



NEVADA DIVISION OF  
**ENVIRONMENTAL  
PROTECTION**



Nevada Department of  
**CONSERVATION &  
NATURAL RESOURCES**



# *Board for Financing Water Projects*

**April 28, 2021**

9:00 AM

**To be held Virtually**

Lifesize: <https://call.lifesizecloud.com/4155018>

Skype for Business: <https://skype.lifesizecloud.com/4155018>

Call in from Mobile/Phone (audio only): United States: +1 (877)  
422-8614

Meeting extension: 4155018#

**This meeting will *not* be broadcast over the Internet.**

# *Drinking Water funding update*

*as of April 5, 2021*

	<b>Cash in fund</b>	<b>\$68,259,036</b>
<b>Committed funds not yet disbursed</b>	<b>36,897,077</b>	
<b>Add commitments for Board consideration</b>	<b>91,700</b>	
<b>Total committed funds after Board Approval</b>	<b>36,988,777</b>	
<b>Lowest cash flow balance in three (3) years</b>		<b>\$58,518,334</b>

# *Drinking Water funding update*

*as of April 5, 2021*

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>
<b>Cash balance forward</b>	\$64,478,120	\$62,248,552	\$85,698,291
<b>Receipts from grants awarded</b>	10,236,220	10,236,220	not forecasted
<b>Receipts from bonds issued</b>	0	5,200,000	not forecasted
<b>Receipts from treasurer's interest<sup>2</sup></b>	644,376	652,379	880,517
<b>Receipts from loan principal</b>	13,599,224	13,994,821	14,518,883
<b>Receipts from loan interest</b>	4,446,241	4,122,774	3,762,963
<b>Payments for debt service on bonds</b>	(2,872,600)	(2,788,825)	(2,958,938)
<b>Payments for loan recipients<sup>3</sup></b>	(28,283,029)	(7,967,630)	(250,000)
<b>Cash balance forward</b>	<b>\$62,248,552</b>	<b>\$85,698,291</b>	<b>\$101,651,716</b>

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

<sup>2</sup> Estimated at 1% A.P.R. on undisbursed cash in the fund. Subject to change.

<sup>3</sup> Values contain planned loans not yet presented to the Board for Financing Water Projects for funding.

# *Drinking Water funding update*

## *as of April 5, 2021*

<b>Current funds to obligate for principal forgiveness loans</b>		<b>\$612,060</b>
Less projects for board consideration	91,700	
<b>Current funds to obligate for principal forgiveness loans</b>	<b>520,360</b>	
Pending Grants (estimated allotment)	2,747,780	
<b>Total Principal Forgiveness Funds by October 2021 (estimated)</b>		<b>\$3,268,140</b>

# Capital Improvements Grant funding update

as of April 8, 2021

<b>Current Cash</b>	<b>\$2,756,833.98</b>
Reserved for Administration	\$15,319.57
Committed funds not yet disbursed	\$2,308,356.60
Projects for Consideration:	\$452,230
Un-committed funds:	\$0

<b>Committed funds not yet disbursed:</b>			
<b>GP2101</b>	Lovelock Meadows Water District	Storage Tank 2 rehabilitation	\$487,500.00
<b>GP2102</b>	Churchill County	New well for redundant source requirements	\$627,830.60
	Alamo Sewer and Water GID	Arsenic Treatment	\$693,026.00
	Las Vegas Valley Water District (Big Bend)	Treatment plant improvements; storage rehabilitation; distribution; electrical controls	\$500,000.00
<b>Total</b>			<b>\$2,308,356.60</b>
<b>Projects for consideration</b>			
<b>#93</b>	Las Vegas Valley Water District (Blue Diamond)	Pipe replacement, storage, and backup well.	\$452,230.00
<b>Total</b>			<b>\$452,230.00</b>
<b>Letter of Intent Submitted</b>			
	Pershing County Water Conservation District	Rodgers Flume Replacement	\$2,160,000

# Capital Improvements Grant funding update

as of April 8, 2021

<b>NRS 349.986(1): 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.</b>	<b>\$125,000,000</b>
<b>Outstanding general obligation bonds as of April 1, 2021</b>	<b>(\$31,998,000)</b>
<b>Available for issuance</b>	<b>\$93,002,000</b>

<b>AB 541</b>	<b>2019 Legislative Session, Section 17</b>	<b>\$3,000,000</b>
	Less 2019B Series issued December 10, 2019	\$1,500,000
	Less 2020B Series issued November 10, 2020	\$1,500,000
	<b>Remaining Authority</b>	<b>\$0</b>

# Capital Improvements Grant funding update

as of April 8, 2021

Pending	2021 Legislative Session*		\$8,000,000
	Las Vegas Valley Water District (Blue Diamond)	25%	\$2,375,000
	McGill Ruth CWSGID	52%	\$520,000
	Churchill County	56%	\$186,662
	Nye County (Gabbs)	50%	\$829,043
	Beatty Water & Sanitation District	35%	\$689,500
	Golconda GID	61%	\$793,000
	Las Vegas Valley Water District (Big Bend Water District)	71%	\$2,690,900
*Subject to change based upon information at time of grant commitment.			

# Increased funding for Board-approved loans

## Roark Estates

- \$213,000 approved on April 17, 2019
- Backup storage tank has significant deterioration and needs replacing.
- After several attempts by the engineering firm to advertise for bids, only one viable bid was received, and it came in higher than anticipated.
- Bid is currently being held by contractor pending additional funding approval.
- Additional \$91,700 requested
  - Total Loan commitment: \$304,700 principal forgiveness funding





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*Administrator*

**Jennifer Carr**  
*Deputy  
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**Jeffrey Kinder**  
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*Project #1  
Blue Diamond Public Water System  
Las Vegas Water District, Clark  
County  
System rehabilitation*



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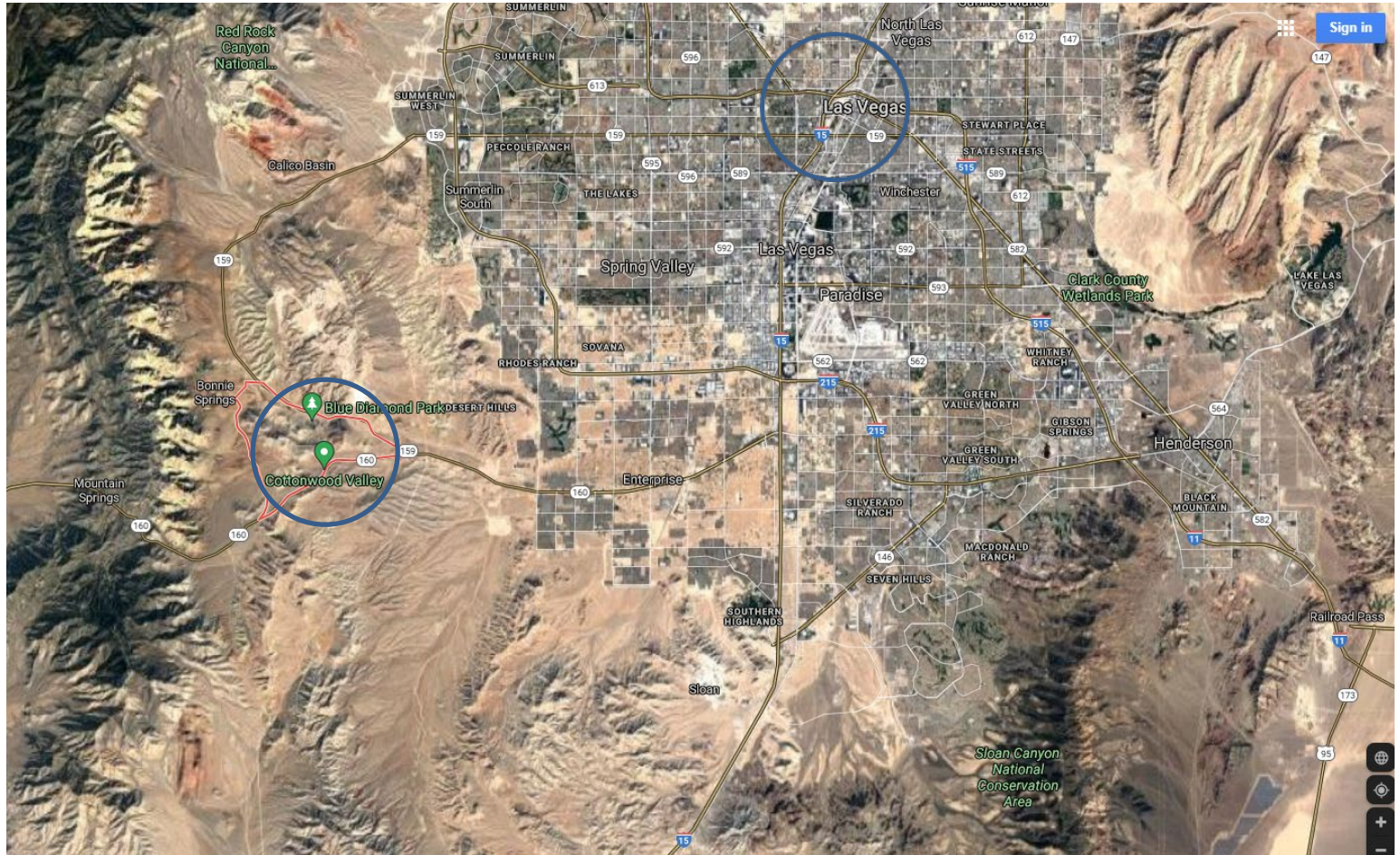


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Blue Diamond PWS – SW of Vegas



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Blue Diamond PWS – general service area

# Blue Diamond PWS

## Las Vegas Valley Water District

Community PWS owned and operated by LVVWD

- 149 total connections (560 residents)

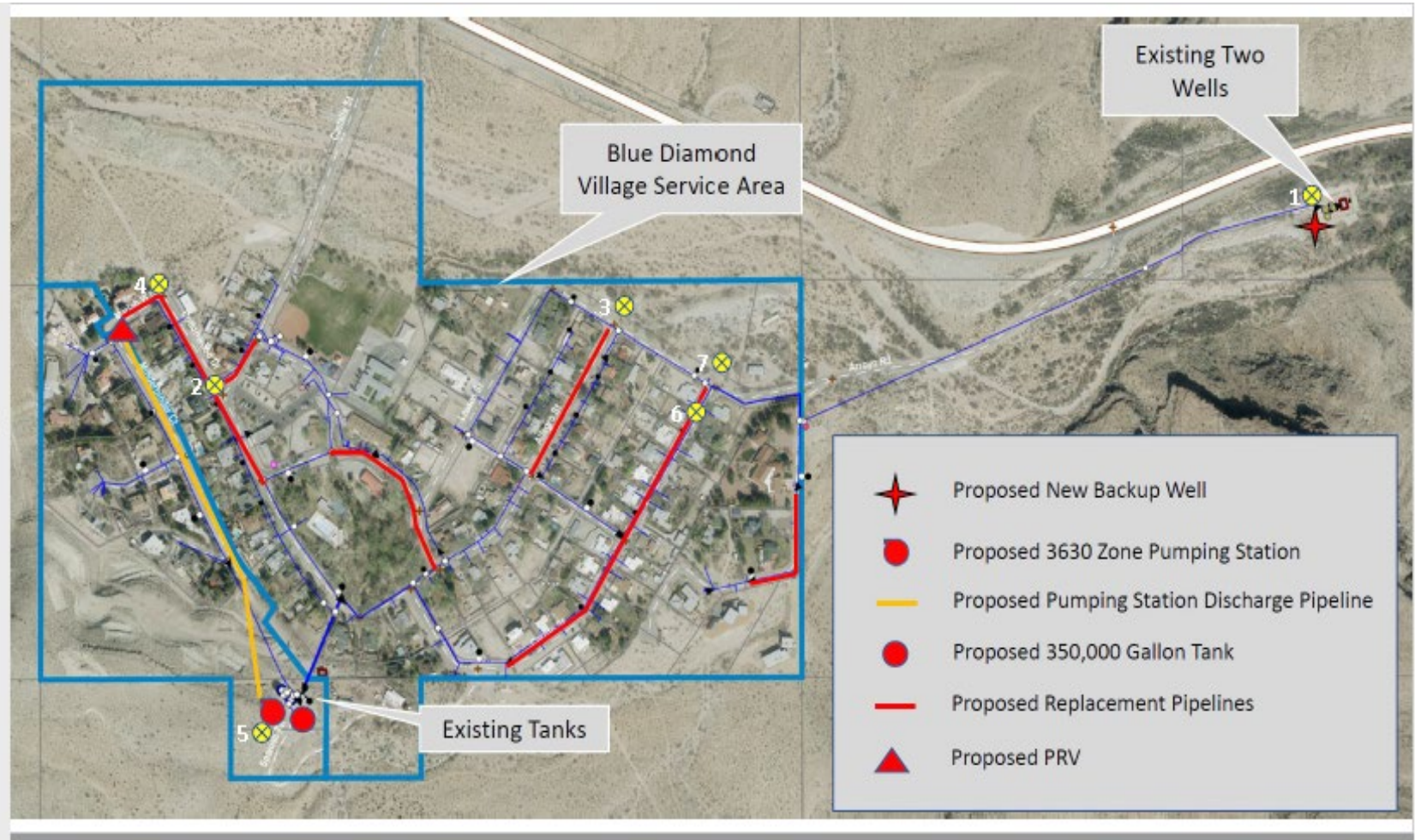


Priority list Rank #93

- 5 wells, but only Certain Teed Gypsum well is active.
- Declining water levels and corroding pipelines. Wells are from 1950s
- 2 storage tanks of 125k gallons each
- No outstanding SDWA compliance issues
- Sanitary Survey by BSDW in October, 2018
- Water Conservation Plan – 2014
- On December 1, 2020, the District Board of Directors approved a temporary moratorium on approving new or expanded services within the Blue Diamond Water System.
- Not part of SNWA – LVVWD has 150 acre-ft per year of water rights committed to Blue Diamond through, vested through Certain Teed.



- Replaces the existing corroded and leaking water pipes
- Increased storage capacity & will now meet emergency storage regulatory requirements
- Installs fire pumps to the existing pumping station & replaces discharge pipeline to meet fire-flow requirements
- construct and equip a backup well for water supply reliability
- Motivated Management
- Has been closely working with US Army Corps of Engineers
- Cap Grant only





Site 1. Facing East at well site



Site 1. Facing South at well site



Site 5. Closeup of existing tank



Site 5. Existing tank and partial view of proposed new tank site

# Blue Diamond PWS

(NV0000010)

Construction  
Project  
(USACE/Cap  
Grant/Local  
Funding)



Preliminary determination for ER & NHPA needs for water project:

- Cap Grant Project
- To assure sustainable supply of safe drinking water
- To address impending acute water shortage issue; approximately 90% is committed as of 2014



Feasibility:

- Engineer's estimated cost \$10,058,000.00 ;
- No outstanding compliance issues;
- Experienced management; PWS would be working closely with USACE
- No new technical capacity required;
- Ready to proceed





Las Vegas  
Valley Water  
District  
(Blue  
Diamond)  
  
System  
Rehabilitation

**\$ 452,230 Capital Improvement Grant**

**\$7,543,500 Other (Army Corp of Engineers)**

**\$2,062,270 Local Funding match**

**\$10,058,000 Project cost**

LVVWD - Blue Diamond is eligible for 35% of eligible project costs, based on the Board's Scale to Determine Grant Amount policy (rev. Jan. 2021).

- LVVWD – Blue Diamond Cap Grant funding is contingent upon receiving funding from Army Corp of Engineers
- LVVWD intends to apply for additional Cap Grant funding if it becomes available
- LVVWD will loan the funds to Blue Diamond funds with appropriate rate increases if the additional Cap Grant funding does not become available.
- Financial information provided demonstrates financial capacity for the system
- System is generating enough revenue to cover operations and maintenance.

# DWSRF Water System Survey

	Total	Opens	Bounces	Did not Open	Unsubscribed
Drinking Water Email distribution Feb 19, 2021 @ 9:15 am PT	866	257	121	488	3
Reminder March 2, 2021 2:10pm PT		226	124	513	0
	866	483	245	1001	3
Responses	68				
Response rate	7.85%				
Average time to complete survey	8 min, 12 sec				

Eligibility		
44	64.8%	Qualifying entities
24	35.3%	Entities that do not qualify

System Size		
51	75.0%	Less than 6,000 residents
6	8.8%	6,001 to 10,000 residents
11	16.2%	More than 10,000 residents

# DWSRF Water System Survey

Project needs		
46	67.6%	Less than \$1,000,000
15	22.1%	\$1,000,000 to \$10,000,000
7	10.3%	More than \$10,000,000

How systems determine need		
47	30%	Failed or failing infrastructure
42	27%	Proactive capital improvement planning
37	24%	Compliance mandate
23	15%	Recommendation from an engineer

# DWSRF Water System Survey

## DWSRF program Successes

- \*Principal forgiveness eligibilities
- \*Loan terms and repayment
- \*Interest rates
- \*staff support
- \*draw processing

## DWSRF program Challenges

- \*Historic Preservation (SHPO) Consultations
- \*Davis-Bacon Wage Requirements
- \*American Iron and Steel Requirements
- \*Application process
- \*Understanding federal and state requirements