



SAINT PAUL
MINNESOTA

Oxford Community Center Microgrid Project

Project Overview

The City of Saint Paul was awarded \$298,000 from the MN Department of Commerce's *Microgrids at Community Lifeline Facilities* grant program in 2026. The grant funds will support a year-long planning phase for the Oxford Community Center Microgrid Project.

The scope of work for this project includes design & engineering services for:

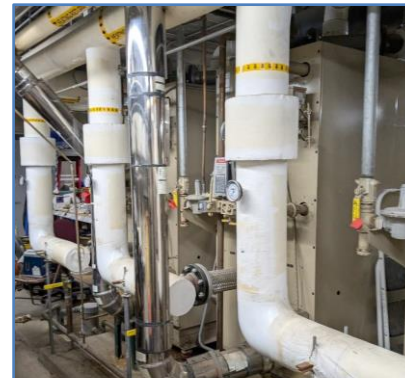
- HVAC System Electrification – *designing a CO₂ heat pump system & electric water heater replacements for the Oxford Community Center / Jimmy Lee Recreation Center*
- On-site Solar Energy – *designing a rooftop solar system that generates electricity for the campus*
- Battery Energy Storage System – *identifying appropriate battery storage to provide emergency backup power to critical building systems*
- Microgrid Development – *working directly with Xcel Energy on a pilot project using microgrid controllers with islanding capabilities to replace the failing generator*

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This project was made possible by a grant from the U.S. Department of Energy and the Minnesota Department of Commerce, based upon work supported by the U.S. Department of Energy under the State Energy Program Award Number DE-EE0010080.



Oxford Community Center & Jimmy Lee Recreation Center



The aging gas boilers (left) will be replaced with an energy-efficient low-carbon heat pump system, and backup power will be provided by a rooftop solar system with battery storage that replaces the failing gas generator (right).