PROJECT UPDATE

Active Projects:

Green: Completed this month. Yellow: Work has occurred this month. No Color: No work undertaken this month

Project	Objective	Status – November 2024
1. Replace Operations Control Electronics for the Water Plant	Replace the computer electronics that allow the Operator to control the plant, secure that control function behind a firewall so as to minimize the risk of being hacked and update the software to comply with state reporting requirement. The primary control-interface panel broke several years ago and was not replaced and the "redundant" windows 7 computer is so antiquated that the vendor will not support the version of the software that is running on it. The software currently running does not comply with state requirements. This project is absolutely critical!	JUST COMPLETED 1) All electrical computer components have been installed and are operational. 2) Alarms are being broadcast via email to staff mobile device. 3) Staff can remotely access water plant from the Sanitary plant and from mobile device. The plant is being run on the new systems and secured with the new firewall.
2. Replace Webb Lift Station	The Webb Lift Station, which is long past its serviceable life, is the final link in the sewer system that collects and sends all wastewater to the sanitary plant. This project will replace the building itself and all major components including pumps, controls, generator. The new lift station will provide more capacity to: a) support community growth, and b) allow more rainwater to enter the system as underground pipes age. This project is absolutely critical!	IN PROGESS Construction of the lift station continues to be ahead of schedule – Project paused awaiting parts delivery expected after the holidays. Snapshots of the progress can be viewed on the District's web site (www.archcapewater.org and click on News & Updates) or click on this link. Click here
3. Upgrade & Bring Current the Business/ Admin Computer and Data System	Provide a standard, viable and secure Information Technology environment (computing, data, security and remote help support) that will run the Districts' business functions and give authorized access to the Districts' information.	IN PROGRESS All computer systems at the Sanitary Plant, administrative and operational, are now behind a firewall. The final task is replacing the previous vendor's wifi equipment with the District's

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		own to avoid the ongoing cost and placing the wifi access behind the firewall.
4. Find, Compile, Electronically Store and Provide Access to Required Business Documents	Find, pull together, electronically store/archive and provide secure access to the District documents , e.g., contracts, ordinances, resolutions, minutes, etc. that are required by state law and rules to be maintained	AS TIME ALLOWS Review of existing electronic files is still underway for ordinances, resolutions, contracts, etc. The next step will be to create and implement a file management schema and procedures so that all computers will pull from and update the same documents. Implementing and populating this system will be a long-term task, given everything else that needs to be done.
5. Implement an Asset Management System	This project is to use newly purchased software to identify and track the Districts' plant & equipment maintenance requirements, generate work orders, monitor their completion and provide Management Reporting to the Boards	IN PROGRESS Developing management reports to use work order data to monitor plant & operations status.
6. Upgrade & Bring Current the Districts' Web Site	This project is to migrate the current web site information to a platform that is more easily managed, supported and can be easily expanded with additional information and functions	COMPLETED
7. Inspect Water Lines for Lead	Federal mandate to inspect all lines that distribute water to meters to determine whether those lines contain lead	COMPLETED
8. Corrosion in Water Plant	The water plant was designed with fans to vent the marine air and the chlorine gas that is used to purify the water. Both of these elements, chlorine and marine air, are corrosive to metal components in mechanical valves, electrical circuits, etc. As it turns out, since the new plant was brought on-line 10 years ago, the fans have never been run and as such have themselves started to corrode. Furthermore, when a valve would begin to corrode, rather than replacing it, the corroded value would just be swapped for another valve in the plant that is less corroded.	IN PROGRESS All ceiling fans are operational and have been wired into an automated control process. An additional fan is being installed at floor level to remove chlorine gas as it is heavier than air. As time/resources allow, all componentry, pipes and fittings will be scrubbed back down to the original bare metal and restored to new like condition

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		in order to establish a clean baseline Repair of the critical circuity in the fuse panel will be repaired later this fiscal year or early next fiscal year as budget allows.
9. Replace Operations Control Electronics for the Sanitary Plant	Replace the computer electronics that allow the Operator to control the plant, secure that control function behind the recently installed firewall so as to minimize the risk of being hacked. The primary control-interface panel broke several years ago and was not replaced and the current computer has reached the end of its lifecycle.	IN PROGRESS Sanitary Board approved proposal from vendor. Replacement will start in January - February.
10. Move Asbury Creek Intake	State mandated project to improve Asbury Creek conditions in order to encourage fish passage. Completion date: Fall 2027. District must move, 200 feet upstream, the point at which we take water from Asbury Creek. Once that is done, the State will remove/ replace the culvert under highway 101 with a bridge. District will then replace/ reroute current in-ground water main with one that is attached to the undercarriage of the bridge. Click here to see project description	IN PROGRESS Click here to see project plan