



NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**



Board for Financing Water Projects

June 28, 2023

9:00 AM

Location:

The Richard H. Bryan Building
Tahoe Hearing Room
901 South Stewart Street, 2nd Floor
Carson City, NV 89701

To Access Virtually

Microsoft TEAMS

Meeting ID: 217 859 288 088; Passcode: aghKHo
Call in from Mobile/Phone (audio only): 1-775-321-6111
Meeting extension: 472317780#



Jennifer Carr
Administrator

Danilo Dragoni
*Deputy
Administrator*

Jeffrey Kinder
*Deputy
Administrator*

Rick Perdomo
*Deputy
Administrator*

**James A.
Settelmeyer**
Director



Nevada Department of
**CONSERVATION &
NATURAL RESOURCES**

Agenda 2:

Introductions



Agenda 3:

Public Comment



Nevada Department of
**CONSERVATION &
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Agenda 4:

*Approval of March 22, 2023
Board meeting minutes*



Nevada Department of
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Agenda 5:

Election of Board Chair and Vice Chair



Nevada Department of
**CONSERVATION &
NATURAL RESOURCES**



Agenda
Item
6

DWSRF funding update

as of June 5, 2023

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





Agenda
Item
6

DWSRF funding update

as of June 5, 2023

| | | |
|--|----------------|-----------------------|
| Current funds to obligate for principal forgiveness loans | | \$6,378,382.12 |
| | | |
| Less projects for board consideration | \$2,184,700 | |
| Remaining funds to obligate for principal forgiveness loans | \$4,193,682.12 | |
| 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 |





Agenda
Item
6

DWSRF updates *as of June 5, 2023*

❖ **DWSRF Project Funding Increases**

- ❖ None since previous meeting

❖ **Assembly Bill 20 (BDR 40-227)**

- Expanding the use of Set-aside Activities in DWSRF (Sections 15, 16, 17 ,18, 19)
- Housekeeping on the DWSRF (Sections 15, 18, 19, 20, 25)





Capital Improvements Grant funding update

as of June 5, 2023

Agenda Item 7

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

Bond Proceeds for Administration

| | |
|--|-----------|
| Authorized by G09-0721 Resolution dated July 29, 2021: | \$10,000 |
| FY23 Budget request: | (\$3,859) |
| Remaining authority from 2021B Bond | \$6,141 |

¹ From all sources including bond proceeds, administration fees, and treasurer's interest

² Includes estimated bond interest earnings for the next 12 months





Capital Improvements Grant

As of: 6/5/2023

Agenda Item 7

| Bond Series | 2019B | 2020B | 2021B |
|---|---|---|-------------------------------------|
| Legislative Authority | AB541 (80 th Session) \$3,000,000 | AB541 (80 th 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 |
| Treasurer's Interest[1] | \$ 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% |





Agenda
Item
7

Capital Improvements Grant

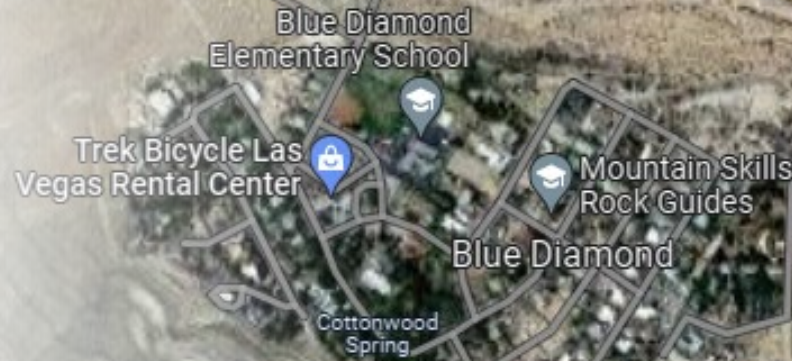
❖ **Assembly Bill 20 (BDR 40-227)**

- Expanding use of the Capital Improvements Grant Program (Section 24)
- Housekeeping on the Capital Improvements Grant Program (Sections 21, 22)
- Housekeeping on the Board for Financing Water Projects (Section 23)



Blue Diamond Water Cooperative– Preliminary Engineering Report (PER) and Environmental Review (ER)

- DWSRF Request: \$73,950
- Blue Diamond Cooperative acquired the water system from Union Pacific Railroad within the last year
- Some facility components were installed up to 100-years ago
- PER/ER will evaluate condition and remaining life of water distribution system and valves
- PER/ER will evaluate system water loss and frequent repair locations.
- Projects to be prioritized to first address water loss and reduce repair costs



Weed Heights Development – Preliminary Engineering Report (PER) and Environmental Review (ER)

- DWSRF Request: \$63,750
- PER/ER will evaluate:
 - Condition and remaining life of water distribution system and valves
 - Condition and spacing of hydrants for system flushing
 - System water loss and prioritize projects to address water loss



Silver Knolls Mutual Water Company – Preliminary Engineering Report

- DWSRF Request: \$100,000
- Evaluate location and cost to drill and develop a redundant well
- Evaluate options and functions for replacement water meters
- Determine if tank recoating will require any structural or OSHA upgrades



Gerlach General Improvement District - Budget Amendment

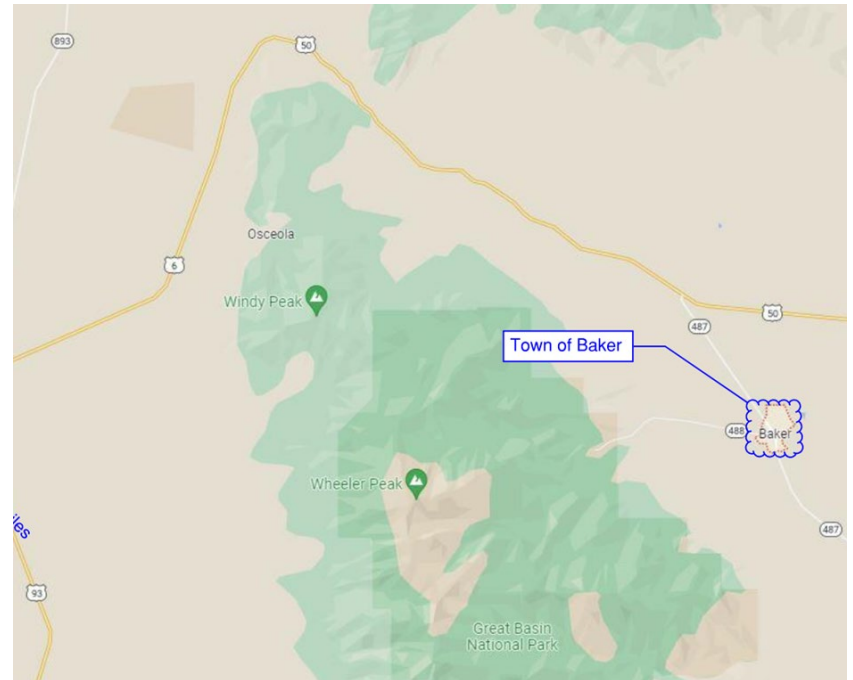
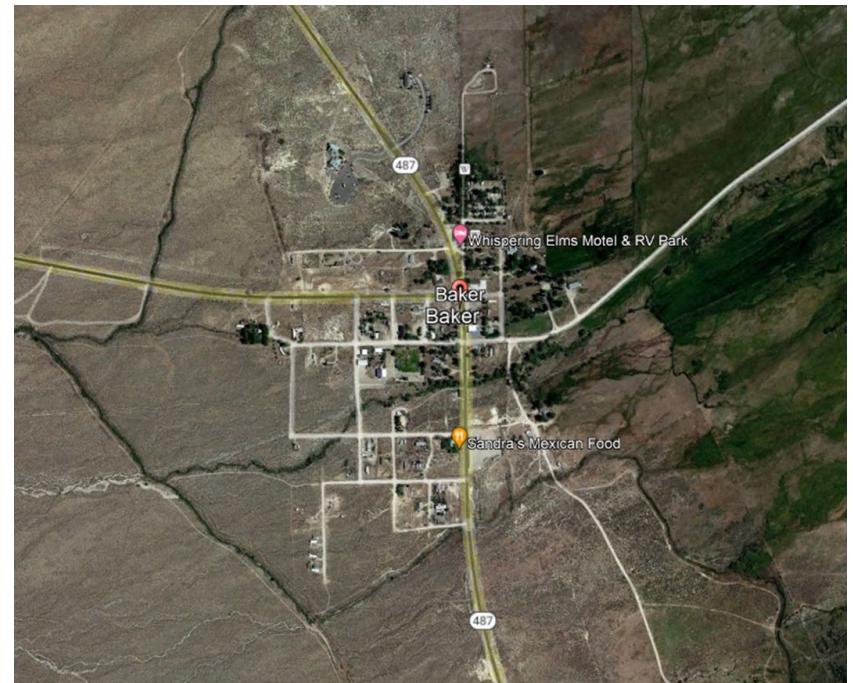
- Project Cost increase from \$128,000 to \$238,000
- Replacement of flow meter at Pressure Reduction Valve
- Pipe configuration change at Railroad Springs and Garden Springs for flow meter function



Baker Water & Sewer General Improvement District – Saddle Tap Replacement Project

Baker is a small community in White Pine County with an approximate population of 150.

This older ranching and mining community, established in 1875, has a water distribution system that is well beyond its service life with components failing and requiring replacement.





Baker Water & Sewer GID Infrastructure

- The Baker Water & Sewer GID water system currently utilizes one active well with chlorination at the well; one 265,000-gallon water storage tank; and a pipe system for water distribution.

Baker Water & Sewer GID Infrastructure



- Chlorine is added to the drinking water at the well site.
- The drinking water infrastructure is aging and experiencing failures. Four saddle-taps failed in a one-month period, causing interruptions in service and the loss of thousands of gallons of water.

Baker Water and Sewer GID - Proposed Project

- The proposed project replaces 90+ saddle-tap service connections.
- Sections of 10" PVC pipe will be replaced as needed where loose saddle taps have damaged the water pipe.
- As needed, sections of service lines and couplings will be replaced with the saddle tap replacement.





*Baker Nevada
Historical Farm
Site*

Baker Water & Sewer GID Environmental Review

- All construction work is located on previously disturbed land. Impacts to environmental resources are not anticipated. If funding for the Baker Water and Sewer GID saddle tap replacement project is approved, 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.

Project Cost Estimates and Funding Sources

| | DWSRF | Capital Improvements Grant | Local | Total |
|---------------------------|--------------|----------------------------------|--------|--------------|
| Planning | \$17,274.00 | \$0.00 | \$0.00 | \$17,274.00 |
| Design and Engineering | \$9,634.00 | \$0.00 | \$0.00 | \$9,634.00 |
| Equipment & Materials | \$88,033.00 | \$0.00 | \$0.00 | \$88,033.00 |
| Construction/Improvements | \$149,490.00 | \$0.00 | \$0.00 | \$149,490.00 |
| Construction Contingency | \$54,149.00 | \$0.00 | \$0.00 | \$54,149.00 |
| Administration | \$13,620.00 | \$0.00 | \$0.00 | \$13,620.00 |
| Totals | \$332,200.00 | \$0.00 | \$0.00 | \$332,200.00 |

Estimated Project Schedule

| | |
|---------------------------------|---|
| Design: | Mid-July to Mid-Aug. 2023 |
| Construction Bid/Award: | Mid- Aug. to Mid-Sep. 2023 |
| Construction Start: | Mid-Sep. 2023 to Early-Dec. 2023 |
| Construction Completion: | January 2024 |

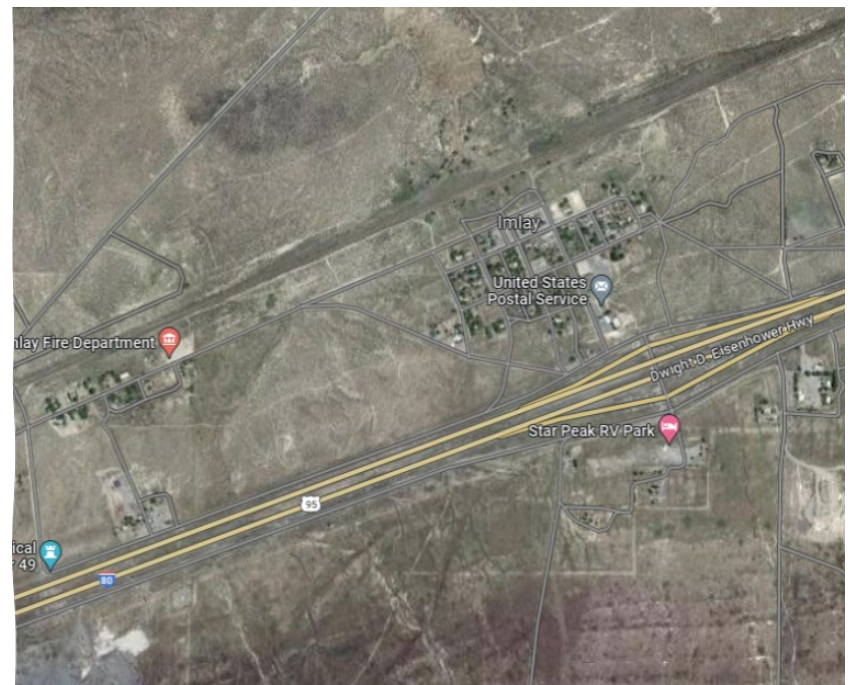
Financial Information

- Water Rates \$43.00/mo average usage of 20,000 gallons
- Financial Support Baker Water and Sewer GID has demonstrated financial capacity for NDEP to recommend funding.
- Asset Management Plans Will be required as a loan condition.
- Capital Replacement Reserve Account Will be required as a loan condition.

Pershing County- Imlay

*—New Water Tank, SCADA,
and Well Pumps*

- Imlay is a small community in Pershing County, about 33 miles west of Winnemucca.
- Imlay has an approximate population of 200.





Pershing County Imlay- Infrastructure

- The Imlay water system currently utilizes two active wells.
- Water from these wells is stored in one 134,000-gallon storage tank.
- The water system uses chlorination for water treatment.

Pershing County- Imlay Proposed Project



- The single 134,000-gallon Water Tank requires recoating as its current condition has the potential to impact water quality.
- This project proposes to recoat the West Tank and complete safety upgrades to the access ladder, cage, and top landing as required by current OSHA standards.

Pershing County-Imlay Proposed Project



- The Imlay water system operator cannot access the pump controls remotely and must travel 45 minutes to switch pumps. Also, the aged pump motors consume great sums of electricity, are unreliable, and cycle often.
- The purchase and installation of new SCADA equipment is proposed to allow remote control of the water system components
- New pump motors are proposed to increase reliability and save on electrical costs.



Pershing County Imlay- Environmental Review

- If funding for the West Tank OSHA upgrade and rehabilitation project is approved, NDEP will issue a Categorical Exclusion for the project for a 15-day public comment period. In accordance with NAC 445A.67583(2)(a) the project is eligible for a Categorical Exclusion as it is (a) The rehabilitation of an existing facility. Ground disturbance activities will occur in previously disturbed areas; impacts to any environmental resources is not anticipated.

Project Cost Estimates and Funding Sources

| | DWSRF | Capital Improvements Grant | Local | Total |
|---------------------------|----------------|----------------------------------|-------------|----------------|
| Planning | \$85,000.00 | \$0.00 | \$24,642.00 | \$109,642.00 |
| Design and Engineering | \$82,440.00 | \$0.00 | \$0.00 | \$82,440.00 |
| Equipment & Materials | \$100,760.00 | \$0.00 | \$0.00 | \$100,760.00 |
| Construction/Improvements | \$961,800.00 | \$0.00 | \$0.00 | \$961,800.00 |
| Construction Contingency | \$274,800.00 | \$0.00 | \$0.00 | \$274,800.00 |
| Totals | \$1,504,800.00 | \$0.00 | \$24,642.00 | \$1,529,442.00 |

Estimated Project Schedule

| | |
|---------------------------------|-----------------------------------|
| Design: | August 2023 – January 2024 |
| Construction Bid/Award: | February 2024 |
| Construction Start: | March 2024 |
| Construction Completion: | October 2024 |

Financial Information

- Water Rates \$27.50/mo average usage of 7,350 gallons
- Financial Support Pershing County has demonstrated financial capacity for NDEP to recommend funding.
- Asset Management Plans Will be required as a loan condition.
- Capital Replacement Reserve Account Will be required as a loan condition.



Agenda
Item
13

Capital Improvements Grant Program

Agenda 13:

Grantee updates



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Agenda
Item
14

Capital Improvements Grant Program

Agenda 14:

Board Discussion



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Future Board Meetings

| Status | Date of Meeting | Loan Applications Due Date |
|-----------------|-------------------------------------|---------------------------------|
| Confirmed | Wednesday, October 18, 2023 | Friday, September 8, 2023 |
| <i>Proposed</i> | <i>Wednesday, February 21, 2024</i> | <i>Friday, January 12, 2024</i> |
| <i>Proposed</i> | <i>Wednesday, May 15, 2024</i> | <i>Friday, April 5, 2024</i> |
| <i>Proposed</i> | <i>Wednesday, August 21, 2024</i> | <i>Friday, July 12, 2024</i> |
| <i>Proposed</i> | <i>Wednesday, November 20, 2024</i> | <i>Friday, October 11, 2024</i> |

