

Saline Water Distribution - System Status Report



Report Updated 12/10 /2021

| Process/Resource | Status | Timeline |
|---|--------|----------------|
| System Assets/CIP | Green | 9 to 22 months |
| <p>Comments:</p> <p>Green - Michigan Avenue water main lining project scheduled for Spring 2022.</p> <p>Green - Water main replacement on Marlpool, Forestbrooke currently in final design stages, targeting March 2022 bidding.</p> <p>Green - Eastbelt (Maple Avenue) water main replacement scheduled to start September 2022.</p> | | |
| General Maintenance | Yellow | Ongoing |
| <p>Comments:</p> <p>Yellow - Dead-end flushing to recommence January 2021.</p> <p>Yellow - Council approved a valve turning and maintenance program (December 6). Two year project with additional valve repair anticipated for FY23 and FY24.</p> <p>Yellow - Staff is researching and presenting alternatives for an AMI meter system.</p> | | |
| Mapping/GIS | Yellow | 6 to 18 months |
| <p>Comments:</p> <p>Green - General system data populated and accessible.</p> <p>Yellow - Valve status is incomplete, valve contract includes populating data into ESRI system.</p> <p>Green - GIS mapping and data collection deployed for hydrant flushing, now a part of regular operations.</p> <p>Yellow - Staff considering options for incorporating as-built information into GIS system.</p> | | |

Status Key

Red: Not operating to design standards; significant improvement/repairs needed

Yellow: Operating, but not to optimal standards; issue has been identified and/or plan is in place

Green: Operating as designed

| Equipment/Process/Resource | Status | Timeline |
|--|--------|----------------|
| Studies and Modeling | Yellow | 4 to 12 months |
| Comments: Green - Council approved new Water Reliability Study and hydraulic modeling (December 6) for FY22. Last model completed FY16/17. Green - Risk and Resiliency Assessment in progress. Yellow - Criticality assessment needed to determine chance of failure for older lines. | | |
| Other Technology | Yellow | 9 to 12 months |
| Comments: Yellow - Staff identifying alternatives for work order system. Yellow - Targeting new customer portal for utility billing as part of AMI water meter project; other alternatives to improve utility user communications and alerts will need to be considered if AMI change out is not approved. | | |
| Water Quality | Yellow | Ongoing |
| Comments: Green - Currently in compliance with state testing standards for all plant and distribution system requirements including lead and bacteria. Green - Advanced lead and bacteria testing now available for private residents through partnership with WCHD. Yellow - Month over month resident discoloration complaints trending downward but still higher than normal. Eighteen unique complaints received to-date in December. | | |
| Additional Comments Recent main breaks: <ul style="list-style-type: none"> December 6 - N Harris Street two breaks within 200 feet. One weather related one pressure related. Last hydrant flush: October 2021 Next planned flush: May 2022 Annual Water Quality Report: https://tinyurl.com/fdc5azvj | | |

Status Key

Red: Not operating to design standards; significant improvement/repairs needed

Yellow: Operating, but not to optimal standards; issue has been identified and/or plan is in place

Green: Operating as designed