



# Business Item 2023-299

Metropolitan WWTP Solids Renewal and Improvements –  
Increase of contract value



Environment Committee: December 12, 2023

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# Background

Several factors caused the need for the proposed action:

- Complexities of the scope of work with the need for field redesign.
- Condition assessment that added replacement of critical assets not originally covered in the scope of work.
  - Incinerator 1 & 3 Secondary Superheaters
- Contractor Delay Claim due to AIS waiver issue for Cake Piping System High Pressure Ball Valves.
  - Delay claim was resolved through mediation.

These change orders and the mediated claims resolution exceed the original contract value by \$2,059,947 (approximately 10.7%)

# Background

## Metropolitan WWTP Solids Renewal & Improvements

This project provided for construction, renewal, and improvements of the following systems:

1. Sludge Loadout & Landfill Odor Control Renewal
2. Sludge Loadout & Landfill Improvements
3. Cake Pump Piping Modifications
4. Auxiliary Condenser Improvements
5. Instrumentation & Controls Improvements
6. Fluid Bed Incinerator Renewal
7. Waste Heat Boiler Tube Replacement
8. Baghouse Rehabilitation
9. Scrubber Modifications
10. Sludge Storage Mixing Improvements
11. BF08 Vent Reroute
12. Roof Replacements

Added to the project after taking out of service for condition assessment:

Incinerator 1 – Secondary Superheater

Incinerator 3 – Secondary Superheater



# American Iron & Steel (AIS)



**Forty (40)**  
**High Pressure Ball Valves**  
**\$1,600,000**

## What is AIS?

- American Iron and Steel (AIS) is a requirement for any project receiving financial assistance from the State Revolving Funds (SRFs).
- AIS requires iron and steel products used in the project be produced in the United States.
- This requirement applies to projects receiving SRFs for construction, alteration, maintenance, and/or repair of a public water system or treatment works.

## AIS issues

- Two non-AIS compliant manufacturers listed in specification
- Design team not aware of who needed to apply for waiver
- Non-AIS compliant valves approved during submittal review
- Contractor assumed MCES had an AIS waiver
- MCES started waiver process after compliance issue was recognized.
- Waiver took two and a half months; submittal to approval

# American Iron & Steel (AIS)



## Lessons Learned for AIS compliance

**MCES is ultimately responsible for obtaining the waiver from the EPA not the consultant or contractor.**



*If project requires AIS, only list AIS manufacturers in specification.*



*Review products for AIS compliance and apply for waiver during design.*



*Do not approve shop drawings unless AIS certification is included.*



*An AIS work instruction should be developed.*



*PDA process should include AIS review if funding requires it.*

# Proposed Action

That the Metropolitan Council authorizes an increase in the contract value for Contract 19P187A Metropolitan WWTP Solids Renewal and Improvements, project numbers 805947 and 808920, from \$19,303,100 to \$21,363,047.



# Questions

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