

MEMORANDUM

TO: Board of Trustees

THROUGH: Steven J. Pinkerton
General Manager

FROM: Joseph Pomroy, P.E.
Director of Public Works

Charley Miller, P.E.
Engineering Manager

SUBJECT: Review, Discuss, and Possibly Award a Construction Contract for the Water Reservoir Safety and Security Improvements Project – 2018/2019 Capital Improvement Project: Fund: Utilities; Division: Water; Project # 2299DI1701; Vendor: Resource Development Company in the amount of \$362,600

STRATEGIC PLAN: Long Range Principle 5 – Assets and Infrastructure

DATE: March 29, 2019

I. RECOMMENDATION

That the Board of Trustees moves to:

1. Award a construction contract to Resource Development Company in the amount of \$362,600 for the construction of the Water Reservoir Safety and Security Improvements Project.
2. Authorize Chair and Secretary to execute the contract with Resource Development Company based on a review by General Counsel and Staff.

II. DISTRICT STRATEGIC PLAN

Long Range Principle #5 – Assets and Infrastructure – The District will practice perpetual asset renewal, replacement, and improvement to provide safe and superior long term utility services and recreation activities.

- The District will maintain, renew, expand, and enhance District infrastructure to meet the capacity needs and desires of the community for future generations.
- The District will maintain, procure, and construct District assets to ensure safe and accessible operations for the public and the District's workforce.

III. BACKGROUND

The District owns and maintains 13 water reservoirs in Incline Village and Crystal Bay to store clean potable water that supply the residential and commercial customers in the District. The District also has one wastewater effluent storage reservoir. The majority of these reservoirs were constructed in the 1960's and 1970's with the last tank constructed in 1996. The water reservoirs range in size from 173,000 gallons up to 1,000,000 gallons each. The water reservoirs are welded steel tanks with various types of ladders and safety climbing apparatus to access the roof where communication equipment is installed and to access the interior of the water reservoir for maintenance and operational requirements.

This project would replace the ladders that access the top of the water reservoirs, install intermediate access platforms, install protective railings and install new fall protection devices. The exterior access to the roof area is required to meet the needs of the District to monitor the water quality in the reservoirs and perform routine repairs to radio communication equipment. The ladders also need to be secured from access by the public. The reservoir ladders, fall protection, platforms, and protective railings will meet the current Occupational Safety and Health Administration (OSHA) safety standards.

This item is placed on the Consent Calendar in accordance with Policy 3.1.0 (Consent Calendar) as it is included in the 2018-19 Capital Budget and meets budget.

IV. BID RESULTS

The District publicly advertised this project for bidding and plan sets were acquired by four interested bidders. Two bids were received and opened on March 28, 2019. The Engineer's Estimate for the project was \$500,000. The bid results are as follows.

Contractor	Bid Amount
Resource Development Company	\$473,400
Paso Robles Tank	\$542,000

The lowest responsive bidder is Resource Development Company. The District only has sufficient funds to award 10 of the 13 reservoirs. The reservoir constructed in 1996 does not need any improvements at this time. In comparing the two bids, Resource Development Company was also the lowest bidder when the three reservoirs are eliminated from both bids received. District Staff reviewed the bid and checked references for the contractor and recommends award of this project to Resource Development Company. If awarded, the project is scheduled to start May 1, 2019 and be substantially complete by June 30, 2020.

V. FINANCIAL IMPACT AND BUDGET

\$218,600 was carried over from the 2017/2018 Capital Improvement Program Budget and \$200,000 was included in the 2018/2019 Capital Improvement Program Budget under the Water Reservoir Safety and Security Improvements Project (Project # 2299DI1701 – see attached data sheet) of which there is a total of \$387,445 currently available to complete the proposed work.

Total Available Project Budget

Description	Amount
2299DI1701 – Water Reservoir Safety and Security Improvements Project – FY18/19 Funds	\$387,445
Total Available Budget	\$387,445

The estimated project construction budget is presented in the following table.

Estimated Project Construction Budget

Description	Amount
Construction Contract (reduced bid)	\$362,600
Construction Contingency at 6%	\$20,000
District Staff Time	\$4,000
Estimated Project Total	\$386,600

VI. ALTERNATIVES

Not award the contract and defer the safety and security improvements at the reservoirs to a future date. This impact's Staff's ability in operations and maintenance of the water system.

VII. BUSINESS IMPACT

This item is not a "rule" within the meaning of Nevada Revised Statutes, Chapter 237, and does not require a Business Impact Statement.



Project Summary

Project Number:	2299DI1701		
Title:	Water Reservoir Safety and Security Improvements		
Asset Class:	D - Capital Improvement - Existing Facilities		
Division:	99 - General Administration - Water		
Budget Year:	2019		
Scenario Name:	Main	Active:	Yes
Budget Status:	Data Entry		
Locations:			
Project Something:	DI - Distribution Infrastructure		

Project Description				
The District owns and maintains 13 water reservoirs in Incline Village and Crystal Bay to store clean potable water that supply the homes and businesses in the District. The majority of these reservoirs was constructed in the 1960's and 1970's, with the exception of reservoir 3A-1 construction in 1996. The reservoirs range in size from 173,000 gallons up to 1,000,000 gallons. The reservoirs are welded steel with various types of ladders and safety climbing apparatus. The ladders are provided to meet the Occupational Safety and Health Administration (OSHA) for exterior access to the roof area and the needs of the District. The reservoirs need to be modified to meet the current safety standards.				
Project Internal Staff				
Staff will manage the project with a design, bid, and build process.				
Project Justification				
When the reservoirs were constructed the ladders and climbing apparatus were built to current industry standards. The reservoir ladders and climbing apparatus have been modified over the years to meet the Homeland Security standards. This project will upgrade the ladders, rails, fencing, and climbing apparatus to meet current Federal OSHA safety standards to protect the IVGID employees required to climb the reservoirs. The reservoirs will also be assessed for proper security protections.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2019				
Construction	200,000	0	200,000	
Year Total	200,000	0	200,000	
	200,000	0	200,000	
Year Identified	Start Date	Project Partner	Manager	Est. Completion Date
2016	Jul 1, 2017		Utilities Maintenance Specialist	Jun 30, 2019