



SEAN MCFARLING, PE

Senior Engineer, sean.mcfarling@ever-greenenergy.com

Sean has significant experience in the planning, engineering design, implementation, project management, construction, and operation of community energy systems. Sean has been instrumental in the renovation of existing systems, implementation of new systems, and continued success and expansion of the existing systems. He has also worked in the traditional civil engineering field with experience in the planning, design, and construction of municipal systems, bridges, and community development.

Education + Certifications

University of
Minnesota -
Bachelor of
Science, Civil
Engineering

University of St. Thomas
- Specialized Training,
Mini- Masters of Project
Management

Licensed Professional
Engineer

-Maine

-Michigan

-Minnesota

-Nebraska

-Ohio

-Vermont

-Wisconsin

Relevant Project Experience

Oberlin College Decarbonization. Leading the engineering design and construction replacement of the obsolete steam and chilled water systems with new low temperature hot water and chilled water systems as the Engineer of Record. Also leading the engineering design and construction of the geothermal collection piping from the proposed geothermal well field and the central plant. Managing the Oberlin College GIS Intern who is providing the communications team with maps, wayfinding, and other program communications.

Duluth Energy System Upgrade. Sean served as the project manager and construction project liaison, as well as Engineer of Record for the hot water distribution system conversion. He provided distribution system design, lead design efforts for plant and building conversions, and oversaw construction project management and operations oversight. This work also included utility coordination and construction sequencing. Design responsibilities include horizontal and vertical alignment design; pipe stress analysis and expansion compensation, valve, drain, and vent locations. Sean also was the lead point of contact for the City of Duluth and the Duluth Energy System operations team.

District Energy Corporation Master Plan. Sean led the system master plan for Lincoln's District Energy Corporation (DEC) to determine expansion potential and implementation strategy to reach more customers in the downtown core of the City from the three DEC plants. Work included building walkthroughs, conceptual distribution planning/modelling, and overall system growth strategies.

Energy Park Utility Company System Upgrade. Sean served as project manager, distribution system engineer, and Engineer of Record for the advancement of this P3 energy system. He oversaw the design and implementation of the system conversion from two pipes to four pipes, including plant conversion, customer building conversions, and distribution system design and construction.

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Relevant Project Experience (Continued)

District Energy St. Paul OMM. As the project manager for larger distribution system projects and distribution system engineer, Sean provides ongoing distribution system planning, engineering, and project management for system expansion and maintenance projects. For distribution system OMM, he also provides horizontal and vertical alignment design; pipe stress analysis and expansion compensation, valve, drain, and vent locations; valve chamber reconstruction projects. Planning and potential customer building evaluations for future system expansions utilizing waste heat resources.

Montpelier District Heating Development. Sean was the distribution system Engineer of Record, providing oversight to distribution system startup and commissioning and design of new municipally-owned hot water distribution system. He also established and led the distribution system startup and commissioning.