



# MIDDLETOWN OPERATING COMMITTEE MEETING

*April 23, 2024*



# AGENDA

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Opening Remarks

**02**

Review of Minutes  
February 1, 2024  
February 26, 2024

**03**

Operations Update  
Operations Report  
Chemical Feed Upgrade  
Regulatory Update

**04**

Customer Service Update  
Meter Replacement and  
Testing

**05**

Capital Investment &  
Engineering Report  
2018/2021 Project  
2022/2023 Project  
Standpipes  
Wet Well

**06**

CPI Impact on Future  
Rate Increase

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Royalton and  
Lower Swatara  
Contract Update

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Adjournment



# Opening Remarks



# Review of Minutes



# Operations Report



## Around the Plant

### Operations

- Completed annual valve turning requirement
- Repaired SmartCover
- Submitted SRBC well 6 docket renewal
- Meter Replacements
- Earth Day Clean Up
- Well 4 returned to service
- Oxidation ditch end bearing installation





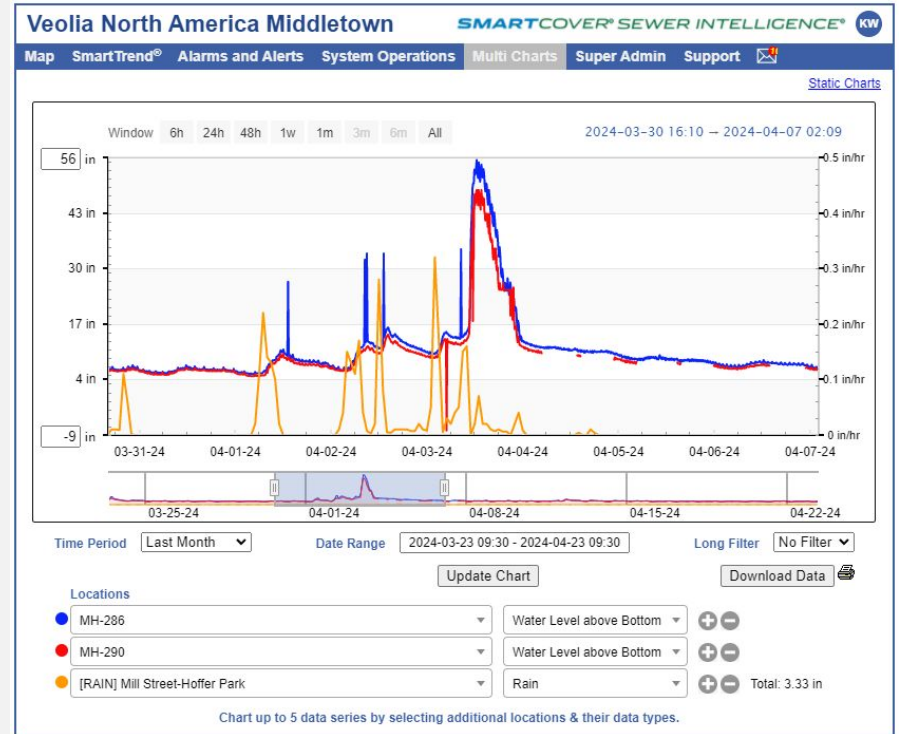
# February, March, and April Repairs

## Water

- Main Breaks: 0
- Valve Repair: 0 (3 box repairs)
- Service Leaks: 0
- Curbstop Repair: 5

## Wastewater

- SSO's: 0
- Sewer backup: 0
- Sewer repair: 0
- SmartCover Alarms: 1





# Chemical Feed Upgrade

## Completed

- Procured all materials and equipment for chemical feed modifications
- Permit applications for all wells have been approved by PA DEP
- Well 2 chemical feed upgrade complete
- Water SCADA Computer upgraded to allow for additional tags
- New drop pipe and well pump installed at well 4, pump integration.
- Well 4 online 3/4/24

## Ongoing

- Schedule next well upgrade - well 6







# Water System and Wastewater Treatment Plant Maintenance

## Major equipment out of service

System	Equipment	Process Location	Reason for Taking Offline	Date Returned to Service
Drinking Water	Well Pump	Well 4	Well Pump Failure	Online 3/4
Drinking Water	Well Pump	Well 3	Well Pump Failure	Pending PA DEP approval and installation
Wastewater	Influent Screen/compactor	Raw Water Wet Well	Mechanical Failure	Pending Repair (ordered 1/12)
Wastewater	Fine Screen	Upper Headworks	Mechanical Failure	Repair in progress
Wastewater	Ox Ditch Rotor	Ditch 1	Mechanical Failure	Repaired 3/20
Water	Booster Pump #1	Booster Station	Mechanical Failure	Pending Repair





## Lead Line Inventory

**Inventory needs to identify the materials of both the customer owned portion and utility owned portion of the service line.**

Materials can be verified using records reviews, meter change out program data, building plans and codes, visual inspections, and recent main replacement work

**Due October 16, 2024**

PA DEP



## PFAS Regulation

**On April 10th, 2024, EPA announced the final standards for 6 PFAS compounds**

PFOS [*MCL 4.0 ppt*], PFOA [*MCL 4.0 ppt*], PFNA [*MCL 10 ppt*], PFHxS [*MCL 10 ppt*], and Gen X [*MCL 10 ppt*], PFBS *Hazard Index*

Hazard Index [1 unitless] : Calculation of Gen X, PFBS, PFNA, and PFHxS

### Compliance Deadlines

April 2024 - Final rule published

April 2027 - Initial monitoring deadline

April 2029 - Compliance deadline



# PFAS Regulation

## Testing Results

2024	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6
<i>Quarter 1</i>						
PFOS	7.6	8.8		6.2	11	6.9
PFOA	2.8	4.4		5.8	5.6	5
Date	2/14/24	2/14/24		3/19/24	2/14/24	2/14/24
<i>Quarter 2</i>						
PFOS						
PFOA						
Date						
<i>Quarter 3</i>						
PFOS						
PFOA						
Date						
<i>Quarter 4</i>						
PFOS						
PFOA						
Date						

PA DEP has released a technical guidance document outlining Granular Activated Carbon as the treatment technique for PFAS removal





# Customer Service Update



## Meter Replacement and Testing



### Meter Replacement Program

Changing out  $\frac{5}{8}$  - 2 inch meters

Letters sent out to customer to schedule appointments

#### 2022

64 meters replaced

67.5% pass rate after testing

Focused on stopped or problematic meters - low pass rate

#### 2023

Meter replacement program started in July 2023 and remobilized in November 2023

280 meters have been replaced - 95% pass rate

#### 2024

Meter replacement program started in April

100 small meters have been replaced in 2024 with more appointments being scheduled

### Pineford Village Meter Pit



# Customer Service

2024 Rate increase 7.3%

	YTD March-2023	YTD March -2024		
1 Water Revenue	\$756,472.61	\$848,460.15	\$91,987.54	12.2%
2 Sewer Revenue	\$ 1,240,455.32	\$ 1,406,189.83	\$ 165,734.51	13.4%
3 Total Revenue	\$29,012.53	\$2,254,649.98		
4 Royalton Bulk Water Revenue	\$ 30,823.00	\$ 25,800.00	84%	-16.3%
5 Water Revenue net of Royalton	\$ 725,649.61	\$822,660.15	\$97,010.54	13.37%
6 Water Consumption	58,410	60,857	2,448	4.2%
7 Sewer Volume Cons in T.Gallons	\$ 44,377.40	\$ 47,649.10	\$ 3,271.70	7.4%
8 Royalton Water Consumption	6,122.30	5,117.70	(1,005)	-16.4%
9 Water Consmp. Net of Royalton	52,287.30	55,739.60	\$3,452.30	6.6%



# Capital Investment & Engineering Report

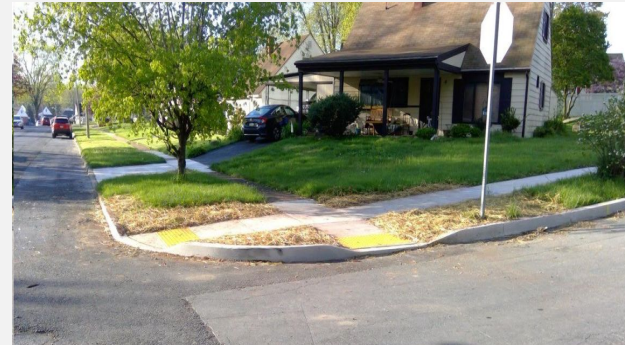
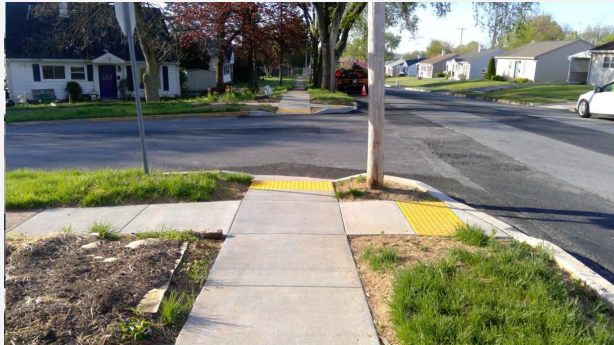




## Capital Construction Projects

### 2018/2021 Underground Infrastructure Replacement

- All mains and services have been connected.
- All ADA ramps, curbs and sidewalk restorations are completed.
- All pavement and wearing course overlay to be completed by the second week in May
- Customers to see pressure increased 30-40 psi
- Homeowners will need to install PRVs in areas nearing 80 psi per plumbing code





# Capital Construction Projects

## 2022/2023 Underground Infrastructure Replacement

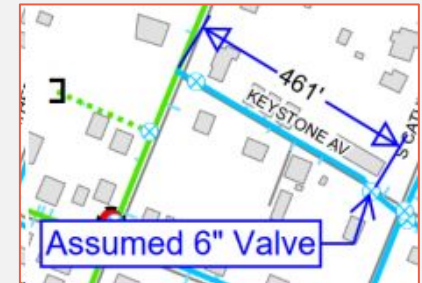
### Sanitary Sewer Improvements

- N. Union Street - 660 L.F.
- E. Water Street - 961 L.F.
- MH 272A to proposed MH - 330 L.F.
- MH 570 to MH 569 ~ 260 L.F.
- MH 548 to MH 537 ~ 365 L.F.



### Water System Improvements

- Keystone Ave ~ 461 L.F.
- E. Water Street ~ 2,310 L.F.
- Spruce St from Ridge Avenue to Oak Hill Drive ~ 544 L.F.
- E. Peter Avenue ~ 186 L.F.
- N. Union Street from Main Street to Spring Street and Girard Avenue ~ 1,675 L.F.
- Spruce St from High St to Main St ~ 447 L.F.





# Capital Construction Projects

## Water Storage Tanks Rehabilitation

### N. Union St Tank

- Temporary Booster Station:
  - Received PADEP Permit
  - Working through electrical design and configuration
- Coordination with AT&T
  - AT&T is revising their tank corral design to allow IK Stoltzfus easier access for tank restoration
  - Note: AT&T will be installing an emergency generator for their antennas later this year.
- Next Steps:
  - Fabricate tank corral and install
  - Drain and begin restoration

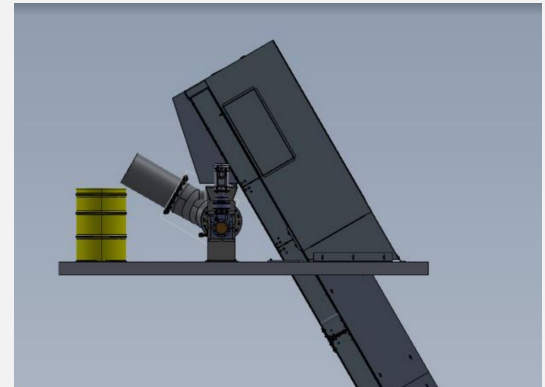
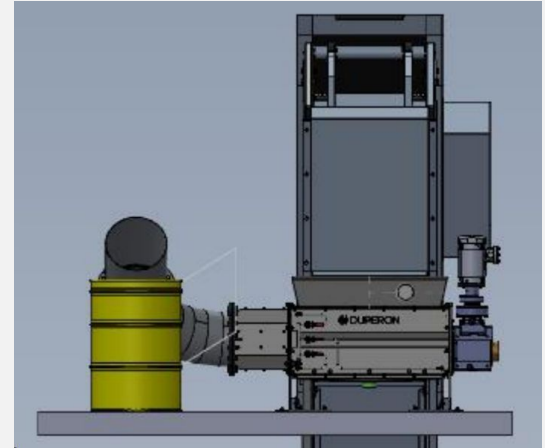




# Capital Construction Projects

## Wet Well (Headworks) Upgrade

- Washer Compactor
  - On order
  - Awaiting updated delivery schedule
- HVAC & Boilers
  - Contracted with Keystone to perform HVAC/Boiler analysis of current system and recommendation for future upgrades
  - Meeting onsite to begin data collection next week
- Next steps:
  - Select contractor for installation of compactor
  - Rework existing Raw pumps to reduce grit build up in motors
  - Procure new Raw pump VFDs





# Woodland Hills Pressure Complaint

## Pressure Complaint

A Borough Councilor received several complaints from the residents in Woodland Hills regarding their water pressure

Properties on Bamboo Way near North Union Street Tank

The Borough Councilor asked about installing a booster pump in the area

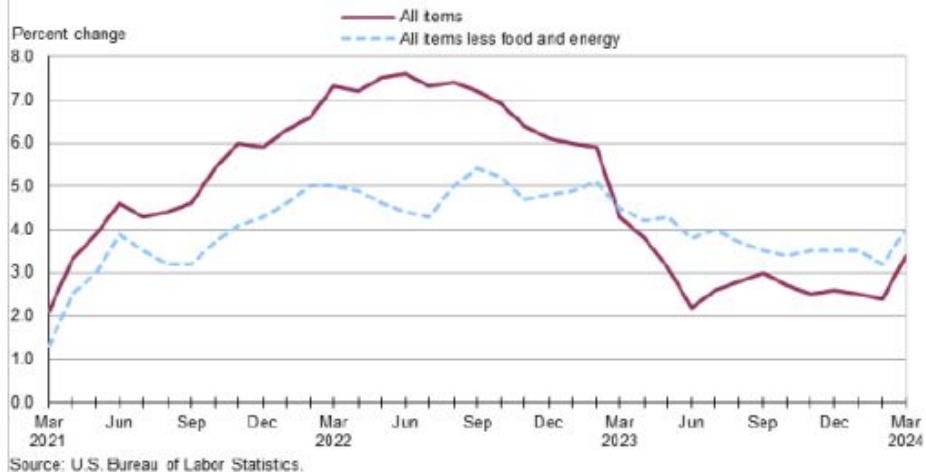


# CPI Impact on Future Rate Increases



## CPI- U Northeast Region

Chart 1. Over-the-year percent change in CPI-U, Northeast region, March 2021–March 2024



As of March 2024, CPI-U for the Northeast Region was up 3.4% over the prior 12 months.

# Royalton and Lower Swatara Contract Update





# Community Outreach



## Earth Day Clean Up





# Other Matters



# Next Meeting

# Thank you

April 23, 2024

