.

# Drinking Water State Revolving Fund

Board for Financing Water Projects

June 2023

## Drinking Water Priority List—Effective June 2023

Data	Recommendation
177 Projects  \$992,008,520 Total Estimated costs	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve the Drinking Water Priority List—Effective June 2023.

### Priority List Classes

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#### **Class I Acute**

- *Acute health risks: Demonstrated illness attributable to the public water system.*
- *Significant non-compliance.*
- *Court ordered compliance.*
- *Systems addressing acute health issues.*

#### **Class II Chronic**

- *Chronic health concerns: Documented non-compliance with primary and secondary drinking water standards.*
- *Systems addressing chronic health issues.*

#### **Class III Rehabilitation**

- Projects that address deteriorated, substandard, or inadequate conditions in a public water system.
  - Treatment
  - Storage
  - Transmission & Distribution
  - Meters
  - Security
  - Planning

#### **Class IV Refinancing**

- Refinancing of debt incurred after July 1, 1993
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## Additional Points for Asset Management

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Projects can receive additional points for the following:

- (5 pts) System is mapped & assets are cataloged/evaluated.
- (5 pts) System has a rate structure that supports O&M.
- (5 pts) System has allocated funds for rehabilitation/replacement of aging infrastructure.

## Disadvantaged Systems (Attachment B)

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### Nevada Administrative Code amended<sup>1</sup>:

“Disadvantaged community” means an area in which, as compared to other communities in this State, residents disproportionately experience economic, environmental or health issues, including, without limitation, high rates of poverty or unemployment.  
(NAC 445A.675245)

### Federal Clean Water Act Requirements:

[42 U.S.C §300j-12(b)(d)(3)] the term “disadvantaged community” means the service area of a public water system that meets affordability criteria established after public review and comment by the State in which the public water system is located.

### 2023 Drinking Water Intended Use Plan:

- 50 points are needed to qualify for principal forgiveness.
- 25 points will be added to the initial score for systems qualifying as disadvantaged.

### Disadvantaged Criteria

- Income Factors
  - Median Household Income versus State MHI
  - Poverty Levels in the service area
- Population trends
  - Change in population over a three-year period based upon the latest American Community Survey data available
- Unemployment
  - Percent of the population not in the workforce
  - Unemployment rate of service area
- Affordability
  - Whether or not an interest-bearing loan will increase already sufficient user rates by 10%, 20%, or 30%.
    - This also has a look-back option for 5 years.
  - Residential rates compared to MHI
    - Based on 1.0%, 1.5%, and 2.0%
- Other Factors
  - Nature of the project
  - Incentives for project types
  - Financial assistance from government or political subdivisions

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<sup>1</sup> <https://www.leg.state.nv.us/Register/2022Register/R109-22AP.pdf>

## Priority List (Attachment A)

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- *Priority Rank*
- *N<sup>1</sup>: New to the list*
- *D<sup>2</sup>: System or project qualifies as disadvantaged*
- *C<sup>3</sup>: Water System Classification (community/noncommunity)*
- *Entity*
- *PWS ID#*
- *Project Population*
- *Project Service Connections*
- *Total Points*
- *Revised Points*
- *NIFS project ID*
- *Project Description*
- *Estimated Loan Amount*
- *Funded: Yes indicates the project has received at least partial funding, is not complete, and must remain on the list.*

## Priority List Statistics

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	Projects	Disadvantaged Systems or Projects	Small Systems (less than 10,000)
<b>Previous List</b>	<b>170</b>	<b>56</b>	<b>145</b>
<b>New to the List</b>	<b>21</b>	<b>17</b>	<b>13</b>
<b>Removed</b>	<b>(14)</b>	<b>-</b>	<b>-</b>
<b>Current List</b>	<b>177</b>	<b>131</b>	<b>146</b>
		<b>74.0%</b>	<b>82.5%</b>

	Projects	Disadvantaged Systems or Projects	Small Systems (less than 10,000)
<b>Class I</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b>Class II</b>	<b>12</b>	<b>8</b>	<b>9</b>
<b>Class III</b>	<b>161</b>	<b>120</b>	<b>134</b>
<b>Class IV</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>177</b>	<b>131</b>	<b>146</b>

	Projects	Disadvantaged Systems or Projects	Small Systems (less than 10,000)
<b>Class I</b>	\$30,545,592.00	\$29,245,592.00	\$29,245,592.00
<b>Class II</b>	\$44,222,133.04	\$33,152,883.04	\$35,563,503.04
<b>Class III</b>	\$917,397,786.66	\$432,067,919.78	\$686,242,110.66
<b>Class IV</b>	\$550,000.00	\$550,000.00	\$550,000.00
<b>Total estimated costs</b>	<b>\$992,715,511.70</b>	<b>\$495,016,394.82</b>	<b>\$751,601,205.70</b>
<b>Average Estimated Cost</b>	\$5,608,562.21	\$3,778,751.11	\$5,147,953.46

## Project readiness and bypass process

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NDEP may bypass a project on the priority list if NDEP determines the project is not ready to proceed, fails to file a letter of intent, or the applicant requests action to be deferred. (NAC 445A.67573)

- *Projects ready to proceed may bypass projects with a higher point score that are not ready to proceed*
- *Written notice is given to systems being bypassed*
- Current list readiness-to-proceed\*:

Undetermined	88	50%
In Discussion	34	19%
Funded / Partially Funded	29	16%
Not ready to proceed	26	15%

\*As of June 1, 2023. Data subject to change.



## DWSRF Authority and Purpose

The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “Establish the priorities for determining which public water systems will receive money...without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)(b)).

### RECOMMENDED MOTION FOR THE DWSRF PRIORITY LIST

I move to approve the resolution designated the “Nevada Drinking Water State Revolving Fund (DWSRF) Priority List—Effective June 2023” to establish the priorities for determining which public water systems will receive money or other assistance from the Account for the Revolving fund as required in Nevada Revised Statute 445A.265(3).

## Attachment A

## Nevada Drinking Water State Revolving Fund Priority List

Effective June 2023

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## Class I Acute Health Risk

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
1		D	C	Humboldt County - DW	NV0003079	1,300	553	12	37	DW00544	New well and transmission pipe to address nitrate exceedance	\$1,850,000.00	Yes
2		D	C	Humboldt County - DW	NV0003079	5,000	700	7	32	DW00292	Septic conversion to decrease nitrogen load	\$27,395,592.00	
3			C	Truckee Meadows Water Authority - DW	NV0000190	18,750	7,500	17	17	DW00454	Construct nitrate treatment facilities	\$1,300,000.00	
Total Class I Projects												\$30,545,592.00	

## Class II Chronic Health Risks

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
4		D	C	Truckee Meadows Water Authority - DW	NV0000190	59,700	23,870	25	50	DW00451	Longley Plant HV3 and HV4 Arsenic Treatment	\$1,500,000.00	
5		D	C	Gardnerville Ranchos GID - DW	NV0000066	11,300	4,500	25	50	DW00351	Well 5 Arsenic Treatment	\$6,181,130.00	
6		D	C	Alamo Sewer & Water GID - DW	NV0000005	1,169	318	25	50	DW00611	Well for Arsenic mitigation	\$1,000,000.00	Yes
7		D	C	Esmeralda County-Goldfield - DW	NV0000072	345	345	25	50	DW00515	PER & Arsenic Treatment	\$475,393.04	Yes
8		D	C	Churchill County -DW	NV0000406	1,800	1,449	16	41	DW00379	Arsenic and Manganese treatment plant	\$11,574,360.00	
9		D	C	Storey County - DW	NV0000240	1,110	803	16	41	DW00344	Lead Transmission Replacement Project	\$11,447,000.00	
10		D	C	Shoshone Estates Water Co Inc - DW	NV0005028	240	88	15	40	DW00605	Well and arsenic mitigation	\$310,000.00	Yes
11			C	Douglas County - East Valley - DW	NV0002216	4,030	1,479	25	25	DW00447	S. Airport Well Arsenic Treatment	\$8,691,750.00	
12			C	Silver Knolls Mutual Water Company - DW	NV0004021	120	63	25	25	DW00270	Arsenic mitigation	\$400,000.00	Yes
13			NTNC	TRI General Improvement District - DW	NV0000913	20,000	193	20	20	DW00540	PER & Arsenic Treatment	\$977,500.00	Yes
14			C	Mount Rose Bowl POWC - DW	NV0000732	50	15	20	20	DW00382	New tank with treatment upgrades to address lead and copper	\$1,000,000.00	Yes
15	N	D	NTNC	Amargosa Elementary School	NV0002190	200	8	10	35	DW00768	PER and construction project to address arsenic exceedance issue	\$665,000.00	
Total Class II Projects												\$36,541,003.04	

## Class III Rehabilitation

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
16		D	C	Carson City - DW	NV0000015	58,000	18,000	91	116	DW00298	Quill WTP Upgrade	\$10,890,424.00	
17			C	Truckee Meadows Water Authority - DW	NV0000190	34,432	11,400	112	112	DW00356	APW Program at American Flat	\$117,000,000.00	
18		D	C	Gardnerville Ranchos GID - DW	NV0000066	11,312	4,500	76	101	DW00349	Consolidate GRGID water system to the Gardnerville Water Company	\$2,685,650.00	
19		D	C	Beatty Water & Sanitation District - DW	NV0000009	908	624	69	94	DW00296	Source, storage, and transmission rehabilitation	\$2,629,000.00	Yes
20		D	C	Hawthorne Utilities - DW	NV0000073	200	125	68	93	DW00492	PER, new source, and new storage	\$85,000.00	Yes
21		D	C	Eureka County - Eureka Town Water - DW	NV0000044	454	454	66	91	DW00559	Consolidate Devils Gate GID with Eureka, new well, new transmission pipes	\$100,000.00	
22		D	C	North Las Vegas, City of - DW	NV0000175	500	12	64	89	DW00601	Construct transmission and distribution pipe to consolidate Garnet Valley with North Las	\$14,893,421.00	
23		D	C	Hawthorne Utilities - DW	NV0000073	200	125	57	82	DW00493	Mina-Luning Water System Improvements	\$6,762,500.00	
24		D	C	Kingsbury GID - DW	NV0000004	300	80	56	81	DW00617	Consolidation of Ponderosa HOA	\$2,120,000.00	
25		D	C	Baker Water & Sewer GID - DW	NV0000863	230	93	55	80	DW00483	Transmission and Distribution upgrades and relocation	\$2,677,534.00	
26		D	C	Baker Water & Sewer GID - DW	NV0000863	72	91	53	78	DW00372	New system for Lehman Creek	\$3,304,207.00	
27	N	D	C	Golconda GID - DW	NV0005029	60	100	53	78	DW00730	New tank, replace distribution system, SCADA, meters	\$4,054,989.40	
28		D	C	Las Vegas Valley Water District-DW	NV0000090	1	9	53	78	DW00488	Construct structure and install upgraded chemical feed system	\$428,000.00	
29		D	C	Shoshone Estates Water Co Inc - DW	NV0005028	240	76	52	77	DW00584	New well & system upgrades	\$4,240,000.00	Yes
30		D	C	Hawthorne Utilities - DW	NV0000073	2,616	1,569	50	75	DW00593	Water System Improvements	\$23,885,000.00	
31		D	C	Walker Lake GID - DW	NV0000268	450	210	48	73	DW00525	PER, source, and distribution	\$100,000.00	Yes
32		D	C	Walker Lake GID - DW	NV0000268	450	210	48	73	DW00598	Distribution, water treatment, new well	\$16,269,000.00	
33	N	D	C	Storey County - DW	NV0000240	1,500	588	47	72	DW00346	PER Virginia City Highlands	\$100,000.00	
34		D	C	Storey County - DW	NV0000240	1,110	803	46	71	DW00345	Water Treatment Upgrade	\$8,468,000.00	
35		D	C	Golconda GID - DW	NV0005029	114	102	46	71	DW00273	Spring rehabilitation & other system improvements	\$810,000.00	Yes
36		D	C	Hawthorne Utilities - DW	NV0000073	2,616	1,665	45	70	DW00490	PER, source, transmission, distribution	\$85,000.00	Yes
37		D	C	Gerlach GID - DW	NV0000071	206	155	45	70	DW00565	Rehabilitate spring	\$627,500.00	Yes
38		D	C	Indian Springs Water Company	NV0000082	900	195	43	68	DW00673	New secondary well	\$1,500,000.00	
39		D	C	Las Vegas Valley Water District - Big Bend - DW	NV0004092	9,300	2,200	40	65	DW00268	System improvements for reliability and redundancy	\$5,290,000.00	Yes
40		D	C	Pershing County - DW	NV0000226	200	6	39	64	DW00341	Construct water tank, install new SCADA, Drill New Well in Imlay	\$3,364,275.00	
41	N	D	C	Pershing County - DW	NV0000226	200	89	39	64	DW00729	SCADA upgrade, meter replacement and other water system improvements in Imlay	\$1,500,000.00	
42		D	C	Big Five MHP - DW	NV0000362	65	52	39	64	DW00616	Replace failed storage tank upgrade pipes	\$34,300.00	
43		D	C	Truckee Meadows Water Authority - DW	NV0000190	440,000	133,000	38	63	DW00630	Well Head TTHM Mitigation	\$2,500,000.00	
44		D	C	North Las Vegas, City of - DW	NV0000175	380,239	100,450	38	63	DW00600	Well Replacement: Robinson	\$4,028,800.00	

# Nevada Drinking Water State Revolving Fund Priority List

Effective June 2023

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## Class III Rehabilitation

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
45		D	C	Las Vegas Valley Water District - Big Bend - DW	NV0004092	9,000	2,319	38	63	DW00511	Meters, HVAC, and controls	\$882,500.00	Yes
46		D	C	Lovelock Meadows Water District - DW	NV0000161	2,046	1,258	38	63	DW00514	Construct new well with transmission pipe	\$4,761,700.00	
47		D	C	Lovelock Meadows Water District - DW	NV0000161	2,046	1,258	38	63	DW00520	PER to identify feasibility of new well and transmission pipes	\$80,500.00	
48		D	C	Orovada GID - DW	NV0003032	325	56	37	62	DW00427	Water System Improvements	\$1,980,000.00	
49		D	C	Rancho Vista Unit IV Water Association - DW	NV0002571	60	27	37	62	DW00609	New Storage Tank & Upgrades	\$1,965,000.00	
50	N	D	C	Baker Water & Sewer GID - DW	NV0000863	150	92	36	61	DW00724	Replace failing saddle taps	\$270,528.00	
51		D	C	Gardnerville Ranchos GID - DW	NV0000066	11,300	3,020	35	60	DW00340	Replace Booster Pump Station	\$1,587,000.00	
52		D	C	Moapa Valley Water District - DW	NV0000160	9,000	3,293	34	59	DW00303	Install Redundant Well	\$2,396,000.00	
53	N	D	C	Orovada GID - DW	NV0003032	58	62	34	59	DW00750	Orovada PER and ER	\$85,000.00	
54			C	Las Vegas Valley Water District-DW	NV0000090	154,000	408,000	58	58	DW00524	Construct three municipal production wells with treatment and transmission pipes	\$10,600,000.00	
55		D	C	Silver Springs Mutual Water Company - DW	NV0000223	3,070	1,198	33	58	DW00449	Lake Well Rehabilitation	\$1,185,000.00	Yes
56		D	C	Alamo Sewer & Water GID - DW	NV0000005	1,169	318	33	58	DW00614	Water PER test wells	\$300,000.00	
57	N	D	C	Walker Lake GID - DW	NV0000268	520	226	33	58	DW00745	New well and water treatment	\$1,501,485.00	
58		D	C	North Las Vegas, City of - DW	NV0000175	500	12	33	58	DW00500	Replace well showing moderate deterioration, only water source	\$3,774,800.00	
59	N	D	C	Las Vegas Valley Water District - Searchlight - DW	NV0000219	438	287	33	58	DW00765	Develop redundant well	\$174,390.00	
60		D	C	Kingston Town Water Utilities - DW	NV0000265	160	160	33	58	DW00484	Alternate Water Source	\$1,650,000.00	
61		D	C	Nye County - Manhattan Water - DW	NV0000165	100	62	33	58	DW00574	Complete PER to identify additional water source	\$100,000.00	
62	N	D	C	Elko, City of - DW	NV0000272	1,500	500	32	57	DW00710	Lead Service Line Replacement	\$3,875,000.00	
63		D	C	Ely, City of - DW	NV0000038	1,080	270	32	57	DW00485	Water Main Upgrades to allow use of well	\$8,123,760.00	
64		D	C	Valmy Station Mobile Home Park - DW	NV0003016	96	107	32	57	DW00625	Upgrade or replace water system	\$1,432,452.00	
65		D	C	Ely, City of - DW	NV0000038	5,500	2,500	31	56	DW00482	Distribution & Storage Upgrade	\$23,568,000.00	
66		D	C	Round Hill GID - DW	NV0000260	1,200	480	31	56	DW00458	Design and construction of redundant contact tank	\$900,000.00	
67		D	C	Steamboat Springs Water Works - DW	NV0000282	989	287	31	56	DW00575	Water Tank replacement, transmission pipes, SCADA	\$1,371,342.00	
68		D	C	Las Vegas Valley Water District-DW	NV0000090	24,000	6,000	30	55	DW00591	Septic Conversion Program	\$9,000,000.00	
69		D	C	Elko, City of - DW	NV0000272	7,000	3,000	30	55	DW00530	Rehabilitate or replace well 24	\$1,572,100.00	
70			C	Trout Canyon Land & Water Users Association - DW	NV0004060	35	51	55	55	DW00389	Trout Canyon PER/ER	\$55,000.00	
71			C	Trout Canyon Land & Water Users Association - DW	NV0004060	35	51	55	55	DW00582	Drinking water system rehabilitation and upgrade	\$4,500,000.00	
72		D	C	Gardnerville Ranchos GID - DW	NV0000066	11,300	4,500	29	54	DW00352	Phase 2 Pipeline Replacement	\$6,894,068.00	
73		D	C	Gardnerville Ranchos GID - DW	NV0000066	11,300	4,500	29	54	DW00354	Phase 3 Pipeline Replacement	\$8,146,748.00	
74	N	D	C	Pioche Public Utilities - DW	NV0000186	1,435	707	29	54	DW00705	PER to evaluate drinking water system needs	\$60,000.00	
75			C	Southern Nevada Water Authority - DW	NV0000289	8	8	54	54	DW00578	Basic Water System upgrade & improvements	\$246,218,900.00	
76	N	D	C	Elko, City of - DW	NV0000272	20,564	10,500	28	53	DW00752	Replace well with failing water quality	\$3,723,936.00	
77		D	C	Las Vegas Valley Water District - Big Bend - DW	NV0004092	2,179	2,197	28	53	DW00583	Construct new water tank	\$24,375,000.00	
78		D	C	Alamo Sewer & Water GID - DW	NV0000005	1,169	318	28	53	DW00613	New water tank	\$2,340,000.00	
79		D	C	Reno Sparks Indian Colony - DW	TRIBAL	825	169	28	53	DW00312	Hungry Valley Water Project	\$32,200,000.00	
80		D	C	Tonopah, Town of - DW	NV0000237	12	8	28	53	DW00586	Storage tank recoating	\$949,725.00	
81		D	C	Storey County - DW	NV0000240	1,110	596	27	52	DW00347	Union St. Distribution Pipe Replacement	\$926,000.00	
82		D	C	Indian Springs Water Company	NV0000082	832	400	27	52	DW00576	Water System Improvements	\$3,840,750.00	
83		D	C	Topaz Ranch Estates GID - DW	NV0000239	500	203	27	52	DW00563	Replace water transmission pipes	\$6,396,939.00	Yes
84		D	C	Elko County - Montello - DW	NV0000169	287	55	26	51	DW00405	PER/ER and new source	\$1,120,475.00	
85		D	C	Henderson, City of - DW	NV0000076	332,258	1	25	50	DW00589	Raw water interconnect	\$6,700,000.00	
86		D	C	Moapa Valley Water District - DW	NV0000160	7,254	2,687	25	50	DW00305	Construct New Narrows Water Tank	\$8,996,545.00	
87		D	C	West Wendover, City of - DW	NV0000246	4,819	1,103	25	50	DW00434	3 Mile Reservoir Rehabilitation	\$256,172.00	
88		D	C	Silver Springs Mutual Water Company - DW	NV0000223	3,070	1,198	25	50	DW00399	Recoat water tank	\$1,006,330.00	
89	N	D	C	Tonopah, Town of - DW	NV0000237	2,493	1,225	25	50	DW00738	PER and ER	\$85,000.00	
90		D	C	Las Vegas Valley Water District - Big Bend - DW	NV0004092	2,200	50	25	50	DW00288	Riverbank filtration well	\$1,308,317.00	Yes
91	N	D	C	Storey County - DW	NV0000240	1,110	803	25	50	DW00723	Taylor Tank Replacement	\$1,186,927.00	
92		D	C	Moapa Valley Water District - DW	NV0000160	705	261	25	50	DW00304	Construct New Water Tank	\$3,363,400.00	
93		D	C	Esmeralda County-Goldfield - DW	NV0000072	345	345	25	50	DW00466	Recoat water tanks	\$442,040.00	
94		D	C	Weed Heights Development - DW	NV0000242	340	250	25	50	DW00275	Rehabilitate water tanks	\$1,052,600.00	Yes
95		D	C	Esmeralda County-Silver Peak - DW	NV0000363	121	121	25	50	DW00339	Storage Tank Rehabilitation	\$257,300.00	
96		D	C	Esmeralda County-Silver Peak - DW	NV0000363	87	117	25	50	DW00480	Relocate PRV/Scada	\$423,312.50	
97			C	Bermuda Palms - DW	NV0000147	60	71	50	50	DW00623	Storage Tanks Replacement & Distribution Upgrades	\$1,910,000.00	

# Nevada Drinking Water State Revolving Fund Priority List

Effective June 2023

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## Class III Rehabilitation

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
98		D	C	Silver Springs Mutual Water Company - DW	NV0000223	3,070	1,198	24	49	DW00277	PER for redundant transmission pipe	\$150,000.00	Yes
99		D	C	Storey County - DW	NV0000240	610	534	24	49	DW00348	Water distribution pipe replacement	\$1,522,000.00	
100		D	C	Storey County - DW	NV0000240	500	269	24	49	DW00343	PER & Distribution Improvements	\$1,407,022.00	
101		D	C	Elko, City of - DW	NV0000272	150	40	24	49	DW00472	Replace galvanized pipe	\$1,203,350.00	
102		D	C	Tonopah, Town of - DW	NV0000237	126	63	24	49	DW00592	Uncased water crossing replacement	\$202,154.00	
103		D	C	Moapa Valley Water District - DW	NV0000160	6,750	2,275	23	48	DW00342	24 Transmission Replacement	\$3,423,300.00	
104		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	23	48	DW00522	PCCP Transmission Pipeline Replacement	\$3,802,694.00	
105		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	23	48	DW00523	Asbestos Line Replacement	\$984,869.42	
106		D	C	Silver Springs Mutual Water Company - DW	NV0000223	3,070	1,198	23	48	DW00460	Construct redundant transmission line	\$493,069.00	Yes
107		D	C	Lovelock Meadows Water District - DW	NV0000161	2,046	1,582	23	48	DW00497	10 mile transmission water line replacement in Oreana	\$15,192,379.00	
108	N	D	C	Storey County - DW	NV0000240	1,100	86	23	48	DW00722	Replace transmission pipe	\$3,261,244.00	
109		D	C	Kings Row Trailer Park - DW	NV0000287	525	370	23	48	DW00622	Booster Pump/Meters/Upgrades	\$5,590,000.00	
110		D	C	Spirit Mountain Utility - DW	NV0000221	375	117	23	48	DW00581	Booster Pump & System Upgrades	\$5,890,000.00	
111		D	C	Esmeralda County-Goldfield - DW	NV0000072	345	345	23	48	DW00468	Replace transmission line	\$1,280,173.00	
112			C	Blue Diamond Water Cooperative - DW	NV0000092	14	50	47	47	DW00496	PER for water system upgrades and pipeline suspension replacement	\$132,000.00	
113		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	21	46	DW00521	Pueblo Blvd Water Extension	\$1,299,293.80	
114		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	21	46	DW00529	3-Mile Water Loop connection	\$3,888,757.60	
115		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	21	46	DW00533	Water line extension-redundant loop	\$1,490,874.00	
116		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	21	46	DW00534	Redundancy distribution and service extension	\$1,127,294.00	
117		D	C	Walker River Paiute Tribe - DW	TRIBAL	1,165	335	21	46	DW00636	WRPT Water Tank and Meters	\$3,075,343.14	
118		D	C	Weed Heights Development - DW	NV0000242	560	301	21	46	DW00384	Water system PER	\$63,750.00	
119		D	C	Tonopah, Town of - DW	NV0000237	150	60	21	46	DW00505	Replace Galvanized/AC in Rhines, Central & Magnolia	\$3,500,000.00	
120	N	D	C	Elko, City of - DW	NV0000272	20,564	10,500	20	45	DW00740	Recoat water tank	\$2,174,200.00	
121	N	D	C	Elko, City of - DW	NV0000272	20,564	10,500	20	45	DW00743	Replace water tank	\$2,162,000.00	
122		D	C	Rosemount Water Co. - DW	NV0000767	55	26	20	45	DW00293	Recoat water tank	\$236,275.00	
123		D	C	Elko, City of - DW	NV0000272	10,280	5,000	19	44	DW00364	2nd Street Main Replacement	\$3,868,350.00	
124		D	C	North Las Vegas, City of - DW	NV0000175	376,515	100,512	18	43	DW00633	LCRR Compliance & Inventory	\$600,700.00	
125		D	C	Carson City - DW	NV0000015	57,000	17,883	18	43	DW00358	Lead and Copper Pipe Mapping	\$532,000.00	
126		D	C	Ely, City of - DW	NV0000038	5,500	2,190	18	43	DW00486	Replace water meters	\$18,659,700.00	
127		D	C	West Wendover, City of - DW	NV0000246	4,512	1,103	18	43	DW00528	Water meter replacement	\$2,617,580.00	
128		D	C	Hillcrest Manor Water Users Association - DW	NV0000145	450	121	18	43	DW00629	New water tank	\$350,000.00	Yes
129		D	C	Esmeralda County-Goldfield - DW	NV0000072	375	375	18	43	DW00328	Install Radio Read Meters in Goldfield	\$235,961.16	Yes
130		D	C	Esmeralda County-Silver Peak - DW	NV0000363	121	121	18	43	DW00334	Install Radio Read Meters in Silver Peak	\$130,156.76	Yes
131		D	C	Nye County - Manhattan Water - DW	NV0000165	100	62	18	43	DW00509	Install Radio Read Meters	\$1,201,250.00	
132		D	C	Big Five MHP - DW	NV0000362	65	52	18	43	DW00635	Replace well and water storage slab	\$14,900.00	
133		D	C	Silver Springs Mutual Water Company - DW	NV0000223	3,070	1,198	17	42	DW00396	Back-up Power Supply for well operations	\$180,550.00	
134		D	C	Humboldt County - McDermitt General Improvement	NV0000162	1,485	103	17	42	DW00657	Rehabilitate water tank and replace distribution pipes	\$12,865,600.00	
135		D	C	Las Vegas Valley Water District - Searchlight - DW	NV0000219	372	242	17	42	DW00467	Replace distribution pipes	\$771,000.00	
136		D	C	Nye County-Gabbs - DW	NV0000063	278	142	16	41	DW00477	distribution pipe replacement	\$4,023,038.00	
137			C	South Crestview Homeowners Association - DW	NV0000351	70	30	41	41	DW00599	PER and ER to determine water system needs	\$353,500.00	
138			C	Fernley, City of - DW	NV0000062	21,105	8,179	40	40	DW00618	Truckee Canal Surface Water source and clear well	\$4,000,000.00	
139			C	Truckee Meadows Water Authority - DW	NV0000190	6,250	2,500	40	40	DW00453	Construct lift station and consolidate with Ridgeview zone	\$6,660,000.00	
140			C	Douglas County - DW	NV0000259	2,476	1,011	40	40	DW00457	Consolidate Cave Rock and ZWUD water systems	\$3,185,000.00	
141	N	D	C	Henderson, City of - DW	NV0000076	334,471	100,915	14	39	DW00739	Update and modernize Customer Information Systems (CIS)	\$9,406,800.00	
142			C	Douglas County - Uppaway - DW	NV0000817	85	35	39	39	DW00474	System Improvements	\$5,117,000.00	
143		D	C	Elko County - Tuscarora Water System - DW	NV0000189	10	4	14	39	DW00406	Distribution System Looping and upsize pipes	\$210,000.00	
144	N		C	Las Vegas Valley Water District-DW	NV0000090	2,258,111	430,000	38	38	DW00751	Emerging Contaminant-UV-LED Well Treatment	\$8,375,000.00	
145		D	C	Steamboat Springs Water Works - DW	NV0000282	989	291	13	38	DW00564	Water Meter installation	\$662,550.00	
146		D	C	Escapees Co-Op of Nevada, Inc. - DW	NV0002552	200	200	13	38	DW00639	Water Storage Tank	\$55,700.00	
147			C	Truckee Meadows Water Authority - DW	NV0000190	15,100	6,000	37	37	DW00626	Construct new tank and transmission pipeline	\$3,600,000.00	
148			C	Logan Creek Estates GID - DW	NV0002050	60	22	37	37	DW00291	New well construction	\$525,000.00	Yes
149			C	Carlin, City of - DW	NV0000014	2,000	500	36	36	DW00518	Water System Improvements	\$28,866,667.00	
150			C	Silver Knolls Mutual Water Company - DW	NV0004021	200	64	36	36	DW00535	Backup Well	\$1,231,750.00	
151	N		C	Truckee Meadows Water Authority - DW	NV0000190	34,432	11,400	35	35	DW00711	American Flat PFAS Treatment	\$2,000,000.00	
152	N		C	Truckee Meadows Water Authority - DW	NV0000190	34,432	11,400	35	35	DW00748	American Flat A+ Biological Activated Carbon Filtration (BACF)	\$4,000,000.00	

# Nevada Drinking Water State Revolving Fund Priority List

Effective June 2023

DRAFT

## Class III Rehabilitation

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
153		D	C	Cold Creek Canyon HOA - DW	NV0004000	168	56	10	35	DW00606	Recoating Storage Tank	\$235,000.00	
154			C	Logan Creek Estates GID - DW	NV0002050	60	21	35	35	DW00413	Construct new water tank and well	\$1,200,000.00	Yes
155	N		C	Canyon General Improvement District - DW	NV0005056	1,250	500	34	34	DW00717	Recoat tank, install meters, build equipment structure	\$1,675,500.00	
156			C	Truckee Meadows Water Authority - DW	NV0000190	18,750	7,500	33	33	DW00455	New well	\$1,970,000.00	
157			C	Kingsbury GID - DW	NV0000004	300	100	33	33	DW00585	Maryanne Watermain Replacement	\$6,219,547.00	
158			C	Mt. Charleston Water Company - DW	NV0001015	335	22	32	32	DW00607	Backup Well and Upgrades	\$1,365,000.00	
159			C	Kingsbury GID - DW	NV0000004	90	30	31	31	DW00590	Summit watermain pipe replacement	\$1,531,050.00	
160			C	Kingsbury GID - DW	NV0000004	90	30	31	31	DW00594	Squaw water pipe replacement	\$1,799,562.00	
161			C	Truckee Meadows Water Authority - DW	NV0000190	18,750	7,500	30	30	DW00465	New well	\$1,210,000.00	
162			C	Las Vegas Valley Water District-DW	NV0000090	421	421	30	30	DW00494	Drill and develop new well	\$3,324,000.00	
163		D	C	Big Five MHP - DW	NV0000362	65	52	4	29	DW00638	Install Backflow Prevention	\$6,300.00	
164			C	Amargosa Estates Water Co. LLC - DW	NV0002558	54	38	29	29	DW00411	Booster Pump/Storage/Upgrades to distribution system	\$1,891,000.00	
165			C	Silver Knolls Mutual Water Company - DW	NV0004021	200	64	28	28	DW00602	Tank Relining	\$469,200.00	
166			C	Truckee Meadows Water Authority - DW	NV0000190	6,800	2,700	27	27	DW00627	New booster pump station	\$2,550,000.00	
167			C	Logan Creek Estates GID - DW	NV0002050	60	21	27	27	DW00414	Replace water transmission and distribution pipes	\$1,745,000.00	Yes
168			C	Las Vegas Valley Water District-DW	NV0000090	350	250	23	23	DW00554	Transmission pipe re-alignment	\$496,635.00	
169			C	Truckee Meadows Water Authority - DW	NV0000190	440,000	133,000	21	21	DW00450	Construct Emergency Operations Center	\$2,000,000.00	
170			C	Truckee Meadows Water Authority - DW	NV0000190	188,400	75,400	21	21	DW00452	Off River Supply Improvements	\$1,500,000.00	
171			C	Las Vegas Valley Water District-DW	NV0000090	421	421	21	21	DW00487	Install communication hardware to remotely control system	\$721,500.00	
172			C	Silver Knolls Mutual Water Company - DW	NV0004021	200	63	21	21	DW00536	Meter Replacement	\$225,473.00	
173			C	Verdi Meadows Utility Company, Inc. - DW	NV0000196	500	171	11	11	DW00557	Security & Telemetry Improvements	\$171,600.00	
174			C	Verdi Meadows Utility Company, Inc. - DW	NV0000196	430	171	11	11	DW00443	Water line replacement and realignment	\$3,721,830.88	
175			C	Verdi Meadows Utility Company, Inc. - DW	NV0000196	430	171	10	10	DW00444	Tank Replacement	\$1,163,152.00	
176			C	Fort Apache Ann NE Water Assoc. - DW	NV0000430	25	16	3	3	DW00628	Engineering & Permitting to meet BSDW regulations	\$50,000.00	
Total Class III Projects												\$917,397,786.66	

## Class IV Refinance

Priority Number	N <sup>1</sup>	D <sup>2</sup>	C <sup>3</sup>	Entity	State ID	Project Population	Project Service Connections	Total Points	Revised Points	Project ID	Project Description	Estimated Loan Amount	Funded <sup>4</sup>
177		D	C	Humboldt County - DW	NV0003079	2,000	550	1	26	DW00429	Gold Country Refinancing	\$550,000.00	Yes
Total Class IV Projects												\$550,000.00	
Total Projects												\$985,034,382	

C<sup>3</sup> Community Water Systems must be ranked above non-community water systems

Notes<sup>4</sup>: LEAD indicates the system has discovered lead or galvanized pipe in their transmission / distribution system.

Funded<sup>4</sup>: System as received partial or full funding from SRF, is not complete, and must stay on the list until project is complete.

	Class I	Class II	Class III	Class IV
<sup>1</sup> New Projects	0	1	20	0
<sup>2</sup> Disadvantaged Systems / Projects	2	6	120	1
Projects for communities less than 10,000	2	9	134	1
<sup>5</sup> Funded Projects	1	6	21	1

## Disadvantaged Projects

Total	495,016,394.82
Average cost per project	3,778,751.11

## Attachment B

## Scale for Nevada's Affordability Criteria

Income Data		Possible Points
<b>Median Household Income (MHI) of project service area</b>		
<i>MHI shall be taken to mean the latest American Community Survey information used for the current year project priority list that relates to the census tract of the project area; or a valid income survey performed within the last five calendar years.</i>		
Based upon the Current Priority List data		
*Below 80% of the State MHI		50
*Between 80% and 99% of State MHI		30
*Between 100% and 119% of State MHI		0
*Above 120% of State MHI		-10
<b>Percent of families and people whose income in the past 12 months is below the state poverty level</b>		
*Project service area is at or below the state percent		20
*Project service area is below the state percent		0
Population Trend		Possible Points
Based upon last three years of American Community Survey best available data		
*Decreasing and/or system serves less than 1000 residents		5
*Increasing		0
Workforce Indicators		Possible Points
<b>Percent of residential population of the service area not in the workforce</b>		
Based upon American Community Survey used for MHI data		
*Lower than or equal to state		0
*Between 100% and 110% of state		10
*Between 111% and 120% of state		15
*Above 120% of State		20
<b>Unemployment Rate</b>		
Based upon American Community Survey used for MHI data		
*Lower than or equal to the state		0
*Between 100% and 110% of state		5
*Greater than 110% of state		10

Affordability		Possible Points
How will additional loan dollars impact water system residential rates		
<i>*Rates must already be sufficient to cover current operations, maintenance, debt service and required reserves for the system.</i> <i>*Average user rate is based on the rate a residential customer would pay for the average usage of water consumed.</i>		
The system has not specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure		-5
System has not reviewed rates in five years		-5
Residential average user rates increased by more than 10% in the last 5 years, or will increase by more than 10% to fully fund this project		10
Residential average user rates increased by more than 20% in the last 5 years, or will increase by more than 20% to fully fund this project		20
Residential average user rates increased by more than 30% in the last 5 years, or will increase by more than 30% to fully fund this project		30
Residential base rate to Median Household Income:		
*Residential base rate is above 2.0% of the communities MHI		20
*Residential base rate is between 1.5% and 1.99% of the communities MHI		10
*Residential base rate is below 1.5% of the communities MHI		0
Other Factors		Possible Points
Qualifies as a Class A project on the current Clean Water Priority List		10
Project is preparing a PER with an ER to plan for a project		10
Septic-to-Sewer Conversions with required centralized system consolidation		10
Project addressing non-point source, stormwater, or green infrastructure		10
System at risk for emergencies or is facing a current emergency		10
Population demographics 10% of the population (see below)		10
Population demographics 15% of the population (see below)		20
Population demographics 25% of the population (see below)		30
2nd homes/vacation homes are greater than 30% of the service area		-10
<b>Maximum Points are 235</b>		
<b>Points needed to Qualify for Principal Forgiveness is 50</b>		
<b><u>Population Demographics</u></b>		
Percent of the population experiencing one or more of the following will receive additional points		
<ul style="list-style-type: none"> <li>*Temporary Assistance for Needy Families (TANF)</li> <li>*Medicaid benefits</li> <li>*Supplemental Nutrition Benefits</li> <li>*Low-income housing assistance</li> <li>*Utility assistance</li> <li>*Disabilities</li> <li>*Population not proficient in the English language</li> <li>*Population that is non-white/minority</li> <li>*No health insurance</li> <li>*Location is more than 50 miles from the nearest accessible Social Services (Medicaid, SNAP etc.)</li> </ul>		

**Loan Commitment from the Drinking Water  
State Revolving Fund**

Board for Financing Water Projects

June 2023

## Blue Diamond Water Cooperative

Amount and Term	Recommendation
<u>\$73,950.00</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve a loan commitment to the Blue Diamond Water Cooperative for a Preliminary Engineering Report (PER) to investigate and prioritize drinking water delivery system repairs and upgrades.

### Management and Structure

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**Loan Recipient  
and Structure** Blue Diamond Water Cooperative is a private water system.

**Project system** The project is for Blue Diamond Water Cooperative (NV0000092).

### System Project for Funding

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**Priority List** #112 on the Drinking Water SRF Priority List Effective June 2023.

**Need** The Blue Diamond Drinking Water System has aging system components up to 100 years in age. When the Blue Diamond Cooperative acquired the system from the Union Pacific Railroad, the system was in a neglected and deteriorated state. The Blue Diamond Water Cooperative has worked to bring the system into compliance with NDEP Bureau of Safe Drinking Water standards. However, this drinking water system requires frequent emergency repairs. These costly repairs cause reliability and delivery issues to the community served by the Blue Diamond Cooperative drinking water system and is not sustainable.

**Chosen Project** A PER is sought to evaluate the Blue Diamond Cooperative drinking water system and identify and prioritize repairs, replacements, and upgrades. The aim of this PER is to identify a capital improvement project to mitigate the need for the emergency repairs and increase the reliability and service of the drinking water system for the community it serves.

**Project  
Alternatives** Project alternatives and priorities will be evaluated with this PER.



**Maps** Maps are attached to this report.

**Timeline** PER/ER Initiation: August 1, 2023  
PER/ER Final Report: January 30, 2024

Sources of Project Funding		DWSRF	Capital Improvement Grant	Local	Total
	Planning	\$73,950.00	\$0.00	\$13,050.00	\$87,000.00
	<b>Totals</b>	<b>\$73,950.00</b>	<b>\$0.00</b>	<b>\$13,050.00</b>	<b>\$87,000.00</b>

## Environmental Review

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To be developed with the PER.

## Community Engagement

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The sole member and all five directors of the Blue Diamond Water Cooperative adopted a resolution to file an application to the State Drinking Water State Revolving Fund for the purposes of funding a Preliminary Engineering Report. The effective date of this resolution was February 21, 2023.

## System Information

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**System Location** Clark County

**System Population** 36

**System Service Connections** 14

**System Infrastructure** The system source is Cottonwood Spring with a distribution system and a chlorinator.

**Compliance** A corrective action plan was issued by the Southern Nevada Health District in 2016 because of observed contamination of the spring box. These same deficiencies were noted again in a 2018 follow-up. Correction of this deficiency will need to be included in the capital improvement project resulting from this PER.

- User Water Rates**
- Residential flat rate per user per month: \$100.00
  - The current total number of customers is 14, total annual receipts are \$16,800.00, therefore, annual per user charge is \$1,200.00.
  - A rate study is being conducted with technical assistance support.

## Information

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**Water Conservation Plan** The Water Conservation Plan is currently being developed with assistance from the Rural Community Assistance Corporation and is expected to be produced prior to signing the loan contract.

**Technical Capacity** The Blue Diamond Cooperative drinking water system requires operator certification level D1-T0. The operator for this water system (number OP00196) holds full D-3 and T-2 certification.

Based on this data, the Blue Diamond Cooperative has the technical capacity for NDEP to recommend funding support.

**Managerial Capacity** The sole member and all five directors of the Blue Diamond Water Cooperative took control of the system in October of 2022. They have been responsive to managerial assistance, have researched the requirements to operate a water system, and have worked with regulatory agencies to understand their responsibilities. The Blue Diamond Water Cooperative has demonstrated managerial capacity for NDEP to recommend funding support.

**Financial Capacity** Blue Diamond is re-building its financial records. The current owners inherited the system in October 2022 and were not able to obtain any historical financial records from the previous owners. Due to water line breaks and repairs, the system is currently running at a loss. NDEP will monitor their financial situation throughout this project.

### Financial Information as of Oct. 19, 2022

Unrestricted Cash: \$5,721.00

Outstanding Debt: None

NDEP can recommend funding support to a project while they continue to build financial capacity. NDEP will require a rate analysis and financial training prior to proceeding with a construction project as part of this PER project.

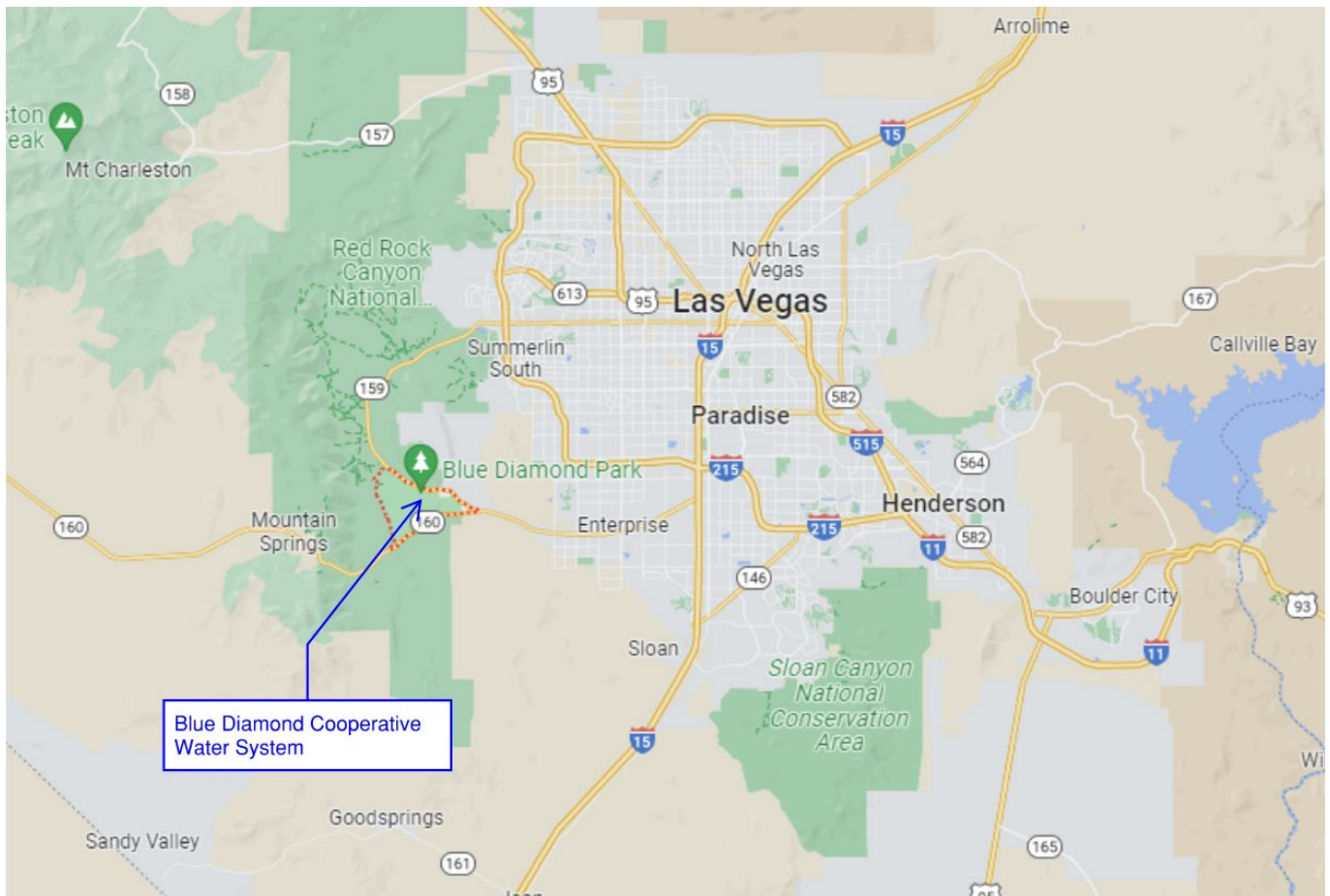
**Fiscal Sustainability Plan** An Asset Management Plan will not be required as part of the condition for funding the PER and ER.

<b>Capital Replacement Reserve Account</b>	A Capital Replacement Reserve Account will not be required as part of the condition for funding the PER and ER.
<b>DWSRF Principal Forgiveness Eligibility Criteria</b>	The proposed project is a PER and ER, which qualifies for principal forgiveness funding.

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## Maps and Exhibits

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Blue Diamond Water Cooperative Water System location



Blue Diamond Community

## DWSRF Authority and Purpose

The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “commit any money in the account for the revolving fund for expenditure ... without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)).

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- A completed rate analysis for financial sustainability shall be completed prior to the final loan draw.
- Financial training through technical assistance shall be completed prior to the final loan draw.
- A 15% match for each disbursement request is required.
- The PER must meet the conditions of NDEP’s guidance documents and the Rural Utilities Services Bulletin 1780-2. The ER must address the chosen project(s) area of impact to move the project into the design phase for funding. Should the document not meet these conditions, the funding awarded to create the document must be repaid to the NDEP Office of Financial Assistance (OFA).
- OFA will request planning meetings with borrowers and their selected engineering professional to discuss the status of the document. OFA may reimburse eligible expenses in connection with these meetings throughout the creation of the documents.

Percentage of completion of document	Eligible reimbursement
30%	30%
60%	60%
90%	90%
100%	100%

Should no reimbursements be requested that meet the percentage of completion requirement, NDEP will request the following planning meetings:

Months	Eligible reimbursement
6 months	30%
9 months	60%
12 months	90%
15 months and every 3 months thereafter	90% until complete

## **RECOMMENDED MOTION FOR THE DWSRF LOAN**

I move to approve the resolution titled "D9A-0623 Blue Diamond Water Cooperative Project Loan Commitment," which is intended to finance certain projects in an amount not to exceed \$73,950.

# Loan Commitment from the Drinking Water State Revolving Fund

Board for Financing Water Projects

June 2023

## Weed Heights Development

Amount and Term	Recommendation
<u>\$63,750.00</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve a loan commitment to the Weed Heights Development for the development of a Preliminary Engineering Report and Environmental Review

### Management and Structure

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**Loan Recipient and Structure** Weed Heights Development is a private water system.

**Project system** The project is for Weed Heights Development (NV0000242).

### System Project for Funding

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**Priority List** Priority #118 Nevada Drinking Water Priority List Effective June 2023

**Need** Weed Heights Development needs to understand system improvements needed to bring the water distribution system back up to Safe Drinking Water Standards.

**Chosen Project** The Weed Heights General Improvement District's Preliminary Engineering Report (PER) and Environmental Review (ER) will focus on the water distribution system with a focus on distribution pipes, valves, and hydrants.

**Project Alternatives** Project alternatives and priorities will be evaluated with this PER.

**Maps** Maps are attached to this report.

**Timeline**

PER/ER Initiation:	August 2023
PER/ER Final Report:	February 2024



Sources of Project Funding		DWSRF	Capital Improvement Grant	Local	Total
	Planning	\$63,750.00	\$0.00	\$11,250.00	<b>\$75,000.00</b>
	<b>Totals</b>	<b>\$63,750.00</b>	<b>\$0.00</b>	<b>\$11,250.00</b>	<b>\$75,000.00</b>

## System Previous Commitments and Studies

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### DW2206: Water Tank Recoat Project

Executed in 2022, this project recoats three water storage tanks and one bolted dome finishing tank in the Weed Heights Development Public Water System. Budgeted DWSRF funds are \$1,481,300.00.

## Environmental Review

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Environmental review will be completed with the PER.

## Community Engagement

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Weed Heights Development has engaged with the community during recent issues with the distribution system. Broken valves have resulted in shutdowns in the system and complaints from customers. Weed Heights Development has shared information with their customers that they are moving forward to develop a PER to address the noted issues.

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## System Information

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**System Location** Weed Heights

**System  
Population** 340

**System Service  
Connections** 250

**System  
Infrastructure** The Weed Heights Development public water system has two active wells for water source with two pump stations to assist in water delivery. Water is stored in the BLM tank (1,240,000-gallon capacity), the Austin North tank (35,200-gallon capacity), the Austin South tank (35,200-gallon capacity), and the Dome finishing tank (322,500-gallon capacity). The water system includes chlorination and arsenic treatment through ferric arsenate coagulation and removal through media filtration.

**Compliance** Significant deficiencies were observed and documented in the October 21, 2022; sanitary survey conducted by the NDEP Bureau of Safe Drinking Water. Significant deficiencies found during this sanitary survey include lead paint found in the interior of the Austin booster pump station tank and the upper storage tank. No concrete foundation was observed in the upper tank, bringing into question structural competence. The lower storage tank coatings were also found to be inadequate with the failure of the liner.

**User Water Rates**

- Water is included in the monthly rental fee.

Rents collected sufficiently cover operation and maintenance of the system.

## Weed Heights Information

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**Water Conservation Plan** The Weed Heights Development submitted a Water Conservation Plan to the Nevada Division of Water Resources in July of 2021. An updated Water Conservation Plan will be required before July of 2026.

**Technical Capacity** The Weed Heights Development drinking water system requires operator certification levels D-2 and T-2. The operator for this water system (number OP02837) holds full D-2 and T-2 certification.

Based on this data, the Weed Heights Development has the technical capacity for NDEP to recommend funding support.

**Managerial Capacity** Weed Heights has a five-member board that has been responsive to system needs and requests from NDEP. The last time this project was addressed at a public meeting was April 26, 2022. Weed Heights has demonstrated managerial capacity for NDEP to recommend funding support.

**Financial Capacity** Based upon the financial information provided, Weed Heights can meet its short-term and long-term financial needs.

Financial Information as of June 30, 2022

Unrestricted Cash: \$859,131  
Days cash on hand: 298  
Outstanding Debt: None  
Operating Income before Depreciation: 242,681  
Current Ratio: 7.36  
Debt Coverage: None

\*Financial information is not independently audited.

Weed Heights has demonstrated financial capacity for NDEP to recommend funding support.

**Asset Management Plan** An Asset Management Plan will not be required as part of the condition for funding the PER and ER.

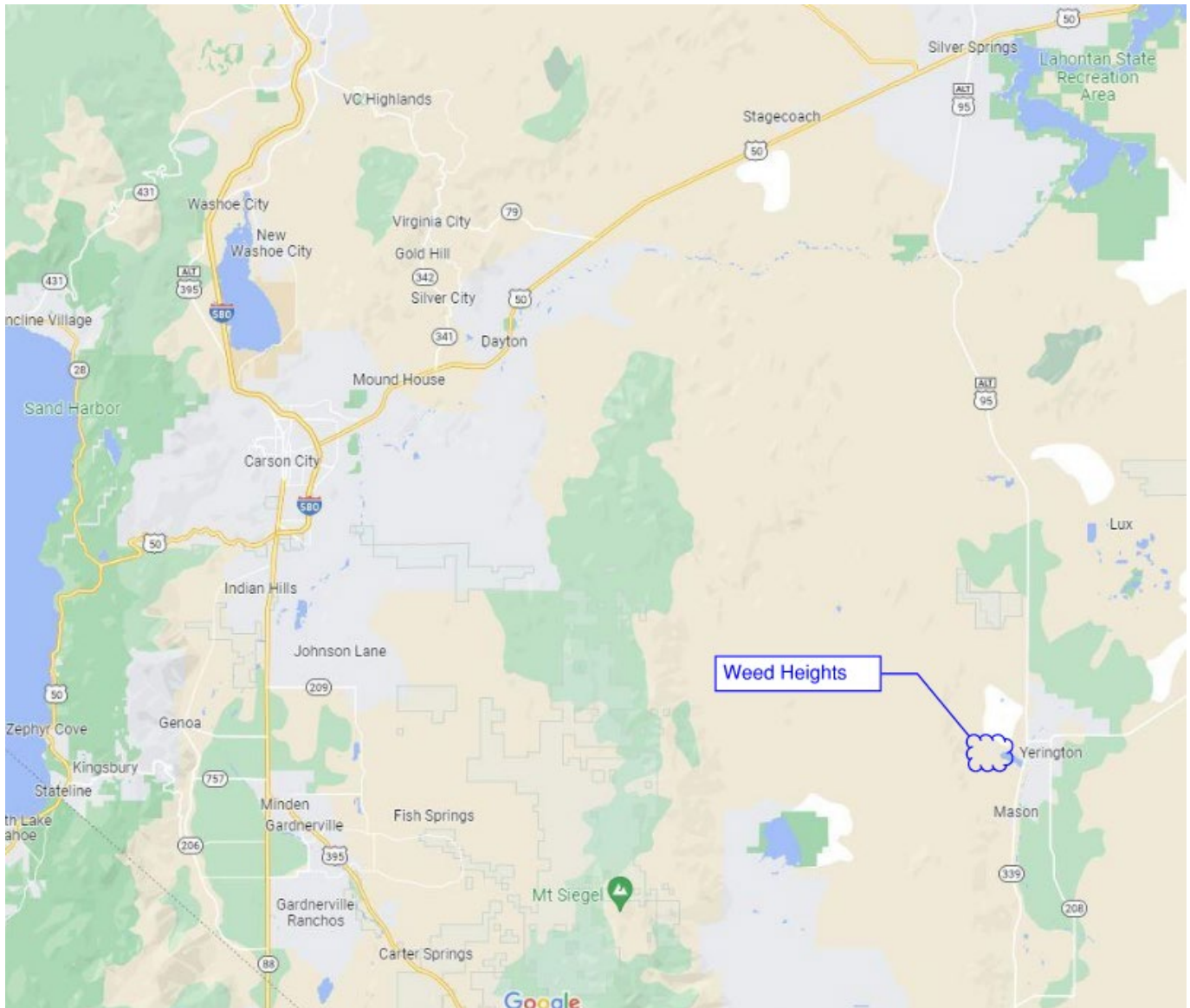
**Capital Replacement Reserve Account** A Capital Replacement Reserve Account will not be required as part of the condition for funding the PER and ER.

**DWSRF Principal Forgiveness Eligibility Criteria** The proposed project is a PER and ER, which qualifies for principal forgiveness funding.

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## Maps and Exhibits

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Weed Heights Development Location Map



Weed Heights Development Aerial Image

## DWSRF Authority and Purpose

The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “commit any money in the account for the revolving fund for expenditure ... without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)).

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- A 15% match for each disbursement request is required.
- The PER must meet the conditions of NDEP’s guidance documents and the Rural Utilities Services Bulletin 1780-2. The ER must address the chosen project(s) area of impact to move the project into the design phase for funding. Should the document not meet these conditions, the funding awarded to create the document must be repaid to the NDEP Office of Financial Assistance (OFA).
- OFA will request planning meetings with borrowers and their selected engineering professional to discuss the status of the document. OFA may reimburse eligible expenses in connection with these meetings throughout the creation of the documents.

Percentage of completion of document	Eligible reimbursement
30%	30%
60%	60%
90%	90%
100%	100%

Should no reimbursements be requested that meet the percentage of completion requirement, NDEP will request the following planning meetings:

Months	Eligible reimbursement
6 months	30%
9 months	60%
12 months	90%
15 months and every 3 months thereafter	90% until complete

## **RECOMMENDED MOTION FOR THE DWSRF LOAN**

I move to approve the resolution titled “D09B-0623 Weed Heights Development Project Loan Commitment,” which is intended to finance certain projects in an amount not to exceed \$63,750.

**Loan Commitment from the Drinking Water  
State Revolving Fund**

Board for Financing Water Projects

June 2023

## Silver Knolls Mutual Water Company

Amount and Term	Recommendation
<u>\$100,000.00</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve a loan commitment to the Silver Knolls Mutual Water Company for a Preliminary Engineering Report (PER) and Environmental Review (ER) to study and select a redundant well location, tank upgrade requirements, and water meter options.

### Management and Structure

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**Loan Recipient  
and Structure** Silver Knolls Mutual Water Company (NV0004021) is a privately owned community water system.

### System Project for Funding

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**Priority List** Priority #150 on the Drinking Water SRF Priority List Effective June 2023.

**Need** The Silver Knolls community is currently without a redundant source of water and is out of compliance with the Washoe County Sanitary Survey for redundant drinking water sources. If issues were to arise with the current well, the Silver Knolls Community would be without water for an undeterminable amount of time. Additionally, the water storage tank is aging and needs to be relined. Additional upgrades or improvements to be completed at the time of the recoating are to be determined. Water meters are aging and in need of replacement so that the Silver Knolls Mutual Water Company can accurately account for all water in the system. These items of work will also be considered with this study.

**Chosen Project** A PER/ER will be developed to determine the chosen project scope and priority to address the water system needs.



**Project Alternatives** Alternatives for the redundant source, water meter options, and tank recoating considerations will be considered with this PER/ER.

**Maps** Maps are attached to this report.

**Timeline**

PER/ER Initiation:	August 2023
PER/ER Final Report:	February 2024

Sources of Project Funding		DWSRF	Capital Improvement Grant	Local	Total
	Planning	\$100,000.00	\$0.00	\$20,000.00	<b>\$120,000.00</b>
	Design, inspection, and Construction Management	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Land Acquisition	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Equipment & Materials	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Construction / Improvements	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Administration	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Financing	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	Construction Contingency	\$0.00	\$0.00	\$0.00	<b>\$0.00</b>
	<b>Totals</b>	<b>\$100,000.00</b>	<b>\$0.00</b>	<b>\$20,000.00</b>	<b>\$120,000.00</b>

## System Previous Commitments and Studies

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### Silver Knolls 1: Back-up Well Project

Contract executed in 2001. Project included the drilling of an 8-inch redundant well which was required by the Washoe County District Health Department.

Total DWSRF program funds were \$119,999.96.

### DW1408: Arsenic Treatment Construction Project

Contract executed in 2014, this project constructed an arsenic treatment system with structure for the Silver Knolls community.

Total DWSRF program funds were \$500,000.00.

## DW2201: Arsenic Treatment Construction Project

Contract executed in 2022, this active project will replace the proprietary zirconium hydroxide absorptive media arsenic treatment system with a ferric arsenate floc arsenic treatment system because of the excessively high costs of chemicals and proprietary media.

DWSRF program funds obligated are \$520,360.00.

## Environmental Review

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Environmental review will be completed with the PER.

## Community Engagement

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The Silver Knolls Mutual Water Company has a five-member board that meets on a monthly basis; meetings are subject to the Open Meeting Laws. The Silver Knolls Mutual Water Company Board met on July 22, 2022, to approve the application to the Drinking Water SRF Program to request funding for a Preliminary Engineering Report and Engineering Review.

## System Information

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**System Location** Washoe County

**System  
Population** 200

**System Service  
Connections** 63

**System  
Infrastructure** The Silver Knolls Mutual Water Company currently has one active well, a 245,000-gallon water tank, arsenic treatment with structure, and a distribution system.

**Compliance** Significant deficiencies were observed and documented in the September 29, 2020 Sanitary Survey. The first observed deficiency is the lack of a redundant water source. This proposed PER/ER will develop a plan to address this deficiency. The second significant deficiency is that the arsenic treatment facility has not been utilized since the original 2017 deficiency. This significant deficiency is currently being addressed with State Revolving Fund project DW2201, with the expectation that a new arsenic treatment system will be installed and functional by the end of the 2023 calendar year.

<b>User Water Rates</b>	<ul style="list-style-type: none"><li>Residential base rate per user per month: \$110.00 (0-35,000 gallons of water)</li></ul> <p>Commodity Rate:</p> <table><tr><td>Tier 1:</td><td>35,001-50,000</td><td>\$0.50 per/1000 gallons</td></tr><tr><td>Tier 2:</td><td>50,001-75,000</td><td>\$1.00 per/1000 gallons</td></tr><tr><td>Tier 3:</td><td>75,001-100,000</td><td>\$7.00 per/1000 gallons</td></tr><tr><td>Tier4:</td><td>100,001+</td><td>\$10.00 per/1000 gallons</td></tr></table> <ul style="list-style-type: none"><li>Average Water Rate/Use for system: \$110.00 (7,787 gallons)</li></ul> <p>The water rates established sufficiently cover operation, maintenance, and debt service of the system.</p>	Tier 1:	35,001-50,000	\$0.50 per/1000 gallons	Tier 2:	50,001-75,000	\$1.00 per/1000 gallons	Tier 3:	75,001-100,000	\$7.00 per/1000 gallons	Tier4:	100,001+	\$10.00 per/1000 gallons
Tier 1:	35,001-50,000	\$0.50 per/1000 gallons											
Tier 2:	50,001-75,000	\$1.00 per/1000 gallons											
Tier 3:	75,001-100,000	\$7.00 per/1000 gallons											
Tier4:	100,001+	\$10.00 per/1000 gallons											
	Current Water Rates were effective January 01, 2022.												

## Information

**Water Conservation Plan** Silver Knolls Mutual Water Company does not have a water conservation plan approved by the Nevada Division of Water Resources. Silver Knolls Mutual Water Company controls water usage through its rate structure. Assistance in preparing a water conservation plan is available through NDEP's Technical Assistance Program.

**Technical Capacity** The Silver Knolls Mutual Water Company drinking water system requires operator certification levels D-1 and T-2. The operator for this water system (number OP001049) holds full D-4 and T-4 certification.

Based on this data, the Silver Knolls Mutual Water Company has the technical capacity for NDEP to recommend funding support.

**Managerial Capacity** Silver Knolls Mutual Water Company is governed by a five-member board and has been responsive to NDEP requests for information. The last time this project was addressed at a public meeting was May 9, 2023. Silver Knolls Mutual Water Company has demonstrated managerial capacity for NDEP to recommend funding support.

**Financial Capacity** Based upon the financial information provided, Silver Knolls Mutual Water Company can meet its short-term and long-term financial needs.

### Financial Information as of Dec. 31, 2022

Unrestricted Cash: \$75,374.00

Days cash on hand: 278

Outstanding Debt: None

Operating Income before Depreciation: \$25,284.00

Current Ratio: 4.49

Debt Coverage: None

\*Financial information is not independently audited.

Silver Knolls Mutual Water Company has demonstrated financial capacity for NDEP to recommend funding support.

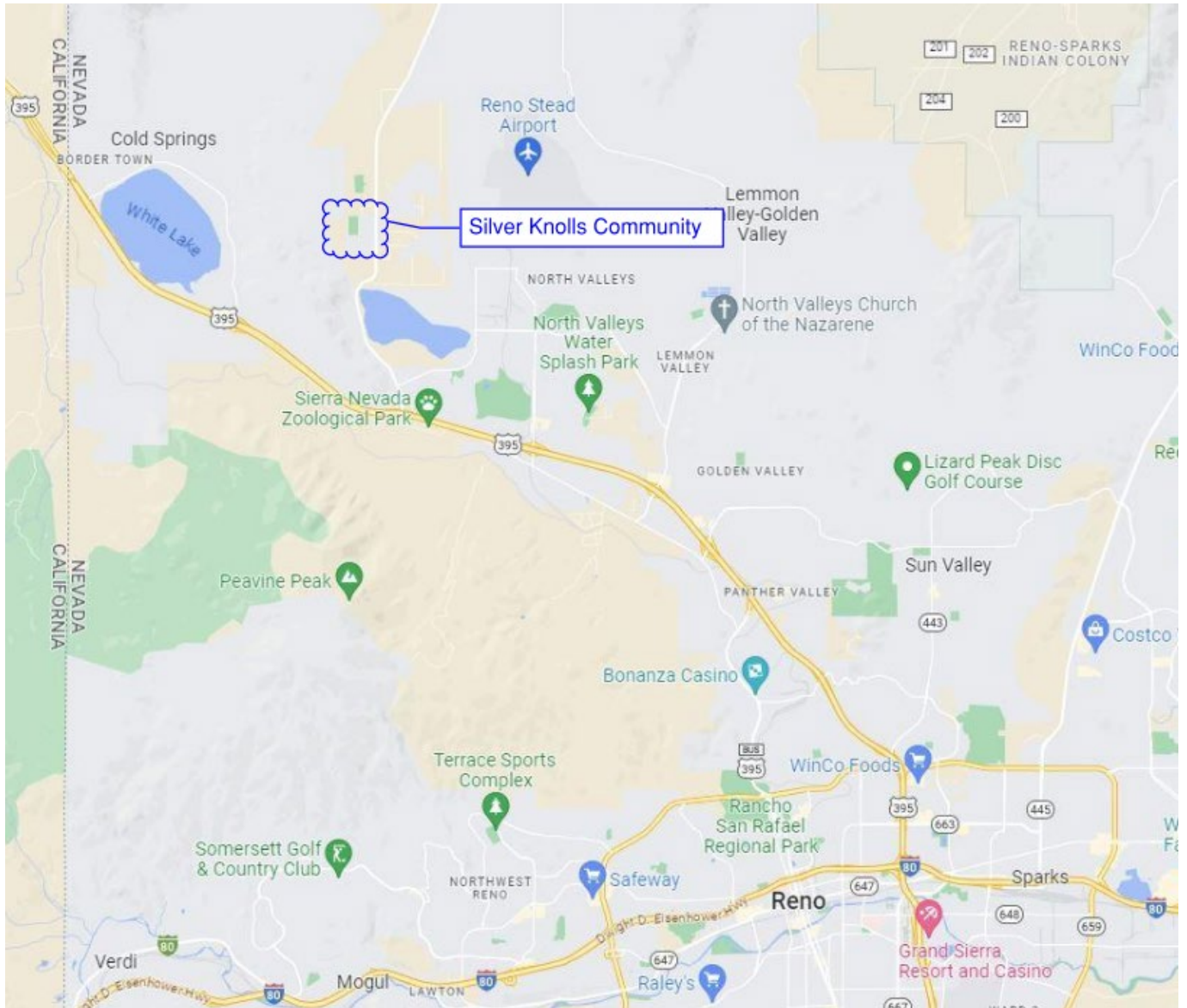
**Asset Management Plan** An Asset Management Plan is part of previous loan conditions for principal forgiveness funding. This project will not contain a requirement for an asset management plan.

**Capital Replacement Reserve Account** Silver Knolls Mutual Water Company has a Capital Replacement Reserve account established. The balance in the reserve account as of Dec. 31, 2022, was \$100,706.

**DWSRF Principal Forgiveness Eligibility Criteria** Silver Knolls Mutual Water Company is addressing a need for a PER/ER and therefore, eligible to receive up to \$ 100,000.00 in principal forgiveness funding, if funds are available. The system is not considered disadvantaged.

## Maps and Exhibits

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## DWSRF Authority and Purpose

The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “commit any money in the account for the revolving fund for expenditure ... without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)).

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- A 15% match for each disbursement request is required.
- The PER must meet the conditions of NDEP’s guidance documents and the Rural Utilities Services Bulletin 1780-2. The ER must address the chosen project(s) area of impact to move the project into the design phase for funding. Should the document not meet these conditions, the funding awarded to create the document must be repaid to OFA.
- OFA will request planning meetings with borrowers and their selected engineering professional to discuss the status of the document. OFA may reimburse eligible expenses in connection with these meetings throughout the creation of the documents.

Percentage of completion of document	Eligible reimbursement
30%	30%
60%	60%
90%	90%
100%	100%

Should no reimbursements be requested that meet the percentage of completion requirement, NDEP will request the following planning meetings:

Months	Eligible reimbursement
6 months	30%
9 months	60%
12 months	90%
15 months and every 3 months thereafter	90% until complete

## **RECOMMENDED MOTION FOR THE DWSRF LOAN**

I move to approve the resolution titled “D09C-0623 Silver Knolls Mutual Water Company Project Loan Commitment,” which is intended to finance certain projects in an amount not to exceed \$100,000.



**Loan Commitment from the Drinking Water  
State Revolving Fund**

Board for Financing Water Projects

June 2023

## Gerlach General Improvement District

Amount and Term	Recommendation
<u>\$110,000</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve additional loan commitment to the Gerlach General Improvement District for PRV meter replacement and spring meter pipe reconfiguration.
<u>\$238,000</u> Total Commitment	

### Original commitments

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<b>Project</b>	This project addresses needs of the Gerlach General Improvement District water system that were not known at the time of execution of the previous project or have resulted from that project. There are three water meters that are needed to monitor flows from the Garden Springs, Railroad Springs, and also the Pressure Reducing Valve (PRV) Station meter located in the PRV structure. This project alters the pipe configuration at the Railroad and Garden Spring meters to allow them to function as well as replacing the existing meter at the PRV station.
<b>Resolution and conditions</b>	Resolution D12-0121 for the Gerlach General Improvement District was adopted on January 20, 2021. This board resolution approved a not-to-exceed amount of \$128,000 in principal forgiveness funds from the Drinking Water State Revolving Fund.
<b>Need for additional funds</b>	<p>The Gerlach PRV project included the replacement of the flow meter head at the PRV station. However, the existing flow meter at this location will only measure flows in pipe-full-flow condition, which is not how the flow conditions in this water system function. The flow meter needs to be replaced with one that will produce measurements at low-flow conditions.</p> <p>The new flow meters at the Garden Springs and Railroad Springs were not installed per the manufacturers requirements and the plans did not depict the proper meter location. The pipe configuration at these springs must be modified for the proper function of these new meters.</p>

**Timeline**

	<b>Original</b>	<b>Updated</b>
Design	Complete as of January 2021	July 2023 to August 2023
Construction Bid	March 2021	September 2023
Construction Start	July 2021	November 2023
Initiation of Operations	March 2022	February 2024

**Explanation of timeline changes**

Two options were available for the replacement of the low-flow meter for the PRV location. This first option could be installed in the existing PRV building but the parts needed for this option are backordered for about a year. The parts required for the second option could be available in about six months, but this option would require construction of a new building structure to house the meter as it would not fit in the existing location. Uncertainty about the availability of funding, timing for parts, and spring pipe modification design concepts extended the project timeline well past the construction window, causing the contractor to have to de-mobilize. The uncertainty of available funding also caused a delay in the contract amendment process.

**Sources of Project Funding**

	<b>Original</b>	<b>Updated</b>	<b>Total</b>
Planning	\$0.00	\$0.00	<b>\$0.00</b>
Design, inspection, & Construction Management	\$0.00	\$8,400.00	<b>\$8,400.00</b>
Land Acquisition	\$0.00	\$0.00	<b>\$0.00</b>
Equipment & Materials	\$128,000.00	\$0.00	<b>\$128,000.00</b>
Construction / Improvements	\$0.00	\$84,000.00	<b>\$84,000.00</b>
Administration	\$0.00	\$5,000.00	<b>\$5,000.00</b>
Financing	\$0.00	\$0.00	<b>\$0.00</b>
Construction Contingency	\$0.00	\$12,600.00	<b>\$12,600.00</b>
<b>Totals</b>	<b>\$128,000.00</b>	<b>\$110,000.00</b>	<b>\$238,000.00</b>

<b>Explanation for changes in budget</b>	Additional funding is required to replace the existing PRV meter with a meter that can measure flow at low-flow conditions and to reconfigure the pipes at Garden Springs and Railroad Springs such that the new flow meters will function properly.
<b>Opportunity for other funding</b>	Additional principal forgiveness funds in the DWSRF are available. The only funding source for this project is the DWSRF and local funding sources. To complete the entire project and utilize the existing contractor retained for the project, Gerlach would not have sufficient time to apply for funding from another source. In addition, providing the additional funding as a traditional loan would not be affordable for the community.

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- Review user rates at least every three (3) years for the life of the loan.
- Maintain a fiscal sustainability plan that is reviewed by the governing board at least every five (5) years.
- Maintain a capital replacement reserve account that is funded at least annually and re-evaluated every five (5) years.

### RECOMMENDED MOTION FOR THE DWSRF LOAN

I move to adopt the resolution titled "D10A-0623 Gerlach General Improvement District" to increase the loan amount by \$110,000 to an amount not-to exceed \$238,000.

# Loan Commitment from the Drinking Water State Revolving Fund

Board for Financing Water Projects

January 2021

## Gerlach General Improvement District

Amount and Term	Recommendation
<u>\$128,000</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve a loan commitment to the Gerlach General Improvement District (Gerlach) to rehabilitate transmission line appurtenances between spring source and the town of Gerlach.

### Community Information

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<b>Location</b>	Gerlach is in Washoe County, 107 miles north of Reno
<b>Structure</b>	General Improvement District (NRS 318), a community public water system (PWS) – NV0000071
<b>Population</b>	120
<b>Service Connections</b>	112 Residential; 24 Commercial; 15 Other

### Project for Funding

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<b>Need</b>	The applicant reports that numerous valves on the water transmission line are no longer operable and need to be replaced. These repairs will allow Gerlach to better regulate water flow, shut down the system in an emergency, and monitor inline water quality and flow.
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- Chosen Project** The project includes replacing two inline valves and installing one additional valve in the existing pipeline which runs from the treatment plant to the town of Gerlach. The project will also:
- Repair the pressure relief valve system
  - Replace two 4" and two 8" gate valves
  - Rebuild two CLA-VAL pressure reducing valves
  - Install electrical service to a building that houses the pressure relief system
  - Replace one flow meter and two pressure gauges
  - Install five gate valves, two gauges, and two meters at the point of connection on the water transmission pipeline (between Garden and Railroad Springs)

**Project Alternatives** Given the age and condition of the existing features, the "no action" alternative is not a feasible alternative. Other project alternatives are not submitted for review at this time; however, given the general scope of the project and the geography limiting the existing pipeline and easements, the proposed project is considered a reasonable alternative.

**Maps** Maps are attached to this report.

**Timeline** Design: Complete  
 Construction Procurement: First quarter of 2021  
 Construction Award: early Second quarter of 2021  
 Completion: July 2022

**Sources of Project Funding**

	<b>DWSRF</b>	<b>Local</b>	<b>Total</b>
Planning	\$0	\$4,500	<b>\$4,500</b>
Design, Inspection, and Construction Management	\$0	\$0	<b>\$0</b>
Equipment and Materials	\$128,500	\$10,500	<b>\$138,500</b>
Administrative	\$0	\$2,000	<b>\$2,000</b>
<b>Totals</b>	<b>\$128,000</b>	<b>\$17,000</b>	<b>\$145,000</b>

## Previous Commitments and Studies

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Gerlach received a NV DWSRF principal forgiveness loan for \$374,775 to replace a 300,000 gallon-capacity storage tank. The project was completed in 2018, followed by a one-year warranty inspection conducted in July 2019. There were no reported concerns regarding performance issues.

## Environmental Review

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NDEP conducts environmental reviews of water projects, as authorized by Nevada law<sup>1</sup>. Projects that include replacing equipment or structures that will not have a significant individual or cumulative effect on the quality of the environment are eligible for a categorical exclusion and may be exempt from further substantive environmental review.

Gerlach is requesting categorical exclusion and submitted supporting environmental information. For the chosen project, an environmental review and a Section 106 consultation with the State Historic Preservation Office will be conducted by NDEP's Office of Financial Assistance. The findings, upon consideration, will be published for public comment.

Consultation with appropriate crosscutting agencies will be completed prior to signing a final commitment of financial assistance. No wetlands, floodplains, agricultural lands, or significant fish or wildlife species or habitat will be affected by the project. No national landmarks or property with nationally significant historic, architectural, prehistoric, archeological, or cultural value will be affected by the project. The public and the Board will be notified of this project via the electronic DWSRF mailing list. The notice will also be posted to the Nevada State Clearinghouse and NDEP websites.

## Community Engagement

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Gerlach Board of Trustees submitted a letter to NDEP, recognizing "the need to replace the failing valves on the water transmission line which services the town of Gerlach and confirm their direction to Gerlach staff to submit an application to the State Revolving Fund for financial support for this project." The Gerlach Public Works supervisor was authorized to sign this application.

## Current System Information

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<b>Infrastructure</b>	Gerlach has two mountain springs that are used as water supply sources, three spring vaults to collect groundwater, and three storage tanks – one 105,000 gallon-capacity, one 150,000 gallon-capacity, and one 300,000 gallon-capacity. Additional facilities in this PWS include a uranium reduction facility and a chlorinator and distribution system.
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<sup>1</sup> Nevada Administrative Code (NAC) 445A.6758 to 445A.67612

<b>Compliance</b>	<p>NDEP's Bureau of Safe Drinking Water (BSDW) conducted the most recent sanitary survey of Gerlach in October 2015. No significant deficiencies were noted. A new survey is anticipated in the near future.</p> <p>A review of information available from the Drinking Water Watch module found that one major violation – related to monitoring routines – was issued by BSDW in February 2020. No other unresolved, pending, or current violations are noted in the module.</p>
<b>Water Conservation Plan</b>	<p>The most recent water conservation plan was prepared in January 2014. A copy of the approved plan is currently available on the Nevada Division of Water Resources website.</p> <p>Information related to permitted water rights was not included in this plan. Based on 2014 estimates for usage patterns in the service area, approximately 75 to 85 gallons per capita consumption was estimated. A residential lawn watering restriction was considered and deemed unnecessary due to customers voluntarily reducing outdoor water usage. The plan also notes that Gerlach has completed an emergency management plan.</p> <p>Water conservation plans must be updated every five years and comply with Nevada statutes<sup>2</sup>.</p>
<b>Technical Capacity</b>	<p>Gerlach conducted a technical, managerial, and financial capacity (TMF) survey in December 2020. This is a useful tool for water systems to conduct a self-assessment to better understand strengths and weaknesses in their capacity to operate a system.</p> <p>Gerlach employs a certified operator who has the technical knowledge and ability to operate both the treatment and distribution systems. Gerlach has demonstrated technical capacity for NDEP to recommend funding support.</p>
<b>Managerial Capacity</b>	<p>Gerlach is managed by a five-member governing board. They have had successful construction projects in the past, as well as staff experienced with construction oversight. Gerlach has demonstrated managerial capacity for NDEP to recommend funding support.</p>
<b>Financial Capacity</b>	<p>Based upon the financial information provided, Gerlach is capable of meeting its short-term and long-term financial needs.</p> <p><u>Financial Information as of June 30, 2020*:</u></p> <ul style="list-style-type: none"> <li>• Unrestricted cash: \$380,793</li> <li>• Days cash on hand: 1,299</li> <li>• Outstanding debt: \$0</li> <li>• Operating income before depreciation: \$137,709</li> <li>• Current ratio: 439.56</li> <li>• Debt coverage: N/A (no debt)</li> </ul> <p>*Financial information is independently audited by Eide Bailly.</p>

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<sup>2</sup> Nevada Revised Statutes (NRS) 540.121 to 540.151

**User Water Rates** The water rates established sufficiently cover operation, maintenance, debt service, and reserves for the system.

- Residential base rate per user per month: \$39.20 (0-10,000 gallons)
- Commodity rate - \$.0008/gal (10,001-20,000 gallons)
- Average water rate/use for system: \$39.20 (8,812 gallons)

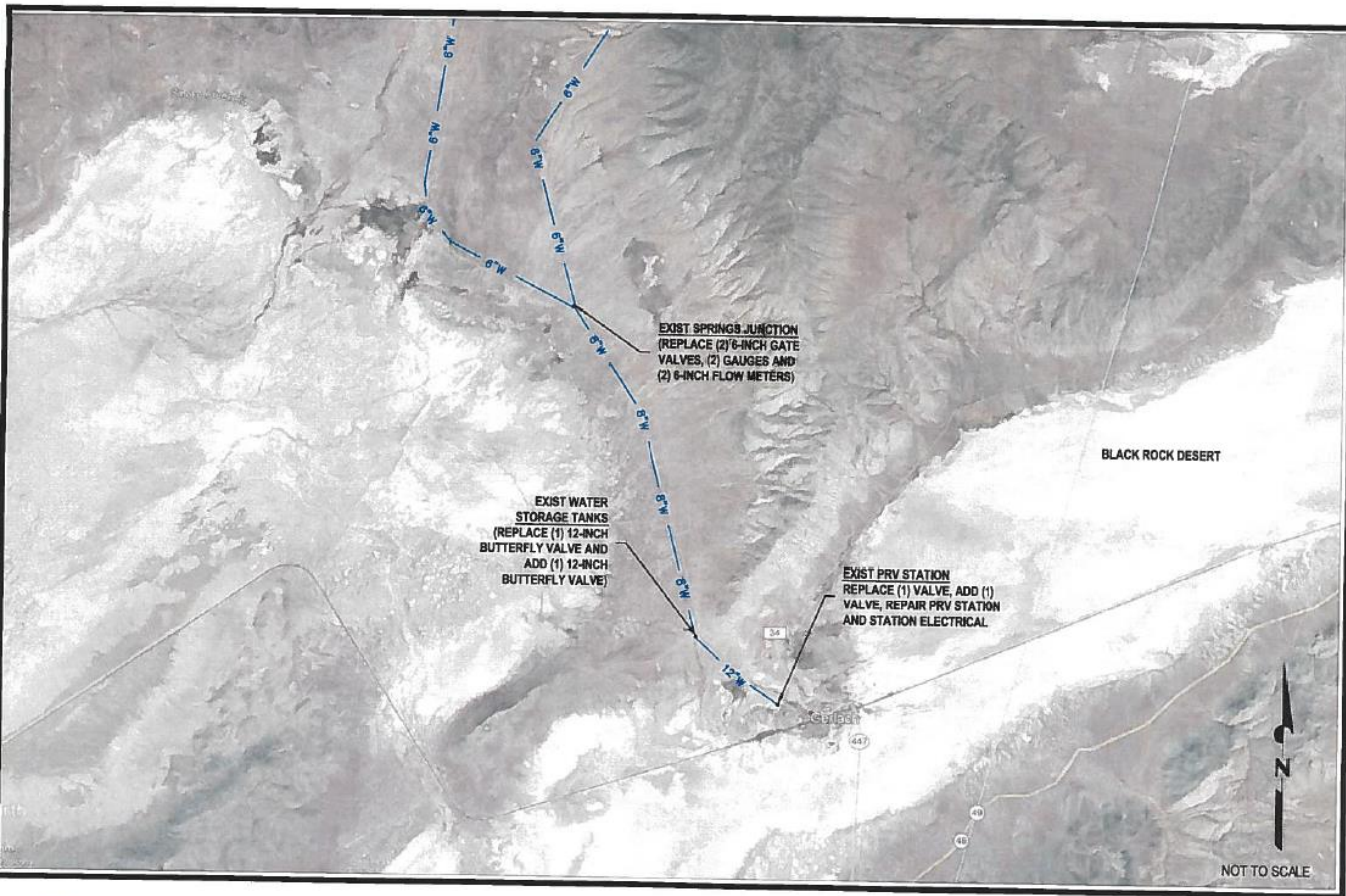
**Fiscal Sustainability Plan** A fiscal sustainability plan will be required in the loan agreement as part of a condition to receive principal forgiveness funding.

**Capital Replacement Reserve Account** The district is maintaining a capital replacement reserve account as required by previous capital improvement grant funding agreements. The balance as of June 30, 2020 is \$461,035. The proposed funding agreement will contain a requirement to maintain this reserve account.

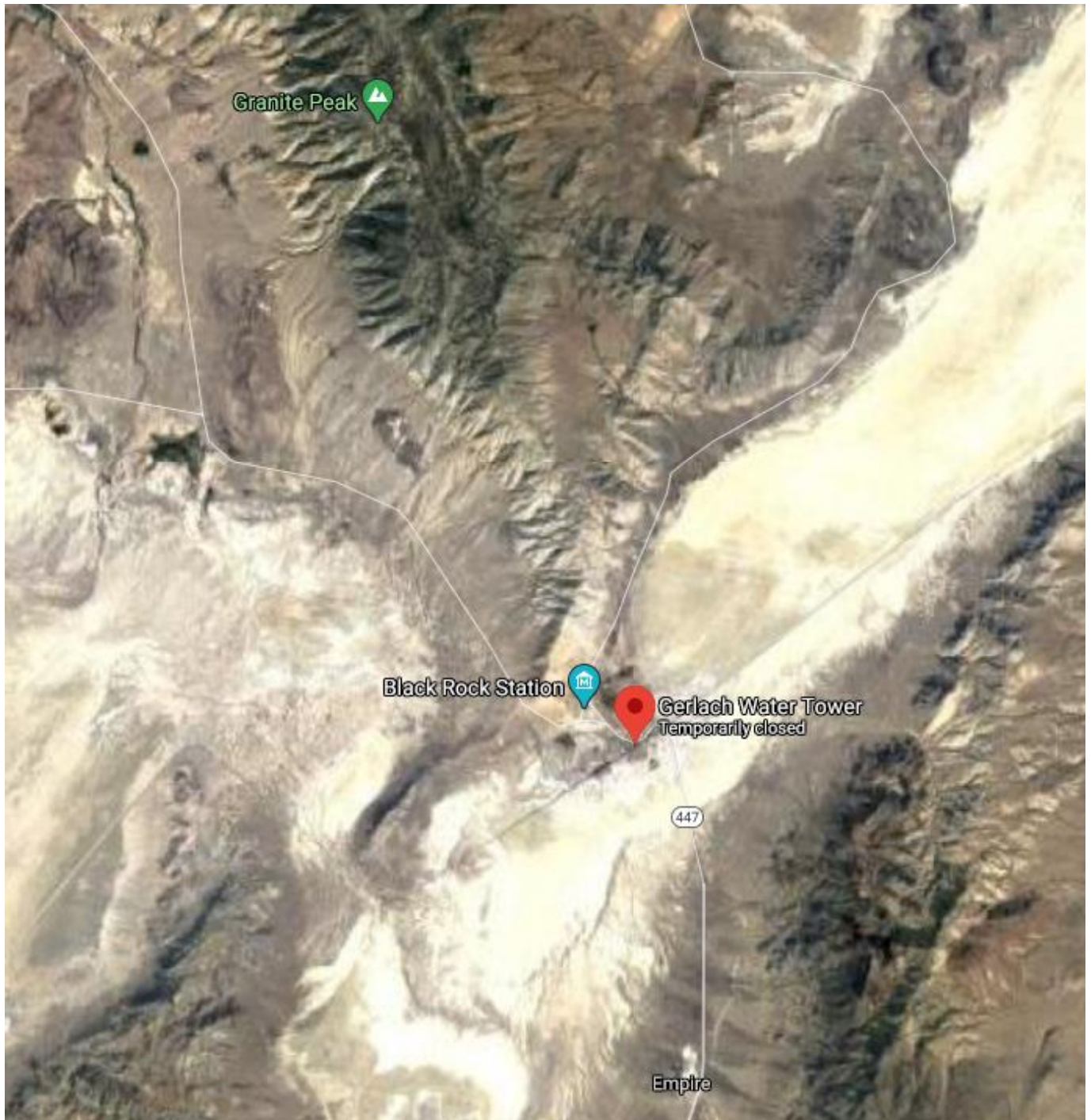
**DWSRF Principal Forgiveness Eligibility Criteria** The water system meets the definition of a disadvantaged community, per NAC 445A.675245.



MAPS AND EXHIBITS



**PROJECTS SITE MAP**  
GERLACH GID  
SRF APPLICATION







## DWSRF Authority and Purpose

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The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “commit any money in the account for the revolving fund for expenditure...without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)).

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- Review user rates at least every three (3) years for the life of the loan.
- Maintain a fiscal sustainability plan that is reviewed by the governing board at least every five (5) years.
- Maintain a capital replacement reserve account that is funded at least annually and re-evaluated every five (5) years.

## RECOMMENDED MOTION FOR THE DWSRF LOAN

I move to approve the resolution titled “D12-0121 Gerlach General Improvement District Project Loan Commitment,” which is intended to finance certain projects in an amount not to exceed \$128,000. Since the project is eligible for additional subsidy as specified in Nevada’s Intended Use Plan, 100 percent of the principal will be forgiven.

# Loan Commitment from the Drinking Water State Revolving Fund

Board for Financing Water Projects

June 2023

## Baker Water & Sewer GID

Amount and Term	Recommendation
<u>\$332,200.00</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve a loan commitment to Baker Water & Sewer General Improvement District for The Baker Water & Sewer General Improvement District Saddle-Tap replacement project.

### Management and Structure

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**Loan Recipient and Structure** Baker Water & Sewer General Improvement District (GID) is a non-profit public water system.

**Project system** NV0000863

### System Project for Funding

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**Priority List** Priority #50 on the Nevada Drinking Water SRF Priority List Effective June 2023.

**Need** There are approximately 94 service connections in the Baker Water & Sewer GID drinking water distribution system. In a one-month time frame, four saddle taps failed which resulted in the loss of thousands of gallons of water and loss of service for several residents.

The failure was the direct result of corrosion of U-bolts that occurred over time and caused leakage and damage to the saddle-tap. The Bureau of Safe Drinking Water was notified immediately and started conducting routine water tests. Currently there are approximately 90 saddle-taps remaining that were installed 30 years ago and could fail at any time. This project will save maintenance costs from the repair of failed saddle taps, prevent the loss of water, and eliminate the potential for water system contamination.

**Chosen Project** The project consists of selecting Alternative 2 (below) which replaces aging saddle taps in the Baker Water & Sewer GID drinking water distribution system and any other related, minor repair needs identified during this project undertaking. The replacement of these saddle taps will avoid water contamination, decrease maintenance costs from saddle tap

failures, conserve water through elimination of leaks, and increase level of service to Baker Water & Sewer GID customers.

**Project Alternatives** The alternatives analysis for the Baker Water & Sewer GID Saddle Tap project identified two alternatives, which are summarized below:

Alternative 1 is the “no-build” option: If this alternative is selected, the approximately 90 aging saddle taps will continue to fail. As these failures are not predictable, the availability of repair materials, contractors available to complete the work, and amount of time that lapses prior to discovery of the failure will result in high costs, the potential for excessive water loss, and undeterminable disruption to drinking water delivery services to Baker Water & Sewer GID customers.

Alternative 2 is to replace the approximately 90 aging saddle taps: If this alternative is selected, the saddle taps can all be replaced in one construction contract, minimizing cost, disrupting service, potentially conserving large volumes of water, and increasing the reliability of the Baker Water & Sewer GID drinking water system.

**Maps** Maps are attached to this report.

<b>Timeline</b>	Project Initiation:	July 2023
	Project Completion:	December 2023

:

The project is anticipated to take 20 weeks to complete:

- Design and Contract Documents - 4-weeks
- Advertisement and Awarding of Contract - 4-weeks
- Getting Bonds and Signing of Contracts - 2-weeks
- Construction of the project - 10-weeks

<b>Sources of Project Funding</b>	<b>DWSRF</b>	<b>Capital Improvement Grant</b>	<b>Local</b>	<b>Total</b>
Planning	\$17,274.00	\$0.00	\$0.00	<b>\$17,274.00</b>
Design, inspection, and Construction Management	\$9,634.00	\$0.00	\$0.00	<b>\$9,634.00</b>
Equipment and Materials	\$88,033.00	\$0.00	\$0.00	<b>\$88,033.00</b>
Construction / Improvements	\$149,490.00	\$0.00	\$0.00	<b>\$149,490.00</b>

Administration	\$13,620.00	\$0.00	\$0.00	<b>\$13,620.00</b>
Construction Contingency	\$54,149.00	\$0.00	\$0.00	<b>\$54,149.00</b>
<b>Totals</b>	<b>\$332,200.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$332,200.00</b>

## System Previous Commitments and Studies

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### **DW1602: Construct a new 265,000-gallon steel tank.**

Contract executed in 2015 and amended in 2016. Total DWSRF program funds were \$685,522.57.

### **DW2210: Develop a PER.**

Contract executed March of 2022, this PER is titled "Preliminary Engineering Report Lehman Creek Residential Area Water System prepared for Baker Water & Sewer General Improvement District". This PER is dated September 2022 and was created by Aqua Engineering. Total DWSRF program funds were \$100,000.00.

## Environmental Review

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If funding for the Baker Water & Sewer GID saddle-tap replacement project is approved and sufficient documentation is obtained from Baker Water & Sewer GID, NDEP will issue a Categorical Exclusion for the project for a 15-day public comment period. In accordance with NAC 445A.67583(2)(b) the project is eligible for a Categorical Exclusion as it is "(b) The replacement of equipment or structures." All construction work is located on previously disturbed land. Impacts to environmental resources are not anticipated.

## Community Engagement

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The Baker Water & Sewer General Improvement District has a five-member board that meets on a monthly basis; meetings are subject to Open Meeting Laws. The Baker Water & Sewer General Improvement District met on May 15, 2023, to approve the application to the Drinking Water SRF Program to request funding for the saddle-tap replacement project. Public Notice for the project will be posted for public comment for 15 days at the State Clearinghouse website and on NDEP's website.

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## System Information

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**System Location** White Pine County

**System Population** 150

**System Service Connections** 94

**System Infrastructure** The Baker Water & Sewer GID drinking water system consists of one active well with chlorination at the well, a 265,000-gallon storage tank that was constructed in 2016, and a distribution system.

**Compliance** In the last ten years, the only violations recorded by the Bureau of Safe Drinking Water for the Baker Water & Sewer GID were related to the Consumer Confidence Rule. Sanitary Surveys were conducted on October 21, 2021 and on September 12, 2018, with no significant deficiencies noted.

**User Water Rates**

- Residential base rate per user per month: \$23.00 (0 gallons of water)
- Commodity Rate: +\$1.00 per 1,000 gallons used.
- Average Water Rate/Use for system: \$43.00 (20,000 gallons)

The water rates established sufficiently cover operation, maintenance, debt service and reserves of the system

## Baker Water & Sewer GID Information

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**Water Conservation Plan** A Water Conservation Plan was received by the Division of Water Resources for the Baker Water & Sewer GID on June 23, 2014. An update of the Water Conservation Plan is required as more than five years has passed since the last update. The NDEP Office of Financial Assistance has submitted a request to provide technical assistance for Baker Water & Sewer GID to update their Water Conservation Plan

**Technical Capacity** The Baker Water & Sewer General Improvement District drinking water system requires operator certification levels of D-1 and T-0. The operator of this system (number OP00287) holds a full D-1 and T-1 certification.

Based on this data, the Baker Water & Sewer General Improvement District has the technical capacity for NDEP to recommend funding support.

**Managerial Capacity** The Baker Water & Sewer GID has a five-member board that has been responsive to system needs and requests from NDEP. The Baker Water & Sewer GID has demonstrated managerial capacity for NDEP to recommend funding support.



**Financial Capacity**

Financial Information as of June 30,2022

Unrestricted Cash: \$48,888  
Days cash on hand: 526  
Outstanding Debt: \$0.00  
Operating Income before Depreciation: \$8,522  
Current Ratio: 15.36  
Debt Coverage: None

\*Financial information is not independently audited.

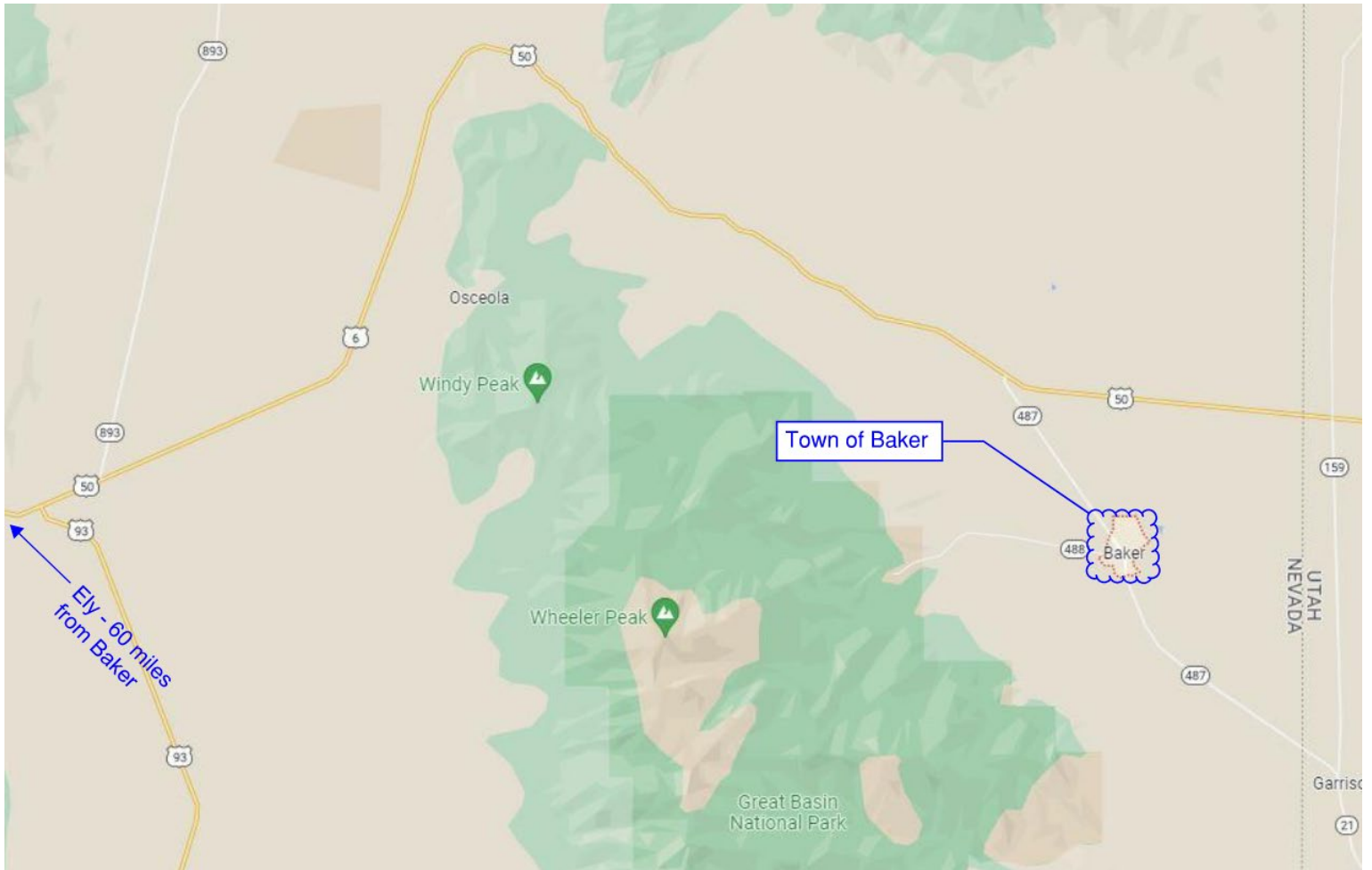
Financial information is independently compiled by McMullen McPhee

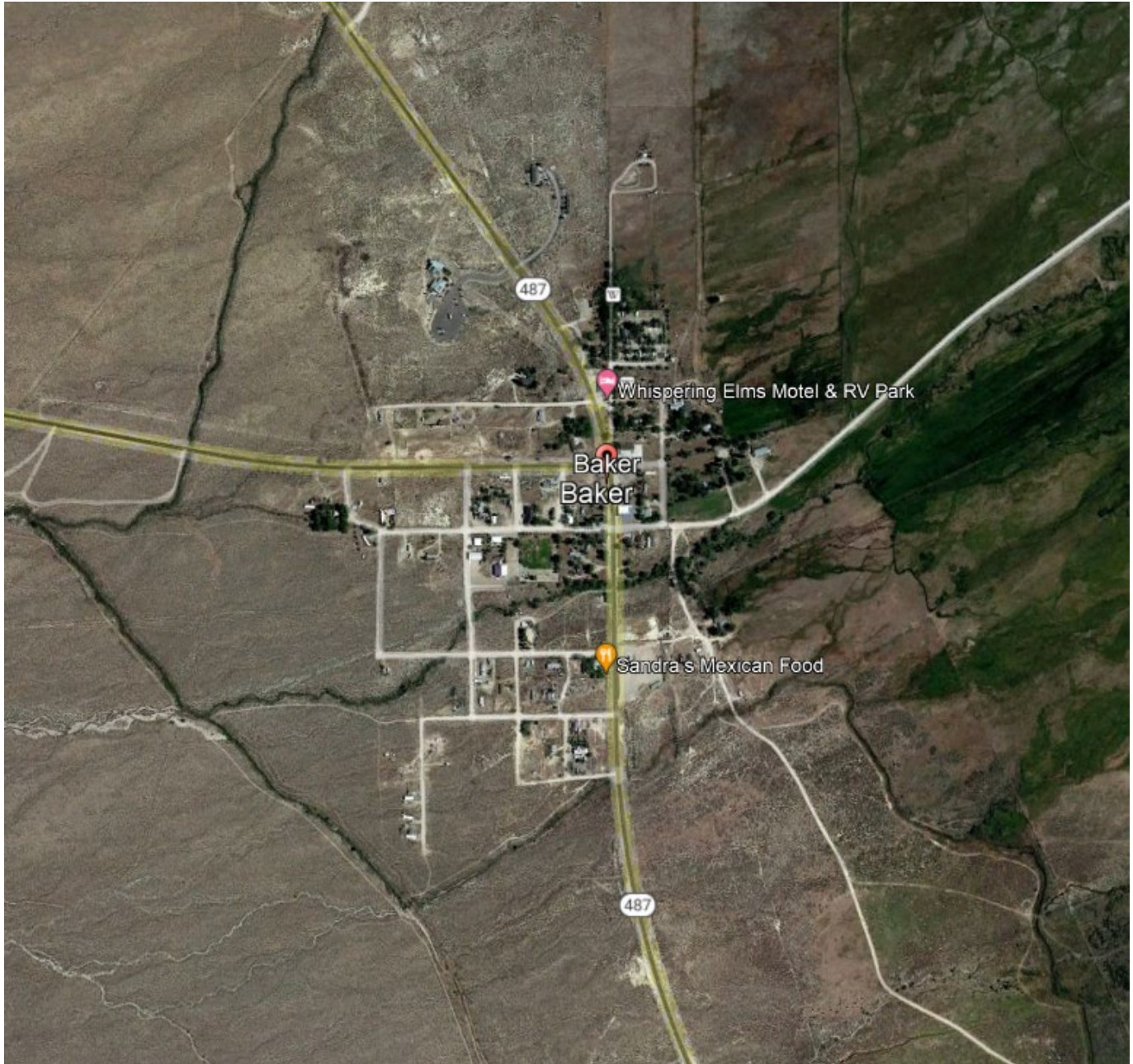
Baker Water & Sewer GID has demonstrated financial capacity for NDEP to recommend funding support.

<b>Asset Management Plan</b>	An Asset Management Plan will be part of the loan conditions for principal forgiveness funding. The plan must be submitted to NDEP before the final draw is issued.
<b>Capital Replacement Reserve Account</b>	A Capital Replacement Reserve Account will be required as part of the condition for funding. Proof of establishment must be submitted to NDEP before the final draw is issued.
<b>DWSRF Principal Forgiveness Eligibility Criteria</b>	Baker Water & Sewer GID qualifies as disadvantaged and is therefore eligible for principal forgiveness funding.

## Maps and Exhibits

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## DWSRF Authority and Purpose

The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “commit any money in the account for the revolving fund for expenditure ... without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)).

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- Review user rates at least every three (3) years for the life of the loan.
- Maintain an asset management plan that is reviewed by the governing board at least every five (5) years.
- Maintain a capital replacement reserve account that is funded at least annually and re-evaluated every five (5) years.
- For all areas of construction and disturbance, Baker Water & Sewer GID must provide legal documentation which demonstrates Baker Water & Sewer GID’s authority to construct, operate and maintain improvements included within the project scope. This documentation which may include easements or land ownership by the Baker Water & Sewer GID, must be in place prior to awarding construction contracts.

## RECOMMENDED MOTION FOR THE DWSRF LOAN

I move to approve the resolution titled “D11-0623 Baker Water & Sewer General Improvement District Project Loan Commitment,” which is intended to finance certain projects in an amount not to exceed \$332,200.

# Loan Commitment from the Drinking Water State Revolving Fund

Board for Financing Water Projects

June 2023

## Pershing County-Imlay

Amount and Term	Recommendation
<u>\$1,504,800</u> Principal Forgiveness from DWSRF	The Nevada Division of Environmental Protection (NDEP) recommends that the Board for Financing Water Projects (Board) approve a loan commitment to Pershing County for the construction of a new water tank and the purchase and installation of new well pump motors and SCADA.

### Management and Structure

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**Loan Recipient and Structure** Pershing County-Imlay is a community public water system.

**Project system** The project is for Imlay Water System (NV0000226), which is managed by Pershing County.

### System Project for Funding

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**Priority List** Priority #40 on the Drinking Water SRF Priority List Effective June 2023.

**Need** The Imlay Water System has many deficiencies that are caused by the age of the system, growth of the community, and statutes requiring redundancy to improve the reliability of the system. The existing 134,000-gallon water tank requires recoating of the interior, which if not addressed, will cause the water quality to degrade and potentially impact the health of the Imlay residents. If this single water storage tank were taken out of service to be media-blasted and re-coated, the community would not have access to drinking water during this operation. Additionally, this water tank does not have sufficient storage to supply drinking water volumes, nor at adequate pressures, to meet the current water usage demands of the residents of Imlay.

The drinking water source for the Imlay Water System is supplied by wells that do not have remote operational function. If one of the aging well pump motors experience an interruption in service or a mechanical failure, the operator will have to travel from 45 minutes away to activate the redundant well. This 45-minute lag only addresses the travel time. These aging pump motors are more prone to experience mechanical issues as well as being significantly less efficient than newer

pump motors. This inefficiency causes the pump motors to cycle more frequently than is necessary using significantly more electricity and increasing the likelihood of service interruption or failure.

**Chosen Project** The project includes the construction of a new water tank, the installation of new well pumps and motors at the existing primary well and backup well, the replacement of the Supervisory Control and Data Acquisition (SCADA) computer system, and any other related, minor repair needs identified during this project undertaking. The new tank is to be located alongside an existing 134,000-gallon water tank, in a location which was previously occupied by three 20,000-gallon water tanks prior to construction of the existing tank in 2008. The dimensions and elevation of the new water tank will be similar to the existing water tank. The pump and motor of the primary well are 15 years old and approaching the end of life for a submersible pump and motor. The backup well must be started and stopped manually, which impedes the service provided by the system. The SCADA computer system will be replaced with a new system to allow communication with the new storage tank and to both wells, allowing the system to run automatically.

**Project Alternatives** In addition to the project alternative detailed above as the “Chosen Project,” two additional project alternatives were considered in the Preliminary Engineering Report (PER) developed for the Imlay Water System. These other alternatives are highlighted below:

One alternative was to remove the existing 134,000-gallon water tank and construct, in its place, a new tank with an approximate capacity of 260,000 gallons to meet the storage requirements of the Imlay Community. This option was not selected as the remaining service life of the existing water tank is not utilized, and operating a water system with a single tank does not allow the tank to be taken out of service to be recoated without incurring significant expense for temporary water storage. This alternative is not operationally or financially feasible.

The second alternative selected is the “no-build” alternative. In this alternative, the interior coating of the existing water tank will continue to degrade. This degradation would decrease the life of the tank structure and could corrode it beyond repair, requiring the tank to be replaced at a significantly higher cost. The water quality would also continue to decrease as the tank coating degrades, creating a hazard to the Imlay residents. This alternative is not financially feasible and has the potential to introduce a health hazard to the Imlay residents.

**Maps** Maps are attached to this report.

**Timeline**

<b>Design:</b>	<b>September 2023</b>
Construction Bid:	February 2024
Construction Start:	March 2024
Initiation of Operations:	October 2024



<b>Sources of Project Funding</b>	<b>DWSRF</b>	<b>Capital Improvement Grant</b>	<b>Local</b>	<b>Total</b>
Planning already incurred	\$85,000.00	\$0.00	\$24,642.00	<b>\$109,642.00</b>
Design, inspection, and Construction Management	\$82,440.00	\$0.00	\$0.00	<b>\$82,440.00</b>
Construction / Improvements	\$961,800.00	\$0.00	\$0.00	<b>\$961,800.00</b>
Construction Contingency	\$274,800.00	\$0.00	\$0.00	<b>\$0.00</b>
Other	\$100,760.00	\$0.00	\$0.00	<b>\$100,760.00</b>
<b>Totals</b>	<b>\$1,504,800.00</b>	<b>\$0.00</b>	<b>\$24,642.00</b>	<b>\$1,529,442.00</b>

## Environmental Review

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If funding for the Imlay Water System new water tank project is approved and sufficient evidence is obtained from Pershing County, NDEP will issue a Finding of No Significant Impact (FONSI) for the project for a 30-day public comment period. In accordance with NAC 445A.67583(3), the project is not eligible for a Categorical Exclusion; NAC 445A.67583(3)(b) states that a water project that results in more than a minor increase in the capacity of a public water system to develop and treat water is ineligible for a Categorical Exclusion. The project herein includes the approximate doubling of the system's total water storage tank volume.

An Environmental Assessment for this proposed project was conducted by the borrower's consultant Farr West Engineering (now DOWL, Inc.). A Class I record search was performed by Great Basin Consulting Group, LLC to identify previous cultural resource inventories and cultural resources recorded in the vicinity of the proposed project. Ground disturbance activities will occur in previously disturbed areas and Best Management Practices (BMPs) will be utilized to minimize erosion/disturbance. It was recommended that land disturbance and vegetation clearing activities should occur outside of the migratory bird breeding season (identified as April 15 to July 15), or that a qualified biologist conduct a survey for bird breeding behavior within 10 days prior to the disturbance. Impacts to environmental resources are not anticipated; however, the project will be posted on the Nevada State Clearinghouse for comment.

This project is the first phase of general improvements to the Imlay Water System. Later phases may include tasks such as the recoating, rehabilitation, or replacement of the original tank; the replacement of the backup well if determined necessary following well evaluations; wellhead improvements; and water meters.

## Community Engagement

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Pershing County-Imlay Public Water System has a three-member board that meets twice per month; meetings are subject to the Open Meeting Laws. Pershing County met on June 7, 2023, to approve the application to the Drinking Water SRF Program to request funding for a new water tank, the installation of new well pumps and motors at the existing primary well and backup well, the replacement of the Supervisory Control and Data Acquisition (SCADA) computer system. Public Notice for the project will be posted for public comment for 30 days at the State Clearinghouse website and the NDEP website.

## Information

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**System Location** Pershing County

**System  
Population** 200

**System Service  
Connections** 98

**System  
Infrastructure** The Imlay Water System has two active wells for water source and one 134,000-gallon water tank for storage. The water system includes chlorination and a pipe system for water distribution.

**Compliance** No violations have been observed in the Imlay Water System in the last 10 years.

One significant deficiency was observed during the site survey conducted on May 23, 2022, related to the Coliform Sampling Plan. After further review it was determined that the Coliform Sampling Plan is in compliance with the Total Coliform Rule regulations.

**User Water Rates**

- Residential base rate per user per month: \$27.50
- Water fees collected sufficiently cover operation and maintenance of the system.

## Information

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**Water Conservation  
Plan** A Water Conservation Plan was received by the Division of Water Resources for the Imlay Water System on October 15, 2018. An update of the Water Conservation Plan is required as more than five years has passed since the last update. The NDEP Office of Financial Assistance has notified the Imlay Water System and Pershing County of this requirement and has provided



contact information for a Technical Assistance provider to assist with this update.

**Technical Capacity** The Imlay Water System requires operator certification levels D-1 and T-0. The operator for this water system (number OP002472) holds full D-1 certification. Based on this data, the Imlay Water System has the technical capacity for NDEP to recommend funding support.

**Managerial Capacity** Pershing County is governed by a three-member board and meetings are subject to Open Meeting Laws. The last time this project was addressed at a public meeting was June 7, 2023. The system has demonstrated managerial capacity for NDEP to recommend funding.

**Financial Capacity**

Financial Information as of June 30, 2021

Unrestricted Cash: \$13,042

Days cash on hand: 206

Outstanding Debt: None

Operating Income before Depreciation: \$11,820

Current Ratio: 471.3 (no debt liabilities)

Debt Coverage: None

\*Financial information is independently audited by Eide Bailly.

Pershing County has demonstrated financial capacity for NDEP to recommend funding support.

**Asset Management Plan** An Asset Management Plan will be part of the loan conditions for principal forgiveness funding. The plan must be submitted to NDEP before the final draw is issued.

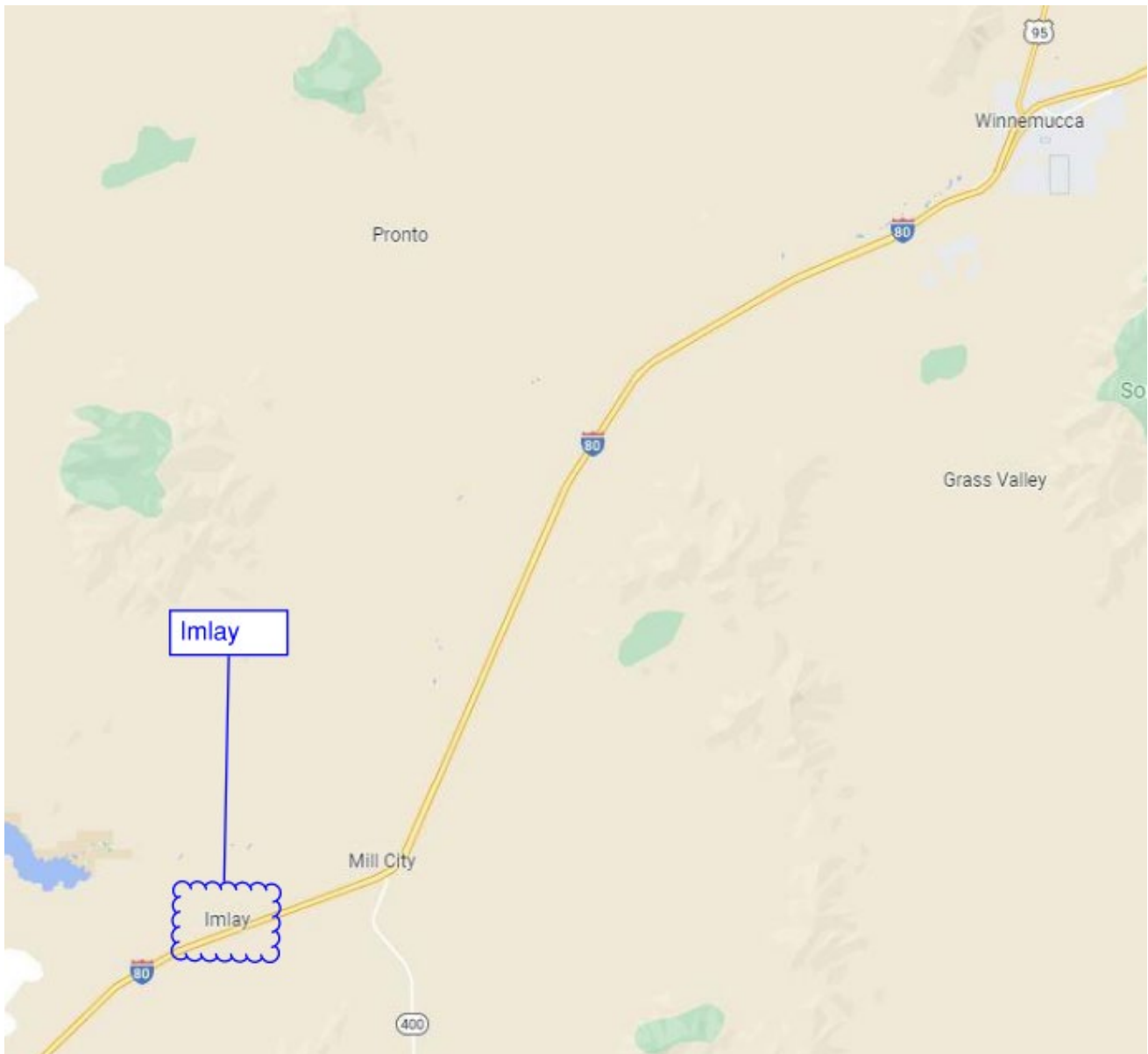
**Capital Replacement Reserve Account** A Capital Replacement Reserve Account will be required as part of the condition for funding. Proof of establishment must be submitted to NDEP before the final draw is issued.

**DWSRF Principal Forgiveness Eligibility Criteria** The project qualifies as disadvantaged for principal forgiveness funding.

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## Maps and Exhibits

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Imlay location map

## DWSRF Authority and Purpose

The 1996 amendments to the Safe Drinking Water Act (SDWA) authorized the DWSRF. The DWSRF is a national program to assist public water systems in financing the cost of drinking water infrastructure projects needed to achieve or maintain compliance with the SDWA and to further the public health objectives of the SDWA. The SDWA authorizes the U.S. Environmental Protection Agency (EPA) to award capitalization grants to states that have established DWSRF programs. The Nevada Legislature passed legislation that authorizes NDEP to administer the DWSRF under the Nevada Revised Statutes (NRS) 445A.200 to 445A.295, inclusive. In addition to the authorizing statute, Nevada has adopted Nevada Administrative Code (NAC) 445A.6751 to 445A.67644, inclusive, which describes the program requirements. Federal regulations for implementing the DWSRF are found in 40 CFR, part 35. Other program directives include the Operating Agreement between NDEP and EPA, the annual Intended Use Plan, EPA guidance and policies, and conditions of each grant award.

One of the requirements of the NRS pertaining to the DWSRF is that NDEP shall not “commit any money in the account for the revolving fund for expenditure ... without obtaining the prior approval of the board for financing water projects” (NRS 445A.265(3)).

## DWSRF Loan Conditions

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The principal forgiveness loan will contain the following conditions:

- Review user rates at least every three (3) years for the life of the loan.
- Maintain an asset management plan that is reviewed by the governing board at least every five (5) years.
- Maintain a capital replacement reserve account that is funded at least annually and re-evaluated every five (5) years.

## RECOMMENDED MOTION FOR THE DWSRF LOAN

I move to approve the resolution titled “D12-0623 Pershing County-Imlay Project Loan Commitment,” which is intended to finance certain projects in an amount not to exceed \$1,504,800.