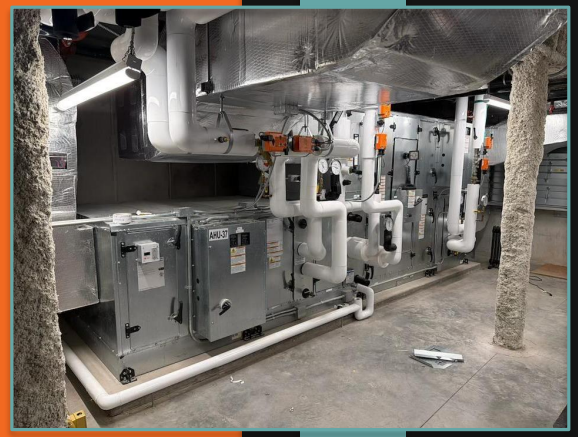
ST. LOUIS PARK SCHOOLS

Construction Progress & Energy Strategy





District Progress Towards Climate Leadership Resolution

Board update | November 2026

TARGET: REDUCE FACILITIES ENERGY USE 30% BY 2030

Presentation Purpose | Aligning Strategy & Execution

CORE PURPOSE

TARGET

Provide the School Board with a comprehensive update on facility improvements.

Ensure full transparency on energy efficiency metrics and equipment upgrades aligned with 2030 goals.

The purpose of this presentation is to update the School Board on construction progress across district facilities, with a focus on mechanical equipment installations and building system improvements. It will also highlight the district's ongoing efforts and strategic steps toward reducing energy consumption by 30% in all school facilities by 2030

Board update | What this briefing covers

DISTRICT TARGET

30%

less energy use in district facilities by 2030

- Construction photo documentation shows energy efficient equipment at multiple district sites.
- Equipment shown includes boilers, air handling units, rooftop units, water heaters and variable-frequency drives (VFDs).
- Energy-reduction work is framed around efficient equipment, controls and operational practices.

Sustainability progress | Solar & EV charging installations

RENEWABLE INITIATIVES

SOLAR

clean energy generation & EV infrastructure across district sites



Rooftop solar panel array installation





Solar-powered ChargePoint EV charging station

- On-site solar infrastructure directly supports the district target of 30% reduction in facility energy use by 2030.
- Integrated ChargePoint EV charging stations provide accessible electric vehicle charging powered by renewable solar generation.

Construction snapshot | Mechanical systems in focus



Aquila

Boilers • AHU • VFDs • rooftop unit • solar tubes



Central

Boilers • water heater • pool MEP • VFDs



Data Center

Boilers • panels • water heater



High School

Rooftop units • AHU • water heater

Mechanical progress | Boiler plant equipment



Data Center Water Heater



High School Roof Top Unit



High School Air Handling Unit

Mechanical progress | Air handling & rooftop units



Aquila • air handling unit



High School • air handling unit



High School • LED Lighting

Mechanical progress | Controls, drives & water heating



Aquila • VFDs



Data Center • electrical/control panels



Central • water heater

Why these systems matter

VFDs can enable motors to match output to demand; controls can coordinate schedules and setpoints; water-heating systems are an important thermal load. Actual savings depend on design, setup, operation and measured performance.

Energy actions | Beyond the mechanical rooms



Aquila • solar tubes in gym



High School • Band Room



Central • pool MEP

Board discussion | Decisions & next steps

PROPOSED NEXT STEPS

- Confirm the districtwide energy baseline and 2030 accounting method.
- Request commissioning and project-status updates for photographed equipment.
- Adopt a consistent building-level energy dashboard.
- Prioritize remaining projects based on measured opportunity and lifecycle cost.

30% BY 2030

A measurable target needs a baseline, accountable projects and annual verification.