Town of Sunman Indiana Water System
Preliminary Engineering Report

SRF PRELIMINARY ENGINEERING REPORT
PUBLIC HEARING

April 17, 2025 – 6:00 PM

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Agenda

1. Introduction & Background
2. Need for Project
3. Review of Alternatives
4. Recommended Project
5. Cost Estimate & Funding Options
6. Schedule
7. Questions

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Introduction/Project Background

- The town water system added treatment/filtering in the early 1980's meaning most of the water plant is over 40 years old.
- The town provides 105,000 – 110,000 gallons per day (gpd) on an annual average. The peak days experienced are approximately 190,000 – 200,000 gpd. 200,000 gpd equates to 140 gallons per minute (GPM).
- The system has 3 wells and 2 elevated tanks.
- The distribution system has +/- 65,000' of 2-10 inch pipe.
- Preliminary Engineering Report (PER) required for Indiana Finance Authority's State Revolving Loan Fund (SRF) funding.

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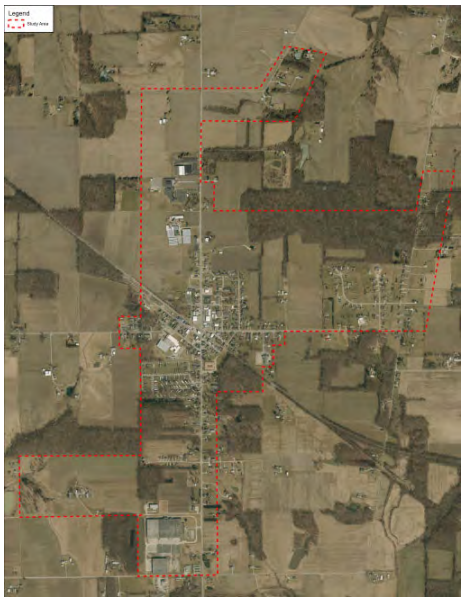
Study Area



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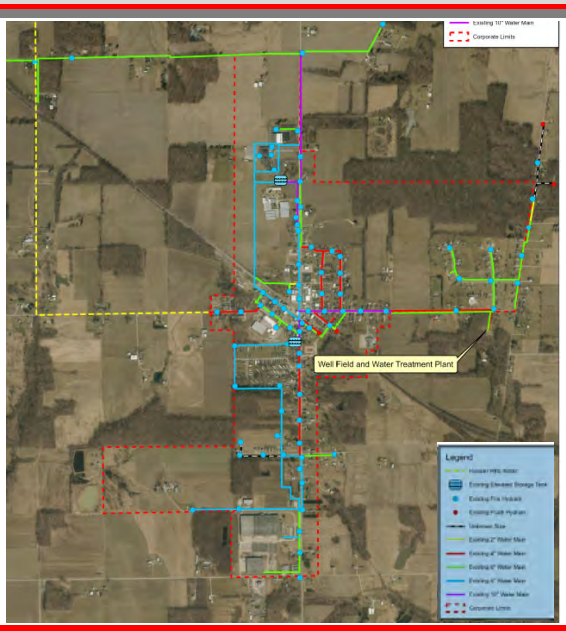
Existing Water System Map



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Existing Wells & Treatment Plant

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Need for Project

- Water Supply & Treatment
  - The pumping capacity of the 3 wells have degraded over the years and therefore do not provide their rated capacity. The pumps and wells have significant depreciation due to age.
  - The treatment unit (Aerelater) rated at 275 gallons per minute (GPM) equates to 396,000 gpd. It has experienced leakage from the tank and has been repaired on numerous occasions.
  - The high service pumps and valves have significant depreciation and experience failures and downtime.
  - The motor control center and control panels are significantly depreciated. Failures are occurring and replacement parts are an issue.
  - The backup generator failed and is inoperable. A unit has been loaned to the town on an interim basis.

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Need for Project (Cont.)

- Storage & Distribution
  - The existing 75,000 gallon and 200,000 gallon tanks have paint failures and require new coating systems.
  - 22 services in the system were designated as galvanized and 4 were unknown during the inventory. These will need to be addressed as a part of the lead service line rule.
  - The distribution system has several dead-end mains and other areas with mains less than 6-inch. Pressure issues have not been a customer complaint.

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Review of Alternatives – Treatment/Wells

- All Alternatives include Replacement of Package Treatment, High Service Pumps, Controls and Generator.
- Alternative No. 1 – Rehab Wells 4A, 5 & 6, Replace Pumps 5 & 6, and treatment unit in a building addition.
- Alternative No. 2 - Rehab Wells 4A, 5 & 6, Replace Pumps 5 & 6, and treatment unit in existing building. Maintain treatment with purchased water.
- Alternative No. 3 – No Action

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Review of Alternatives – Wells/Treatment Alt #1

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Review of Alternatives – Wells/Treatment Alt #2

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Review of Alternatives – Storage

- Alternative No. 1 – Rehabilitate 200,000 and 75,000 gallon tanks.
- Alternative No. 2 - Rehabilitate 200,000 gallon tank and replace 75,000 gallon tank.
- Alternative No. 3 – No Action

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Review of Alternatives – Storage Photos

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Review of Alternatives – Distribution System

- Alternative No. 1 – Replacement of Lead/Galvanized Service Lines
- Alternative No. 2 – Replacement of Undersized Water Mains
- Alternative No. 3 – No Action

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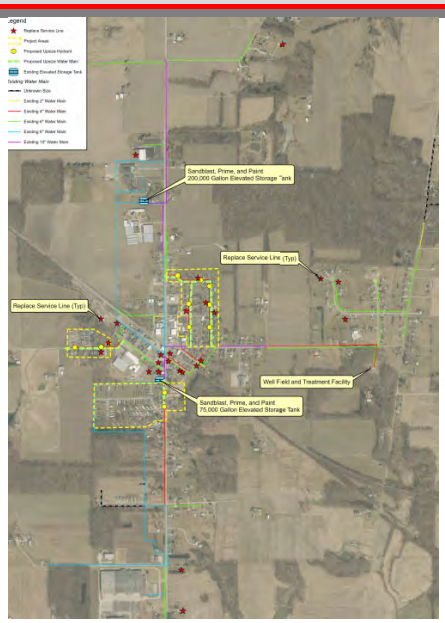
Review of Alternatives – Distribution Alternatives #1 & #2



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Recommended Project

- Wells/Treatment Alternative No. 1 – Rehab Wells 4A, 5 & 6, Replace Pumps 5 & 6, and treatment unit in a building addition. Including replacement of Package Treatment (Aerelater), High Service Pumps, Controls and Generator.

- Storage Alternative No. 1 – Rehabilitate 200,000 and 75,000 gallon tanks.

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Recommended Project – Wells/Treatment Graphic

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Elevated Tank Recommended Project Graphic

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Recommended Project Cost Estimate

- Estimated Construction Cost
  - Construction Costs - $ 2,174,000
  - Contingency (10%) - $ 218,000
  - **Subtotal Construction - $ 2,392,000**
- Estimated Non-Construction Cost
  - **Subtotal Non-Construction - $ 608,000**
    (Approximately 25%)
- **Total Capital Cost Estimate -$3,000,000**

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Project Financing/Implementation

- Anticipated to be funded in part from State Revolving Fund (SRF) Loan
  - Low Interest Loan (~2.0 - 2.5%)
  - 20 Year Term Typical (35 year term allowed for underground piping)
  - Forgivable Loans/Grants Possible
- Apply for Indiana Office of Community & Rural Affairs Grant for a portion of the financing.

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Estimated Schedule & Next Steps

Description	Target Completion Date
Preliminary Engineering Report (PER) Submittal	April 2025
SRF FY 2026 PPL Issued	July 1, 2025
Design & Plan Development	January 2026 – May 2026 (Flexible - *)
Submit Construction Permits	April 2026
Advertise, Bid & Contract Award	June 2026 – September 2026
Close SRF Loan & Begin Construction	September 2026
End Construction	October 2027

* Actual Dates to Begin Engineering Phase of Project Can be accelerated if desired & OCRA grant pursued

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QUESTIONS

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