CITY OF NEW AUBURN

WASTEWATER TREATMENT PONDS - SPRAY IRRIGATION
SANITARY SEWER AND STORM SEWER SYSTEMS
WATER MAIN DISTRIBUTION, HYDRANTS AND WATER METERS

What is needed?

- Major improvements to the wastewater ponds, spray irrigation and sanitary sewer systems.
- Storm sewer additions to better drain areas of the community.
- Water system improvements for improved water quality, water flow, fire protection and water accountability.

Why are wastewater ponds, spray irrigation and sanitary sewer system improvements needed?

- Treatment ponds are aged and undersized for current flows.
- Spray irrigation field is often overloaded in violation of current NPDES permit.
- Cost evaluation to connect to another City shows 20-25% higher capital costs and higher operations & maintenance cost.
- Main lift station and force main to treatment ponds is severely aged with deteriorating flow capacity and in jeopardy of failure.
- Leaking sanitary sewer manholes and sewer lines allow Inflow & infiltration (I&I) of excess ground water into the sanitary sewer system causing lift station capacity issues and bypass events during wet periods and heavy rain events.
- Collapsing sewer lines with sags, etc., contributing to raw sewage bypass events.

Why are the storm sewer system and water main distribution system improvements needed?

- Storm sewer improvements needed due to failing/collapsing of current storm drain tile system.
- Undersized existing tile drains don’t accommodate average and higher rainfall events.
- Needed to alleviate flooding of personal property and to remove excess surface water to help reduce inflow & infiltration (I&I) into the sanitary sewer system.
- Water main size improvements and additional water main looping needed for better water flow and quality to certain parts of the community.
- Modern water meters needed for meter readings accuracy, water usage accountability, leak identification and labor savings.

Potential Funding Package

Funding Package	Amount
Bonding Bill Request	$6,000,000
PFA / USDA *(Will be determined with PER submittal)*	$?
City Rates *(Will be determined with PER submittal)*	$?
Total Project Cost	$12,000,000

Preliminary Engineering Report (PER) nearing completion and submittal

Positive Outcomes

- Wastewater pond and spray irrigation capacity for the current and future.
- Stop over application permit violations of wastewater spray irrigation field.
- Improve sanitary sewer system and lift station capacity for conveyance of sanitary sewer flows through-out the community and to treatment ponds.
- High Island Lake preservation and protection.
- NPDES (MPCA) permit compliance.
- Protecting properties from flooding damage.
- Better fire protection and drinking water quality.
- Accurate water usage accountability.