

Metropolitan Water Reclamation District of Greater Chicago

Capital Improvements Program

Board of Commissioners Study Session
September 6, 2018

Catherine A. O'Connor, Director of Engineering



2018 Contract Completions

Preservation of Infrastructure

- Contract 06-212-3M Calumet TARP Pump Station, New Pumps \$37 Million
- Contract 13-246-3M Calumet TARP Pump Station, New Screens \$12.7 Million
- Contract 02-111-3M Mainstream TARP Pump #8 Rehabilitation \$4.6 Million





2018 Construction in Progress

Preservation of Infrastructure

- Contract 09-182-3E Electrical Switchgear Replacement at SWRP \$12.8 M
- Contract 16-077-3E Electrical Switchgear Replacement at Devon Ave. Aeration Station \$0.6 M



5



2018 Construction in Progress

Improve Environmental Quality

- Contract 15-122-3P Aeration Tank Air Valve Automation at SWRP \$6.7 M
- Contract 15-074-3D Provide Baffle Plates on Final Settling Tanks to Improve Effluent Quality at the O'Brien WRP \$1.4 M
- Contract 15-124-3P Conversion of Two Gravity Concentration Tanks to Primary Sludge Fermenters at SWRP \$4.1 M
- Contract 04-128-3P New West Side Primary Settling Tanks 1-9 and Aerated Grit Facility at SWRP \$232.5 M

6



2018 Planned Contract Awards

Preservation of Infrastructure

- Contract 15-830-3D Replacement of Tailrace Stop Logs, Equipment, and Head Gates at the Lockport Powerhouse \$10 M



9



2018 Planned Contract Awards

Preservation of Infrastructure

- Contract 17-276-3D Structural Repairs and Roofing Replacement at 95th Street Pumping Station \$5 M



10

 **2019 Initiatives**

Major Planned Contract Awards

- Contract 17-140-3P Digester Rehab and Gas Piping Replacement SWRP \$15 M

13

 **2019 Initiatives**


Major Planned Contract Awards

- Contract 18-277-3M Digester Sludge Heating System Upgrades and Boiler Removal CWRP \$10.5 M

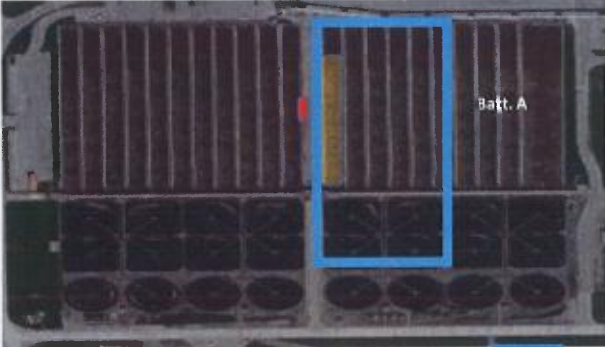
 




14

 **2019 Initiatives**

Major Planned Contract Awards

- Contract 18-248-3P Construct Pilot Study RAS Fermentation at the Calumet WRP \$1M



 Pilot Battery
 RAS fermentation zone
 HSOM tank

 **2019 Initiatives**

Major Planned Contract Awards

- Contract 07-027-3S North Side Sludge Line Replacement, Section 1 \$14.3 M



 **2018 Contract Completions**

Commitment to Community

- Albany Park Tunnel
- Completion of Green Infrastructure (GI) and Phase II partnership projects:
 - Skokie GI project
 - Northlake streambank project
- 58 Flood-Prone Properties Acquired





21

 **2018 Contract Completions**

Commitment to Community

- Flood Control Project on Cherry Creek \$3.3M
- Continued Space to Grow program partnership
 - 5 schoolyard transformations completed in 2018
 - John W. Cook Academy
 - Nathan S. Davis Elementary
 - Fernwood Elementary
 - Eugene Field Elementary
 - Morton School of Excellence




22



2018 Contract Awards

Commitment to Community

- Approvals for Green Infrastructure, Phase II, and Flood-Prone Property Acquisition Projects
 - 20 New Green Infrastructure Projects
 - 14 New Shovel Ready Phase II Projects
 - 6 New Conceptual Phase II Projects
 - New Flood-Prone Property Acquisition Projects (3 projects under review based on recent solicitation)

25



2019 Initiatives

Major Planned Stormwater Contract Awards

- Addison Creek Channel Improvements \$42.6M
- Farmers-Prairie Creek Flood Control Project \$14.1M
- Deer Creek Flood Control Project \$6.5M
- Midlothian Creek Flood Control Project \$11M

26