



# Quarterly Update Meeting

*September 6, 2018*



*Protecting our most  
valuable resource,  
water*



# Today's Agenda

- Welcome & overview – Tom Sigmund
- Budget overview – Tom Sigmund
- Renard Island / waterfront development – Brian Vander Loop
- Green Bay Packaging update – Nate Qualls
- I&I: Flow Monitoring update – Nate Qualls
- Adaptive Management update – Bill Hafs
- WDNR Wastewater Collection System Certification and Study Guide – Sharon Thieszen



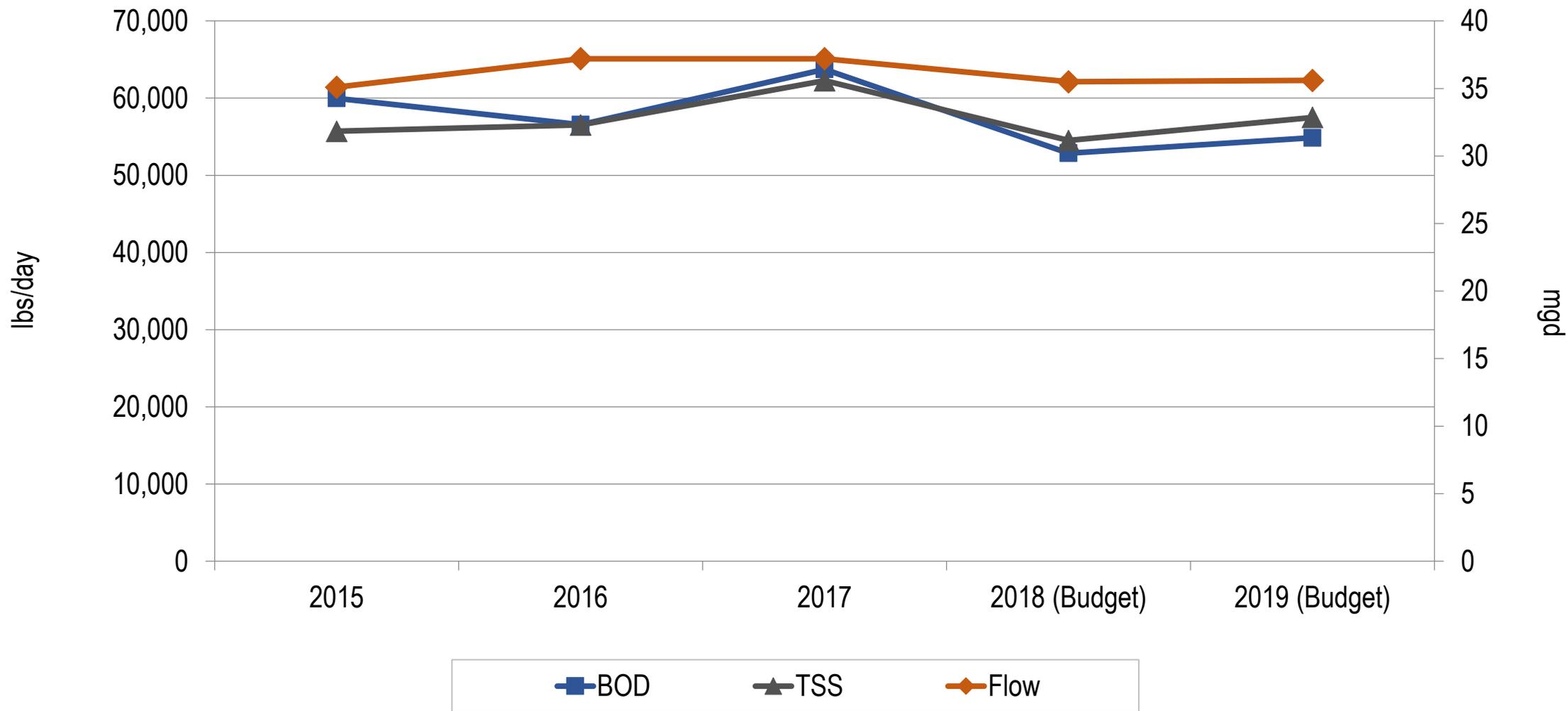
# Proposed 2019 Budget

September 6, 2018



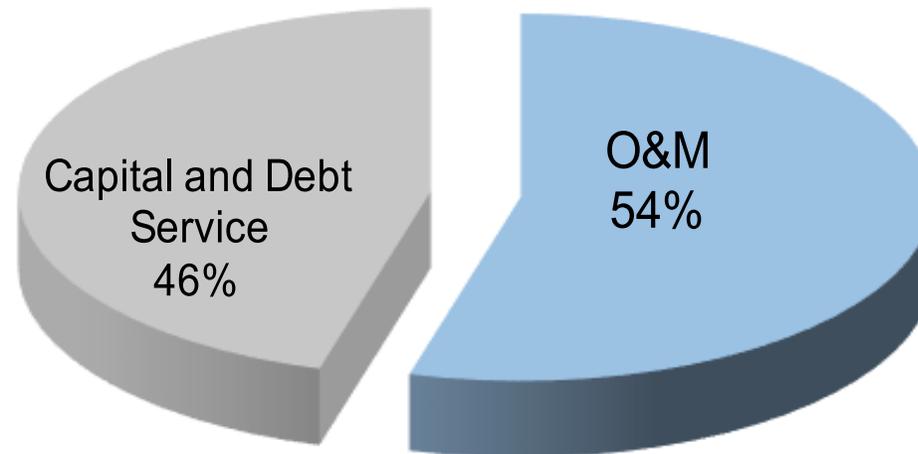


# Flows and Loads

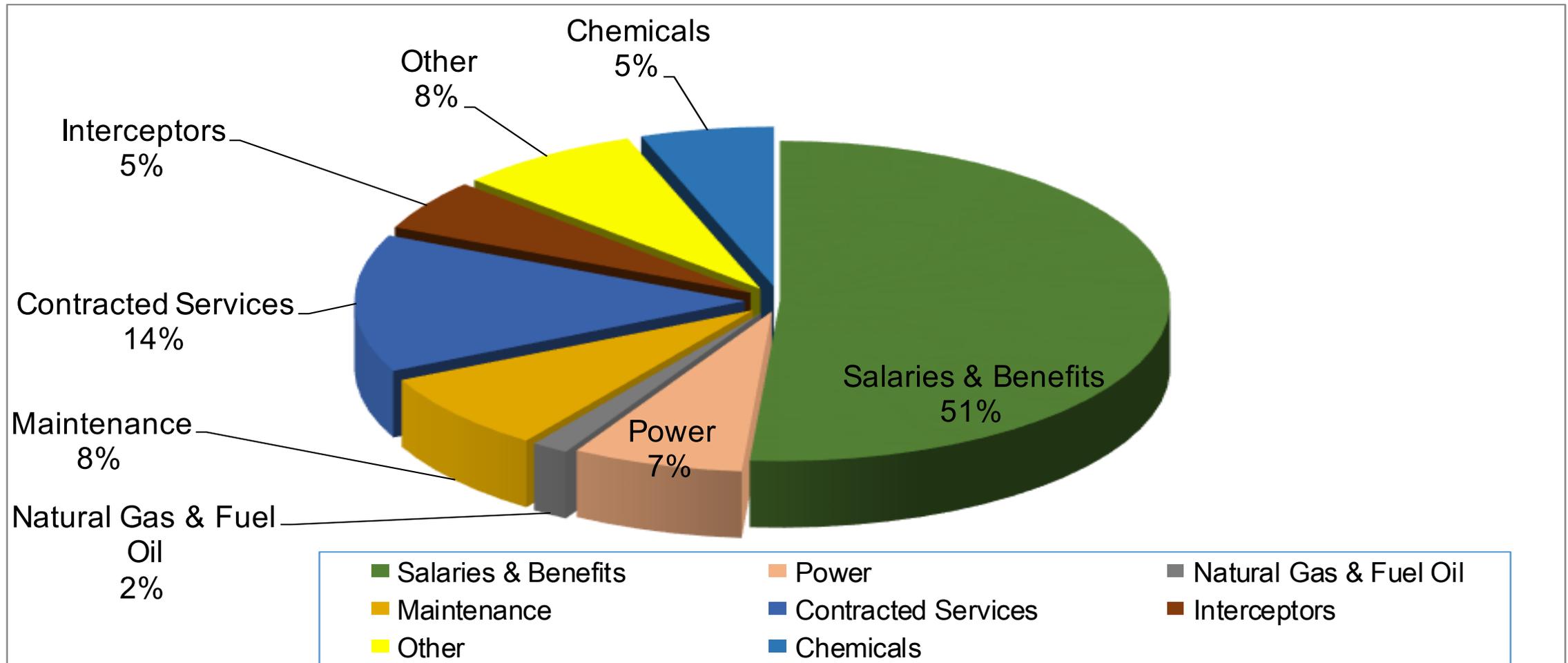


# 2019 Proposed Expenses

Budget Category	2018 Budget	2019 Budget
Operations & Maintenance (O&M)	\$21,649,280	\$21,168,328
Debt Service and Annual Capital	\$18,264,439	\$17,784,851
Total Expenses	\$39,913,719	\$38,953,179



# 2019 O&M Expense Distribution

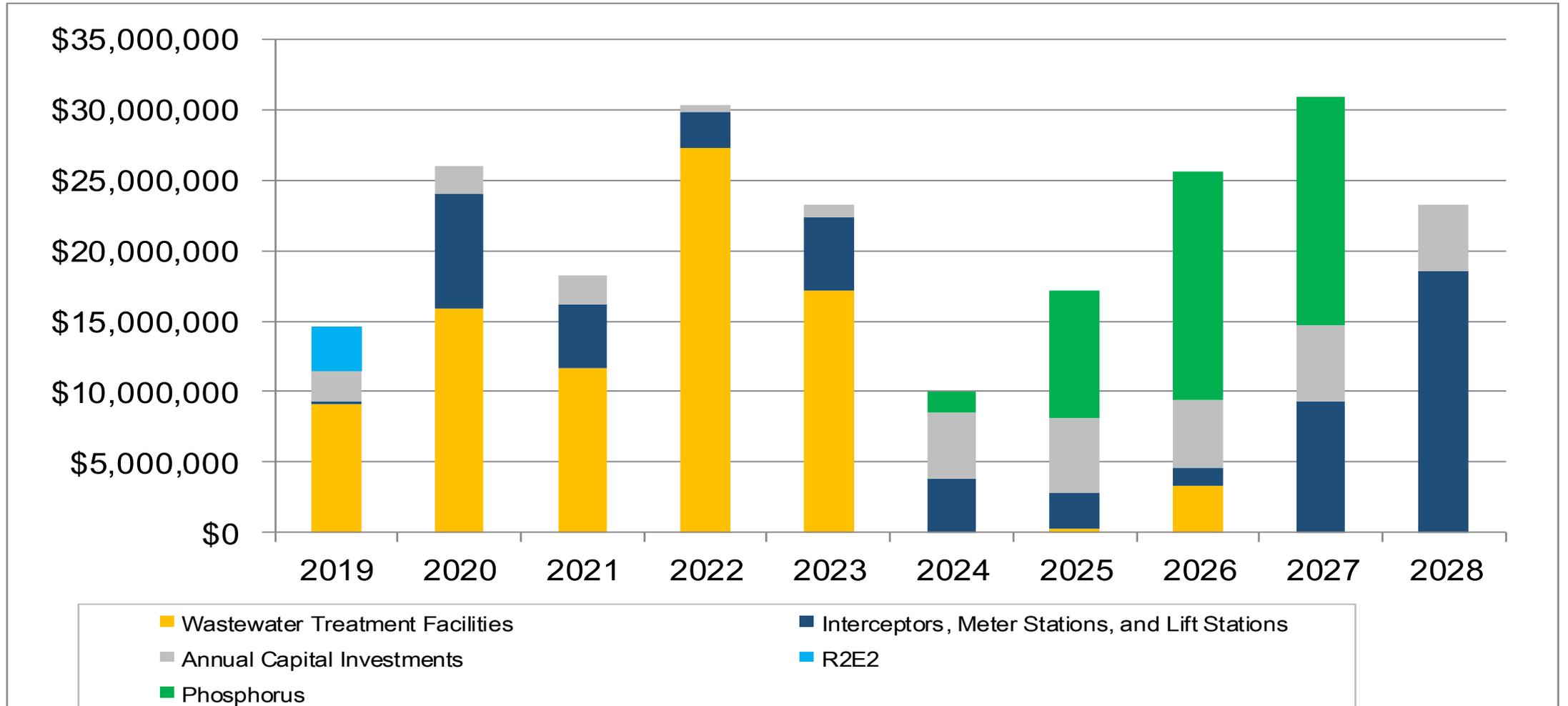




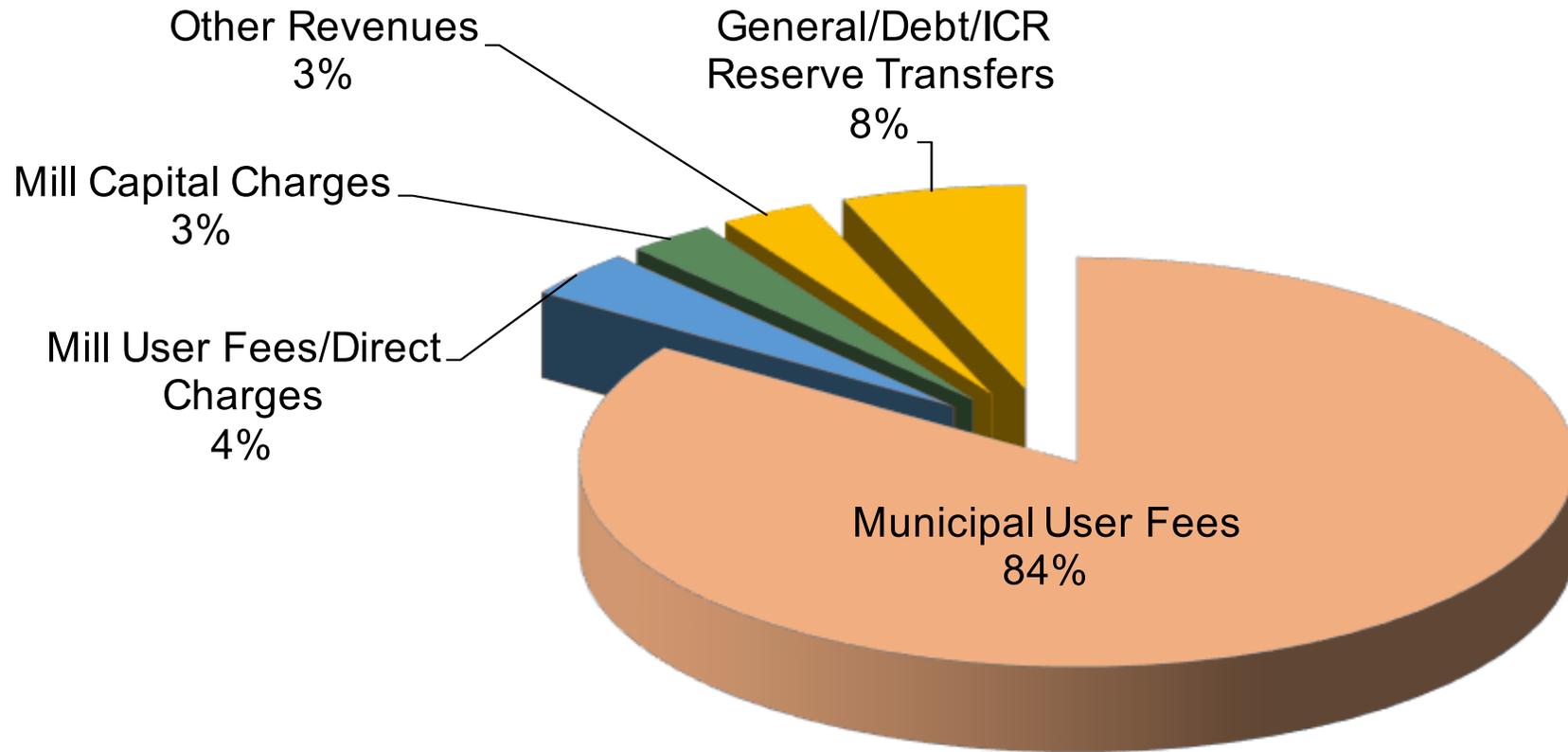
# 2019 Major Capital Projects

- R2E2 Contract 35 - \$4M
- GBF & DPF Clarifier Rehabilitation (design) - \$19M
- DPF Primary Substation & Emergency Generator - \$8M
- DPF Tertiary Filter Replacement (design) - \$8M
- GBF Gravity Belt Thickener Replacement (design) - \$5M
- GBF Reclaimed Water System - \$4M
- Ninth Street Interceptor Rehabilitation - \$3M
- East River Interceptor Rehabilitation – \$4M

# Proposed Long-Term Capital Projects



# 2019 Revenue Sources



■ Municipal User Fees

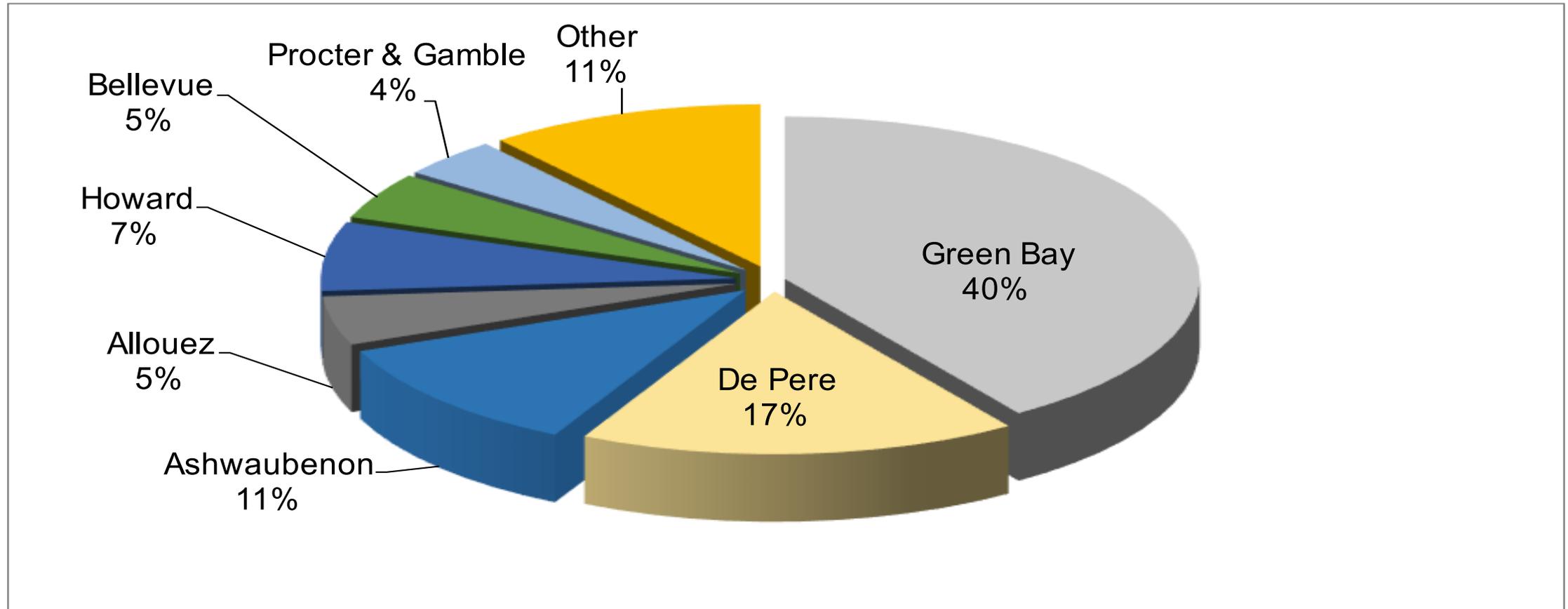
■ Mill User Fees/Direct Charges

■ Mill Capital Charges

■ Other Revenues

■ General/Debt/ICR Reserve Transfers

# 2019 Revenue Breakdown by Customer



*Other includes: Villages of Hobart, Luxemburg, Pulaski, and Suamico; Towns of Lawrence and Ledgeview; Dyckesville and Pittsfield Sanitary Districts; and Scott Municipal Utility*



# Municipal Rate Comparison

Parameter	2018	2019	% Change
Volume (1,000 gals)	\$0.86580	\$0.86776	0.2%
Biochemical Oxygen Demand (lbs)	\$0.60003	\$0.51092	-14.9%
Suspended Solids (lbs)	\$0.53842	\$0.51075	-5.1%
Phosphorus (lbs)	\$0.99086	\$0.89253	-9.9%
Total Kjeldahl Nitrogen (lbs)	\$0.93280	\$0.92466	-0.9%

Note: Rates shown above are for comparison only and include allocation of \$11,871,888 fixed charge for 2018 and \$11,560,153 fixed charge for 2019. Parameter rates billed to customers do not include fixed charge, that is billed separately.

An update was done to the Cost of Service Allocation for the 2019 budget that adjusted some cost allocations.



# 2019 Budget Summary

- Recommend a 2.4% decrease in budgeted total expenses
- O&M expenses decreased by 2.2% over 2018 budget
- WPS 0% electricity rate increase
- 2.6% reduction in capital cost over 2018 budget
- Offset most interceptor debt service using ICR reserve



# Next Steps

- All customer meeting on September 6
- One-on-one meetings for customers not able to attend the all customer meeting
- Second budget workshop (*September 26*)
- Customer meeting(s)
- Budget hearing and adoption (*December 5*)
- Customer notification



# Renard Island





# Renard Island – Strategic Master Planning

- Renard Island End-Use Committee
- Proposals, interviews and project awarded to SmithGroup JJR
- Master end-use planning objectives
  - Maximizing property value to Brown County citizens
  - Sustainability
  - Economic viability
  - Public health and safety
  - Recreational value
  - Environmental Impact with surrounding land uses



# Renard Island - Project Scope

- Renard Island End-Use Plan Design
  - Assessment of island limitations
  - Consider adjacent areas/consistency of use
  - Conceptual design options & ownership options
  - Market Analysis and Economic Feasibility Study
  - Funding options, phasing and estimated cost/5-10 years
- Public Involvement Process
  - Key partnerships: BC Board, City of GB, Friends of Bay Beach, BC Parks, BC Harbor Commission, McDonald Companies, NEW Water, WDNR and WPS
  - Adjacent stakeholders
  - Public and private involvement



# NEW Water's Concerns

- Fits Organizational Vision – Protecting Our Most Valuable Resource, Water
- Synergy with adjacent zoning and land uses
- Project is focused on Renard Island
- Public health and safety
  - Traffic, ingress and egress concerns
  - Industrial businesses along Quincy St. and Bay Beach Drive
  - Odor complaints
  - Sight and/or noise complaints
- Potential for developments along shoreline
- Potential impact to NEW Water rate payers
- ***So, please provide your input for the project!***



# Green Bay Packaging Update

- Ground has broken at the Green Bay Packaging site for their new facility on Quincy Street
- NEW Water has initiated designs of the reclaimed water system
- NEW Water is proud to partner with the company on their new facility

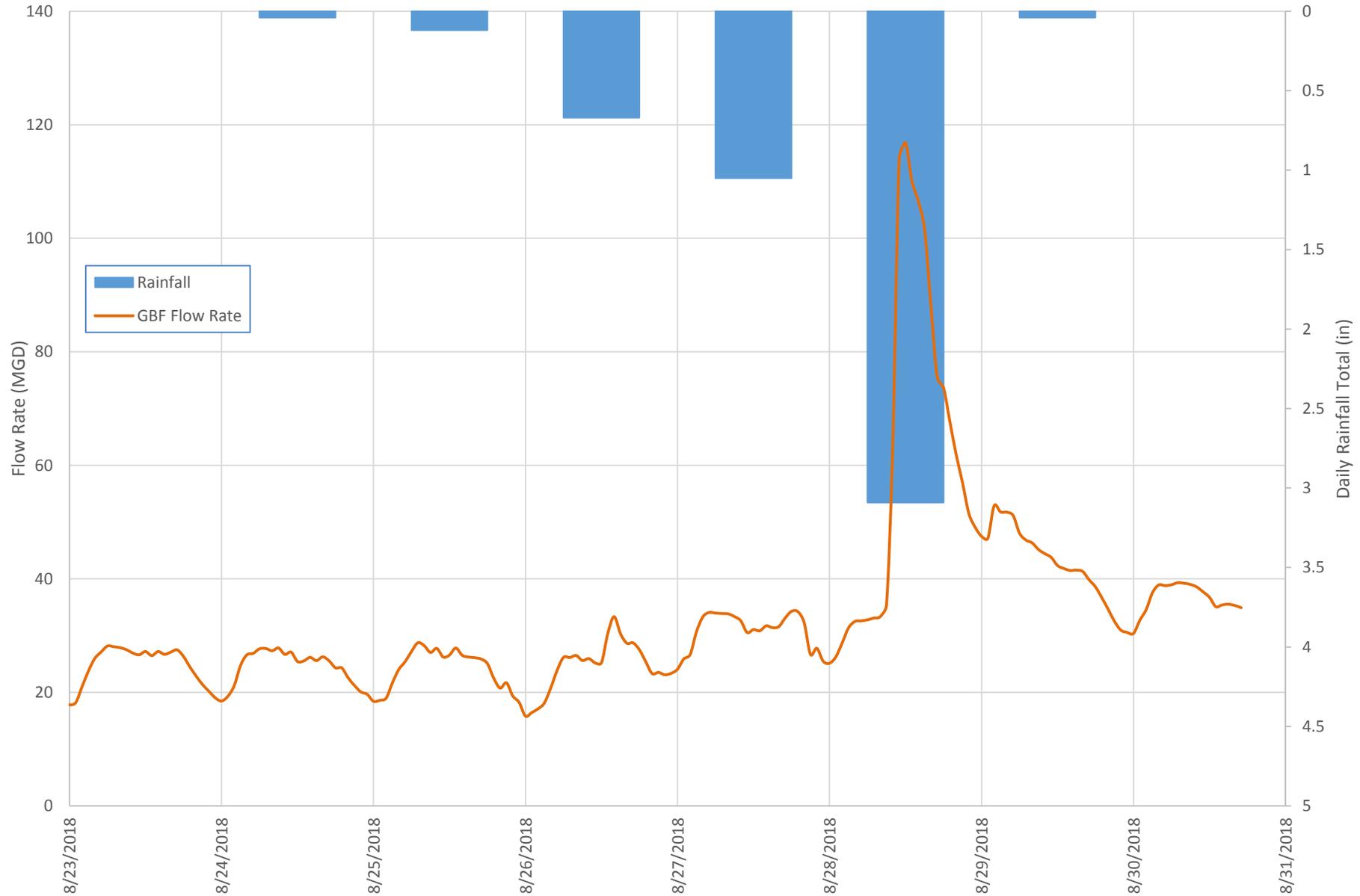


# I&I Flow Monitoring Plan Update

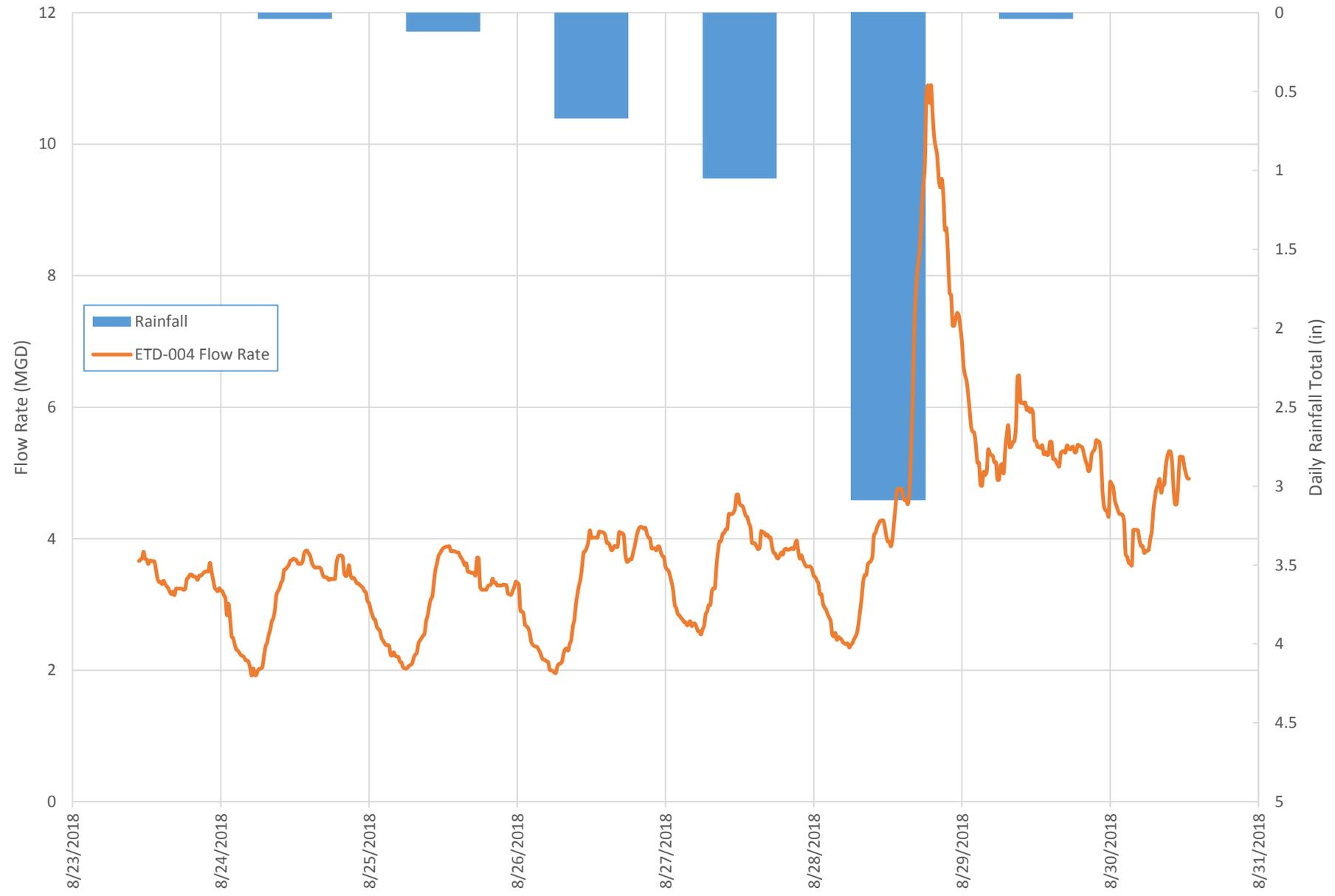
- Recent Rain Events have Impacted Flows
  - Hydrographs provided for discussion for the following flow meters:
    - Green Bay Facility
      - ETD-004 – Located on the East Tower Drive System before it connects to the Junction Chamber
      - ERI-006 – Located on the East River Interceptor before it connects into the Quincy Street Interceptor
      - FRC-005 – Located on the west side of the Fox River immediately before the siphon crossing
      - MS-06 – Located on the West Tower Drive Interceptor near Military Avenue
    - De Pere Facility
      - NEI-002A – Located on the east side of the Fox River immediately before the siphon crossing



### Green Bay Facility Hydrograph

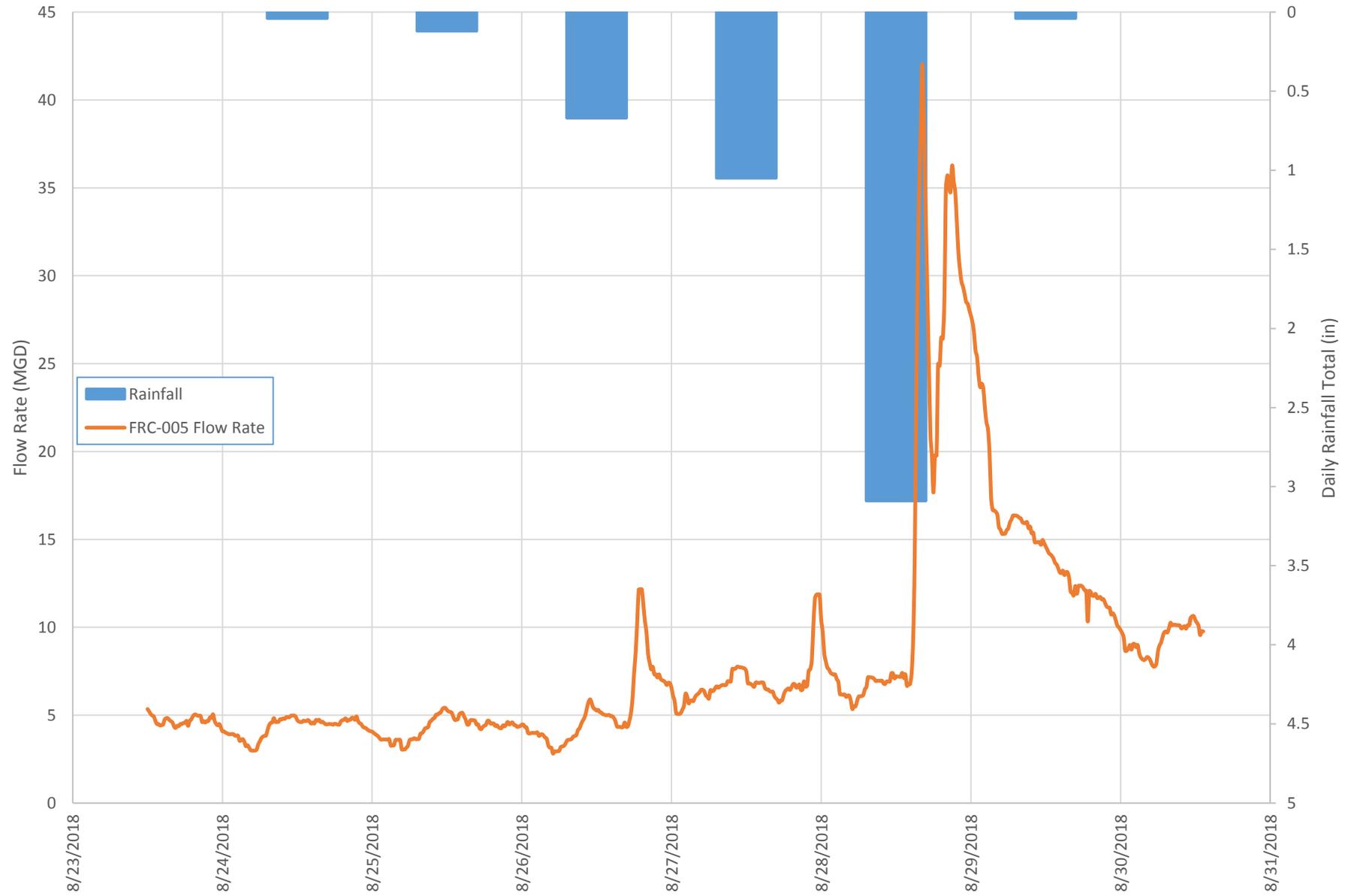


ETD-004 Hydrograph

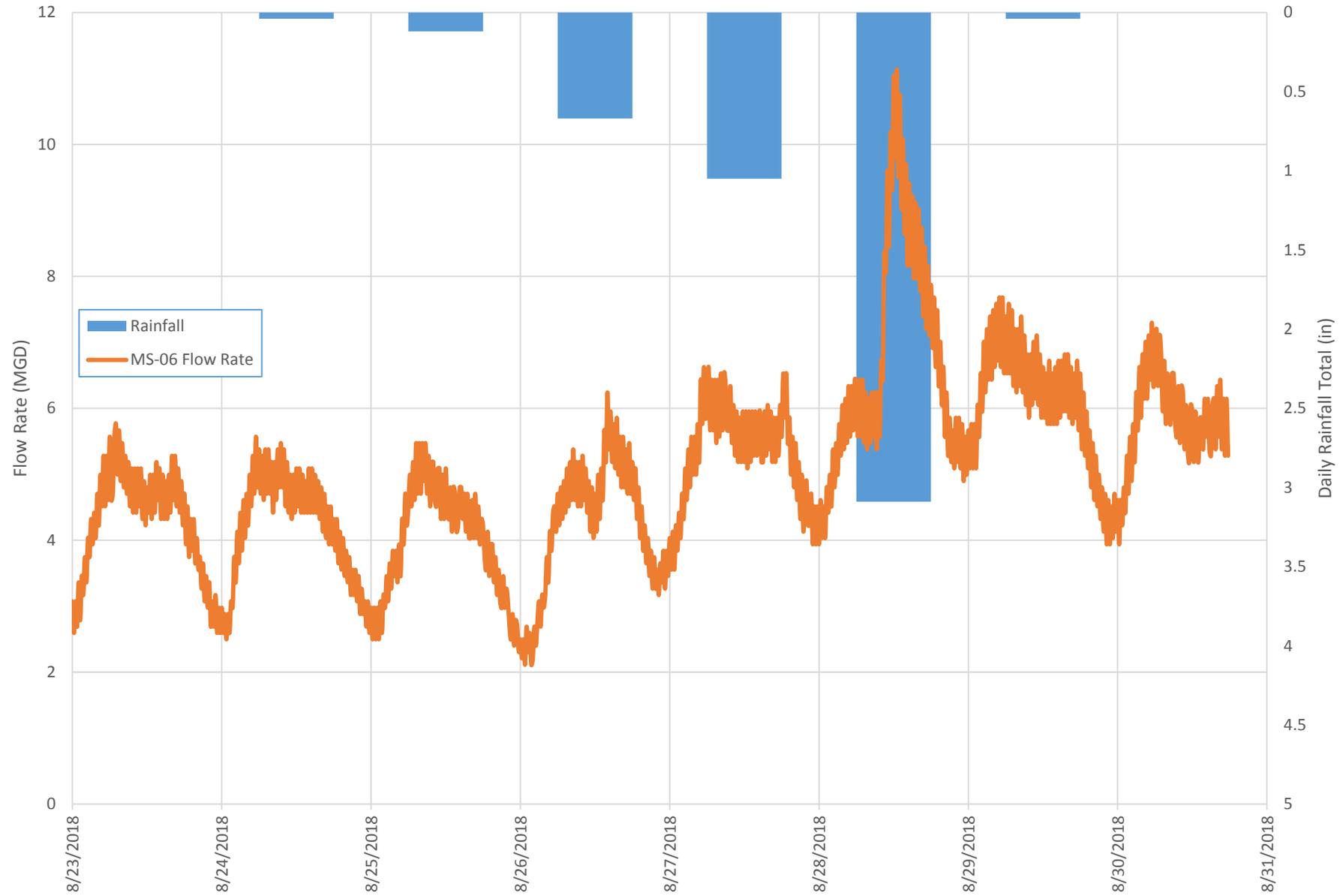




FRC-005 Hydrograph

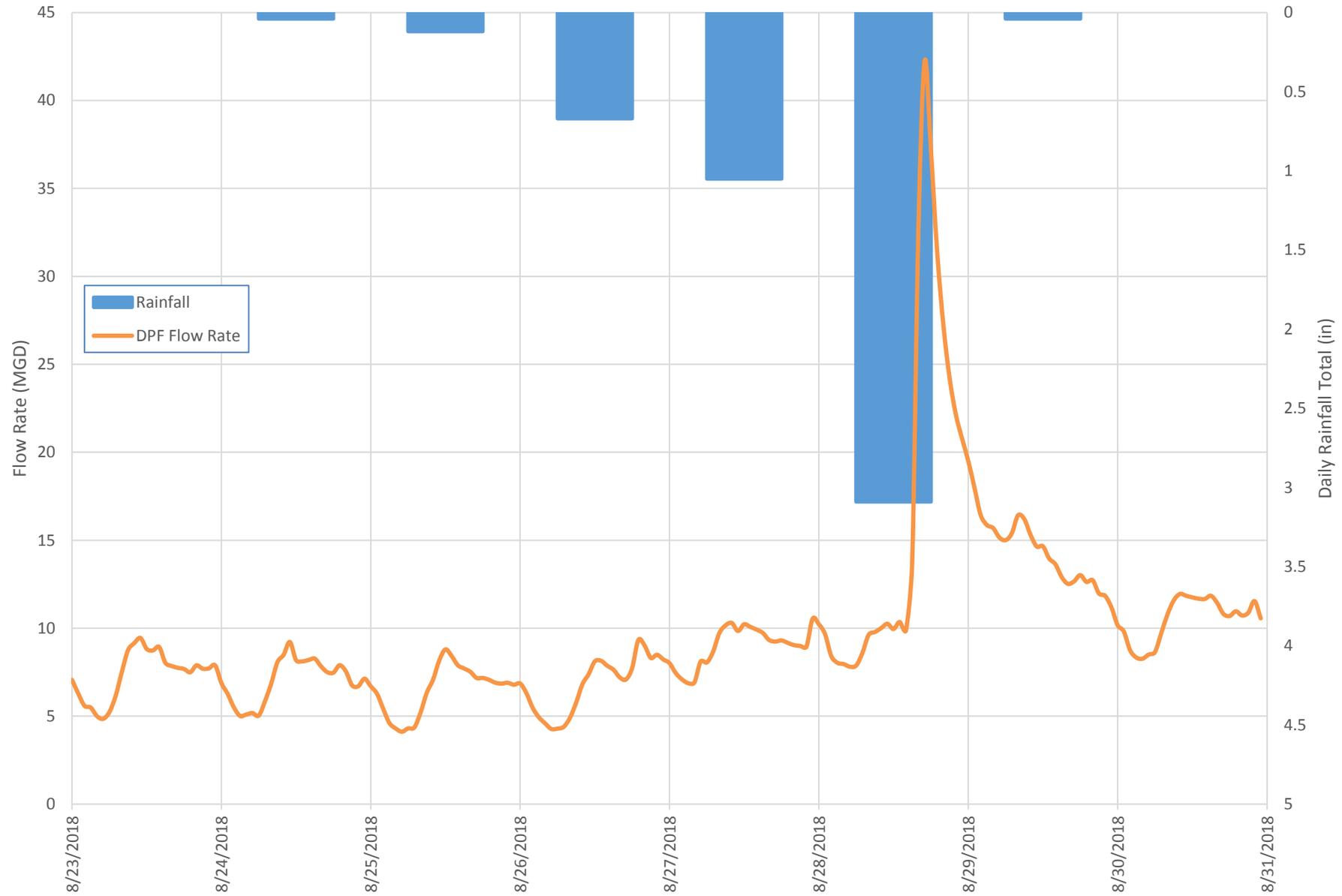


MS-06 Hydrograph



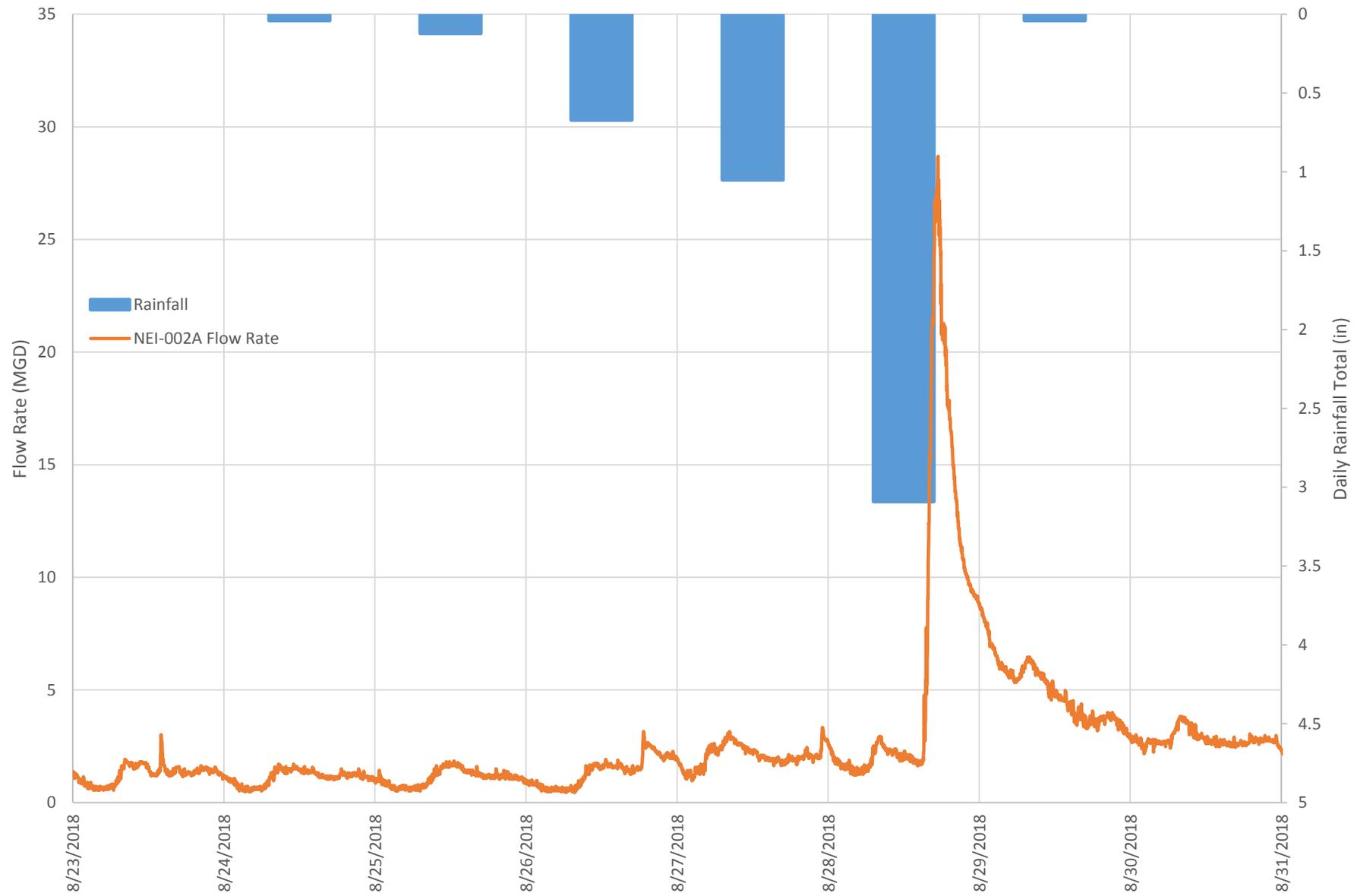


De Pere Facility Hydrograph





NEI-002A Hydrograph





# I&I Flow Monitoring Plan Update

- How is the flow monitoring information used?

Narrow down areas with larger peak flow rates for further study

- Compare to modeling information
- Use to calibrate model to finer detail
- Comparison of allocated and actual flows
- Over time
  - Monitor changes in dry weather flow to track growth
  - Possibly monitor improvements to reduce I&I



# WDNR Wastewater Collection System Certification and Study Guide

- Certification Requirements for Wastewater - NR 114
  - Revisions effective July 1, 2015
- Collection System Subclass (SS)
  - Treatment Plants - Certified Operator is Required
    - Five years to achieve certification*
  - Satellite Systems – Certification is Voluntary
    - DNR highly recommends*** satellite systems have a certified operator in collection systems

# WDNR Wastewater Collection System Certification and Study Guide

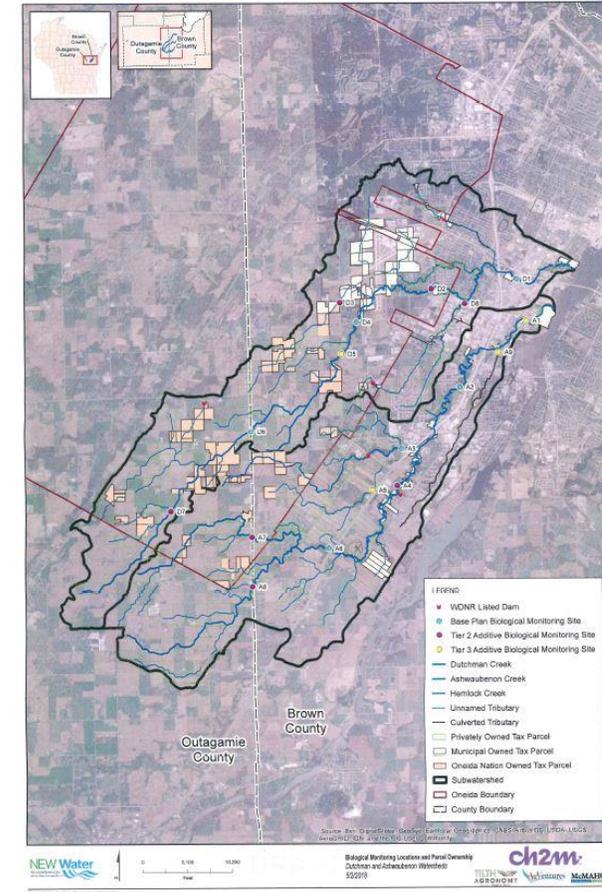
- Collection System Study Guide
  - Published August 2018
- Certification Exam
  - November 7, 2018 – Green Bay (additional dates in 2019)
  - Application due October 10, 2018
  - Application Fee is \$25
  - Exam is 50 questions, multiple choice
  - General wastewater exam is not required for SS subclass



- <https://dnr.wi.gov/regulations/opcert/wastewater.html>

# Adaptive Management

- NEW Water launching full-scale
- Asking customer support
- Contact: Bill Hafs, [whafs@newwater.us](mailto:whafs@newwater.us)  
(920) 438-1040





*Thank you for coming!*