



AGENDA AND NOTICE OF BUDGET WORKSHOPS
JOINT MEETING OF THE
LAS VEGAS VALLEY WATER DISTRICT BOARD OF DIRECTORS
COYOTE SPRINGS WATER RESOURCES DISTRICT BOARD OF TRUSTEES
AND BIG BEND WATER DISTRICT BOARD OF TRUSTEES

SPECIAL MEETING
1:00 P.M. – APRIL 25, 2022

COLORADO RIVER CONFERENCE ROOMS
SOUTHERN NEVADA WATER AUTHORITY
100 CITY PARKWAY, LAS VEGAS, NEVADA
(702) 258-3100

Board of Directors

Marilyn Kirkpatrick, President
Jim Gibson, Vice President
Justin Jones
William McCurdy II
Ross Miller
Michael Naft
Tick Segerblom

John J. Entsminger,
General Manager

Date Posted: April 18, 2022

The District makes reasonable efforts to assist and accommodate persons with physical disabilities who desire to attend the meeting. For assistance, call the Agenda Coordinator (702) 258-3277 at least 24 hours prior to the meeting.

THIS MEETING HAS BEEN PROPERLY NOTICED AND POSTED IN THE FOLLOWING LOCATIONS:

LAS VEGAS VALLEY WATER DISTRICT
1001 SOUTH VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA

SOUTHERN NEVADA WATER AUTHORITY
100 CITY PARKWAY, SUITE 700
LAS VEGAS, NEVADA

CLARK COUNTY GOVERNMENT CENTER
500 SOUTH GRAND CENTRAL PARKWAY
LAS VEGAS, NEVADA

REGIONAL JUSTICE CENTER
200 LEWIS AVENUE
LAS VEGAS, NEVADA

All items listed on this agenda are for action by the Board, unless otherwise indicated. Items may be taken out of order. The Board may combine two or more agenda items for consideration, and/or may remove an item from the agenda or delay discussions relating to an item on the agenda at any time.

CALL TO ORDER

COMMENTS BY THE GENERAL PUBLIC

NO ACTION MAY BE TAKEN: At this time, the Board will hear general comments from the public on items listed on the agenda. If you wish to speak to the Board about items within its jurisdiction, but not appearing on this agenda, you must wait until the "Comments by the General Public" period listed at the end of this agenda. Please limit your comments to three minutes or less. Public comment can also be provided in advance of the meeting and submitted to publiccomment@lvvwd.com.

ITEM NO.

1. *For Possible Action:* Approve agenda with the inclusion of tabled and/or reconsidered items, emergency items and/or deletion of items.

Las Vegas Valley Water District

2. *For Information Only:* Receive an overview and discuss the Fiscal Year 2022/2023 Tentative Budget.

Coyote Springs Water Resources District (*Las Vegas Valley Water District Board of Directors sitting as the Coyote Springs Water Resources District Board of Trustees*)

3. *For Information Only:* Receive an overview and discuss the Fiscal Year 2022/2023 Tentative Budget.

Big Bend Water District (*Las Vegas Valley Water District Board of Directors sitting as the Big Bend Water District Board of Trustees*)

4. *For Information Only:* Receive an overview and discuss the Fiscal Year 2022/2023 Tentative Budget.

COMMENTS BY THE GENERAL PUBLIC

NO ACTION MAY BE TAKEN: At this time, the Board will hear general comments from the public on matters under the jurisdiction of these Districts. Please limit your comments to three minutes or less.



**LAS VEGAS VALLEY
WATER DISTRICT™**

Fiscal Year 2022-23 **BUDGET WORKSHOP**



2021-22 HIGHLIGHTS

Since July, 2,743 new customer accounts added

Updated LVVWD Service Rules with conservation-related initiatives including restrictions on new golf courses, turf and water theft

Began conversion to Advanced Metering Infrastructure (AMI) software (2023 target completion)

Temporarily returned to a work-from-home status in late December due to Covid-19 spikes, but resumed hybrid operations in February

Conducted nearly 16,000 water waste investigations and assessed more than 6,700 notices (2021)

Implemented a conservation-based rate adjustment for Blue Diamond to build a reserve for a fully-funded improvement project

2021 refunding activities will save \$11.1 million for a total cumulative savings of \$112.6 million since 2015



A wide-angle photograph of a large industrial facility, likely a refinery or chemical plant. The scene is filled with large white storage tanks, complex piping systems, and various industrial equipment. The facility has a high ceiling with yellow overhead cranes. The overall atmosphere is industrial and clean.

CAPITAL PROJECT UPDATE

VEHICLE PURCHASE & REPLACEMENT

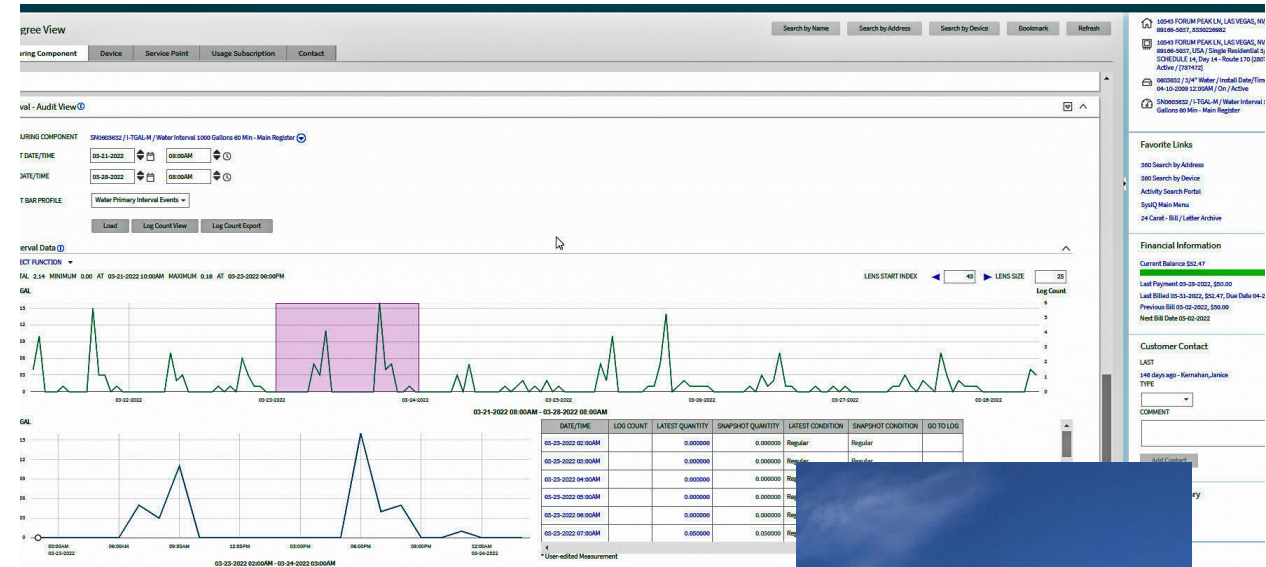
- Due to supply chain issues from the COVID-19 pandemic, many vehicles that were ordered in FY 21/22 were not received.
- Approximately 60 vehicles are meeting their end-of-life cycle and need to be replaced.
- 13 vehicles will be purchased to expand service in the valley and support new projects.

FY 22/23 Budget: \$6.0 million



ADVANCED METERING INFRASTRUCTURE (AMI) and C2M APPLICATION

- Together, AMI and C2M will provide a more comprehensive customer platform.
- Optimizes customer and field services communication through timely meter reads and events.
- Data from meter reads will eventually be available to customers on the mobile app, SMS messaging, and web portal.
- Provides more self-service options.

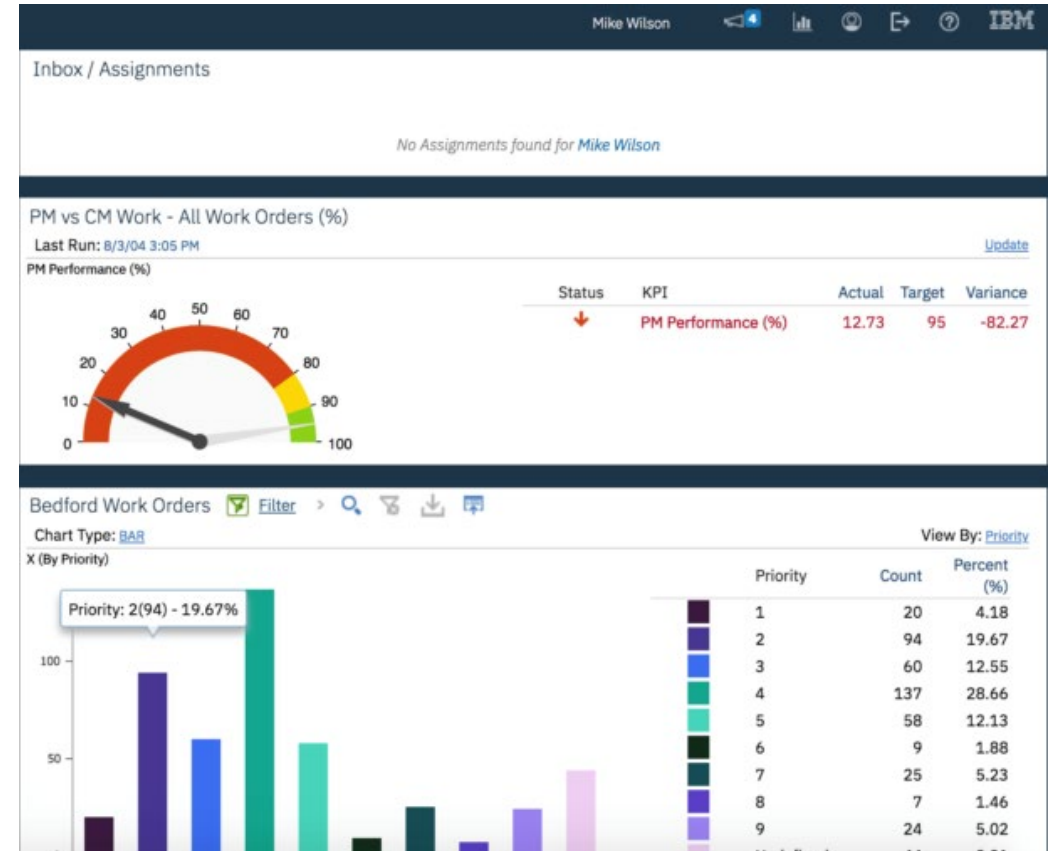


FY 22/23 Budget: \$5 million

Total Project: \$35 million (AMI) and \$11.6 million (C2M)

ENTERPRISE ASSET MANAGEMENT SYSTEM

- Enterprise Asset Management (EAM) will be replacing Avantis which will be retired in 2026.
- System will interface with existing water production, treatment, distribution, and facility management systems to handle critical functions.
- Work orders, asset inventories and maintenance schedules will also be integrated into the new system.
- Scheduled implementation date is July 2025.



FY 22/23 Budget: \$4.4 million
Total Project: \$15.5 million

ELECTRIC CHARGING STATIONS

Installation of charging stations will allow the District to transition to electric vehicles over time.

Currently, the LVVWD maintains 10 charging stations. This project will expand EV charging capability with 25 new stations.



BACKFLOW RETROFIT

- The Backflow Retrofit Program protects the drinking water supply from potential pollution and contamination caused by cross-connections and backflow events.
- Approximately 11,826 services currently do not have backflow prevention assemblies.
- The program works to obtain easements and install backflow prevention assemblies to ensure compliance with the State.
- The program has completed field survey of 7,787 sites, created over 3,600 exhibits and 2,300 legal descriptions, and installed 2,203 backflow prevention assemblies.

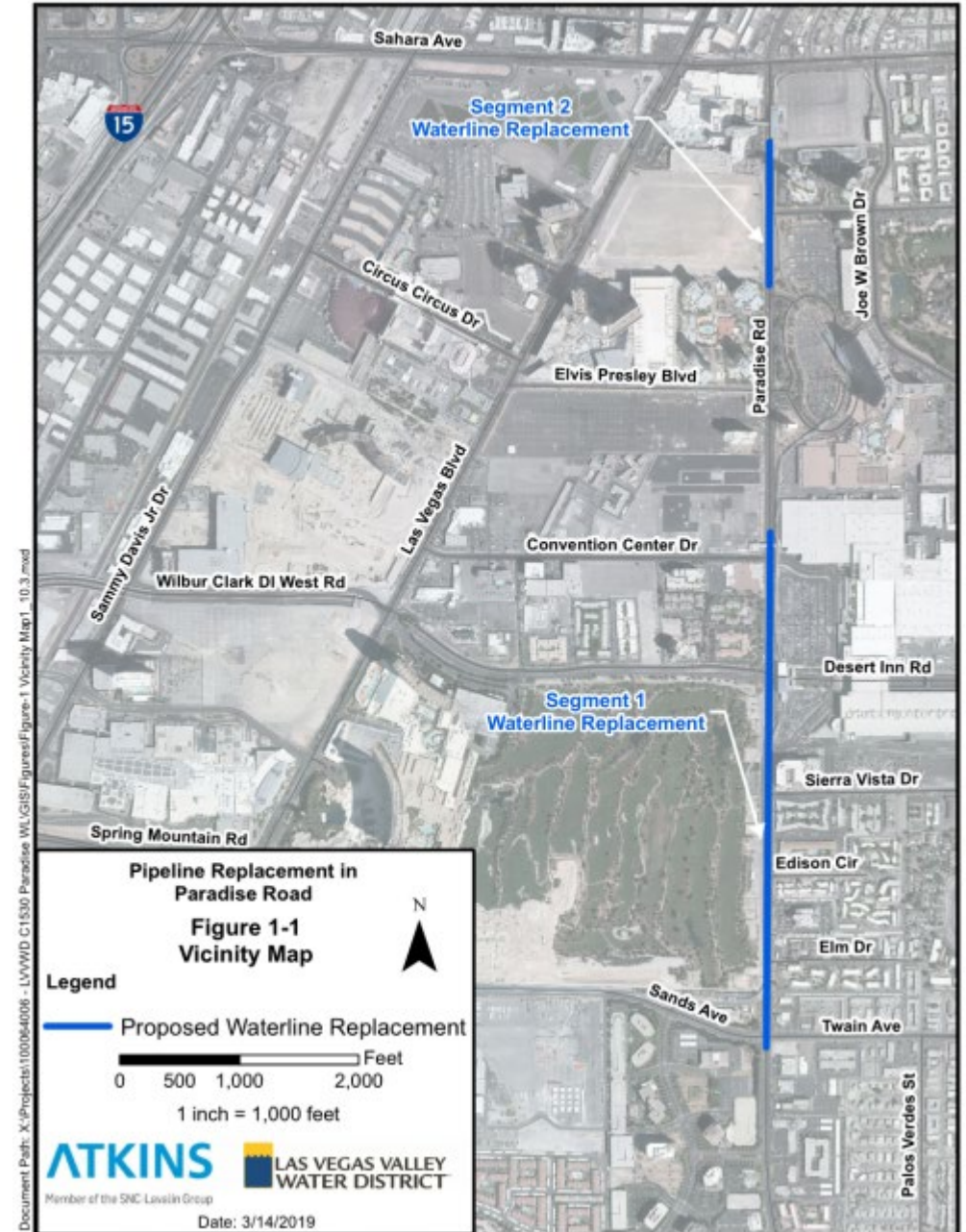
FY 22/23 Budget: \$15.8 million
Total Project: \$86.0 million



PARADISE PIPELINE REPLACEMENT

- This project will replace with 16 and 24-inch ductile iron pipe the existing piping in the 2300 Pressure Zone that has been rated “extreme risk” based on age, material, break history, and customers served
- Design is substantially complete
- Construction completion is currently anticipated for fall 2023

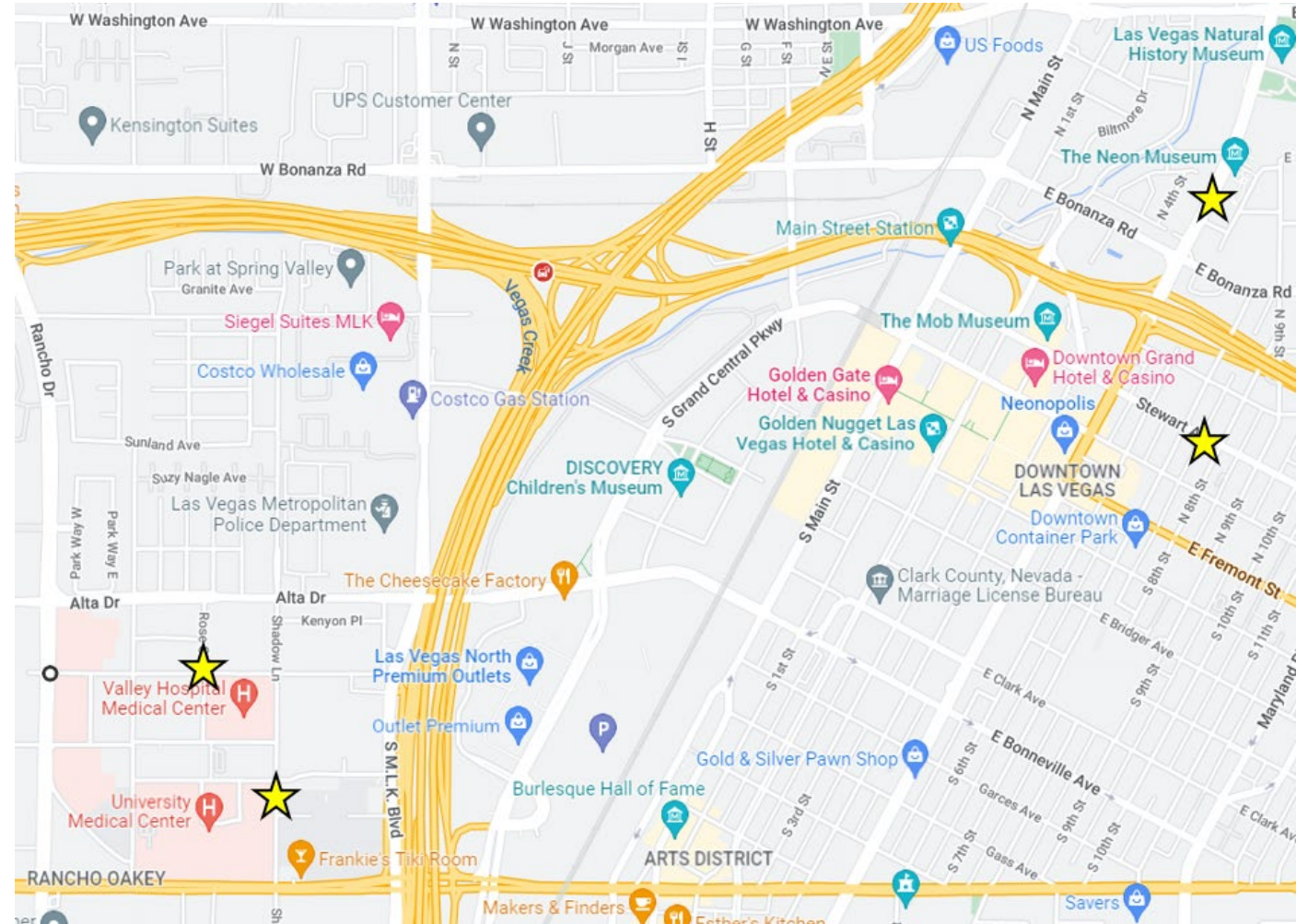
FY 22/23 Budget: \$8.4 million
Total Project: \$9.2 million



PIPELINE PARTICIPATION PROJECTS

Design/construction underway to replace existing aging pipeline at the following locations:

- 7th Street and Stewart Ave.
- Shadow Lane, between Alta and Charleston
- Las Vegas Blvd., between Stewart Ave. & Washington Ave.
- Pinto Lane, between Rancho Dr. & MLK Blvd.



FY 22/23 Budget: \$6 million

Total Project: \$23.2 million

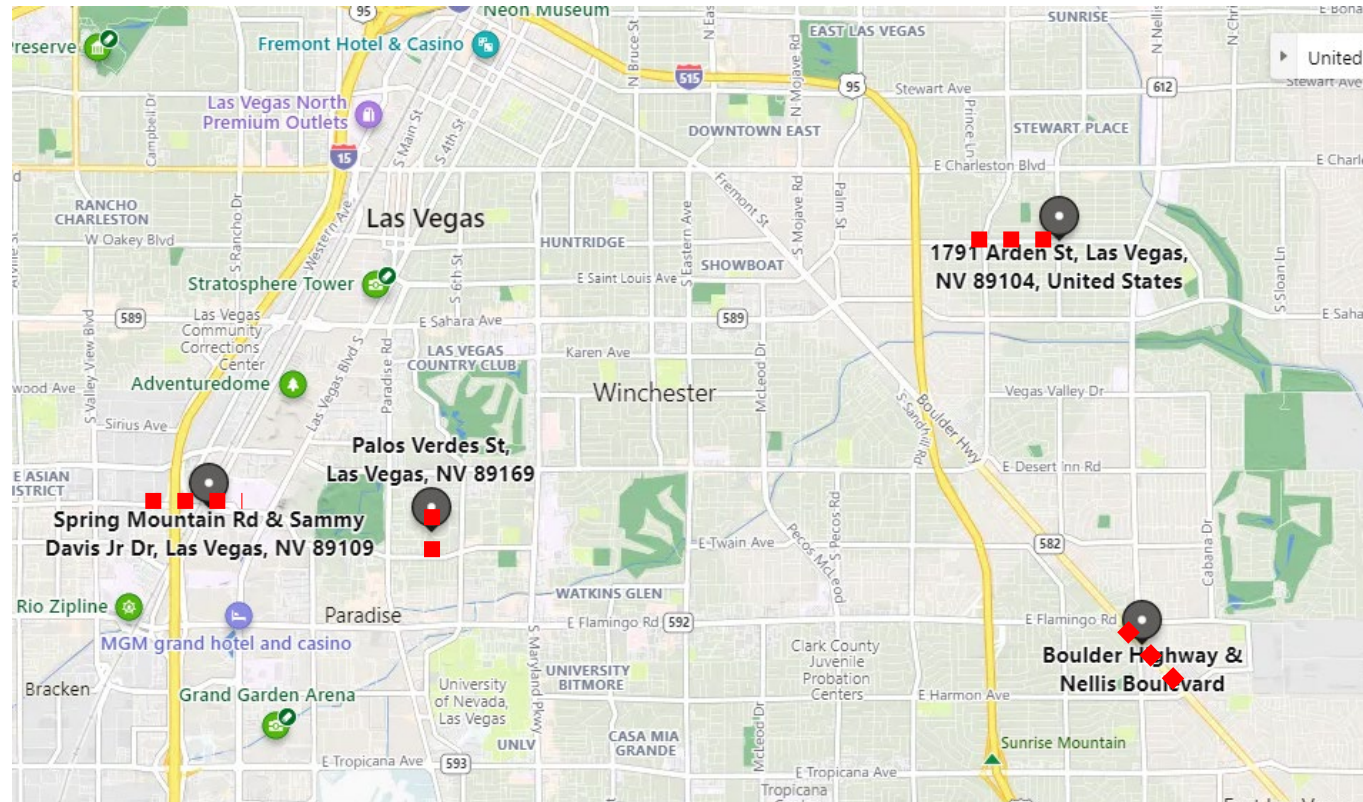
MISC. PIPELINE REPLACEMENTS – Phase 4

This project will replace existing distribution mains at the following locations:

- Wyoming Avenue between Lamb and Arden
- Boulder Highway between Nellis and Harmon
- Spring Mountain Road between Sammy Davis Jr. Drive and Las Vegas Boulevard
- Palos Verdes Street between Albert Ave. and Twain Avenue

Construction is expected to start in Summer 2022.

FY 22/23 Budget: \$2.1 million
Total Project: \$2.3 million

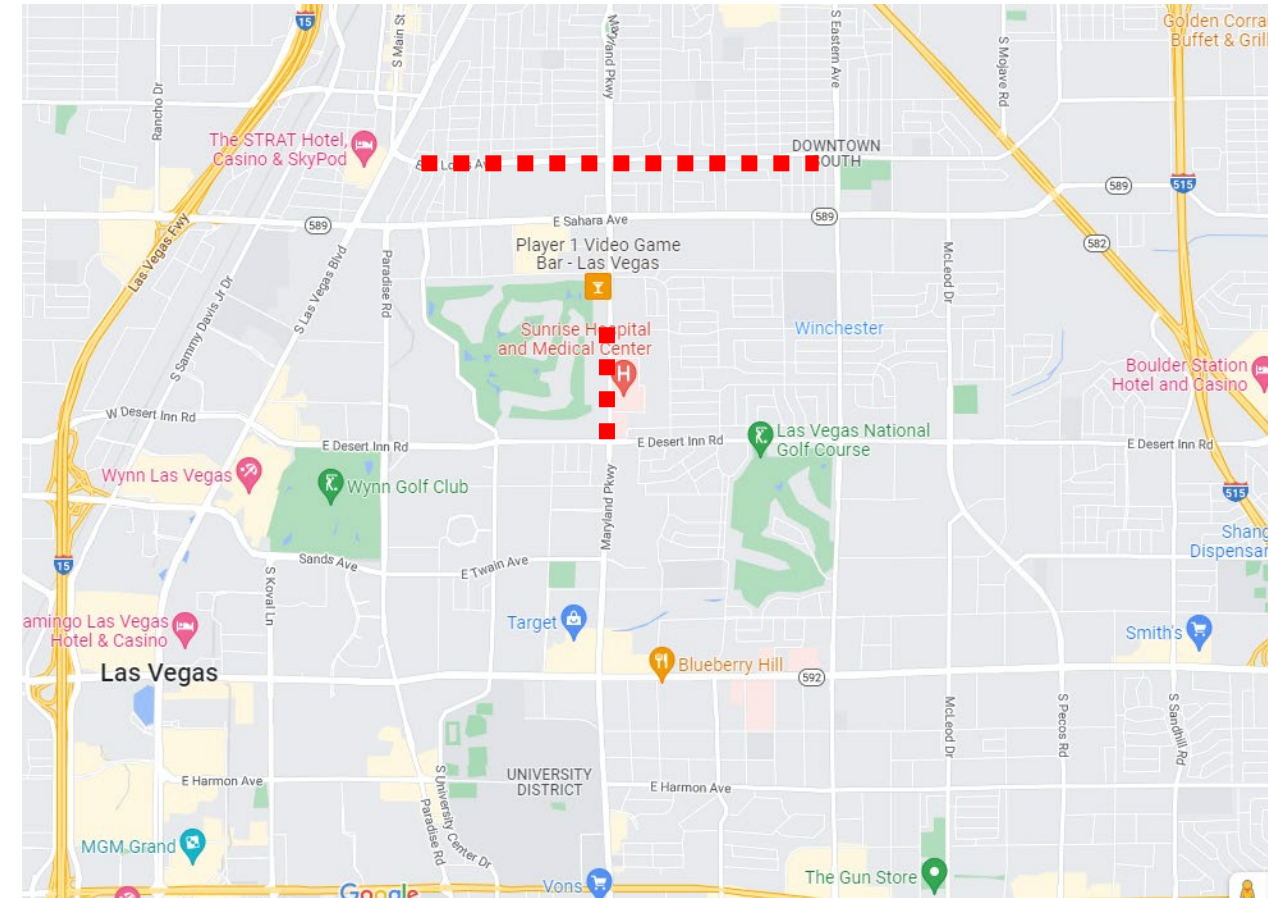


MISC. PIPELINE REPLACEMENTS – Phase 5

This project will replace existing pipelines with PVC:

- Maryland Parkway between Desert Inn and Vegas Valley (high risk due to failure, age, material and customer served)
- St. Louis Avenue (high risk of failure)
- Reeder Circle (insufficient fire flow)

Construction completion is anticipated
March 2023



FY 22/23: \$3.2 million
Total Project: \$3.2 million

LAS VEGAS BOULEVARD IMPROVEMENTS – Phase 3

Project consists of installation of:

- 13,600 linear feet of water line between Sahara Ave. & Harmon Ave.
- 8,500 linear feet of water line between Harmon Ave. & Russell Rd.
- 8,000 linear feet of water line between Russell Road and CC-215 Beltway

Installation will replace older pipelines that have either exceeded their useful life or are prone to excessive maintenance.

Anticipated completion date is 2025.

FY 22/23 Budget (Phase 3): \$1.0 million
Total Project (all phases): \$83.5 million



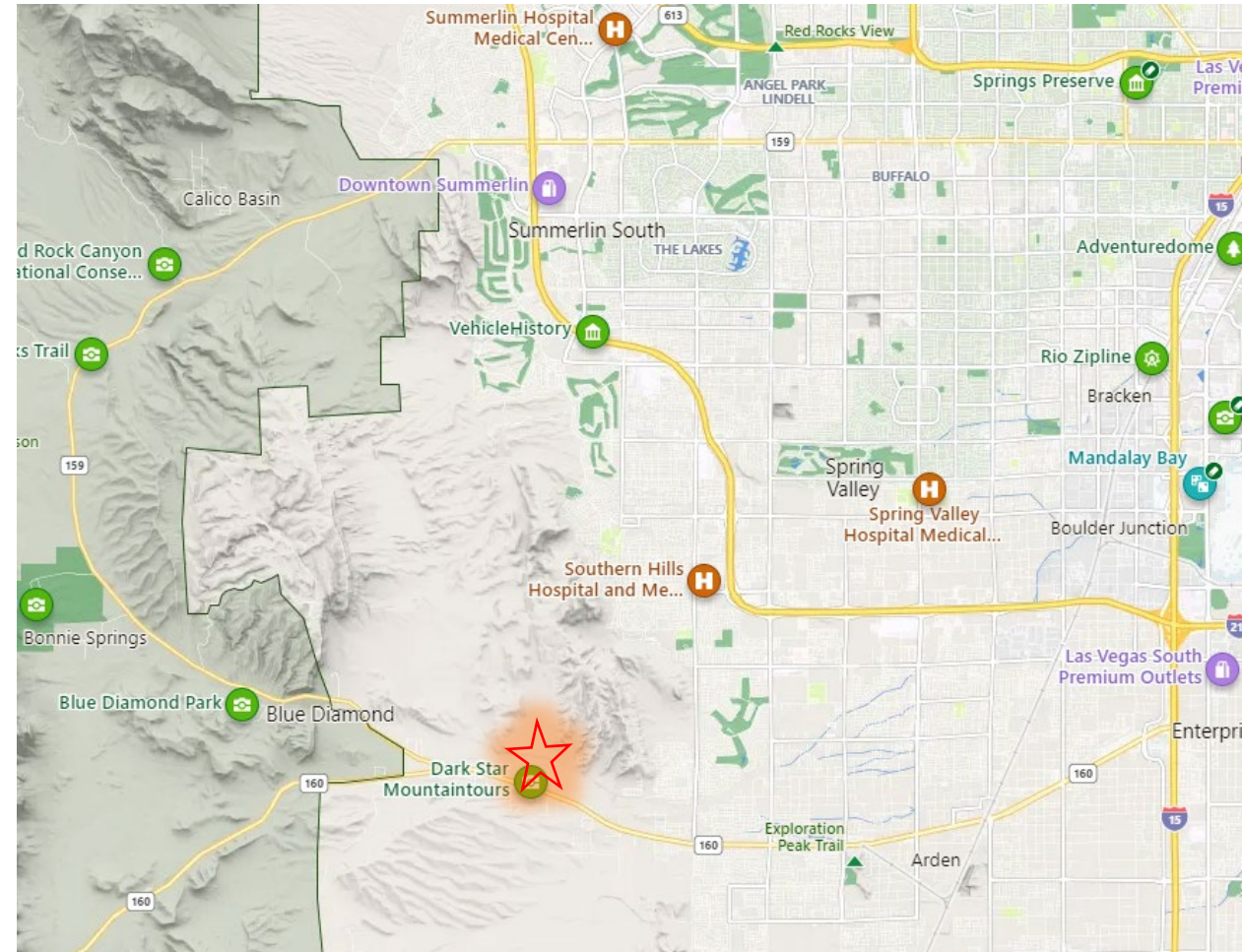
COUGAR 3090 ZONE RESERVOIR

The Cougar Reservoir will increase water storage capacity in the 3090 Zone

Existing zone has insufficient storage capacity to meet current and future demands

Design began July 2019; anticipated completion in summer 2023.

FY 22/23 Budget: \$23.3 million
Total Project: \$34 million



COUGAR 3090 ZONE INLET/OUTLET PIPELINE

Project: Install approximately 10,000 linear feet of 42-inch steel pipe from Hualapai and Pebble Road to the proposed Cougar Reservoir.

Project will provide 10 million gallons of reservoir storage to an area currently served by direct pressure.

Construction estimated to begin this summer and completed by spring 2023.



FY 22/23 Budget: \$10 million
Total Project: \$12.1

CENTENNIAL 2635 RESERVOIR AND PUMPING STATION

Project includes construction of pumping station (38 million gallons per day) and reservoir (5 million gallons).

Will transfer water from 2635 Pressure Zone to the nearby 2745 Pressure Zone (and future Rome Reservoir).

Construction began in June 2021; expected to be completed this fall.

FY 22/23 Budget: \$18.1 million
Total Project: \$40.0 million



Construction of Centennial Reservoir

ROME RESERVOIR, ZONE PUMPING STATION & ZONE PRV

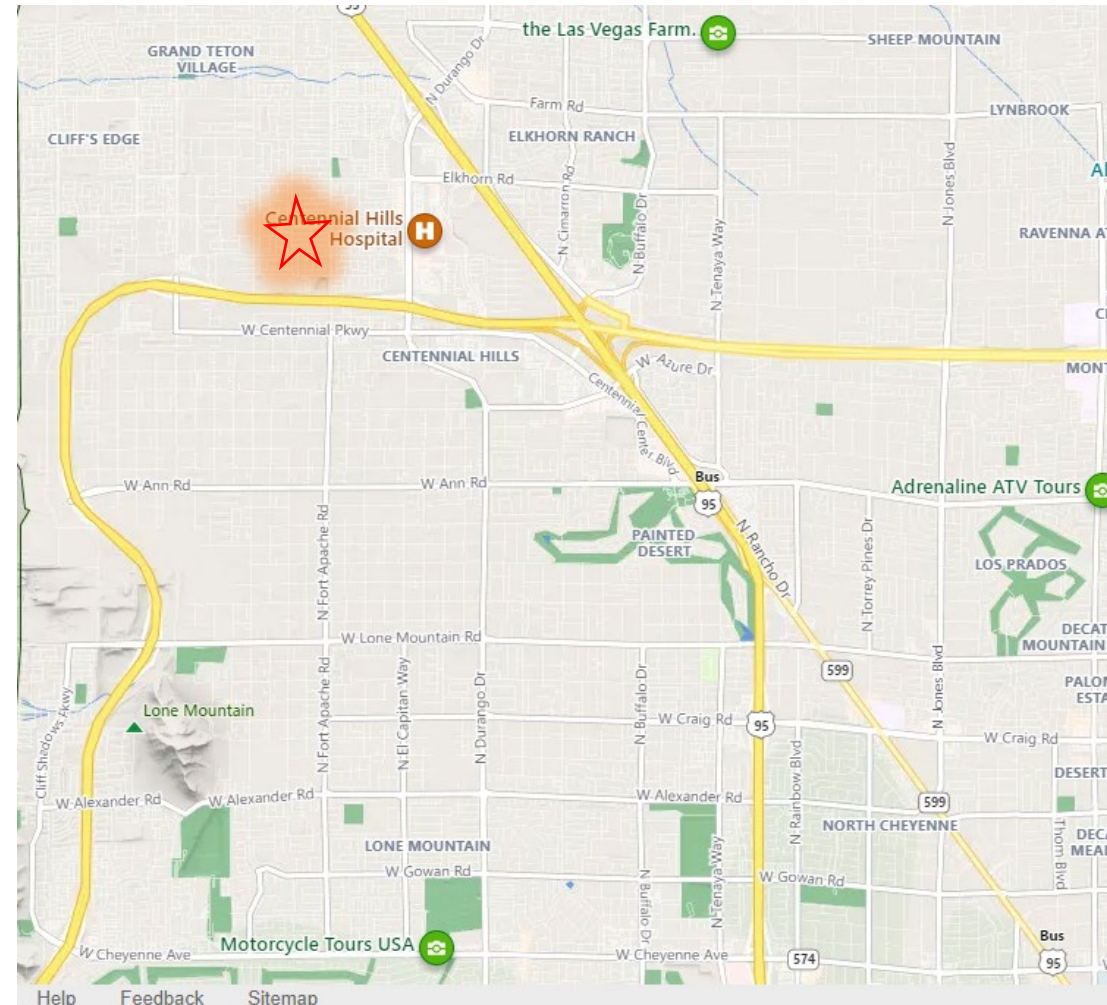
Project includes:

- New Rome Reservoir (10 million gallons)
- Zone Pumping Station: 28 million gallons per day pumping station to improve reliability of the northern portion of the District's system
- Pressure Reducing Valves
- Completely air-cooled facility

Construction is anticipated to begin summer 2022 and be completed by summer 2024.

FY 22/23 Budget: \$15 million

Total Project: \$41.4 million



ROME FACILITIES PIPELINE

Project includes construction of 48-inch, 42-inch, and 30-inch steel pipelines in Deer Springs Way between Hualapai and Campbell.

Helps ensure adequate hydraulic grade lines in nearby pressure zones and reduces reliance on the Grand Canyon pumping station.

Final design complete; construction completion anticipated summer 2023.

FY 22/23 Budget: \$12.8 million
Total Project: \$15.0 million



4125 ZONE SOUTH FACILITIES

New facilities serving the west side of the valley:

Zone South Facilities include:

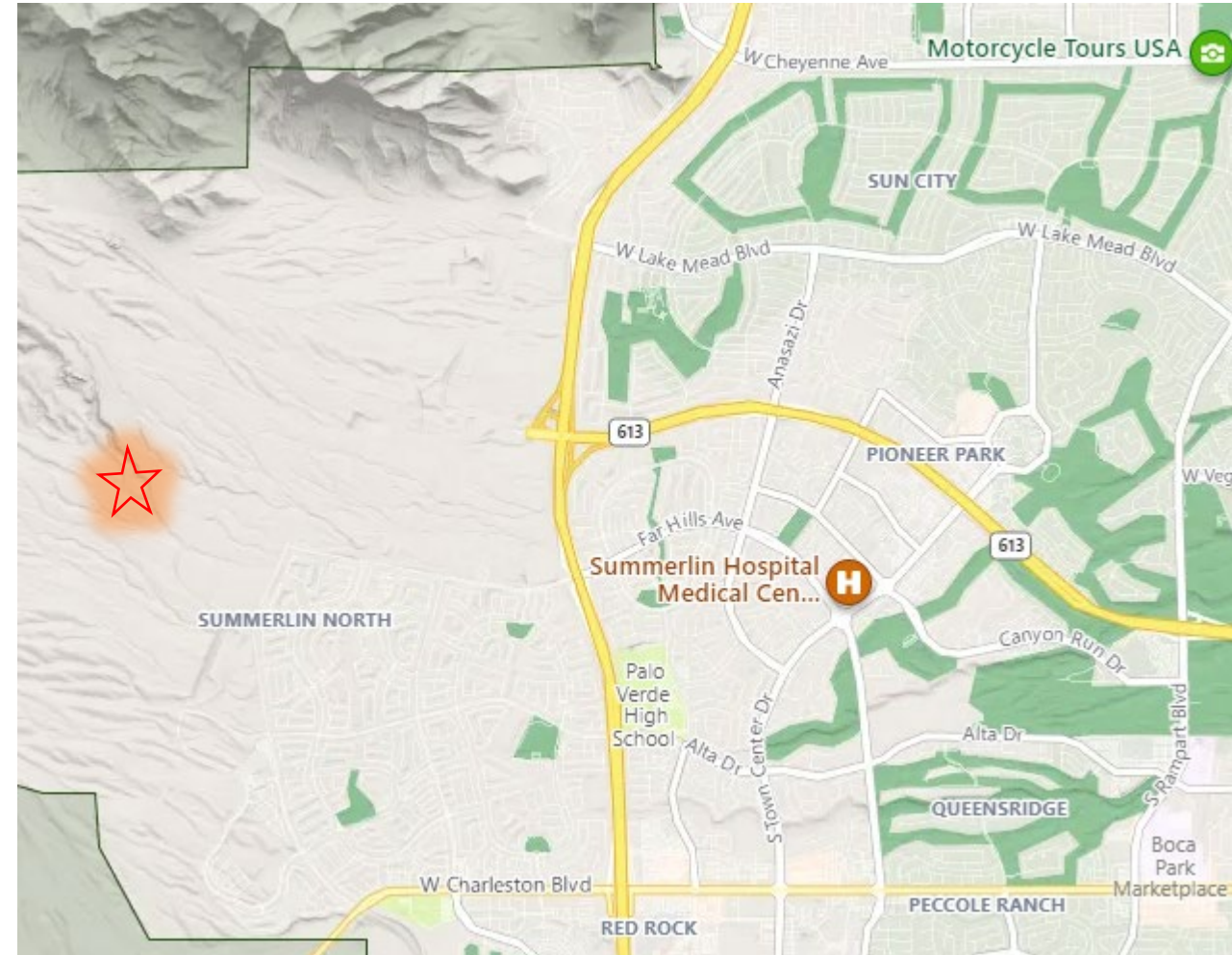
- 36-inch and 42-inch pipelines (2 phases)
- 1 reservoir

The design and construction of these facilities are developer-funded.

Design completion is anticipated spring 2023; construction completion by spring 2024.

FY 22/23 Budget: \$3.4 million

Total Project: \$8.9 million



2150 ZONE AND CHRISTY LANE EMERGENCY PRESSURE REDUCING VALVES FACILITY

The District's 2150 Pressure Zone is a closed zone currently served by a single pumping station.

Existing facilities constructed in 1991 and show indications of corrosion.

Establishes pressure reducing valve facilities that provide emergency domestic supply from the City of North Las Vegas 2260 Pressure Zone to the District's 2150 Pressure Zone.

FY 22/23 Budget: \$1.3 million

Total Project: \$1.4 million



CENTENNIAL 3205 ZONE NORTH PIPELINE

Project needed to bolster water conveyance to meet customer demands in the northern portion of the Northwest.

Project includes installation of approximately 13,000 linear feet of 36-inch diameter pipeline in Centennial Blvd., Puli Road and Farm Road.

Phase I underway; Phase II should start construction in April.

FY 22/23 Budget: \$1.1 million
Total Project: \$1.3 million



GROUNDWATER TREATMENT UNITS

Installation of new treatment units maintains water quality at several LVVWD well sites.

Project partially grant funded by the Bureau of Reclamation (~\$850,000).

Project began in August 2021, expected completion date of fall 2023.

FY 22/23 Budget: \$1 million
Total Project: \$1.8 million



BLUE DIAMOND WATER SYSTEM

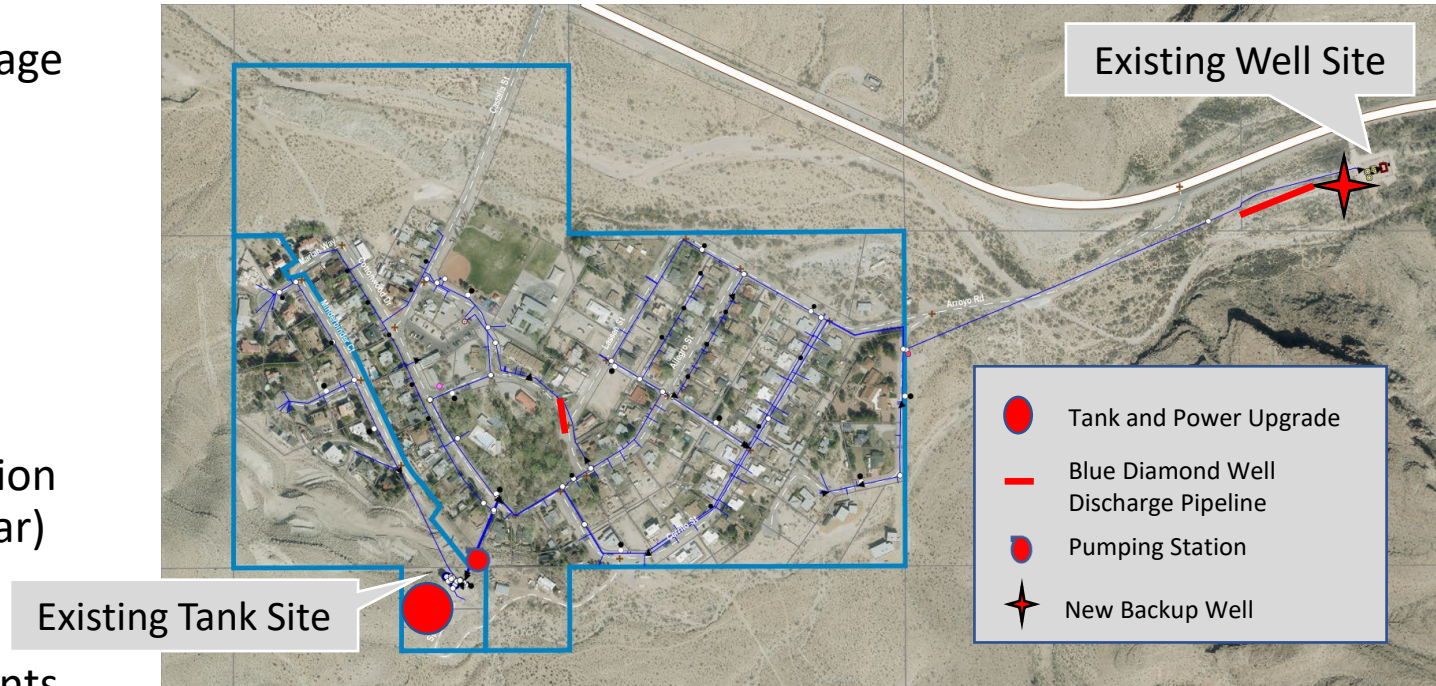
Tank and Power Upgrade: Needed to meet emergency, firefighting and operational water storage requirements. Power is needed to operate the site effectively. (Construction scheduled to begin next year)

Well Discharge Pipeline: needed to support construction of a new backup well and convey groundwater from the backup well to the distribution systems. (Construction scheduled to begin next year)

Pumping Station: Meets fire protection requirements and is needed to operate the 3630 Pressure Zone more effectively, with improved controls. (Under construction)

FY 22/23 Budget: \$1.0 million

Total Project: \$15.2 million





2022-23 BUDGET OVERVIEW

2022-23 BUDGET OVERVIEW

This year's budget is presented as an Operating and Capital budget.

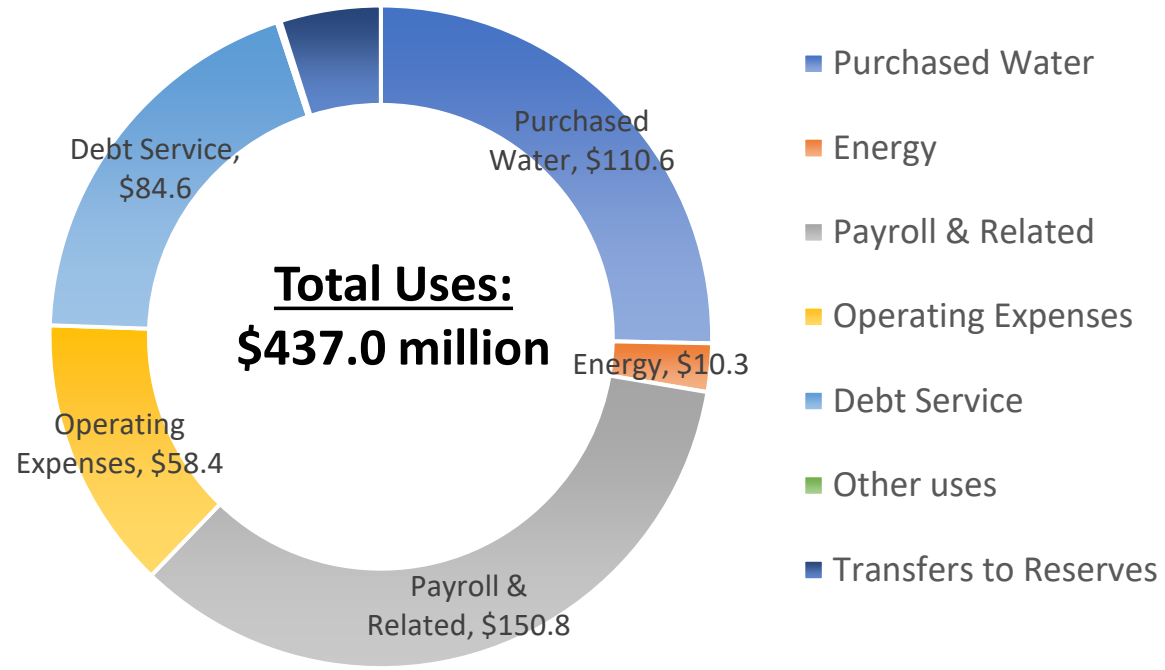
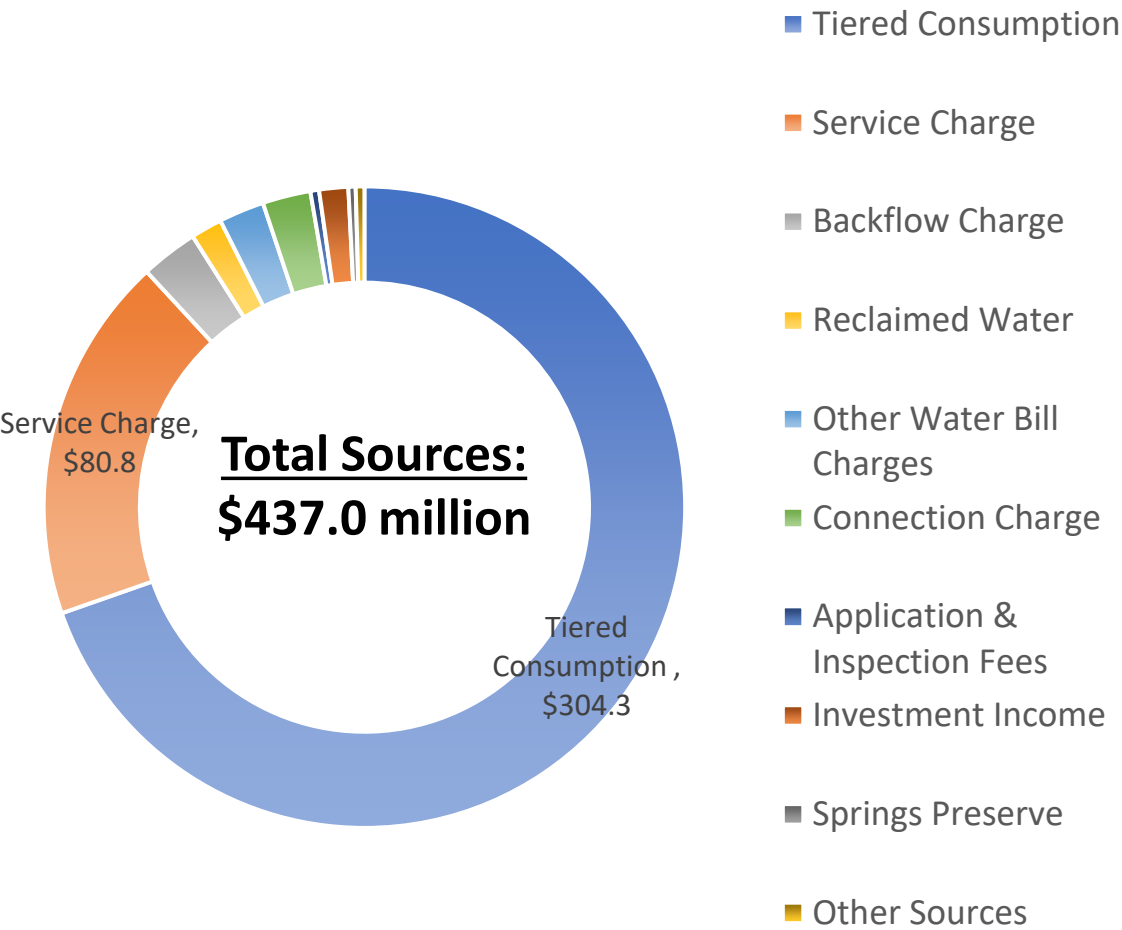
Capital budget reflects progress on its capital program and asset management initiatives.

District priorities remain:

- Reducing non-revenue losses
- Maintaining reliable water service for customers
- Meeting regional conservation goal



2022-23 OPERATING SUMMARY



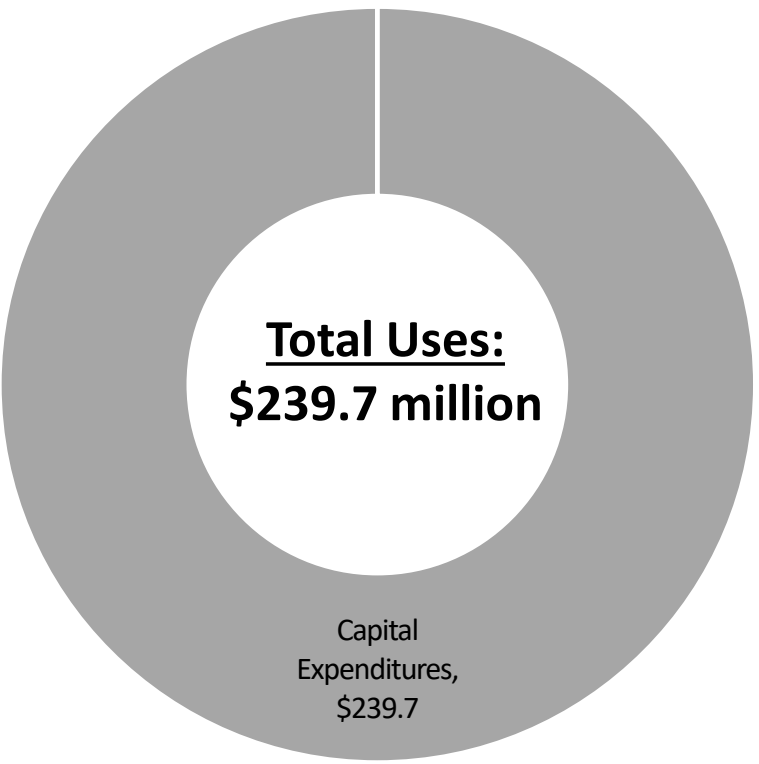
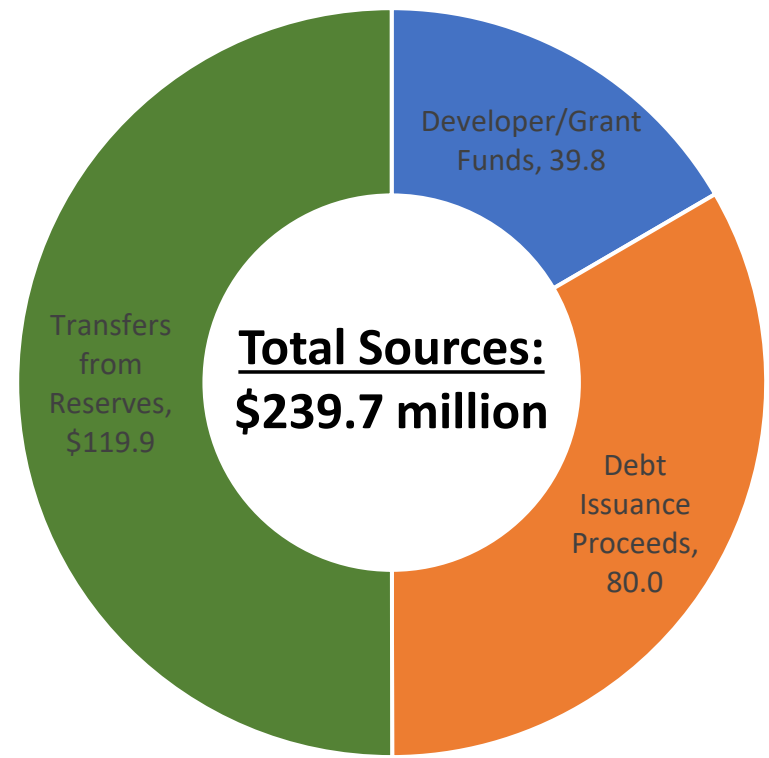
2022-23 OPERATING SOURCES OF FUNDS

	Actual 2020-21	Budget 2021-22	Budget 2022-23	Variance \$
Sources				
Tiered Consumption	\$ 290.2	\$ 301.1	\$ 304.3	\$ 3.2
Service Charge	76.4	77.9	80.8	2.9
Backflow Charge	12.4	12.5	12.6	0.2
Reclaimed Water	7.8	7.3	6.9	(0.4)
Other Water Bill Charges	6.4	5.3	10.0	4.7
Connection Charge	33.1	8.3	10.6	2.3
Application & Inspection Fees	4.3	1.0	1.9	0.8
Investment Income	0.9	5.4	6.4	1.0
Springs Preserve	0.4	1.9	1.6	(0.3)
Other Sources	2.5	0.0	1.9	1.9
LVVWD Sources	\$ 434.4	\$ 420.7	\$ 437.0	\$ 16.3

2022-23 OPERATING USES OF FUNDS

Uses	Actual 2020-21	Budget 2021-22	Budget 2022-23	Variance \$
Purchased Water	\$ 99.7	\$ 105.6	\$ 110.6	\$ 5.0
Energy	8.5	9.4	10.3	0.9
Payroll & Related	105.3	152.0	150.8	(1.2)
Operating Expenses	36.6	51.0	58.4	7.5
Debt Service	72.7	79.5	84.6	5.2
Other Uses	1.5	0.3	0.8	0.5
Transfers To Reserves	110.0	23.0	21.4	(1.6)
LVVWD Uses	\$ 434.4	\$ 420.7	\$ 437.0	\$ 16.3

2022-23 CAPITAL SUMMARY



Amounts in million dollars. Totals are rounded.

2022-23 CAPITAL SOURCES OF FUNDS

	Actual 2020-21	Budget 2021-22	Budget 2022-23	Variance \$
Sources				
Developer/Grant Funds	\$ 5.7	\$ 23.9	\$ 39.7	\$ 15.8
Debt Issuance Proceeds	106.0	75.0	80.0	5.0
Other Sources	4.1	0.0	0.0	0.0
Transfers From Reserves	0.0	55.0	119.9	64.9
LVVWD Sources	\$ 115.8	\$ 153.9	\$ 239.7	\$ 85.7

2022-23 CAPITAL USES OF FUNDS

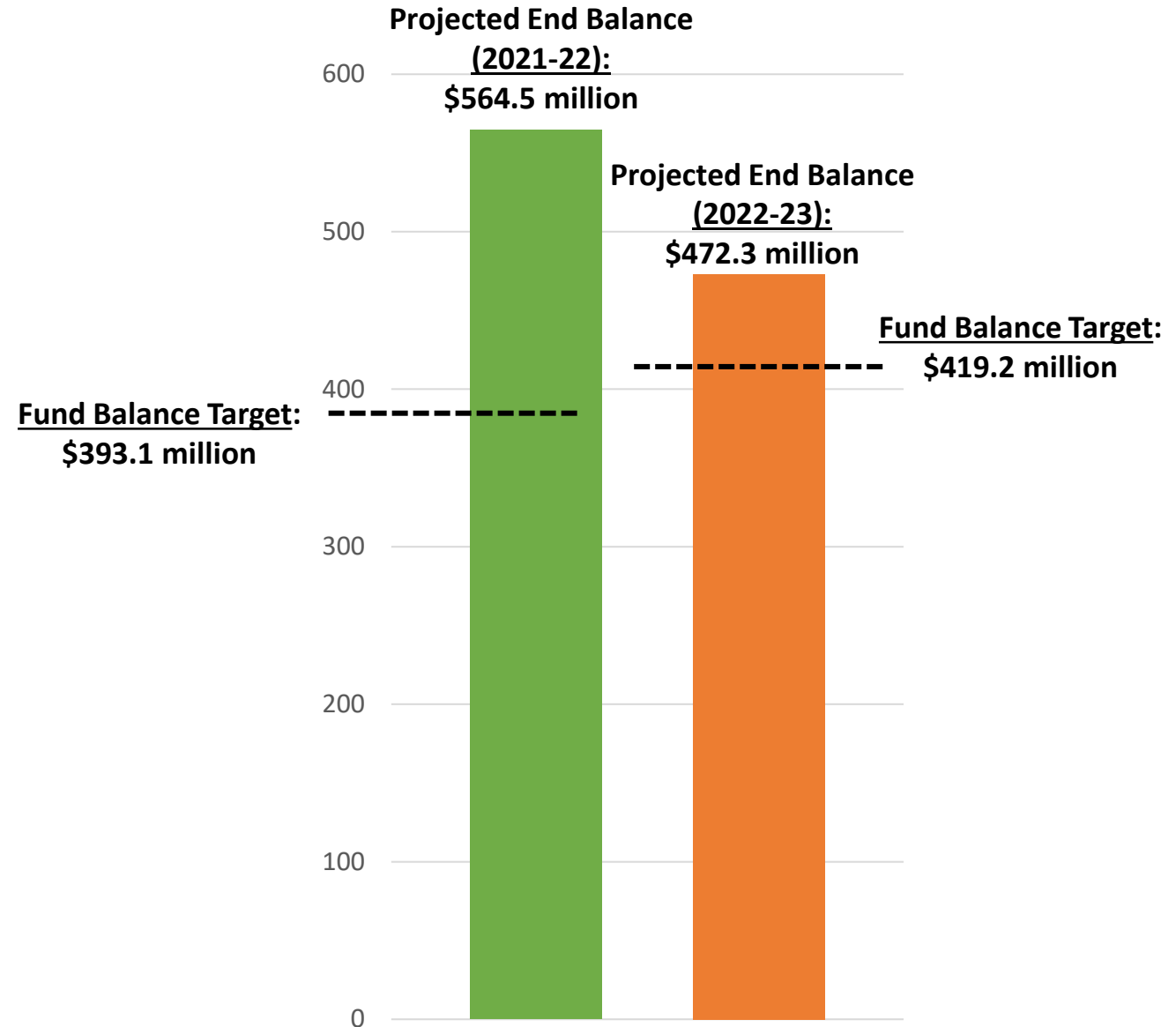
	Actual 2020-21	Budget 2021-22	Budget 2022-23	Variance \$
Capital Expenditures	\$ 96.7	\$ 153.9	\$ 239.7	\$ 85.7
Transfers to Reserves	19.1	0.0	0.0	0.0
Total Capital Uses	\$ 115.9	\$ 153.9	\$ 239.7	\$ 85.7

Amounts in million dollars. Totals are rounded.

RESERVE BALANCE

Reserve Policy Elements:

- Maintain 180 days of operating and maintenance expenses
- Fund one year of maximum annual debt service
- Fund one year of average annual capital expenditures
- Fund 1 percent of depreciable assets



2022-23 BUDGET SUMMARY

- Operating budget remains relatively flat
- Operating costs reflect increases in cost of water and materials
- The budget reflects the District's ongoing capital initiatives
- Conservation remains a top priority





**LAS VEGAS VALLEY
WATER DISTRICT™**

COYOTE SPRINGS WATER RESOURCES DISTRICT

2022-23 BUDGET SUMMARY

	Actual 2020-21	Budget 2021-22	Budget 2022-23	Variance \$
Sources				
Operating Revenues	\$ -	\$ -	\$ -	\$ -
Developer Contributions ¹	2,517	50,000	50,000	-
Total Sources	2,517	50,000	50,000	-
Uses				
Operating Expenses	-	-	-	-
Invoiced Developer Costs ²	2,517	50,000	50,000	-
Total Uses	2,517	50,000	50,000	-

¹ Per contractual agreement, the developer(s) will reimburse any cost not covered by operating revenues

² Based on recent costs billed to developer(s).

BIG BEND WATER DISTRICT

2022-23 BUDGET SUMMARY

	Actual 2020-21	Budget 2021-22	Budget 2022-23	Variance \$
Sources				
Water Charges	\$ 4,033,659	\$ 4,218,165	\$ 4,212,066	\$ (6,100)
Interest Income	-	-	-	-
System Development Charges	27,675	3,495	1,748	(1,747)
Sales Tax	293,221	358,315	373,715	15,400
Other Sources	(762)	500,000	2,538,000	2,038,000
Subtotal	4,353,793	5,079,975	7,125,528	2,045,554
Debt Issuance Proceeds	-	1,000,000	-	(1,000,000)
Total Sources	4,353,793	6,079,975	7,125,528	1,045,554
Uses				
Energy	318,084	435,000	435,000	-
Payroll & Related	1,525,754	2,178,124	2,736,921	558,797
Operating Expenses	1,819,021	2,575,513	2,847,801	272,288
Capital Expenditures	352,457	1,497,700	3,298,000	1,800,300
Debt Service	517,423	517,423	517,423	(0)
BBWD Uses	4,532,738	7,203,760	9,835,145	2,631,385
BBWD Net Surplus/(Deficit)	\$ (178,945)	\$ (1,123,786)	\$ (2,709,617)	\$ (1,585,831)



**LAS VEGAS VALLEY
WATER DISTRICT™**