

Date: June 16, 2021
To: Forest View Acres Water District
Re: Project Updates

Arapahoe Well Repair

Pending. Applied Ingenuity expects the well to be out of service for 6 or more days during the repair.

Water Main Easements/Clovenhoof Pipeline Loop

JDS, CRS, and the District Attorney plan to meet tomorrow morning to discuss the required easements to complete the Clovenhoof loop as presented at the past meeting. JDS is researching existing easements to determine if FVAWD needs to approach additional property owners beyond Kathryn Van Der Gugten to complete the loop. Once the location of any additional easements is confirmed, a surveyor will need to be hired to provide legal descriptions of the easements and the easement agreement language will need to be drafted.

System Map Updates

JDS and ORC met in the field on June 10th to and reviewed system map updates. JDS is in the process of updating the map book per redlines noted at this meeting. The updated map book will be posted at the following Dropbox location prior to the board meeting.

https://www.dropbox.com/sh/sqwr8fmf5dirnu3/AADlrn3m_oNAwbjWFdvTwBia?oref=e

City of Monument Possible Interconnect

JDS reached out to the City of Monument. JDS will follow up as they get closer to their final alignment.

SRF Eligibility Survey

The SRF Eligibility Survey is due to the CDPHE on June 30, 2021. Filling out this survey qualifies FVAWD to apply for funding through the State Revolving Fund. Note that filling out the survey does not obligate the District to utilize SRF funds and the specific projects and dollar amounts reported on the survey do not have to be adhered to when and if funding is requested. The past submission is attached for the board's review. Please provide JDS and CRS with any requested updates.

- 1. 2021 DWRP Eligibility Survey (for review and redlines)*

Please contact me if you have any questions.

Thanks

Gwen Dall, P.E.
JDS-Hydro Consultants, Inc.



Drinking Water Eligibility Survey

Please select the purpose of this survey form:

- A. Create a new listing This option is automatically selected if the selected system/facility is not currently listed on the 2020 Project Eligibility List. This survey will be used to identify all 20-year capital improvement needs and will generate a new listing for inclusion on the 2021 Project Eligibility List.

- B. Update an existing listing (This option is automatically selected by default if the identified system/facility is currently listed on the 2020 Project Eligibility List. Please Select from the following options.)
 - No Change The 2020 capital improvement needs previously selected are current and correct and no changes are required. These needs and estimated project costs should be carried over to the 2021 Project Eligibility List unchanged. Note: by selecting "No Changes" the capital improvement needs section below has been disabled to ensure changes are not made to the listing. Updates to all other sections of this survey are welcome and are encouraged.

 - Update The capital improvement needs previously selected require updates prior to inclusion on the 2021 Project Eligibility List. Please update any existing responses below as necessary and be certain all potential capital improvement needs for your system are selected. Note: any items not selected will not be included in the project description and would not be eligible for funding in 2021.

 - Remove The capital improvement needs currently selected on this survey and listed on the 2020 Project Eligibility List are no longer required and the project(s) should be removed. Note: by selecting this option, the above community/system will not be included on the 2021 Project Eligibility List, and no funding will be made available for capital improvement projects in 2021.

PWSID (Public Water System ID) No:	Specify PWSID:	CO0121250
Entity Type:	Water District	Specify Other:
Owner/Entity:	FOREST VIEW ACRES WATER DISTRICT	
Mailing Address 1	7995 East Prentice Avenue Suite 103E	Mailing Address 2: County: _____
City:	Greenwood Village	State: Zip Code: 80111
Latitude :	39.7517291	Longitude : _____
<input type="checkbox"/> The above address has changed and needs to be updated. Enter new address below.		
Address Line 1	_____	Address Line 2 Zip Code: _____
City:	_____	State: _____
Population Served	867	Project County _____
System Ownership Type:		
<input checked="" type="checkbox"/> Governmental <input type="checkbox"/> Private, Not for Profit		

Primary contact person for this system

Name:	Lisa Jacoby	Title:	District Manager
Phone Number:	303-381-4968	E-mail:	ljacoby@crsofcolorado.com

Person completing form, if different from above

Name: Gwen Dall
Phone Number: 719-227-0072

Title: Engineer
E-mail: gdall@jdshydro.com

Executive Summary:

Provide a brief description of the proposed needs or projects

FVAWD serves 324 homes within the District boundaries. Much of the existing distribution system is old, prone to leaks and has areas where looping is needed to reduce water age. The raw surface water transmission line is older and leaking. The District has two water treatment plants, both of which are older and need to be expanded or replaced. The surface water treatment plant is extremely aged and often down due to turbidity spikes in the source water that is not equipped to handle. Any increased regulations regarding surface water treatment is likely to take it out of compliance. The District has a second well that needs to be connected to the water system to provide source redundancy. Adding this well would require the groundwater treatment plant to be expanded. The district has only one potable water tank which is undersized and older and needs to be replaced. The district also needs to complete the replacement of residential meters which reduce operational costs, improve leak tracking and promote water conservation. Proposed improvements include replacement of the surface water treatment plant, installation of transmission line and expansion of the groundwater treatment plant to bring on new well, replacement of their potable water storage tank, replacement of 5,150 ft of surface water transmission line (located in an area with lots of rock and portions are not vehicle accessible), replacement of 2,700 ft of distribution line, and replacement of water meters.

Background Information: Drinking Water Quality, Public Health, Financials, Project Schedule

Existing or anticipated water quality or public health problem(s); check all that apply:

- Project addresses a documented waterborne disease outbreak associated with the system within the last 24 months.

Project(s) correct or prevent violations of MCLs (primary standards) of any of the following or other regulated or emerging contaminants:

- Nitrate, nitrite, TCR
- Total trihalomethanes, total haloacetic acids
- Arsenic, selenium
- Other regulated contaminants or other emerging contaminants (e.g. PFAS), check this box and describe below.

Proposed improvements will:

- correct inadequate treatment techniques that are unable to satisfy the requirements for Surface Water, GWUDI, or Groundwater
- corrects or prevents exceedances of MCLs for radionuclides.
- corrects exceedances of secondary drinking water standards

Project(s) will correct or prevent:

- Inadequate distribution due to system deterioration (e.g., experiencing multiple line breakages).
- Inadequate distribution due to chronic low pressure
- Inadequate storage
- Demand exceeding design capacity

Is this system/facility under an enforcement order (E.O.) or on a compliance schedule? Yes No

Description of violation or cause for enforcement:

- Project(s) proposed for this system/facility are voluntary efforts to resolve possible violations and will mitigate the issuance of a consent order, notice of violation, or other enforcement action.
- Project(s) are needed to maintain compliance with Colorado Primary Drinking Water Regulations (CPDWR) or to meet new requirements
- This system is currently meeting all CPDWR's

Median Household Income: please select the range that most accurately reflects the MHI for the service area of the community

- < 50% of State MHI
- Between 51% and 80% of State MHI
- Between 81% and 100% of State MHI
- > 100% of State MHI

State of Colorado estimated MHI of \$68,811:

Reference: American Community Survey data for 2014-2018;

Source: <https://www.census.gov/acs/www/>

Additional map resources: <http://dola.colorado.gov/gis-cms/content/map-gallery>

Is the system planning on financing any infrastructure improvement needs with sources other than DWRP?

Does the System intend to finance any infrastructure improvement needs through the DWRP within the next 12-18 months?

Has a Project Needs Assessment (PNA), Preliminary Engineering Report (PER) or other comprehensive planning document been developed for these improvements?

Describe the type of document that has been developed?

What is your earliest anticipated construction start date? (MM/YYYY, If unknown or no date established, please enter "Unknown" or "TBD")

01/2021

Capital Improvement Needs

Check each box that applies to the system's 20-year capital improvement needs, existing or anticipated, and provide an estimated cost for each component.

		Estimated Cost
<input type="checkbox"/>	Construction of a new water treatment facility.	\$
<input checked="" type="checkbox"/>	Improvement or expansion of existing water treatment plant.	\$ 2,000,000.00
<input type="checkbox"/>	Consolidation of water treatment facilities that includes the abandonment of one (or more) water treatment facility and connection to an existing or new facility.	\$
<input type="checkbox"/>	Connection of an area served by individual wells, to a new or existing water treatment plant.	\$
<input checked="" type="checkbox"/>	Construction or rehabilitation of distribution and/or transmission lines, including water pump stations for maintaining pressure (without booster chlorination).	\$ 2,100,000.00
<input checked="" type="checkbox"/>	Water storage facilities: new, or improvements to, treated/finished water storage tanks. Raw water storage and associated infrastructure is not eligible.	\$ 800,000.00
<input checked="" type="checkbox"/>	Water supply facilities. Examples include but are not limited to: source water wells, well improvements, surface water intakes.	\$ 1,000,000.00
<input type="checkbox"/>	Water Rights: acquisition or purchase of. Must address public health protection objectives of the Safe Drinking Water Act, providing existing population with rights to reliable, safe drinking water supplies (not for population growth).	\$
<input checked="" type="checkbox"/>	Water meters.	\$ 200,000.00

<input type="checkbox"/>	Source water protection plan: identification and implementation of Best Management Practices; may include Land Acquisition; project establishes protective zones; project addresses vulnerabilities; etc.	\$
<input type="checkbox"/>	Green Infrastructure: water or energy efficiency improvements, or other environmentally innovative projects. (Please describe your green project below.)	\$
	Grand Total – all items checked above:	\$ 6,100,000.00

The above capital improvement activities, and associated appurtenance, are considered eligible for funding through the Drinking Water Revolving Fund program. For a listing of ineligible activities, please refer to the 2018 DWRF Intended Use Plan, which can be accessed from the Grants and Loans Unit website at: <https://www.colorado.gov/pacific/cdphe/wq-low-interest-loans>.

Additional comments: in the following section, describe any existing, anticipated water quality, or public health problems related to infrastructure improvements for the community/system. You may also use this section to provide additional project specific information not already provided elsewhere. Please limit to 2,000 characters or less.