

HF468 Harder

CITY OF NEW AUBURN (Pop 415)

WASTEWATER TREATMENT PONDS - SPRAY IRRIGATION - SANITARY SEWER AND STORM SEWER 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 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.
- 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.
- Cost evaluation to connect to another City shows 20-25% higher capital costs and higher operations & maintenance cost.

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.

Current Water & Sewer Rates and Median Household Income

- Sewer Rates - \$40.96 base minimum (includes the 1st 2,000 gal), then \$20.48 per 1,000 gal.
- Water Rates - \$37.48 base minimum (includes the 1st 2,000 gal) then \$18.74 per 1,000 gal.
- Example – 2-person household (example elderly) monthly bill – Based on 3,000 gal usage would be \$61.44 sewer charge and \$56.22 water charge = total monthly bill of \$117.66 plus tax.
- Example – 4-person household (example 2-adults with 2-children) monthly bill – Based on 8,000 gal would be \$163.84 sewer charge and \$149.92 water charge = total monthly bill of \$313.76 plus tax.
- New Auburn Median Household Income - \$34,625

PPL Ranking and USDA –RD Funding

- Clean Water PPL ranking for our Wastewater Treatment & Collection Improvements
#89 of 276
- Our Drinking Water PPL ranking for :
 - Water Main Improvements #39 of 674
 - Water Tower Improvements #149 of 674
 - Water Meter Replacement #150 of 674
- No Storm sewer improvements are eligible
- We have invested over \$125,000 in a Preliminary Engineering Report (PER) for our USDA-RD application. We have “Notice of Eligibility” & our project has been transferred to RD Underwriting for “Processing”.

Funding Package

Wastewater Treatment Ponds	\$7,500,000
Wastewater Collection / Lift Station	\$4,200,000
Water	\$1,300,000
Storm Sewer	\$4,700,000
Local City Cost (Non-Eligible Cost)	\$ 600,000
Total Project Cost	\$18,300,000
Bonding Bill Request	\$9,000,000
USDA-RD Possible (Final funding determined by USDA)	\$8,700,000
City Costs	\$ 600,000

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.