

Minutes of the Public Works Committee on January 29, 2024

Committee Members Present

W. Willis
E. Beatty
B. Bevins
P. Healy
P. Vetro
R. Vitale

Also Present

C. Saley, PW Director
S. Johnson, Assistant PW Director
R. Harrigan, Solid Waste Foreman
L. Streit, Recording Secretary

Meeting Date

Meetings will be held the fourth Monday of every month at 7:00 p.m.

Director's Report (report attached)

- Chris briefly reviewed the Department of Public Works and the Wastewater Reports. December had record precipitation. The Public Works offices are being renovated and will be more energy efficient..
- Steve reviewed the microgrid functions which came about due to Super Storm Sandy and the power outages. The City is separate from the UI grid. The system has documented savings and it can isolate and go into storm mode. Vitale asked about an estimated savings. Steve stated that the Board of Ed does a reimbursement to the city; pays a fee to Public Works for energy. Fuel cells were discussed and monitoring this to avoid brown outs.
- Fuel cells were discussed – there is a battery back up/balance. Demand peaks were discussed and the monitoring of this to avoid brown outs.
- Flood and erosion was discussed as part of the CDBG report and Milford historically.
- Laurel Beach Association was discussed and the work that has been and will be done.
- There are 21 budgeted vacancies as of 1/18/24 and these positions were reviewed. Chris has been working with HR and having difficulty filling the custodial positions; it is very competitive.
- Fire Department Hands Only CPR and AED Training is being scheduled.
- Project/Construction was reviewed; the Fire House at 980 New Haven Ave – the heating system is being quoted.
- Highway/Parks report was reviewed as well as the Garage report; 350 vehicles are serviced by Public Works.

Sewer Report (report attached)

- Rob Harrigan was introduced as the new Solid Waste Foreman. It was discussed that Gulf Pond and West Ave are the biggest pump stations. The two treatment plants were discussed: Housatonic and Beaverbrook. Wipes and grease in the system is a continuous issue and there are a dozen or so trouble spots in town that are routinely cleaned out.
- The Transfer Station was discussed. It was noted that dump passes were only good for the year they were purchased and are no longer in existence.
- They are working on a new agreement to recycle textiles; trying to give avenues for recycling. A software program is being researched for photo/scanning to try to eliminate negative recycling – recycling the wrong things. People still put plastic bags in recycling. A radiation detector has been installed at the Transfer Station. Beatty asked about pick up for textiles. Rob stated that they are working on a system for separate pick up. It was discussed that there had been a sticker that showed what was acceptable and that is outdated. Steve stated that the recyclect.com website shows what is acceptable for recycling. Healy suggested a data system that has a video/explanation of procedures (common questions or habitual questions)

- The following Public Works projects were reviewed:
 - Brito Construction installation of high-pressure gas lines has started.
 - Burns Construction installation of high-pressure gas lines has started.
 - Police Department headquarters and Simon Lake.
 - The Fire Department roof repairs; Wheeler's Farm Road, Headquarters and Seaman's Lane.
 - A new heating system for 980 New Haven Ave.
- The Highway/Parks report was briefly reviewed.

Concerns

- **Bevins** asked about moving sand on Gulf Beach and that there are trees down at Gulf Street and Old Field Lane. Steve stated that those are private trees. The removal of brush by Gulf Beach; the goal is to be done by the summer.
- **Healy** asked about Pond Point and New Haven Ave. Chris stated that this was a DOT issue.
- **Vitale** asked about the imprinted walkways, they are wearing out and asked if they would be refurbished. Chris stated that they cost \$6,000.00 per crosswalk to install. Vitale stated that the wires sag at North and South Broad Street and suggested that underground should be looked into. Chris stated that this is extremely costly and it is part state and part city and would be an issue for the Aldermen. There is power on both sides of the green.
- The Smith Project was briefly discussed.
- **Ward** reported that there is a large pothole at Pumpkin Delight and Monroe Street. Chris stated that that was a SCGC project and he will call them tomorrow.

The next regular meeting will be on February 26, 2024.

A motion was made by Vetro, seconded by Beatty to adjourn at 8:35 p.m. The motion carried unanimously.

Respectfully submitted,



Lisa Streit

Public Works Division Report January 29, 2024

Office # 054320:

- A. Tracking Snow/Weather Events, Ordering Salt & Brine
 - a. 1/6/24 – 1/7/24 – \$38,701.91
 - b. 1/16/24 – 1/17/27 - \$42,670.12
- B. Front / Business Office – renovations.
- C. Microgrid reporting calendar year 2023 (Grant) & estimates for Board of Education Beneficial Account (Beaver Brook Fuel Cell – Foran High School & Microgrid – Harborside Middle School.) Reimbursement estimates in process.
- D. Microgrid Systems Coordination with Schneider Electric – on going.
- E. CDBG-DR Project / Active Quarterly Reports.
 - a. Milford Point Road – getting updated pricing from Colonna Concrete. Project scope of work to be reviewed and exceptions noted for updated contract and construction timeline. Funding from CDBG-DR, State Bond Commission, and local Flood Erosion and control accounts.
 - b. Bayview Pumps. Project bid to be created. Funding from CT State Bond Commission.
 - c. Wildemere/ Walnut – Project review and scope of work determination.
 - d. Pelham Public Access – stair and bluff erosion.
- F. HR DPW Vacancy Reported 21 budgeted vacancies on 1/18/2024.
- G. Fire Department Hands Only CPR and AED Training is being scheduled.

Project/Construction Manager:

- A. Fire House-55 Wheeler's Farms Rd Completed/Inspected.
- B. Fire House-81 Seeman's Lane Completed/Inspected.
- C. Fire House-72 New Haven Ave. In Progress, Temporary Roof Installed.
- D. Brito Construction installation of high-pressure gas lines has started.
- E. Burns Construction installation of high-pressure gas lines has started.
- F. Fire House 980 New Haven Ave. heating system being quoted.

Highway / Parks # 045321:

Highway Division:

- A. Potholes – 63
- B. Footing for highway building storage.
- C. Swale added to mitigate storm water on Wheelers Farms @ Country Lane.
- D. Swale added to mitigate storm water Oronoque Road @ Zion Hill.
- E. 6 days in plow trucks.
- F. Outfalls on Buick Ave. cleaned with machine.
- G. Vac and Jet Underhill Road, Lewis St, Argyle Road
- H. Replaced 20' pipe with SDR-35 and restabilized outfall on Smith Ave.
- I. Memorial Bench Pads:
 - a. 9/11 Memorial

- b. Washington Field
- J. MS-4 Annual Report Data (Together with Engineering and Inland Wetlands.)

Parks Division

- A. Storm Prep called two guys in on the holiday to put plows on trucks.
- B. Tuesday Snow removal streets sidewalks and parking lots.
- C. Wednesday, mains and hill roads, parking lots were treated. Checking sidewalks, complaints on missed streets. Replaced big flag on the green, getting Christmas trees city wide, washing trucks.
- D. Thursday Storm prep for next storm, tree removal 805 Milford Pt Road UI assists. Washing trucks.
- E. Friday Storm clean up.
- F. Saturday 1/13/2024 annual Christmas tree pick up walnut and Tri beach.
- G. Tree & Stump Work
 - a. December has 12 Prunes, 36 Removals, 13 Stumps
 - b. January (to 1/18/24) has 8 Prunes, 11 Removals, 1 Stumps.

Building Maintenance # 054323:

Daily / Weekly Work Reports

CHP – Microgrid Generator

- A. Monitor and log generator system every day.
- B. Schedule and shut down system every 5-6 weeks for generator service.
- C. Martin Energy scheduled oil change 1/4/24,

POOL

- D. Check water levels every day for PH and Chlorine
- E. Vacuum pool twice a week
- F. Back wash filter once every two weeks
- G. Maintain all mechanics in pump room
- H. Repair Dry-O -Tron
- I. Repair three lights in pool area
- J. Unclogged floor drains

TRAFFIC

- K. Maintain control equipment as needed
- L. Replace traffic lights that are out
- M. Repaired traffic light that twisted on Oxford Road

HVAC

- N. Maintain heating equipment at all 21 city buildings

EXTERIOR BATHROOMS

- O. Cleaning and maintaining Walnut Beach and Splash Pad Bathrooms
- P. (Open for Winter Months)

MONTHLY WORK REPORTS

CITY HALL

- Q. Installed new footing and underground pipes for electrical service

- R. Ran new wires from electrical panel to exterior EV charger
- S. Installed new EV charging station

LIBRARY

- T. Sealed all openings and cracks in boiler room ceiling (FDI)
- U. Checked and repaired all emergency lights (FDI)
- V. Scraped, primed and painted all walls in back entrance stair case
- W. Repaired, primed and painted all walls in Childrens Program room
- X. Repaired, primed and painted all walls in back entrance way

PARSONS

- Y. Replaced cracked toilet on 2nd floor women's room
- Z. Put new chairs together for Engineering
- AA. Clogged gym roof drain
 - a. Dug up exterior ground and exposed drain pipe
 - b. Cut drainpipe and pulled out 20' of tree roots
 - c. -Repaired cut pipe and put soil back on top

SIMON LAKE

- BB. Unclogged sewer pipe in main hallway
 - a. Pulled up two toilets and one sink to unclog sewer pipe
 - b. Cause of clog was a tee shirt that was flushed into the toilet

POLICE DEPARTMENT

- CC. Installed new outlets in training area to plug in radio charger
- DD. Installed new outlets and TV brackets in 2 lounge areas
- EE. Installed new ceiling lights in lounge and 2 offices in Detective area
- FF. Installed new ceiling tiles in lounge and 2 offices in Detective area
- GG. Repaired lights in main lobby
- HH. Removed old tables, chairs and discard them to the Transfer Station

PUBLIC WORKS GARAGE

- II. Installed new interior lights in garage area, Break room and Coreys office
- JJ. Installed new ceiling tiles in Break room and office area

TRI BEACH

- KK. Installed new interior lights in Hallway, bathroom, office and common room

FANNIE BEACH

- LL. Cleaned all roof vents (kids got on the roof and put tennis balls in roof vents)
- MM. Repaired 4 torn window screens

EGAN CENTER

- NN. Shut main water system to repair leaks in bathrooms

CITY GROUNDS

- OO. Removed all Christmas decoration on city buildings
- PP. Removed graffiti at Walnut Beach storage containers
- QQ. Winter Storm Duty – removed snow on city sidewalks and parking lots, Put salt down as needed

OTHER

- RR. Preparation and coordination for front office remodel
- SS. Eastside Fire Department heating solutions

Garage # 054329:

- A. Equipment / Vehicles – Vactor Truck update
- B. Completed In-house:
 - 1233RL – Hydraulic leak, 1224PD – Coolant leak, 992RL – GPS install, 990RL – PM, MIL, Brakes, cooling sys, PTO sys, body repairs, 1222PD – PM & tires, 1154-6WHL – Windshield washer, uncoating, 1223PD – PM & Tires, 1235PD – PM & brakes, tires, 1207RL – Replaced winch cable, 1155RL – PM, body repairs, 1202PD – PM, tires, exhaust, 1242PD – PM & Tires, 1232RL – Hydraulic leak, 1208SL – Exhaust leak, GPS install, 1177PD – PM & tires, 1174PU – GPS install, 1132PU – Inst battery, 1115MD – GPS inst, 1110-WHL – Coolant leak, hydraulic leak, brake insp, 823VAN – Replaced battery, 1233RL – Tipper repair, 1212-6WHL – Air leak, brake inspection, 1165PD – PM & Tires, 1164BH – Hydraulic leak, bucket tooth, 828PU – Replaced battery, 590PU – Replaced door latch & GPS, 1097SL – Leaking coolant, 1249PD – PM & Tires, 1155RL – Rear packer controls, 1109-6WHL – Hydraulic leak, 1096SL – PM, hydraulics, body repairs, 1041 – MIL, PM
- C. Completed Outside:
 - 497ST – Lack of power, 1094 – Air compressor replacement, 1021 – Fluid coupler replacement, 1111SW – Can Bus issue, 1011 – Lack of power – turbo repair, 1155 – Packer controls jammed, 1039 – MIL & coolant leak
- D. Currently Down:
 - 824 – Screener-Bumpers, 1096-PM & Hose Repairs
- E. Issues But Usable:
 - 1208-MIL, 1097-Front Strobe lights inoperable
- F. Admin:
 - a. Focus on getting all GPS units operable, found out units that sit dormant for 60 days will result in their plan cancelling automatically, requiring Foreman to take responsibility for their own vehicles
 - b. Working on better tracking of fuel system, specifically gas cans which present the easiest way to steal gas/diesel
 - c. Working on Job Description for Master Mechanic (FD) & inspecting FD Garage to address list of needs
 - d. Keep majority of plow trucks running through several storms – only one down is 870 (Lack of power) & 1039 (Engine Light (MIL))
 - e. Prioritizing PM's to reduce breakdowns – still running about 100 hours behind on average
 - f. Caught major pricing issue with Gabrielli, working w/ Service to correct
 - o Sells parts to us direct at one price, but when services vehicles they mark the parts up 15%
 - o As of 01/02 – Gabrielli is playing games, stating nobody has the authority to rectify this, I'm still working on

- g. Audit/Review uniform pricing-Found discrepancies in pricing of contract vs. invoiced, working with our account rep to correct.

Solid Waste # 054331:

- A. Transfer Station:
 - a. price changes from 5.2 cents per pound to 7.5 cents per pound for all residents and contractors
 - b. MSW is at 5.5 cents per pound now from 5.2 cents
- B. Potential new Textile Recycling partner- Baystate Textiles out of Massachusetts (Waterbury, CT warehouse)
- C. Leaf Bag pick up removed 387.45 tons during a 4-week period (Nov28-Dec20)
- D. Radiation Detectors have worked saving the city money twice since their implementation (October)
- E. Started repairing the dumpsters around the city to lengthen the life of them.
- F. Working with potential vendors to find efficiencies in garbage/recycle routes in efforts to help with fuel costs, manpower and, wear & tear on trucks.
- G. Looking for ways to reach the residents to educate them further on recycling & garbage (Do's & Don'ts)- with both Wheelabrator & Oak Ridge bearing down on rules/regulations in respect to containments --proactive rather than reactive.

Wastewater #128226 – See Attached Sewer Commission January Report.



City of Milford, Connecticut
- Founded 1639 -

Telephone
(203) 783-3263
(203) 783-3264

Housatonic Wastewater Treatment Facility
1255 Oronoque road – Milford, CT 06460

To: Sewer Commission
From: Lindsay King, Wastewater Superintendent
Date: January 18, 2024
Subject: Sewer Report for December 2023

Wastewater Treatment Plants

Both Wastewater Plants performed well in the month of December, producing high-quality effluent. 313 million gallons were treated at the Housatonic Plant and 95 million gallons at the Beaver Brook Plant for a total of 408 million gallons. The Housatonic plants monthly average effluent nitrogen was 367 lbs./day (annual average for 2023 is 195 lbs./day and is under the 307 lb./day permit limit). The Beaverbrook Plants monthly average effluent nitrogen was 78 lbs./day (annual average for 2023 is 59 lbs./day and is under the permit limit of 94 lbs./day).

At the Housatonic Plant normal monthly maintenance was performed:

1. Replaced broken variable frequency drive for Belt Filter Press
2. Installed a new level control for the Recycle Flow Pump Station.
3. Replaced a broken Vogelsang sludge feed pump with an unused Vogelsang pump in digester.
4. Repaired a hole in the Volute of RAS Pump #6; returned to service.

At the Beaverbrook Plant normal monthly maintenance was performed:

1. Cleared clogged pipe on Secondary Scum Pit.
2. Replaced fuse on the aeration control panel.
3. Filled oil on Belt Filter Press - screw conveyor gearbox.

Pump Stations

Scheduled maintenance was performed at the following pump station: West Mayflower.

Other Duties Performed:

1. Ran generators on full load at Welch's, Morningside, Anderson, Sailors, Post Road, Zion Hill, Cricklewood, Mayflower, Milford Point, Mathew, Concord, Viscount, Flax Mill, Kinlock, Cascade, Watrous, Old Field and Adams pump stations.
2. Cleaned wet wells at Rose's Mill, Naugatuck and Watrous
3. Replaced failed level controller at Mathews after station went into high well alarm.
4. Greased pumps and driveshafts at Post Road and Gulf Pond as all pumps have been running due to the high flows.
5. Cleared clogs at Rogers Avenue (2x) and New Haven Ave Pump Stations

There were 8 alarms at the pump stations:

- 1 for Station Trouble
- 4 for High Wet Well
- 3 for Low Wet Well

Sewer Maintenance

Sewer Maintenance answered 7 complaints.

Sewer Maintenance crews performed scheduled maintenance at the following T-sites:

T-12, T-27, T-40, T-50, T-56, and T-44

There was a sewer excavation at the following location:

9 Pearl Hill Street

Other duties performed were:

- 1. Rebuilt manholes in Calf Penn Easement
- 2. Closed circuit television inspection of new Genesis Car Dealership for acceptance.
- 3. Installed an activated carbon odor control sock in the vent pipe where the West Ave Pump Station discharges on Bic Drive in response to an odor complaint.
- 4. Friday T-sites

A total of 10,450 ft. was jet flushed, 3,710 ft. televised, 1,835 ft. spy TV 'ed, 670 ft. hand rodded, 1,075 ft hydraulically root cut, and 325 ft root treated.

American Rescue Plan Act – Wastewater Pump Station Emergency Generators

- 1. This ARPA funded project consists of replacing emergency generators at multiple wastewater pump stations.
- 2. \$1,504,000 is approved for this project.
- 3. Gulf Pond and West Avenue generators have gone out to bid and received a low bid of \$492,600.
- 4. Construction is finished on the new generator at West Ave Pump Station. Construction at Gulf Pond will start on January 23rd.
- 5. A second bid was opened on March 8th for generators at Wanda, Post Road, White Oaks, Matthew, Anderson, Mayflower, Milford Point, and a portable generator. L. Holzner Electric Company has been selected as the low bidder for \$656,555.00. We are currently waiting for the long lead time for the generators; no delivery date has been set yet.

Adams Avenue Generator Replacement

1. The 60-kw generator and transfer switch will be replacing the existing failed generator.
2. The project has gone out to bid and received a low bid of \$49,735.
3. The Generator has been delivered to the contractor and we are waiting on an installation date.
4. FEMA and insurance money have already been received.
5. FEMA requires the project to be completed by July 2024

Inflow and Infiltration

1. A Wet Weather SOP aimed at minimizing potential effluent violations triggered by high flow conditions at the plant has been submitted to DEEP.
2. Weston and Sampson previously completed a Flow Evaluation of all the Cities pump stations and identified the Post Road Pump Station service area as one of the subareas having a large amount of inflow and infiltration (I&I). We used closed circuit television inspection to identify leaks and propose a pipelining project to eliminate them. Specifications, mapping, closed circuit television inspection and associated reports have been submitted to purchasing and a bid is currently being prepared by Wescott and Mapes. The intent of the bid is to have on-call pipe-lining contractors that can be used for this and future projects.
3. The Department of Energy and Environmental Protection is asking us to start an SSES study in the spring of 2024. The SSES work would qualify for a CT-DEEP Clean Water Fund Grant (55% Grant 45% local share). Weston and Sampson Engineering (W&S) has been identified as the first choice for performing the work. We are currently reviewing a proposal from W&S for the work.