



Oakridge Water District

October 1, 2020 – Zoom Meeting

Meeting Agenda

- Oakridge Water District Committee
- NYSEG – PR 455 Circuit
- Operations & Maintenance
- Financials
- THM project and funding/grant
- Short Term and Long Term plans
- Communications & Notifications process

Oakridge Water District Committee

- For regular ongoing communications, updates, transparency
- Includes
 - Residential: Erica Agro, Jeff Holbrook, Robin Gersten
 - Commercial: Phil Pine
 - Property Manager: Mike Lombardo
 - Town of Lewisboro
 - Tony Gonçalves, Councilman
 - Peter Parsons, Supervisor
 - Joel Smith, Facilities Director

NYSEG – PR 455 Circuit

- Recording equipment installed on 9/3 (at Water Plant and VFD)
- Recloser adjustments made on 8/25 to reduce sensitivity ➔ let's continue to monitor & log
- Tree trimming along the PR 455 Circuit completed in August
- NYSEG Resiliency team will make significant upgrades starting in the Spring of 2021
 - NYSEG will follow-up with more detail on above upgrades

Plant Operations & Maintenance

- 5 Wells are used to source water
- System flushing typically performed 2x per year
 - Consider 4x per year
- Chemical systems coupled with SCADA control system in use to mitigate
 - THMs
 - Iron & Manganese
 - PH value
 - Bacteria, etc.
- Water tested daily at entry point to distribution
 - Verification of clarity
 - Verification of proper removal of contaminants

Plant Operations & Maintenance, cont'd

- Oakridge WTP Inspection & Maintenance plan
- System flushing
 - Due to multiple reports of discoloration on 8/17 system was flushed on 8/25 and again on 9/16
 - Booster pump issues caused degraded flushing rate in past resulting in sediment buildup & inability to scour the inside of the mains
 - Now able to flush at >750 GPM by using both; booster pumps & the jockey pump, to achieve the scouring velocity
 - Dead ends of water distribution will require flushing hydrants
 - Propose installation of manually operated flushing hydrant
 - Starting process to obtain bids
 - Future: decide if looping or automatic flushing valves are needed

Financials

- P&L results available for 2019 & 2020
- 2020 Adopted budget
 - Oakridge water is on p.37.
- OWD has two Bond Anticipation Notes (BANs) outstanding.
 - The first one issued in 2003 has \$574,000 remaining and matures in 2043.
 - The second one issued in 2019 with \$482,500 outstanding matures in 2059
 - Issue in conjunction with the WIIA grant of \$289,500.
 - Both re-price annually and their current interest rate is 1.15%.

Trihalomethane (THM) project and funding/grant

- THMs were found in small amounts in the water in 2016
- THMs had been removed but upgrades needed to ensure THMs would not recur and required by state regulations
- Town Board authorized bonding for \$482.5K
 - Pre-requisite for Water Infrastructure Improvement Act (WIIA) Grant
 - Initial grant application rejected in December 2018, re-applied in 2019 and received grant approval in December 2019

Trihalomethane (THM) project and funding/grant, cont'd

Improvement	Proposed Cost	Total disbursed	Status	Notes
Water Tank TTHM Treatment (Aeration)	\$179,000		In process, working with WCHD	
SCADA Upgrades	\$111,000	\$146,193	Completed	Is some of contingency amount included in disbursed?
Chemical Feed System	\$48,500		In process	
GAC Filters	\$32,000		TBD	Requires facility expansion for 100% of capacity, but TBD if needed since tank aeration will reduce the precursors for production of THMs as well as oxidize the THMs formed.
Engineering	\$56,000	\$81,205		
Contingency amount	\$56,000			
Total	\$482,500	\$227,398		
Additional notes from Leo				
Avanti contract - Left to pay		\$5,967.17		Not yet disbursed
Black contract - Left to pay		\$5,075.00		Not yet disbursed

Short Term and Long Term plans

- Short Term
 - More frequent system flushes, i.e quarterly
 - Installation of manually operation flushing hydrants in deadends
 - Tank aeration
- Long Term
 - Automatic flush hydrants on dead-end loops (if needed)
 - Alternative water source to well water, i.e. discussion with Aquarion Water
 - Delaware Engineering improvement suggestions - Review

Communications & Notifications process

- Email lists & Posted Flyers
 - Laurel Ridge, Oakridge, Conant Valley communities
 - VRI posts flyers for plant specific events
- NY Alert – <https://alert.ny.gov/>
 - Currently used by VRI for Waste-Water alerts
 - Propose use for Water District alerts – promote alert w/ Lewisboro option
 - <https://www.lewisborogov.com/emc/page/public-notification-system>
- Town of Lewisboro Community Email
 - <https://www.lewisborogov.com/newsletter/subscriptions>
- Town Website
 - News & Announcements on main page
 - District specific page: <https://www.lewisborogov.com/maintenance/page/oakridge-watersewer-district>