Quarterly Update at NEW Water

December 18, 2019
Agenda

• Welcome / Brief Updates – Tom Sigmund, Executive Director
  • Budget Overview, R2E2, PFAS
• Green Initiatives – Jeff Smudde, Environmental Programs Director
• Weather Events & Communications – Tricia Garrison, Public Affairs & Education Manager
• #FlushFighters campaign – Sharon Thieszen, Field Services Manager & Tricia Garrison
  
END PART ONE / BREAK

• Inflow & Infiltration Stakeholder Advisory Group – Nate Qualls, Technical Services Director
Updates from Executive Director

• Budget Overview
• R2E2
• PFAS
2020 NEW Water Budget Overview

- Adopted by Commission on December 4
- 3.2% increase in expenses
- 5.3% increase in Municipal User Fees
- Change in Units:
  - Volume +2.5%
  - BOD -0.7%
  - TSS +10.3%
  - P +2.4%
  - TKN -1.7%
Municipal Rate Example Comparison

<table>
<thead>
<tr>
<th>Parameter</th>
<th>2019</th>
<th>2020</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume (1,000 gals)</td>
<td>$0.91399</td>
<td>$0.87724</td>
<td>- 4.0%</td>
</tr>
<tr>
<td>Biochemical Oxygen Demand (lbs)</td>
<td>$0.53245</td>
<td>$0.57783</td>
<td>8.5%</td>
</tr>
<tr>
<td>Suspended Solids (lbs)</td>
<td>$0.52656</td>
<td>$0.52938</td>
<td>0.5%</td>
</tr>
<tr>
<td>Phosphorus (lbs)</td>
<td>$1.01111</td>
<td>$1.18037</td>
<td>16.7%</td>
</tr>
<tr>
<td>Total Kjeldahl Nitrogen (lbs)</td>
<td>$0.97315</td>
<td>$1.02910</td>
<td>5.7%</td>
</tr>
</tbody>
</table>

Note: Rates shown above are for comparison only and include allocation of $12,456,715 fixed charge for 2019 and $12,362,950 fixed charge for 2020. Parameter rates billed to customers do not include fixed charge; that amount is billed separately.
R2E2 Update

- Electrical energy generation
- High strength waste addition
- Granular activated carbon (GAC) adsorber
PFAS

• per and polyfluroalkyl substances (PFAS)

• NEW Water is working with the Wisconsin Department of Natural Resources, the Municipal Environmental Group, and wastewater utilities on moving forward with development of a PFAS Pollution Minimization Plan

For more information:
• NACWA PFAS Fact Sheet
• EPA PFAS Website
• Wisconsin DNR PFAS Website
Green Initiatives

• Adaptive Management Update
• U.S. Forest Service Tree Planting Grant (awarded)
• Wisconsin Coastal Management Program East River Resiliency Grant (submitted)
Adaptive Management Updates

• Adaptive Management Plan Revisions and submittal to WDNR
• Silver Creek Project
  • Landowner & Grower Appreciation Luncheon – Dec 3
  • Annual Stakeholder Meeting – Dec 11
• Ashwaubenon Creek and Dutchman Creek
  • Core Program Team Kickoff Meeting
    • December 16
  • Agricultural Kickoff Meeting
    • February 26
  • Stakeholder Kickoff Meeting
    • March 19
U.S. Forest Service Tree Planting Grant

- NEW Water has been awarded a grant from the U.S. Forest Service under Great Lakes Restoration Initiative (GLRI) funding to plant trees
  - Effort supports water quality improvements by helping to capture stormwater runoff
- The funding will be passed through to communities within the service area to plant 1,170 trees
  - Partners include Allouez, Ashwaubenon, Bellevue, De Pere, Green Bay, Howard, Ledgeview, the Oneida Nation, and the Wisconsin Department of Natural Resources
- Project begins January 1, 2020

NEW Water, EPA, and the Forest Service are equal opportunity providers
Wisconsin Coastal Management Program
East River Resiliency Grant

• NEW Water has submitted a grant to the Wisconsin Coastal Management Program (WCMP) to address flooding in the East River Watershed

• Will partner with UW-Sea Grant and the Nature Conservancy to develop a flood study for the East River watershed

• Will pull together the communities in the East River Watershed to collaborate on identifying issues and solutions

• If awarded, project would begin July 1, 2020
Weather Events & Communications

- NEW Water @NEWWater_WI - Sep 11
  Can the laundry & dishes wait? Flooding is stressing the interconnected sewer pipes throughout our community. Washing machines & dishwashers send more water into the system at a critical time. If you can hold off until rains subside, please do. Give the pipes some relief.

- Brown County EM @BCEMGMT - Sep 11
  The National Weather Service in Green Bay has issued a
  * Flood Warning for...
  Brown County in northeastern Wisconsin...
  * Until 200 PM CDT.

- Village of Bellevue, Wisconsin
  September 11 at 5:14 PM
  Please refrain from high-water using activities (dishes, laundry) during the flooding.
  Flooding is stressing the interconnected sewer pipes throughout the community. Washing machines and dishwashers send more water into the system at a critical time. If you can hold off until rains subside, please do. Give the pipes some relief!

- Haley BeMiller @haleybemiller - Sep 11
  @NEWWater_WI says you don't have to do dishes or laundry tonight!
  But in all seriousness, stay safe and avoid flooded areas.

- Village of Allouez
  2.1K like this - Allouez, Wisconsin - City
  Sep 11 - Can the laundry & dishes wait? Flooding is stressing the interconnected sewer pipes throughout our community. Washing machines & dishwashers send more water into the system at a critical time. If you can hold off until rains subside, please do. Give the pipes some relief!

- SEVERE STORM OUTLOOK
  TODAY
  THURSDAY
  POTENTIAL THREATS: Damaging Winds, Heavy Downpours, Localized Flooding
  Wisconsin weather: Warning issued for potential flooding Wednesday...
Weather Events & Communications

**Town of Ledgeview** @TownOfLedgeview · Sep 11

Those with pools, please wait to drain excessive water until the flooding subsides.

**NEW Water** @NEWWater_WI · Sep 11

Can the laundry & dishes wait? Flooding is stressing the interconnected sewer pipes throughout our community. Washing machines & dishwashers send more water into the system at a critical time. If you can hold off until rains subside, please do. Give the pipes some relief! twitter.com/BCEMGMT/status...

**City of Green Bay Dept of Public Works**

Region-wide flooding is stressing the interconnected sanitary sewer pipes throughout the region including within the City. Household appliances such as washing machines and dishwashers send more water into the sewer pipe system at a critical time. Therefore, NEW Water is requesting that if possible, please hold off using these appliances until the rain subsides. This should help give the pipes some much-needed relief.

**Jeff Bollier** @GBstreetwise · Sep 11

Hey #GreenBay and #BrownCounty, @NEWWater_WI is asking residents to avoid using washing machines and dishwashers right now as they overtax an already-overtaxed sewer system during heavy rains. Do your part to help out! #wiwx
Weather Events & Communications

Pinned Tweet
NEW Water @NEWWater_WI · Sep 11
Thanks everyone for helping out by limiting washing machine & dishwasher usage while our community’s sewers manage today’s flooding. Flows are leveling off now, but some pipes in the system may still be impacted. Until this weather event ends, we suggest limiting heavy water use.
“Unflushables”
Overview: “Something’s gotta give”

**Goal:** Reduce blockages and sewer issues associated with “The Unflushables” for public health, environmental protection, and lower costs

**Objectives**

- **Reduce costs.** Reduce homeowner property damage, backups to businesses, and damage mitigation costs to NEW Water.

- **Improve the environment.** Reduce “Unflushables” reaching the environment, including plastics (wipes and other products can contain microplastics, which can pass through to the environment).

- **Inspire behavior change.** Change people’s behavior to stop using their toilets and drains as trash cans.
Unflushables:
What is it?
Wipes & other products
Unflushables: Why should you care?
Unflushables
Costing NEW Water $
Unflushables
Costing Your Residents $
Unflushables

• What we have done
  • Public outreach & presentations
  • Pilot projects to physically measure & track unflushables
  • Produced public education materials #FlushFighters

• Next steps
  • Continue outreach & presentations
  • Continue pilot projects & potential new projects
  • Expand public education materials
    • Ad buy (bathroom stalls, newspapers, etc.)
    • Video production – if you’d like to participate in our “tone & messaging” video survey, please contact us

• Help us! We need you
  Tricia Garrison, tgarrison@newwater.us; Sharon Thieszen, sthieszen@newwater.us
Thank you!

www.newwater.us/3Ps
Thank you for coming!

Stay tuned to NEW Water news