



NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**



Nevada Department of
**CONSERVATION &
NATURAL RESOURCES**



Board for Financing Water Projects

October 18, 2023

9:30 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: 277 390 550 026; Passcode: MLYJJ5

Call in from Mobile/Phone (audio only): 1-775-321-6111

Meeting extension: 581876216#



Jennifer Carr
Administrator

Danilo Dragoni
*Deputy
Administrator*

Jeffrey Kinder
*Deputy
Administrator*

Rick Perdomo
*Deputy
Administrator*

Agenda 2:

Introductions

**James A.
Settelmeyer**
Director



Nevada Department of
**CONSERVATION &
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Agenda 3:

Public Comment



Nevada Department of
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Agenda 4:

*Approval of June 28, 2023
Board meeting minutes*



Nevada Department of
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DWSRF funding update as of September 29, 2023

Cash in fund		\$96,675,177
Less debt service reserves	(6,015,788)	
Add undrawn grant balance	70,610,843.81	
Available for projects		\$161,270,233
Committed funds not yet disbursed	20,423,209	
Add commitments for Board consideration	9,119,250	
Add commitments for project cost increases	0	
Total committed funds after Board Approval	29,542,459	
Add projects in discussion with OFA	30,000,000	
Total committed and potential project loans	59,542,459	
Lowest cash flow balance in three (3) years	\$108,336,625	





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DWSRF funding update as of September 29, 2023

	Year 1 July 1, 2023	Year 2 July 1, 2024	Year 3 July 1, 2025
Cash Balance Forward	\$104,515,005	\$166,869,217	\$195,673,100
Grant Receipts	\$53,483,300	\$21,696,300	\$24,045,700
Bond Receipts	\$6,000,986	\$0	\$5,000,000
Treasurer's Interest	\$3,019,376	\$3,616,271	\$4,268,010
Repayments	\$17,546,387	\$18,384,151	\$16,416,234
Bond Requirements	(\$4,330,395)	(\$5,155,401)	(\$2,423,300)
Loan Disbursements	(\$13,365,442)	(\$9,737,438)	(\$11,542,498)
Cash Balance Forward	\$166,869,217	\$195,673,100	\$231,437,246





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DWSRF funding update as of September 29, 2023

Current funds to obligate for principal forgiveness loans from the Base Program		\$17,456,022
Pending Grants		\$0
Less projects for board consideration	9,119,250	
Remaining funds to obligate for principal forgiveness loans	8,336,772	
Projects in discussion with NDEP	4,084,250	
Total Principal Forgiveness Funds for future commitments (estimated)		\$4,252,522





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DWSRF funding update as of September 29, 2023

Current emerging contaminants funds to obligate		\$8,758,000
Pending Grants		-\$2,890,140
Less projects for board consideration	0	
Remaining funds to obligate for principal forgiveness loans	5,867,860	
Projects in discussion with NDEP	0	
Total Principal Forgiveness Funds for future commitments (estimated)		\$5,867,860

Current Lead Service Line funds to obligate		\$28,650,000
Pending Grants		\$0
Less projects for board consideration	0	
Remaining funds to obligate	28,650,000	
Projects in discussion with NDEP	0	
Total Principal Forgiveness Funds for future commitments (estimated)		\$28,650,000

NOTE: Funding is awarded as 49% principal Forgiveness /51% Loan at 0% interest



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DWSRF updates *as of September 29, 2023*

❖ **DWSRF Project Priority List—Effective June 2023**

❖ #135 McGill Ruth Consolidated Sewer and Water GID

❖ **Project funding increases**

- No project commitments since the last meeting.



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Capital Improvements Grant funding update

As of September 29, 2023

Current Cash ¹	\$8,235,880.70
For Administration	\$21,748.14
For Committed projects	\$7,930,802.08
For consideration	\$0
Un-committed funds ²	\$521,321.49

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

² Includes estimated bond interest earnings for the next 12 months. (Est. A.P.R. 2.0%)



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Capital Improvements Grant

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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	\$ 42,355.51	\$ 166,725.24
Total Proceeds	\$ 1,557,875.11	\$ 1,598,891.81	\$ 8,249,500.49
6 months	\$ (20,132.60) 1.3%	\$ (55,695.10) 3.48%	\$ (81,028.81) 0.98%
12 months	\$ (262,838.19) 16.9%	\$ (55,695.10) 3.48%	\$ (81,028.81) 0.98%
18 months	\$ (311,949.59) 20.0%	\$ (55,695.10) 3.48%	\$ (83,639.27) 1.01%
24 months	\$ (523,027.87) 33.6%	\$ (55,695.10) 3.48%	\$ (83,699.34) 1.01%
30 months	\$ (663,271.12) 42.6%	\$ (709,044.91) 44.35%	\$ (107,788.44) 1.31%
36 months	\$ (954,927.48) 61.3%	\$ (1,598,891.81) 100.00%	0.00%
48 months	\$ (1,557,875.11) 100.00%	\$ - 0.00%	0.00%
Unspent Proceeds	\$ -	\$ - 0.00%	\$ 8,165,861.22 98.99%





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Capital Improvements Grant

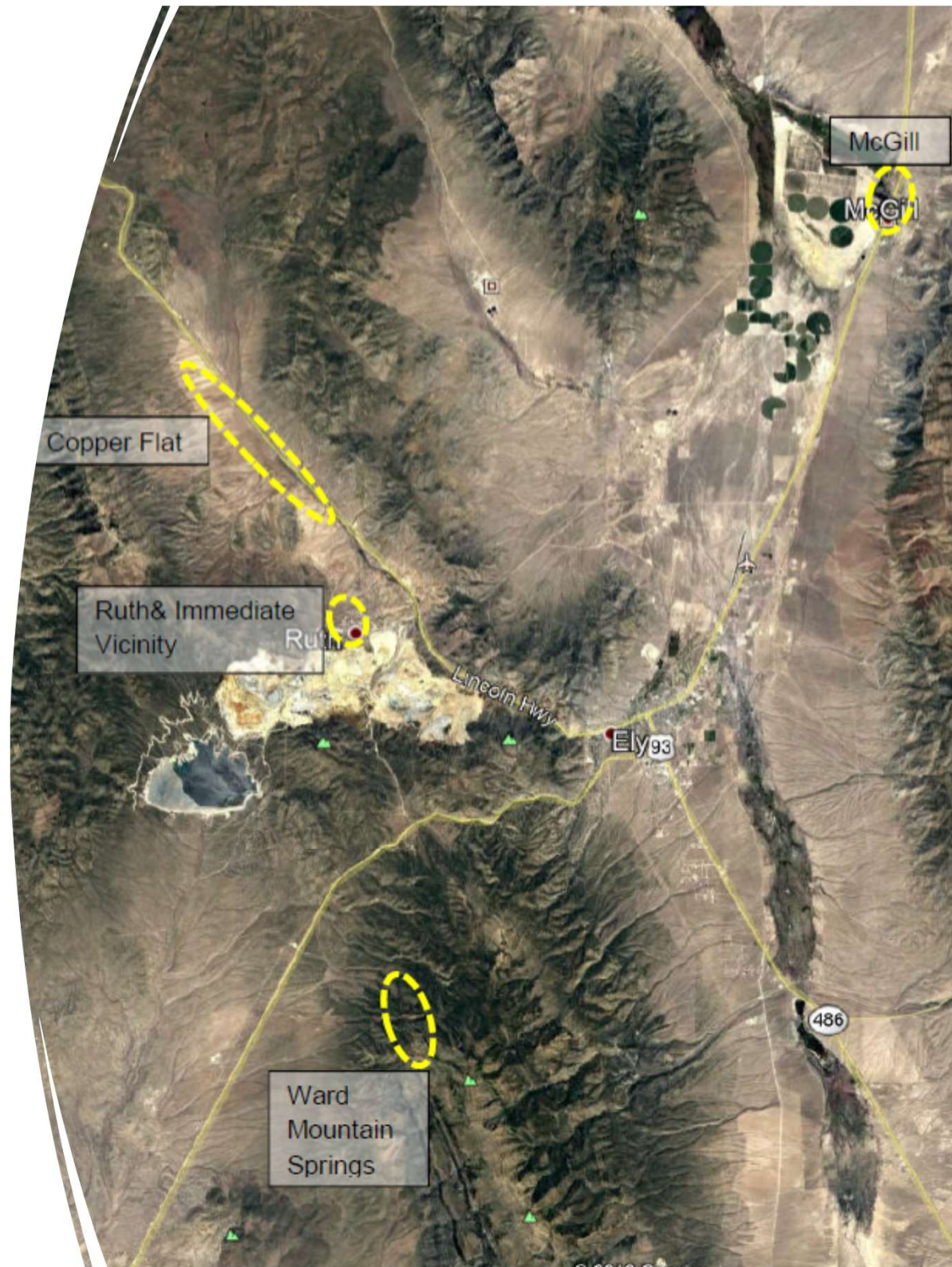
Bond Proceeds for Administration	
G09-0721 Resolution July 29, 2021	\$10,000
FY23 Actual Expenditures	(\$3,049.46)
FY24 Budget Projections	(\$2,599.00)
Remaining authority from 2021B	\$4,351.54

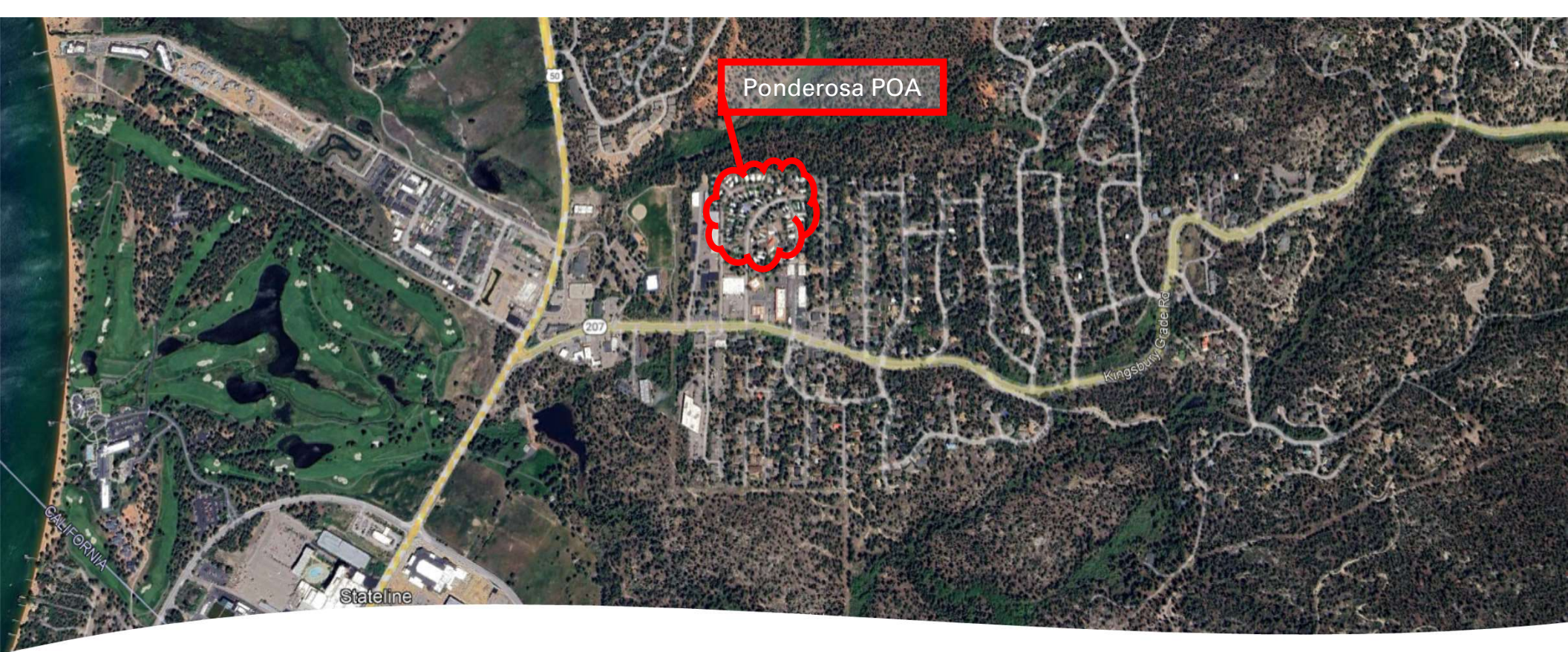


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McGill Ruth Consolidated Sewer and Water General Improvement District - Budget Amendment

- Project Cost increase from \$80,750 to \$100,000 for completion of Preliminary Engineering Report (PER) and Environmental Review (ER)
- The test well site did not have adequate production and therefore was abandoned.
- A potential new well location has been identified on private property.
- Additional funding will be used to drive two 300-foot test wells in the Copper Flat area.
- Easements and agreements with the private property owner will be drafted, if the well production and water quality are adequate.





Kingsbury General Improvement District (KGID) - Consolidation Of Ponderosa Park Owners Association (POA) and System Upgrades

- The Ponderosa POA consists of 80 individual, privately owned parcels.
- The water system is currently served by KGID through a single master meter at the property boundary.
- The existing water infrastructure has frequent failures which results in the loss of pressure and near complete emptying of the entire system with each failure.
- The water system is installed under structures and does not have adequate control valves. The existing system also does not meet current fire flow standards.

Kingsbury General Improvement District (KGID) - Consolidation Of Ponderosa Park Owners Association (POA) and System Upgrades

Proposed Project

The project includes:

- The consolidation of the two water systems
- Replacement of the existing Ponderosa private water infrastructure
- The installation of individual meters for each residential parcel.



Kingsbury General Improvement District (KGID) - Consolidation Of Ponderosa Park Owners Association (POA) and System Upgrades

Environmental review:

- In accordance with NAC 445A.67583(2) the project is eligible for a Categorical Exclusion as it is (a) the rehabilitation of an existing facility and (d) minor upgrading or expansion of the existing capacity of: (1) the distribution system of a public water system.
- Ground disturbance activities will occur in previously disturbed areas; impacts to environmental resources are not anticipated.

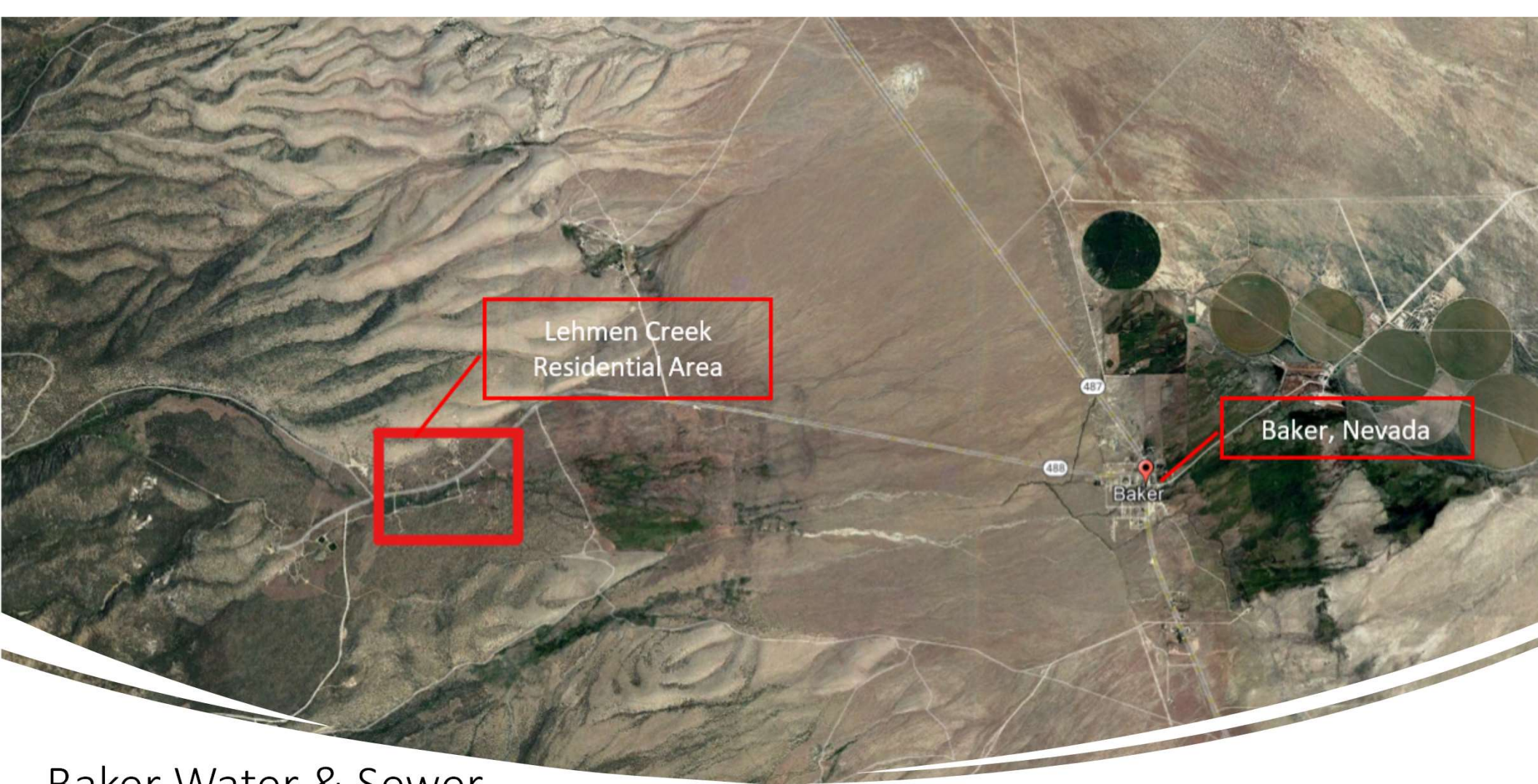


Project Cost Estimates and Funding Sources

	DWSRF	Capital Improvement Grant	Local	Total
Design, inspection, and Construction Management	\$315,815	\$0	\$0	\$315,815
Construction Improvements	\$1,973,850	\$0	\$0	\$1,973,850
Construction Contingency	\$210,335	\$0	\$0	\$210,335
Total	\$2,500,000	\$0	\$0	\$2,500,000

KGID – Ponderosa POA Consolidation Estimated Project Schedule

Design:	October 2023 - February 2024
Construction Bid/Award:	February 2024
Construction Start:	May 2024
Construction Completion:	October 2024



Baker Water & Sewer General Improvement District

Lehman Creek Residential Area Infrastructure Project

- The Lehman Creek Residential Area (LCRA) includes 36 parcels, 18 of which have been developed with residences.
- The LCRA needs a public drinking water system to provide a reliable and safe source of drinking water.



Baker Water & Sewer GID – Lehman Creek Residential Area Project

- A handful of existing homes rely on private individual wells. However, many of the wells are unable to provide sufficient water to meet daily demands.
- Some users are sourcing water directly from Lehman Creek in the absence of sufficient water infrastructure.
- There is a significant health risk to individuals consuming raw surface water. Additionally, this use of surface water has the potential to create impacts to the stream habitat.

Baker Water & Sewer GID – Lehman Creek Residential Area

Proposed Project

- The development of two drinking water wells
- Transmission pipelines
- Water storage tank
- Distribution pipelines and associated appurtenances





Baker Water and Sewer GID - LCRA Project

Environmental review:

- Based on the borrower's PER and Environmental Assessment (EA), impacts to threatened, endangered, or candidate species or cultural resources are not anticipated.
- No impacts to wetlands are anticipated from groundwater pumping associated with the completed project, and significant adverse effects to wetlands are not anticipated by the construction phases of the project.
- Construction Best Management Practices will be developed and implemented.
- NDEP anticipates issuing a Finding of No Significant Impact (FONSI) for the project for a 30-day public comment period. The project is not eligible for a Categorical Exclusion.



Project Cost Estimates and Funding Sources

	DWSRF	Local	ARPA	Total
Design and Engineering	\$192,840	\$0	\$128,560	\$321,400
Construction Improvements	\$1,928,402	\$0	\$1,285,601	\$3,214,003
Construction Contingency	\$378,758	\$0	\$248,496	\$627,254
Total	\$2,500,000	\$0	\$1,662,657	\$4,162,657

LCRA - Estimated Project Schedule

Design: January 2024- April 2024

Construction Bid/Award: April 2024

Construction Start: May 2024

Construction Completion: December 2024



Gardnerville Ranchos General Improvement District (GID)

- The Gardnerville Ranchos GID water system serves a population of approximately 11,300.
- The system has nine wells equipped with chlorinators; four of the wells are currently inactive.
- The system also includes a distribution system and two storage tanks sized at 1,500,000 gallons and 3,000,000 gallons.

Gardnerville Ranchos GID – Booster Pump Station Upgrades Project

Proposed Project

- In the last Sanitary Survey, a significant deficiency was noted with the Booster Station pumping and its below-grade construction.
- This project includes replacing the existing Long Valley Booster Pump Station with larger capacity pumps and the addition of a backup power generator.
- The station will be brought aboveground and the belowground pit will be outfitted with a pressure / flow control valve to allow for proper operation of the distribution system when the High Side tank is offline.
- A new sanitary survey will be completed to bring the pump station into compliance.



Gardnerville Ranchos GID

Booster Pump Station Upgrades Project



Environmental review:

- In accordance with NAC 445A.67583(2) the project is eligible for a Categorical Exclusion as it is (d) Minor upgrading or expansion of the existing capacity of: (1) The distribution system of a public water system.
- Ground disturbance activities will occur in previously disturbed areas; impacts to environmental resources are not anticipated.

Project Cost Estimates and Funding Sources

	DWSRF	Capital Improvement Grant	Local	Total
Planning	\$0	\$0	\$12,500	\$12,500
Design and Engineering	\$0	\$0	\$52,200	\$52,200
Construction Improvements	\$1,963,539	\$0	\$0	\$1,963,539.00
Construction Contingency	\$121,261	\$0	\$35,822	\$157,083
Administration	\$0	\$0	\$12,000	\$12,000
Total	\$2,084,000	\$0	\$112,522	\$2,197,322

GRGID Booster Pump Station Upgrades - Estimated Project Schedule

Design: Completed 2022

Construction Bid/Award: October 2024*

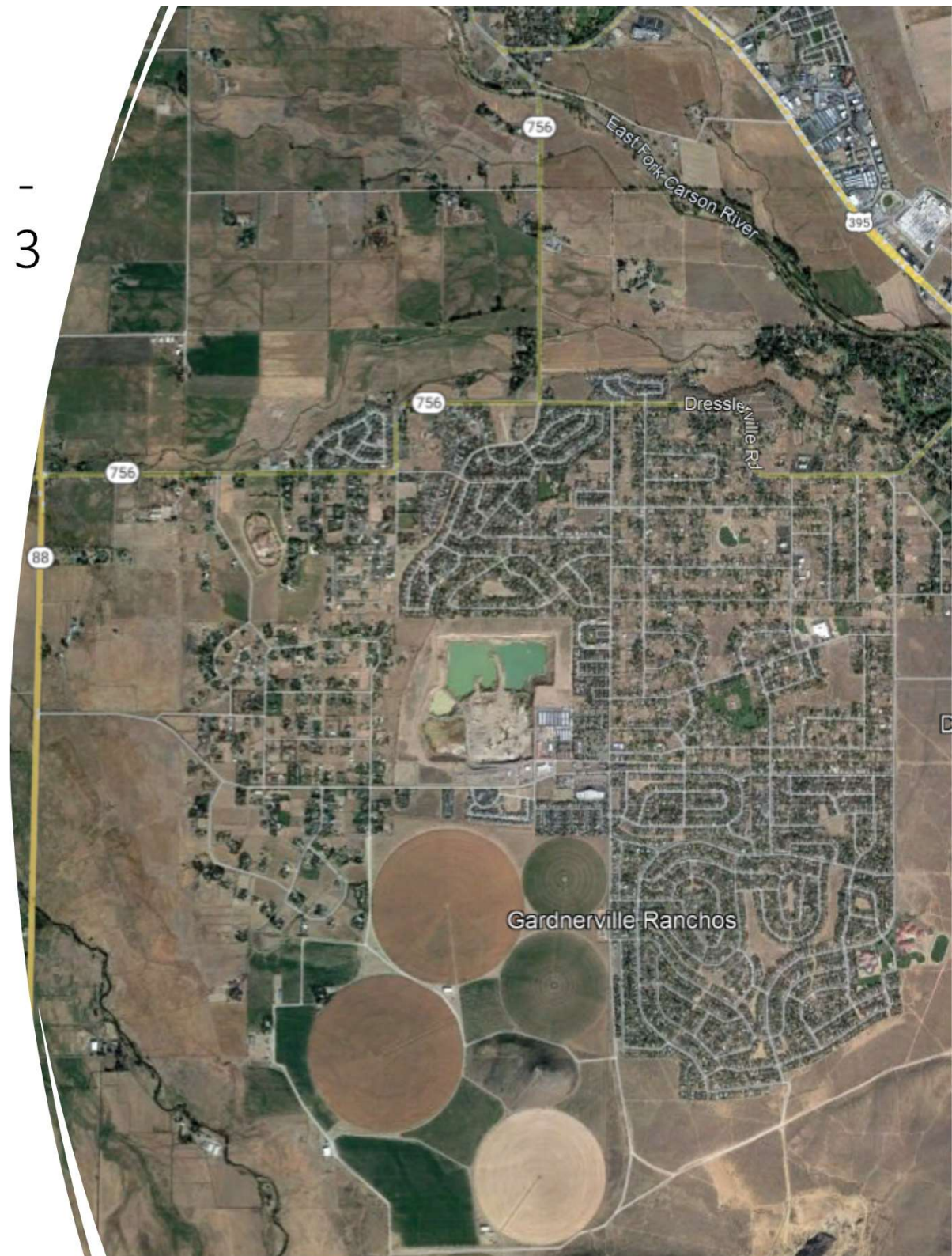
*Notice to Proceed will not be issued until after loan closing.

Construction Start: February 2024

Construction Completion: May 2025

Gardnerville Ranchos GID - Design Services for Phase 3 Pipeline Replacement Project

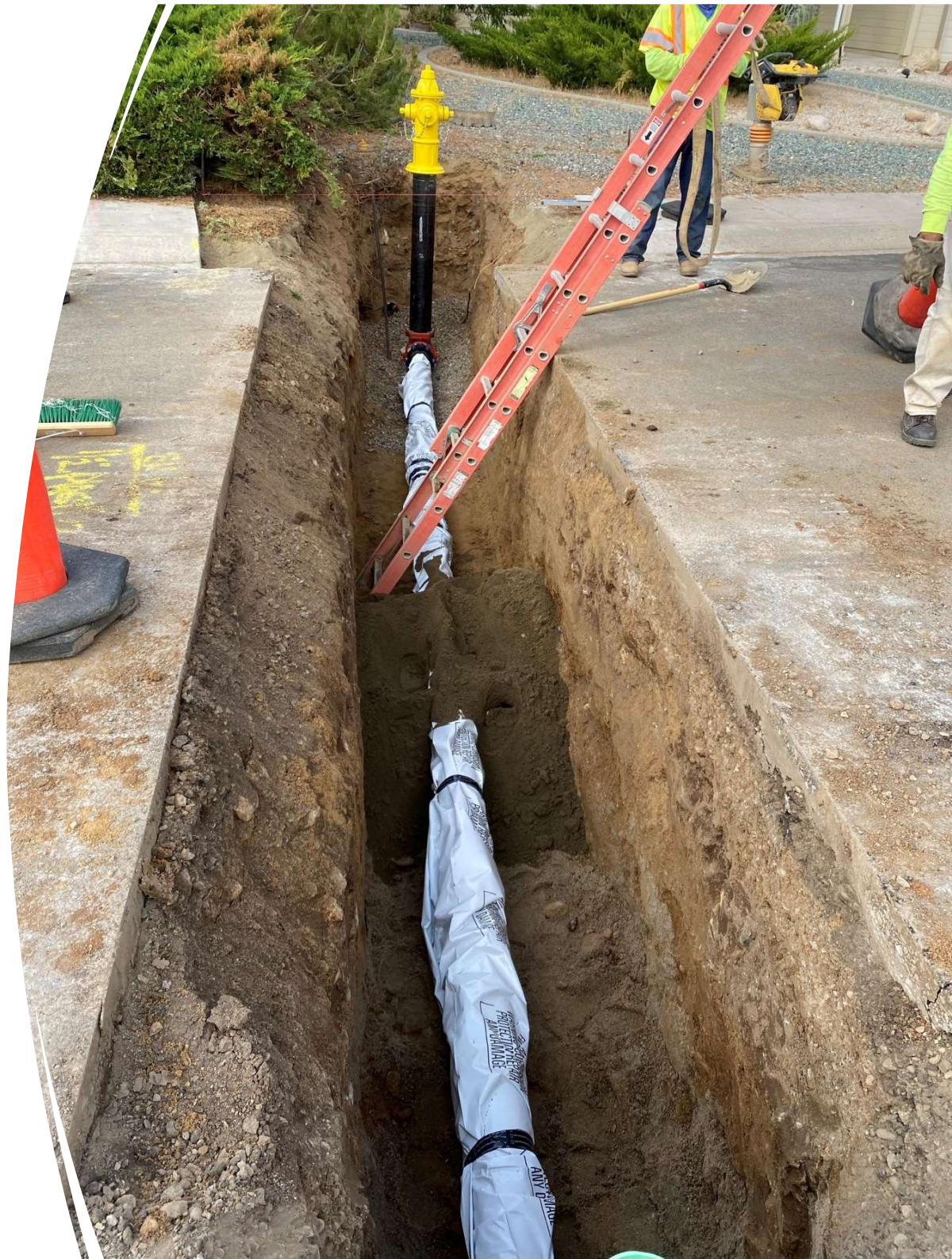
- The existing pipe in the project area is Schedule 40 PVC that is 20 to 40 years old, brittle, and prone to failure.
- The existing pipe is also located outside of the right-of-way in several areas, which makes timely and efficient repairs difficult.



Gardnerville Ranchos GID – Design Services for Phase 3 Pipeline Replacement Project

Proposed Project

- This project includes engineering design services to prepare final improvement plans and specifications for the replacement of approximately 34,000 linear feet of the water system.



Gardnerville Ranchos GID – Design Services for Phase 3 Pipeline Replacement Project

- Once this design project has been completed, the future project would include the total replacement in the project area with modern, NSF-certified C900 pressure class pipe to be located within the existing ROWs.
- Environmental review will be conducted in the future phase after the design is complete.



Project Cost Estimates and Funding Sources

	DWSRF	Capital Improvement Grant	Local	Total
Design and Engineering	\$415,200	\$0	\$0	\$415,200
Total	\$415,200	\$0	\$0	\$415,200

GRGID Pipeline Replacement Design Services - Estimated Project Schedule

Design:

October 2023 - February 2024



Silver Springs Mutual Water Company

- The Silver Springs Mutual Water Company water system serves a population of approximately 3,070.
- The existing water supply system consists of two active production wells (Idaho Street Well and Deodar Street Well). A third well, the Lake Street Well, is inactive but a replacement well is currently being developed.
- Water storage consists of three, one-million-gallon tanks: the West Storage Tank, Old North Storage Tank, and New North Storage Tank.

Silver Springs Mutual Water Company – Redundant Water Main Project

- The water distribution system has only one 12-inch main line connecting the north and south portions of the water system; this line is traversed by Highway 50.
- Most of the system's customers and usage are located south of Highway 50; however, two of the three water tanks are located north of Highway 50.
- If the existing water main were to fail, be taken offline for repair, or otherwise experience a lapse in service, 90% of the Silver Springs MWC customers would be isolated from most of the water storage infrastructure.



Silver Springs Mutual Water Company – Redundant Water Main Project

Proposed Project

The proposed project is to construct a second main line crossing to reduce operational risk for the distribution system.



Silver Springs Mutual Water Company – Redundant Water Main Project

Environmental review:

- In accordance with NAC 445A.67583(2) the project is eligible for a Categorical Exclusion as it is (e) any other water project for which there is sufficient evidence that a significant effect on the quality of the environment is unlikely.
- Based on the borrower's Draft EA, the project includes the installation of approximately 1,550 linear feet of 12-inch water line piping within existing ROWs and disturbed land owned by Silver Springs MWC.
- The proposed project would have no significant adverse effects and no mitigation would be required beyond avoidance, best management practices, and compliance with permit requirements.



Project Cost Estimates and Funding Sources

	DWSRF	Capital Improvement Grant	Local	Total
Design, inspection, and Construction Management	\$245,000	\$0	\$0	\$245,000
Construction Improvements	\$940,000	\$0	\$0	\$940,000
Construction Contingency	\$315,000	\$0	\$0	\$315,000
Total	\$1,500,000	\$0	\$0	\$1,500,000

Silver Springs Redundant Water Main Project Estimated Project Schedule

Design:	April 2024
Construction Bid/Award:	May 2024
Construction Start:	June 2024
Construction Completion:	October 2024

Silver Springs Mutual Water Company – Backup Power Supply Project

- The Idaho Street well site is currently without a backup power supply.
- Without a backup power supply for the Idaho Street well site, the Silver Springs MWC system is at risk of being unusable during rolling blackouts that occur during high wind / high fire danger events.
- This potential service lapse also creates fire safety risks as the Central Lyon Fire District utilizes Silver Springs MWC fire hydrants to fight fires in the greater Silver Springs area.



Silver Springs Mutual Water Company – Backup Power Supply Project

Proposed Project

A stationary, diesel-fueled standby power generator will be purchased for the Idaho Street well site and be used as needed in the event of a loss of power.





Silver Springs Mutual Water Company – Backup Power Supply Project

Environmental review:

- In accordance with NAC 445A.67583(2) the project is eligible for a Categorical Exclusion as it is (d) Minor upgrading or expansion of the existing capacity of: (1) The distribution system of a public water system.
- The project includes the acquisition of a stationary, diesel-fueled standby power generator and the pouring of an associated concrete slab.
- Ground disturbance activities will occur in previously disturbed areas; impacts to environmental resources are not anticipated.

Project Cost Estimates and Funding Sources

	DWSRF	Capital Improvement Grant	Local	Total
Equipment & Materials	\$77,236.39	\$0	\$0	\$77,236.39
Construction Improvements	\$19,309.10	\$0	\$0	\$19,309.10
Construction Contingency	\$3,454	\$0	\$0	\$3,454.51
Total	\$100,000	\$0	\$0	\$100,000

Silver Springs Backup Power Supply Project Estimated Project Schedule

Design: Completed 2022

Construction Bid/Award: January 2024

Construction Start: August 2024

Construction Completion: October 2024



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, January 24, 2024</i>	<i>Friday, December 8, 2023</i>
<i>Proposed</i>	<i>Wednesday, May 15, 2024</i>	<i>Friday, March 29, 2024</i>
<i>Proposed</i>	<i>Wednesday, August 21, 2024</i>	<i>Friday, July 5, 2024</i>
<i>Proposed</i>	<i>Wednesday, November 13, 2024</i>	<i>Friday, September 2, 2024</i>

