Overview of Today’s Update

- Welcome! Second quarterly update: Combined R2E2 with Update Meeting
- Strategic Planning: 2015
- Budgeting Process Underway
- R2E2 Update
- Interceptor Master Plan Update
- Adaptive Management
- Sustainability Initiatives
- WPDES Permit
- For Municipal Customers: CMOM workshop
Strategic Planning Underway

- Last plan 2009
- Convening leadership team and Commission in early June to strategize
- External survey: Stakeholder feedback is vital to success
- What is next for NEW Water over the next 3-5 years
- Updated plan in October 2015
NEW Water Budget

- 2014 financial audit complete
- 2016 budget currently being developed
- Budgeting begins in March; budget runs off calendar year January – December
- First budget workshop with Commission in August
- 2016 budget will be approved in early December

- $300 million in fixed assets
- 110 miles of interceptors
- 1,183 manhole structures, air releases, lift stations, wet wells, meter stations, junction chambers
- Aaa bond rating from Moody’s
- 24/7/365 Services Provided to NE Wisconsin
Resource Recovery & Electrical Energy (R2E2)

- Contract 33 Update
- Contract 34 Timeline
- Contract 34 Preliminary Bid Results
- Contract 35 Summary
- Budget Summary
R2E2 Contract 33 Update

- New Switchgear Building in service
  - Current plant power coming from New Switchgear Building
- Old Primary Substation has been demolished
- New Storage Building turned over
- Achieved Substantial Completion
- Punch list work ongoing
R2E2 Contract 34 Timeline

- April 6 – Went out for bid
- June 3 – Bids were opened at 2:00 pm
- June 24 – Commission Meeting for approval of recommended contractor
- Late July – Start mobilization & excavation
- Major Milestone Dates
  - October 2016 – Septage Receiving
  - January 2018 – Solids Facility
  - March 2018 – Digestion
  - April 2018 – Substantial Completion
  - August 2018 – Final Completion
These bid results are preliminary and require extensive review prior to determination of lowest, responsible, responsive bidder.

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<tr>
<th>Prime Contractor</th>
<th>Mechanical Subcontractor</th>
<th>Electrical Subcontractor</th>
<th>Lump Sum Bid Amount</th>
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<td>Engineer’s Estimate</td>
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R2E2 Future Contract 35

- Demolition of existing Solids Building
- Late 2018/Early 2019
- Approximately one year to complete
R2E2 Budget Summary

Updated capital cost estimate: $169,000,000
Interceptor System Master Plan Update

• Purpose and Objectives
  – To prepare an Interceptor System Master Plan that enables NEW Water to plan for and meet its customers’ desired service levels at an acceptable level of risk and at the lowest lifecycle cost.

• Sanitary Sewer Interceptor System
  – 78 miles of gravity sewer
  – 25 miles of force main
  – 13 lift stations
  – 29 permanent metering / sampling stations
Interceptor System Master Plan Update

• Project began in May 2014 and is scheduled to be completed in early 2016.

• Project Team
  – Consultant is Donohue & Associates
  – NEW Water Project Team
    • Lisa Sarau, Nathan Qualls, Bill Angoli, Rob Reinhart, Brian Vander Loop and Matt Schmidt
Interceptor System Master Plan Update

- Phase 1 Tasks
  - Regulatory Review
  - Climate Change Review
  - Review of Existing Owner Agreements
  - Condition Assessment of Existing System
  - Review of Existing Interceptor Database and Selection of Software for Hydraulic Modeling
  - Development of a Flow Monitoring Plan
Interceptor System Master Plan Update

• Phase 2 Tasks
  – Implementation of Flow Monitoring Plan
  – Inflow and Infiltration Analysis
  – Hydraulic Modeling of the Interceptor System
  – Development of 20-Year Interceptor Capital Improvement Plan

• Stakeholder Advisory Group & Customer Communication
  – Form prior to CIP development process
Adaptive Management: Silver Creek

Progress:
Building awareness of $1 billion dollar Phosphorus cost
Coordination with Partners
Water quality monitoring
Soil testing
Field walks to identify conservation needs 50%
Conservation negotiations with landowners

Grants:
Great Lakes Restoration Initiative - $1.68 million (5 yrs)
Natural Resources Damage Assessment - $100,000
Ducks Unlimited- $140,000

- Fish Creek Road: 0.136 mg/L Total P
- Crook Road: 0.521 mg/L Total P
- County U: 0.140 mg/L Total P
- Florist Drive: 0.116 mg/L Total P
- Hwy 172: 0.138 mg/L Total P

Water Quality Standard: 0.075 mg/L Total P
Silver Creek soil sampling
Next Steps

• Field walks completed 2015.
• SNAP Plus (Soil nutrient application planner) modeling.
• Soil and Water Assessment Tool (SWAT) modeling (USDA) - watershed basin model.
• Prioritization of best management practices.
• Begin/continue implementation of BMP’s.
Silver Creek Implementation

Planting up to edge of stream, no buffer, no conservation tillage.

Conservation tillage 2015.
Thanks to Grants:
Silver Creek Kids’ Monitoring Project

• Great Lakes Restoration Initiative grant
• Oneida High School and Bay Port High School
• Students had kick-off event in May
• Educational program is helping to create watershed champions
Sustainability: Trees
Sustainability: Permeable Pavement

• Permeable pavement helps with urban runoff
• NEW Water is looking into this for its own facility
• NEW Water will host a presentation on June 23
• Contact Bill Hafs if you’d like to attend
WPDES Permit Update

• Draft agreement with DNR on WPDES permit challenge
• Incorporate Adaptive Management for suspended solids, similar to phosphorus
• Will lead to revised and re-issued permit
• Revised permit expected in fall of 2015
DNR Sanitary Sewer Overflow Rule

- Wisconsin Department of Natural Resources new rule went into effect August 2013
- All permit holders – including municipalities - are required to submit a Capacity, Management, Operations and Maintenance Plan (CMOM) by August 1st, 2016
- Workshop entitled “The Basics to Comply with the New DNR SSO Rule” is being held June 16 in Clintonville
- To register, contact Joan Hawley at 414-232-1520 or joan@superior-eng.com
- Registration form is on NEW Water’s website
Thank you for coming!
Questions/Comments?

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