(V) Elbridge - (T) Elbridge - (V) Jordan Joint Water System Improvements Project

Public Information Meeting
Village of Jordan Library
June 14, 2021
Barton & Loguidice, D.P.C.

Taylor Bottar, P.E.           Jessica Martinez, I.E.
Alex Hess, I.E.
Agenda

- Background
- Capital Improvements Project
- Funding Analysis
- Schedule
- Project Status
- Questions
Background

• Existing Infrastructure Concerns
  • Aging Water Mains
  • Under-sized Water Mains
  • Chlorine Residual

• Resource Limitations

• 50-year Plan
Base
• Improvements to existing infrastructure including water main, valves and hydrants

Source
• Improvements to City of Syracuse connection, third conduit connection
• 0.4 MG Standpipe at UV Facility
• Pump Station at UV Facility
• 0.2 MG Elevated Tank at Upper Reservoir Site
• Upgrade Pump Station at Upper Reservoir Site (Hamilton Rd)
• Strategic replacement of 6” main to 8”, 12” main

Extension
• Extend public water system to Champions Mobile Home Park
• Address documented water quality violations
Replacement of aging water mains and strategic upsizing for system improvements.

- Blue – Existing Water Main
- Red – Proposed Water Main Replacement
Concrete Ground Storage Tank
Elevated Water Storage Tank and Pump Station
Funding Analysis

• Joint Water Project Cost Estimate
  • Base $5.7M
  • Champions $0.5M
  • Source $12.9M
  Total $19.1M

• Estimated User Cost = Debt Service + Water Purchase + O&M
  • Debt Service $351
  • Water Purchase $6
  • LT2/UV O&M $22
  • O&M $126*
  Total $505/unit

*Based on a consolidated water department
### Funding Analysis

- **(V)** Jordan – qualified for 0% hardship interest rate, $3 million dollar grant awarded
- **(V), (T)** Elbridge – qualified for subsidized interest rate
  - 66.7% of AAA market rate
  - To apply for additional grant funding (WIIA)

<table>
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<tr>
<th>Project #</th>
<th>County</th>
<th>System Name/Borrower</th>
<th>Description</th>
<th>Pop.</th>
<th>Project Cost</th>
<th>Score</th>
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<td>18721</td>
<td>Onondaga</td>
<td>JORDAN VILLAGE / Jordan (V)</td>
<td>Village's share of Elbridge (V) / Elbridge (T) / Jordan (V) Joint Water System Upgrades. Related to Project Ncs. 18719 &amp; 18720 . Upgrade Storage, Upgrade Distribution System, New System Consolidation</td>
<td>1,406</td>
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<td>ELRIDGE (T) / Elbridge (T)</td>
<td>Town's share of Elbridge (V) / Elbridge (T) / Jordan (V) Joint Water System Upgrades. Related to Project Ncs. 18720 &amp; 18721 . Upgrade Storage, Upgrade Distribution System, New System Consolidation</td>
<td>1,000</td>
<td>$5,075,477</td>
<td>130</td>
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</tbody>
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*Hardship Funding Line: 120 points*
Schedule

December 2019
DWSRF Project Listing

Spring to Fall 2020
Project Development

March 2022
Award Bids

November 2020
Water District Public Hearings

May 2022
Construction Starts

October 2023
Construction Completion

March 2021
Submit DWSRF funding application (Awaiting Finalization)

February 2022
Bidding Phase

December 2020
IMA, SEQR Completion

May 2021
Bond Resolution Completion

December 2021
Submit Project Plans and Specifications for Review
Project Status

• Preliminary Design Phase
  • Survey of existing utilities
  • Hydraulic model of water system
Discussion and Questions
The experience to
listen
The power to
solve
BartonandLoguidice.com