# Town of Oneonta

# Southside Water Project

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# Introductions

**Town of Oneonta:**

Robert T. Wood, Supervisor

**Young, Sommer, LLC.:**

Robert Panasci, Esq., Young, Sommer, LLC.

**Lamont Engineers:**

Francois Vedier, P.E., Principal Engineer

Jodie Serowski, P.E., Project Manager

Judy Pangman, Sr. Planner

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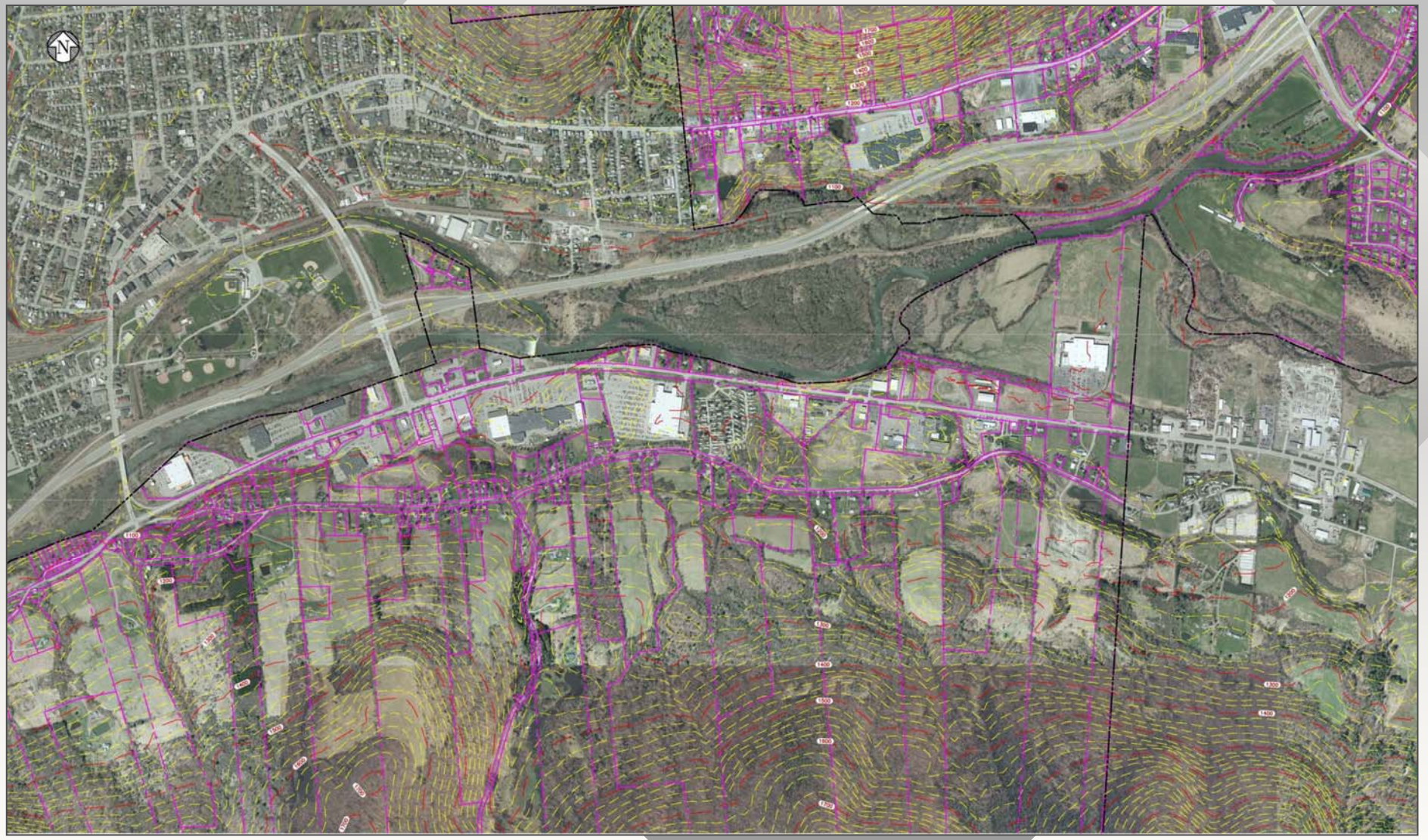

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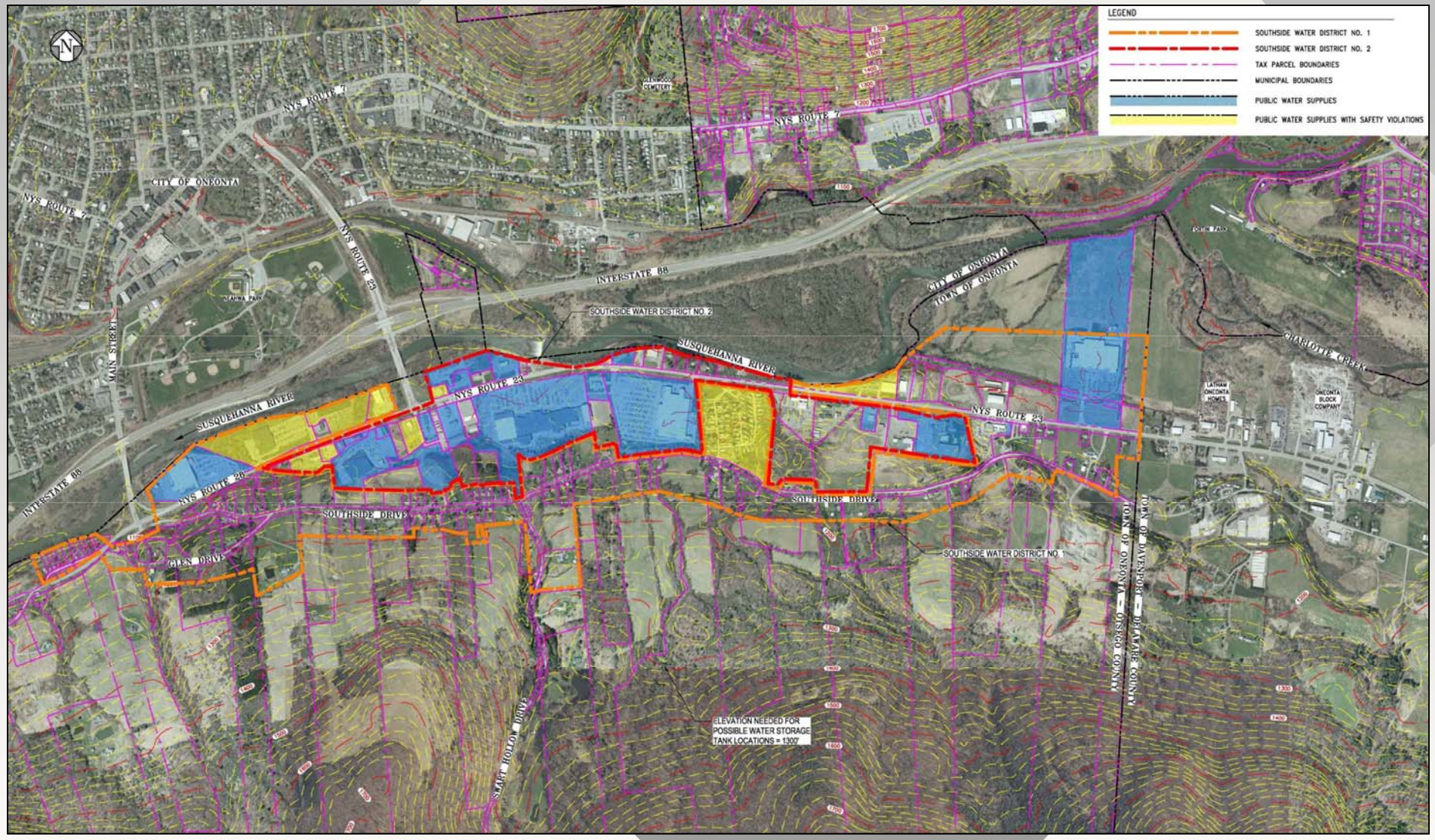
# Study Service Area

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# Public Water Supplies and Water Quality Issues

# Need for the Project

- In 2007, NYSDOH advised the Town Board of their "concern over the growing number (27!) of small, privately-owned public water systems that exist in this relatively concentrated area." They suggested that the Town consider a municipal water system to serve the Southside area.
- NYSDOH Oneonta office has received several water capacity complaints over the years from residents along Southside Drive.
- Fire protection is not currently available for all properties in the area.

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# Need for the Project

Water Quality Issues for the 27 public water supplies in the Southside area:

- Since 2000, there have been 79 coliform sampling violations, 18 chemical sampling violations, and 84 operational violations.
- Of the 27 public water systems, all but 2 have had violations since 2000.
- 16 boil water orders have been issued since 2002, totaling over 390 days.
- Several public water systems have installed disinfection due to coliform bacteria.
- Several wells flooded in 2006.

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# Need for the Project

Water Quality Issues for the 27 public water supplies in the Southside area (cont'd.):

- Iron bacteria has been a problem for at least one public water system.
- In 1999, approx. 200 gallons of kerosene spilled at one of the mobile homes. The water supply well for the mobile home park had detections of Benzene, 1,2,4-Trimethylbenene, and Toluene.
- Very few of the public water supplies have redundancy of sources and treatment.
- Almost all of the public water supplies do not provide adequate contact time to meet Groundwater Rule 40 CFR Parts 9, 141, and 142.

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# Benefits of a Municipal Water System

- ✓ Allows for best and most efficient use of water sources
- ✓ Reduced costs
- ✓ Supports qualified operators and managers
- ✓ Reduced water quality monitoring costs
- ✓ Provides improved emergency response (backup water sources, etc.)
- ✓ Eligible for state and federal funding

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# Proposed Project

## Project Elements

- Two (2) Wells at Fortin Park
- Well Control Building
- Transmission main from Fortin Park to Route 23 near Lowes
- Storage Tank for fire protection and storage
- Five (5) miles distribution piping along Route 23 and Old Southside Drive
- New Water Meters for all users

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# Proposed Water Districts

The proposed water project was split into two (2) proposed water districts to optimize available state and federal funding for each district:

### Southside Water District 1:

Includes residential properties along Southside Drive, mobile home park, and some of the commercials along NYS Route 23.

### Southside Water District 2:

Includes most of the commercial properties along NYS Route 23 with a few residential properties.

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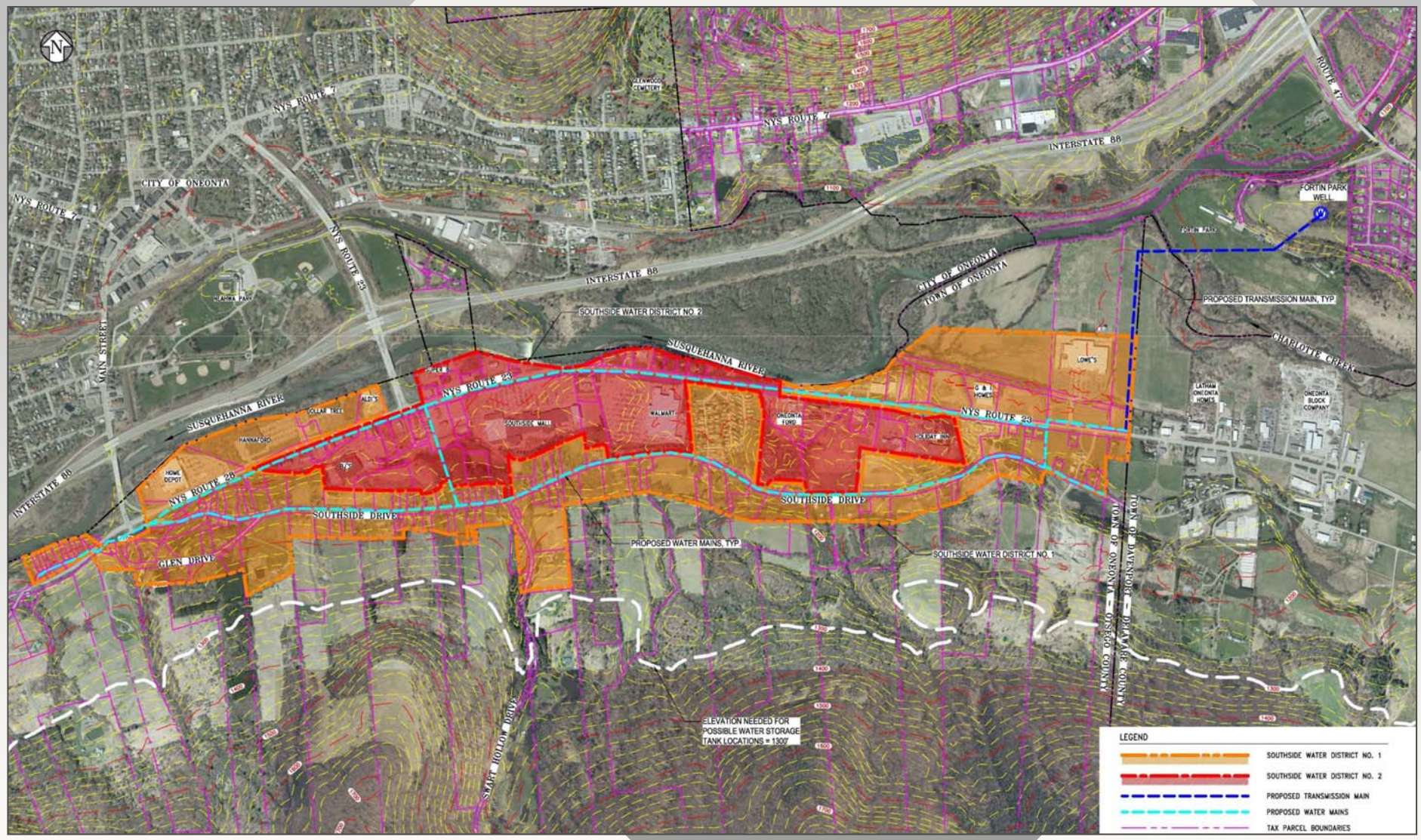


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# Water Districts #1 and #2

# Estimated Project Costs

**Total Annual Cost per typical Household = $450 to $500** (depending on total funding received). Includes debt repayment AND Operation and Maintenance (O&M) Costs.

**Typical Household Annual Costs** are based on *Equivalent Dwelling Units (EDU)* in which 1 EDU = 260 gallons per day.

**Commercial Costs** are based on water use converted to the number of EDUs, or x gallons per day ÷ 260 gallons per day; for example, a business using 1,000 gallons per day = 4 EDUs.

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# Estimated Project Costs

## Total Project Cost: $8.8 Million

Total Annual Operation and Maintenance Cost: $68,000

O&M cost includes:

- Pumping
- Chlorination
- System Maintenance
- Personnel
- Administrative Costs
- Billing
- Equipment Replacement

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# Funding Assistance

**Funding Commitments received:**

Otsego County: $100,000 loan

Empire State Development: $500,000 grant

**Eligible for State and Federal Funding:**

**District 1:**

USDA Rural Development: $750,000 grant

NYSEFC DWSRF: $2M Grant and 30 year loan @ 0%

**District 2:**

USDA Rural Development: 38 year loan @ 3.5%

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# Funding Assistance

**Other Funding that will be applied for:**

District 1:

Community Development Block Grant (CDBG): $600,000 grant

Appalachian Regional Commission: $150,000 grant

## Connections

- Property owners responsible for connection from building to the edge of the right-of-way or easement.
- Town will apply for CDBG funds to assist low income households (non-low income households may also receive some assistance).

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# City Proposal

## City of Oneonta offer:

- Town pays for upgrade of Catella Park Well = $600,000
- Town pays for transmission main under I88 and Susquehanna = $1,000,000
- City provides water @ $2.43/1000 gallons plus debt repayment for improvements

## Advantages:

- Town would save cost of Fortin Park well and transmission main = $1,190,000
- Town would save 2/3 of O&M cost of $68,000/year = $23,000/year remaining

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# City Proposal

**To obtain water from City of Oneonta**

Difference in Capital Cost = + $41,000

Difference in O&M Cost = +109,000/year

**Total difference = Increase of $180/year/EDU**

**(for a total of $630 to $680/year/EDU)**

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# Next Steps

## What are the next steps?

- District Creation
- Full Funding Applications
- Permits and Approvals
- Design & Bidding

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# Questions?

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