

UTILITY COMMITTEE

August 2, 2021

6:00pm

PRESENT: Chairperson Turchi, Members Carroll, Hegy, Sikora

ALSO PRESENT: Utility Superintendent Mike Thimm, Sewer Utility Director Dave Piquett

Call to Order – Chairperson Turchi called the meeting to order at 6:00 p.m. in the Common Council Chambers of Hartford City Hall, 109 North Main Street.

Public Comment Period – None.

Electric Service Interruptions and Water Main Breaks – Utility Superintendent Thimm provided an update on the following:

Water Main Breaks:

1. On July 10th, at 666 Court Dr, a water main broke. It was repaired without incident.

Electrical Interruptions:

1. On July 18th, 244 Russell Ave, there was a house fire, which caused a service interruption.
2. On July 21st, near Hartford Square, a pad mount transformer was pushed off the pad, causing a short and blown fuse. A few customers were without power.
3. On July 29th, on the Fairview Dr, as a result of the severe thunderstorm, a branch broke off and damaged the circuit and substation, causing an outage in the area. About 180 customers were affected.
4. On July 30th, a fence was being installed at a residence. The contractor severed the line at the residence, causing a service interruption. Digger's Hotline was not contacted prior to beginning work.

Presentation of Utilities 2022 – 2026 Capital Improvement Program projects – Superintendent Thimm began with Electric projects for 2022 which included:

- Summit Street area re-build - West of Summit and East of Birch from Washington to Mueller
- Pick-Up Truck replacement – Converting into a 1 ton mini dump truck, split between Water and Electric, \$35,000 for each utility
- Voltage Conversion upgrade – Western Dr, second phase of trying to eliminate the airport substation, \$380,000
- E Lincoln Ave area re-build – West of Grand, Jefferson, Evergreen, Overhead Lines, Poles, Transformers, \$182,000
- TID 12 – Potential expansion of the industrial park on Western Dr, \$250,000
- New Electric Meter tester – Replacing a bench meter tester, \$50,000
- 2022-2025 City Street Light conversion – Changing all city street lights to LED, \$50,000 per year
- Centennial Park Power Line Relocation – Moving power lines and changing from overhead to underground, \$90,000
- SCADA upgrade – Split between Electric and Water, upgrade computers from Windows 7, \$60,000 for each utility

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Electric Projects for 2023:

- Pleasant Ave area re-build – East Ave to Grand Ave, Overhead Lines, Poles, Transformers, \$140,000
- Decommissioning airport substation – upgrade small piece on Cleveland Ave, physically dismantle the substation, \$150,000
- Bucket truck replacement – 20 year old truck needs to be replaced, \$260,000
- McKinley Ave area re-build – On McKinley between Grand and East Ave, Overhead Lines, Poles, Transformers, \$112,000
- W Rogers & W Washington area re-build – East side of Cedar, Between Rural and Cedar, Overhead Lines, Poles, Transformers, \$150,000
- W Rogers & W Washington area re-build – West side of Cedar, Cedar to Summit, \$150,000
- Replacing HVAC Rooftop Unit at Utilities Building Warehouse and Truck Bay – Split between Electric and Water, current unit is 22 years old, will be coordinating with rubber roof replacement, \$45,000 per utility

Chairperson Turchi suggested moving the HVAC replacement and bucket truck replacement up to 2022 due to potential incoming federal funds.

Aldersperson Hegy commented that it would be appreciated to attempt to keep lines on one side of the street in areas where re-builds are happening.

Electric Projects for 2024:

- E Monroe area re-build – S Main to Wilson Ave, replacing old underground cable, transformers, \$327,000
- Prospect St & Center St re-build – Center St east to N Main, Prospect, replacing old poles and wire, \$50,000
- Utility Building Roof Replacement – Split between Electric and Water, \$65,00 per utility
- E Wisconsin & 1st St area re-build – Complete overhead wire re-build, aging poles and wire, \$55,000
- S Johnson St area re-build – From Hwy 60 to Lincoln Ave, overhead re-build, \$224,000
- Bucket truck replacement – 18 year old truck needs replacement, \$260,000

Electric Projects for 2025:

- Misty Meadows area re-build – Replacing old underground cable and voltage upgrade, from McKinley Ave along west side of Misty Meadows to Lincoln Ave, \$163,000
- Utility Building Flooring Replacement – Split between Electric and Water, floor will be 24 years old, \$20,000 per utility
- S Main St & E Rogers area re-build – Between Branch and E Lincoln down Lincoln Ave, overhead wires and poles, \$250,000
- Prospect & Elm area re-build – From between Victor & Spruce on the South side, in rear lot on West side of Elm St, runs to the North, crosses Prospect and stays in the rear lot, then heads East toward Peace Lutheran, a handful of poles to replace, \$80,000
- Grand Ave area re-build – Down Grand Ave from Hwy 60 to the tennis courts at the high school, all overhead, \$192,000
- Backhoe Replacement – Split between Electric and Water, will be 23 years old, will replace with a mini-excavator, \$40,000 per utility (Includes the cost of trailer to transport)
- Distributed Automation or SCADA upgrade – The SCADA upgrade has the potential ability to move the current electric utility off of the current SCADA system and upgrade to an SEL SCADA system which could then lead to automation in the future, \$150,000

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- Grand Ave & Monroe Ave – Northwest corner needs aging cable replaced, \$20,000

Electric Projects for 2026:

- Wacker Dr re-build – Abbott Ave to W State St, underground cable needs to be replaced, \$170,000
- Victor Dr area re-build – Replacing aging cable, \$95,000
- Pickup Truck replacement – Truck will be 20 years old, \$60,000
- E Sumner St area re-build – Grand Ave to Steel Craft Dr, new poles & wires, \$120,000
- Sell Dr & Tamarack Ave – New poles and wires, complete re-build, \$126,000
- Cedar St area re-build – Hwy 60 to Monroe Ave, replace overhead lines and poles, \$288,000

Water/Sewer Projects for 2022:

- Rehabilitation of Wells - \$70,000 per year, work with Engineering to sample and analyze the water to determine which wells need work
- Replacing defective water main valves - \$40,000 per year, replacing approximately 6 valves in critical areas per year
- Harker Ave water main replacement – Replacing 1600 linear feet of 6 inch water main with current standard 8 inch water main
 - Sewer: Replacing 540 linear feet of sanitary sewer from Monroe to Jefferson, 836 linear feet from Jefferson to E Lincoln \$305,840
- Water Meter Replacement Project - \$80,000, ongoing project, upgrading meters
 - Sewer: \$80,000 for 2022 and \$75,000 for 2023 – 2026
- TIF 12 - \$498,000 for installing 12 inch water main
 - Sewer: \$553,950 for installing 2530 linear feet sanitary sewer
- Pickup Truck Replacement - \$35,000 per utility, water & electric, explained in the electric projects
- SCADA upgrade - \$60,000 per utility, water & electric, explained in the electric projects

Aldersperson Hegy commented that peripheral sensors should be considered for all replacement utility trucks.

Water/Sewer Projects for 2023:

- S Main St water main replacement – Replacing 1200 linear feet of 6 inch water main with 8 inch water main, \$298,000
 - Sewer: \$117,500 for 500 linear feet of replacement sanitary sewer from Monroe to Lincoln
- HVAC Replacement - \$45,000 for water utility share, explained in electric projects

Water/Sewer Projects for 2024:

- W Rossman St water main replacement – Replacing 500 linear feet of 4 inch water main, 600 linear feet of 6 inch water main with 8 inch water main, on W Rossman between Elm and Center, \$263,000
 - Sewer: 800 linear feet of 6 inch and 8 inch, 6 inch will be removed, \$182,000
- E Wisconsin St – Replacing 600 linear feet of 6 inch water main with 8 inch water main, between 5th and 6th, \$148,000
 - Sewer: Replacing 800 linear feet of sanitary sewer, \$182,000
- E Loos St – Replacing 600 linear feet of 4 inch water main with 8 inch water main, between Wheelock & East, \$148,000
 - Sewer: Replacing 460 linear feet 10 inch clay sanitary sewer

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- Utility Building Roof Replacement - \$65,000 for water utility share, explained in electric projects

Water/Sewer Projects for 2025:

- Utility Building Flooring Replacement - \$20,000 for water utility share, explained in electric projects
- Backhoe Replacement - \$40,000 for water utility share, explained in electric projects
- Honeysuckle Rd Water Main Replacement – 1900 linear feet of 8 inch water main between Lone Oak Ln and just West of Sell Dr, will remain 8 inch water main, \$447,000
 - Sewer: Existing 18” concrete pipe will be lined, laterals are PVC and lining is a good option, \$155,000
- Pickup Truck Replacement – Replacing 20 year old truck with a larger, utility body truck, \$60,000

Water/Sewer Projects for 2026:

- Pickup Truck Replacement – Replacing 20 year old truck with a larger, utility body truck, \$60,000
- Fairview Dr Water Main Replacement – Replacing 2500 feet of 6 inch water main with 8 inch water main, \$585,000
 - Sewer: Replacing 2390 linear feet of sanitary sewer from Willow to Cedar, \$523,850

Sewer Projects for 2022:

- Mobile Pump Station Generator Replacement – Replacing two oldest generators, \$90,000
- Summer Wind Lift Station Pump Replacement – Replacing existing pump with chopper pump and aeration system
- Pickup Truck Replacement - Replacing 15 year old truck, \$32,000
- Water Pollution Control Facility Operation & Needs Study – will give a guide for future capital planning, \$45,000
- Main Office and Filter Building HVAC Control Replacements – Replacing Johnson Controls HVAC units with new ASI controls and touch screens, \$32,000

Discussion and consideration of approving the applications for sewer lateral replacement reimbursement by Scott and Karen Knusta, 6945 Lee Road, at a cost not to exceed \$6,000; by Werner Dorner, 2920 State Highway 83, at a cost not to exceed \$1,100; and by Bill Baird, 534-536 Grand Avenue, at a cost not to exceed \$2,790 – Director Piquett explained that all applicants have met all requirements for reimbursement.

MOTION by Alderperson Hegy, and seconded by Alderperson Sikora approving the applications for sewer lateral replacement reimbursement by Scott and Karen Knusta, 6945 Lee Road, at a cost not to exceed \$6,000; by Werner Dorner, 2920 State Highway 83, at a cost not to exceed \$1,100; and by Bill Baird, 534-536 Grand Avenue, at a cost not to exceed \$2,790

MOTION CARRIED UNANIMOUSLY.

Adjournment – MOTION by Alderperson Carroll, and seconded by Alderperson Sikora for adjournment at 6:59 p.m. MOTION CARRIED UNANIMOUSLY.

Respectfully submitted,
Lori Hetzel, City Clerk