

**Business Item 2021-138 SW:**  
**Empire Wastewater Treatment Plant**  
**Solids Improvements Phase II, Contract**  
**20P182**

Heidi M. Hutter, Principal Engineer, Plant Engineering

Environment Committee: July 13, 2021



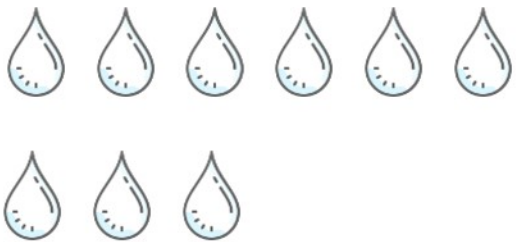


# Background

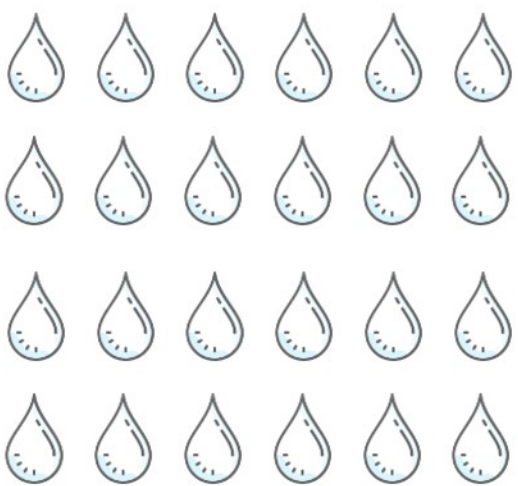


## Capacity Growth

1979  6 MGD

1992  9 MGD

1999  12 MGD

2005  24 MGD

2013 Solids Facility Plan Adopted



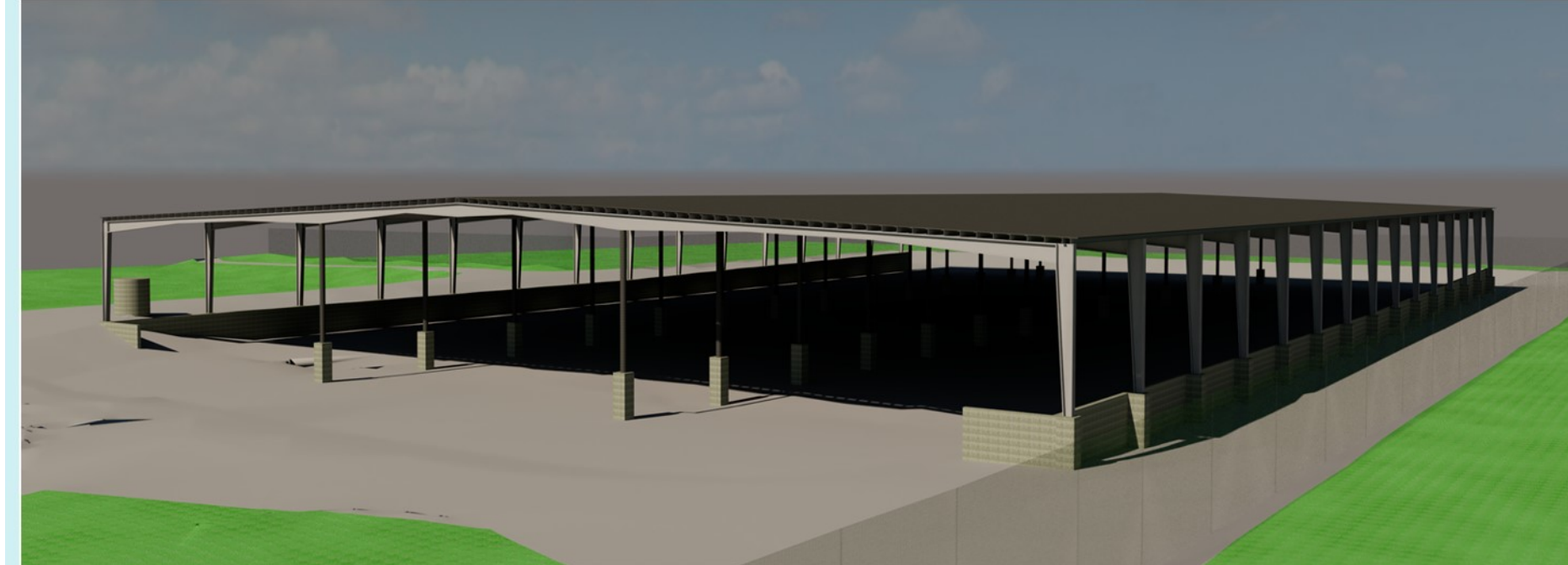
2005 - Solids Processing Capacity Expansion was Deferred



# Phase I Council Approved Facility Plan Project Elements

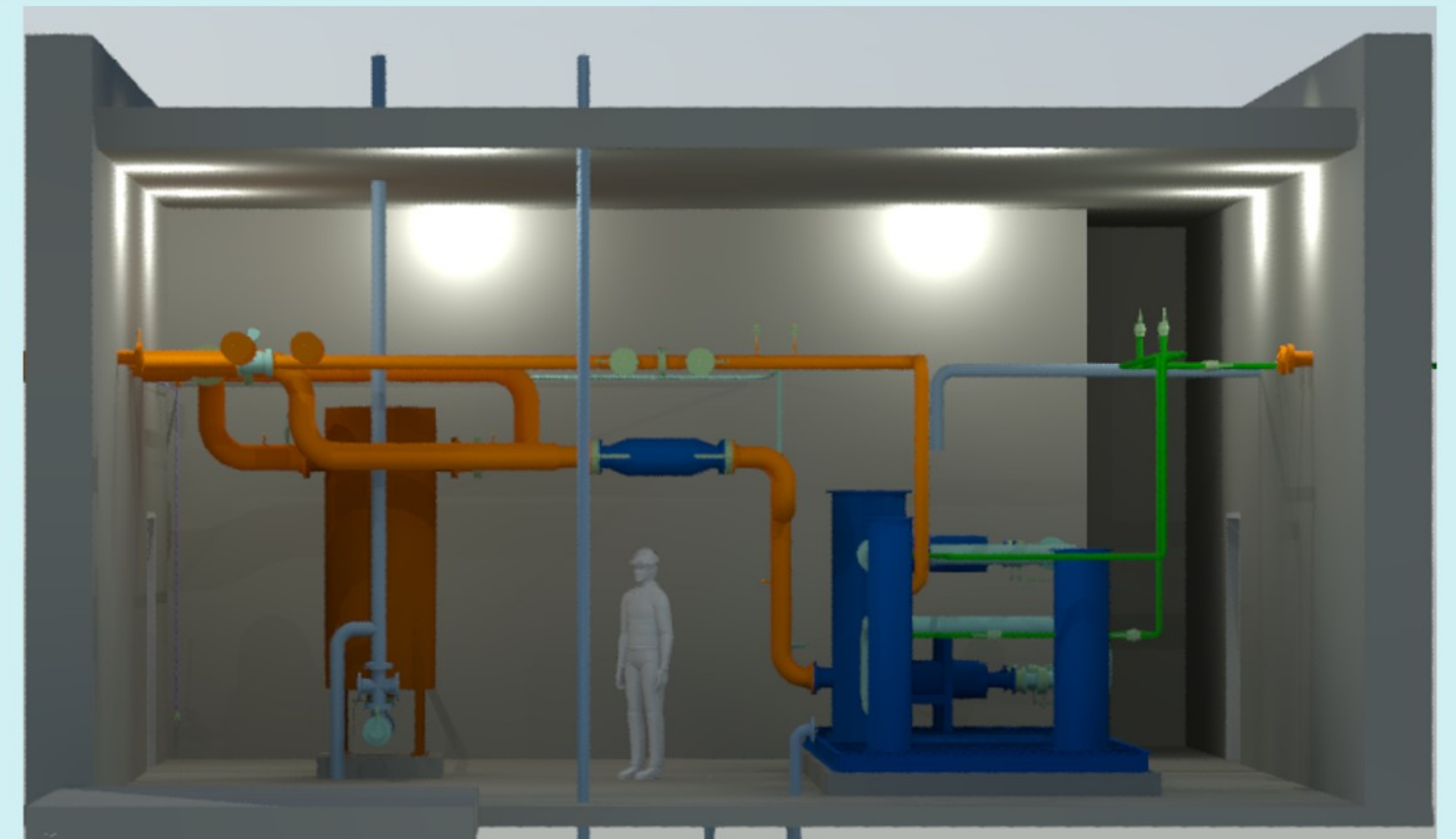
## Biosolids Pad Improvements

- Increase Biosolids Storage Capacity
- Increase Stormwater Infiltration



## Partial Biogas Treatment

- Energy Efficiency Improvements
- Future Renewable Energy Generation



## Boiler System Renewal

- Asset Renewal through Capital Investment
- Energy Efficiency Improvements





# Phase II Council Approved Facility Plan Project Elements

## Digester Conversion

- Increase Solids Processing Capacity
- Energy Efficiency Improvements

## Biogas Treatment

- Energy Efficiency Improvements
- Renewable Energy Generation

## Combined Heat and Power

- Energy Efficiency Improvements
- Renewable Energy Generation



# Bid Summary

- Two Bids Received on April 27, 2021
  - First bid, Total Mechanical was \$15,665,585.70
  - Second bid, Rice Lake Construction Group was \$15,802,000
- Disadvantaged Business Enterprise (DBE) Goal 9%
  - Office of Equal Opportunity (OEO) determined that the DBE requirements for this contract have been met.
  - Total Mechanical is the lowest responsive, responsible bidder.

# Proposed Action

That the Metropolitan Council authorize its Regional Administrator to award and execute a construction contract for the Empire Wastewater Treatment Plant Solids Improvements Phase II, MCES Project Numbers 807401, Contract No. 20P182, with Total Mechanical, for an amount not to exceed \$15,665,585.70.

# Questions

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