

# WATER UTILITY BOARD

## CAPITAL PROJECTS MONTHLY REPORT

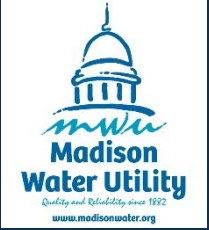


Pete Holmgren, P.E.  
Chief Engineer

April 26, 2023



# Capital Projects Monthly Report



## ■ PRESENTATION OVERVIEW:

1. Annual capital expenditures status through February 2023

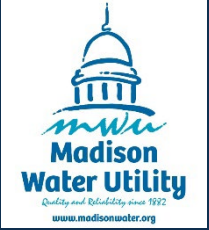
2. Major Capital Project Updates:

- Unit Well 19 Fe, Mn, Radium Treatment Facility
- Unit Well 15 PFAS Treatment Facility

3. Monthly Project Highlight:

- Unit Well 11 Standby Generator

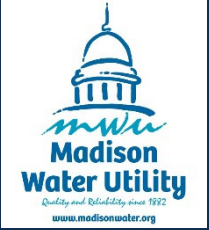
# Capital Projects Monthly Report



## Annual Capital Expenditures Status – Through February 2023:

- Total: \$805,918 – an increase of \$542,926 from the prior month
- Overview of February 2023 Capital Expenses:
  1. Facilities: \$233,970
    - Well 30 (rehab); Well 19; Well 15
  2. Fleet/Other: \$304,108
    - New Backhoe; New Guillotine Saw; Chlorinator Equipment
  3. Pipelines: \$4,848
    - N/A

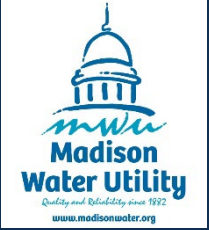
# Capital Projects Monthly Report



## Major Project Update: Well 19 Fe, Mn, Radium Treatment Facility

- Project Budget: \$9,088,000 (2023 Budget: \$8,116,000)
- Current Status: Design
  - Completing DNR submittal of technical plans and specifications
  - Review and feedback on “90%” specifications
  - Completed submittal to PSC for authority to construct
- Upcoming:
  - Final design and specifications, preparations for project bid

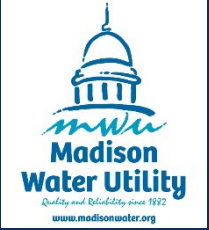
# Capital Projects Monthly Report



## Major Project Update: Well 15 PFAS Treatment Facility

- Project Budget: \$5,943,000 (2023 Budget: \$433,000)
- Current Status: Design
  - Completed 60% review with MWU and AECOM staff
- Upcoming:
  - Cost estimate updates
  - Safe Drinking Water loan application

# Capital Projects Monthly Report



## Unit Well 11 Standby Generator

- MG&E and Madison Water Utility have a generator lease arrangement dating back to 1999
- Economically provides standby generators at 10 wells throughout the City; this generator would be the 11<sup>th</sup>
- MWU cost to site the generator is roughly 15% of the cost to purchase and install a generator owned/maintained outright by Madison Water Utility. The generator would run in a backup/emergency capacity only for MG&E and/or the Water Utility depending on what the needs would be.
- Programmed to operate in the event of lost standard electrical service to the well facility, or high demand from the greater power grid (both rare).

# Capital Projects Monthly Report



## Unit Well 11 Standby Generator





# Questions / Comments?

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