



Department of Public Works
Engineering Division

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Subject: Geothermal systems at City of Madison and CDA Facilities

Geothermal systems with supplementary boilers

1. (2008) Fire Station 12 – design was modified to add a boiler after ~15 years of operation due to undersized horizontal borefield; only horizontal borefield in City of Madison portfolio.
2. (2018) Fire Station 14 – building has significantly higher heating load than cooling load so borefield was sized for cooling load and part of heating load
3. (2026) Community Development Division - Bartillon Shelter – building has significantly higher heating load than cooling load so borefield was sized for cooling load and part of heating load
4. (2026) Parks Warner Park Community and Recreation Center – new addition to existing facility, existing boiler remains.

Geothermal systems without supplemental boilers

1. (2015) Fire Station 13
2. (2019) Library – Service and Support Center
3. (2020) Library – Pinney Branch
4. (2026) *Future Library - Imagination Center at Reindahl Park*
5. (2028) *Future – West Public Works Facility – South Point Rd*
6. (2029) *Future – South Park/Badger Housing Development with Fire Station 6 and PHMDC South Clinic*
7. (2030) *Future – South Police District/Evidence Storage Facility*
8. (2026-2032) *Future – CDA Triangle buildings*