



## **General Design**

- Heating, ventilation, and air-conditioning
- Plumbing
- HVAC controls and EMCS
- Standby power generation
- Above & below grade fuel storage/fueling systems
- Natural gas and propane distribution systems
- Heating and cooling distribution systems  
(Steam, HW, HTHW, and CW)
- Heat plants (Steam and HTHW)
- Building steam and hot water heating systems
- Piping system finite element analysis (thermal, wind, and earthquake)
- Chillers and chilled water systems
- Compressed air systems
- Water hammer analysis (water and fuels)
- Hydrant fueling systems
- Vehicle and welding exhaust systems
- Registered PE, fire protection (to include AFFF )



## **Environmental**

- Vapor extraction systems
- Dual phase extraction systems
- UST removals and replacement
- Asbestos abatement
- Landfill off gas extraction and treatment systems
- Process piping systems
- Process control systems



## **Civil Works**

- Machine design, repair, and rehabilitation
- Hydropower/flood control facility inspections
- Pumping station design
- Turbine efficiency testing
- Hydraulic transient analysis
- Gate and hoist design
- Elevators
- Crane design and repair
- Carbon dioxide systems
- Drainage systems

