WATER TREATMENT PLANT PLANNING RESOURCES

• Reference Documents
  - Water Treatment Plant Evaluation (ongoing)
  - West Filter Master Plan (2018)
  - Structural assessments (various)
  - Roof Condition Survey (2013)
  - Cost of Service Rate Model (ongoing)
  - Asset valuation reports (various)
  - Etc.
WATER TREATMENT PLANT PLANNING GUIDELINES

• Regulatory requirements
  − Safe Drinking Water Act
  − Lead and Copper Rule
  − Disinfection Byproducts Rule
  − 10 State Standards

• Wholesale water contracts requirements
  − Asset valuations
  − Reliability
  − Capacity requirements

• Industry Standard Practices
WATER TREATMENT PLANT
LONG-TERM CONCERNS

• Aging infrastructure
  − Original intake built in 1908
  − Original treatment plant built in 1914
  − Original 5 million gallon reservoir built in 1934

• Funding
  − Maintain current reliable funding stream
  − Resolve Skokie contract issues (currently underpaid by $2 - $4 million)
STREET / WM / SEWER / TRANSPORTATION PLANNING RESOURCES

• Reference Documents

  www.cityofevanston.org/engineering-reports
  - Streetlight Master Plan (2019)
  - Complete and Green Streets Policy (2017)
  - Bike Plan Update (2014)
  - Multi-modal Transportation Plan (2009)
  - Street Condition Survey (ongoing – not yet available)
STREET / WM / SEWER / TRANSPORTATION
PLANNING GUIDELINES

• Existing Targets
  − Established funding levels
  − Rules of thumb
    − Water Main & Sewer – 1% of system / year

• Maintenance / Operational / Safety
  − Resident feedback
  − Accident data
  − Known maintenance issues (ex. water main break history)
  − Bridge inspection information
STREET / WM / SEWER / TRANSPORTATION PLANNING – LONG-TERM CONCERNS

• Age of Infrastructure
  – Average age of water main
  – Condition of sidewalks / streetscapes

• Larger Safety Issues
  – Bicycle/pedestrian traffic management
  – ADA / age-friendly
  – Speeding

• Change in Grant Funding Requirements
  – Complete and green streets discussion
  – Phase I engineering required
PARKS PLANNING RESOURCES

• Reference Documents

www.cityofevanston.org/engineering-reports

- Parks Scorecard (2016)
- Lakefront Master Plan (2008)
- Ladd Arboretum Master Plan (2007)
- Parks Strategic Master Plan (2001)
PARKS PLANNING GUIDELINES

• Existing Targets
  - Established funding levels

• Maintenance / Operational / Safety
  - Resident feedback
  - Playground safety inspection reports
  - Surfaces condition (courts, pathways, grass areas)
  - Condition of support infrastructure (lighting, underground infrastructure)
PARKS PLANNING – LONG-TERM CONCERNS

• Improvements are reactive, not planned
• Changes to accommodate new recreation modes are not planned for
• Long-term funding levels not considered
FACILITIES CIP PLANNING RESOURCES

• Reference Documents
  www.cityofevanston.org/engineering-reports
  - ArcFlash Study (ongoing)
  - Citywide Generator Evaluation (2017)
  - Citywide Roof Assessment (2016)
  - Staff building assessments (ongoing)
FACILITIES CIP PLANNING GUIDELINES

• Existing Targets
  − Established funding levels

• Maintenance / Operational / Safety
  − Life safety issues
  − Critical building systems – Building Envelope, Electric, HVAC, Fire Protection, Elevators)
  − Sustainability
  − Finishes and functionality (lowest priority)
FACILITIES CIP PLANNING – LONG-TERM CONCERNS

• Multiple buildings require substantial investment to stay operational
  • Crown Community Center
  • Civic Center
  • Noyes Cultural Arts Center
  • Police & Fire HQ
  • Parking garages (3 total)
  • Animal Shelter
  • Fire Station 4
FACILITIES CIP PLANNING – LONG-TERM CONCERNS

• Multiple buildings face challenges because they were not designed for current use
  • Civic Center
  • Noyes Cultural Arts Center
  • Police & Fire HQ
  • Animal Shelter
  • Fire Station 4

• Reactive vs. long-term planning
• Reliable funding source that increases over time
QUESTIONS
AND
DISCUSSION