

# Business Item 2019-96: **Blue Lake Polymer Contract**

Joe Ward, Principal Engineer, Support Services

Environment Committee: April 23, 2019



# What is sludge?

- Particles that settle naturally (primary sludge in gravity thickeners)
- Excess microorganisms (secondary sludge in aeration tanks)



# What is polymer?

- Made of mineral oil (light naphtha), polyacrylamide, and water
  - Raw materials are oil and natural gas
- Causes sludge particles to agglomerate (flocculation)
- Allows dewatering equipment to separate solids from water





# Background

- Invitation for Bids – October 26, 2018
- Two responsive bids for two-part solicitation
  - Part 1 – Product Information – Opened December 18, 2018
    - Evaluation process – full-scale performance evaluation
  - Part 2 – Cost Information – Opened March 20, 2019
- Polydyne, Inc. met evaluation process requirements at lowest cost
- \$750,000 annual expenditure, 5-year contract not to exceed \$3,750,000

# Proposed Action

- That the Metropolitan Council authorize its Regional Administrator to award and execute Contract 18P280 to Polydyne, Inc. to provide polymers to the Blue Lake Wastewater Treatment Plant. This contract will be for a period of five years with the total procurement not to exceed \$3,750,000.

# Questions

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