

Public Works Department

Accomplishments since June 2023

Under the direction of Valerie Mundy, P.E.

1. Prepared Public Works Hurricane Plan and Standard Operating Procedure
2. Began Public Works asset inventory. Work included location of all equipment and vehicles used in the operation of the water, sewer, and storm utilities. In the process of identifying all warranties.
3. Emergency Standby Generators for lift stations, water wells and public safety building
 - a. Identified generators that were not working – see report.
 - i. Campusview – Not connected.
 - ii. Denton Johnson generator for water wells - malfunctioning
 - iii. Vereen Lift Station – no generator
 - iv. Public Safety (2) generators - 1 out of service and 1 undersized
 - b. Developed and executed a plan to relocate generators to maximize assets.
 - i. Prepared plans for generator pads, safety fences and electrical connections.
 - ii. Executed relocation, installation, and commissioning plan.
 - c. Improved operation and maintenance of generators (many generators were not inspected since 2022)
 - i. Worked closely with maintenance vendor (Detroit Diesel) to re-establish regular inspections and new maintenance contract.
 - ii. Trained public works staff (Silas and Pitts) to perform weekly and monthly generator inspections and monitor vendor.
 - d. Created Standard Operating Procedures for Emergency Generators
 - i. Developed checklists for crews.
 - ii. Crews enjoyed learning more skills.
4. FDEP Consent Order
 - a. Identified problem/examined Consent Order
 - b. Met with FDEP to maintain communication.
 - c. Responded to consent order deadlines.

- d. Avoided paying \$13k penalty with alternate pollution prevention project. Used the generator relocation project to avoid penalty. Received preliminary FDEP approval.
 - e. Worked with water operator vendor (Biometrics) to ensure testing schedule and reporting schedule back to FDEP.
- 5. Water Distribution System Engineering and Maintenance
 - a. Worked with engineering consultants: CPH to finalize the 10-Year Water Supply Facilities Work Plan.
 - b. Identified West Water Tower maintenance agreement that was executed in February 2022. The work for this agreement was never performed.
 - c. Evaluated ability to take water tower offline for maintenance. Confirmed fire flow requirements and demands during the 120 days while water tower was down. New developments of Lake Weston and Enclave coming online during this period are included in this evaluation.
 - d. Distributed Consumer Customer Report to all water customers and reported that information to the FDEP in a timely manner.
- 6. Water meters and customer requirements
 - a. Worked with water meter equipment company to understand the new meter reading and reporting system.
 - b. Worked with customers to understand and explain their new bills and leak observations.
 - c. Offered information to customers on Orange County's water bill subsidy program (LIHAP). Notified customers of the Sept 30 deadline.
 - d. Started a working group to address water complaints.
 - e. Building a database system in MS Access, to report all customer complaints to be sorted in reports as needed.
 - f. Maintained records of complaints and resolutions.
- 7. Stormwater
 - a. Evaluated stormwater and flooding concerns from Hurricane Ian
 - b. Joined the Orange County Local Mitigation Strategy Team for community funding opportunities.
 - c. Identified methodology for monitoring lake levels. Seeking topographic survey opportunities in the Catalina community which is the hardest hit for flooding.
 - d. Sought out FEMA/Corps of Engineers/and other federal and non-federal grant opportunities.
- 8. Vereen Grant
 - a. Kicked off Vereen Lift Station Grant project. Worked with EPA project manager Mohit, to determine NEPA requirements to start the project.

9. Bipartisan Infrastructure Law – Justice 40 Grant Opportunities
 - a. Broadband and Technology Center Initiative
 - i. Prepared a summary for the State of Florida DEO Broadband initiative – Multi Purpose Community Center Project - to include Workforce Development, Telehealth and Digital Literacy.
 - ii. Presented at Council Workshop
 - iii. Sent Letter of Interest to interested partners.
 - b. USDOT SMART Transportation Grant – for Autonomous Vehicles and other SMART transportation opportunities
 - i. Distributed grant material
 - ii. Coordinated a tour and meeting at lake Nona BEEP AV office for week of 8/28
10. Performed development review for Lake Weston, Enclave and HostDime
11. Attended meetings with PEC on Zora coordination.
12. Prepared FY 23-24 Budget and presentation to Council
13. Worked on Water and Sewer Rate Study.