Request for Information (RFI)

High Efficiency HVAC Design, Installation, and Pricing Considerations

LOCATION:

Nicolet Elementary Community School, 1309 Elm St., Green Bay, WI 54302

DATES:

RFI Release Date: January 12, 2026

RFI Questions Due: January 26, 2026

RFI Responses Due: February 13, 2026

ISSUED BY:
Midwest Renewable Energy Association (MREA)
The MREA is a regional nonprofit that promotes clean energy, energy efficiency, and sustainable living through education and demonstration.

RFI POINT OF CONTACT:
Evonne Waugh, Program Manager, evonne@midwestrenew.org

1. Introduction

The purpose of this Request for Information (RFI) is to gather general design, pricing, performance, and availability information to support a feasibility analysis for high efficiency HVAC upgrades for Nicolet Elementary Community School. Your response will be used to inform the decision-making process and may lead to future procurement. Any future procurement will be independent of this RFI.

This RFI is part of the Net Zero Pathways (NZP) for Schools initiative, through which participating schools have developed roadmaps to achieve net zero energy and emissions goals. RFI responses will help ensure that plans include appropriate design, price, and performance assumptions.

2. Information Requested

Green Bay Area Public Schools is looking for general design, pricing, and installation considerations for high efficiency HVAC upgrades that can include geothermal heating and cooling systems, air source heat pumps, air to water heat humps, energy recovery ventilation or other solutions to increase comfort and reduce cooling and heating costs for Nicolet Elementary Community School.

Green Bay Public Schools is interested in receiving the following information from interested service providers:

- General design considerations, strategies, and options
- Equipment recommendations, specifications, and efficiency ratings
- Performance expectations including financial and non-financial benefits
- Price estimates
- Product availability and installation timelines
- Relevant example projects and case studies
- Company experience, interest, and availability

3. Current HVAC System Description

Energy Use

Nicolet elementary is billed through Wisconsin Public Service Utility's Cg-20 electricity rate and Wisconsin Public Service Utility's Small Commercial & Industrial Firm Cg-FS natural gas rate. Nicolet uses 252,886 kWh per year paying an average of $.16/kWh, totaling $41,431. Nicolet uses 17,442 therms per year paying an average of $.60 per therm, totaling $10,888.

Heating and Cooling System

There is one DE Dietrich GT model 430-8A 2,278 MBH high efficiency natural gas-fired hot water boiler that provides heat to the school. A 135-ton Daiken WGZ chiller with energy efficient scroll compressors and a 10.7 EER rating is used to cool the building.

A 10 horsepower motor is used to circulate hydronic boiler heat and is controlled with a variable frequency drive. The boiler also has a 1 horsepower in-line circulation pump. Chiller water is circulated with a 10 horsepower pump controlled with a variable frequency drive.

There are four KEES-brand air handling units, two with 30 horsepower fans that provide over 25,000 CFM and the others with a 10 and 5 horsepower fan that provide 7,500 and 4,000 respectively. All fans are controlled by variable frequency drives. There are three fans, two 7.5 horsepower and one 1.5 horsepower, relief fans in the attic, two fans that are 1.5 and ¾ horsepower on the roof, as well as three 80-120 watt exhaust fans and one 120 watt ceiling fan. There are 16 VAV terminal units distributing heating and cooling ranging from 70 to 2200 CFM in airflow capacity. There are six booster coils to supply cooling to nine rooms. Eight (8) Trane model M cabinet heaters are used to supply heating to six rooms. Three (3) 84-watt fan coil units are used for heating three separate rooms. There are also fin tube radiators used to heat 18 rooms and convector heaters are used to heat classrooms. The boiler room is heated with a Trane Model S unit heater with a hydronic coil heated from the school's boiler.

There is a 53,000 CFM roof relief fan and a 30,000 CFM roof air intake fan. There are two heat recovery ventilators (HRV's), a Venmar HRV 3000I HRV and a Venmar 2000I HRV located in the attic.

4. Submission Details

- Firm profile and qualifications - Describe the company size, location, and local organizational structure. Describe the demonstrated experience of the company in developing, designing and installing HVAC systems including scope of services offered. Briefly describe company experience with similar projects.
- Point of contact - Identify the main contact for questions related to the RFI.
- System recommendations – Describe recommended products and services, general system design, and integration requirements. Identify impacts on other systems or additional costs associated with system. Briefly justify product and design choices.
- System price estimate – Provide system price estimate including price range and optional products and services as appropriate.
- System performance expectation – Estimate system energy savings, cost savings, and financial performance including details on the assumptions used in the modeling.
- Product availability and installation timelines – Provide general timelines for product sourcing and installation, including considerations for the school during the installation process.

- Relevant example projects and case studies – Provide examples of relevant projects, if available, that demonstrate appropriate system design, equipment, and performance.
- Company interest and availability – Briefly describe the company interest in performing the proposed work, next steps in project development, and company availability to perform work.

5. Timeline

- RFI Announced
- RFI Questions Due/Posted
- RFI Response Submission Deadline

6. Conditions And Reservations

The MREA and its partners are not obligated as a result of the submission of a Proposal to enter into an agreement with any Proposer and have no financial obligation to any Proposer arising from this RFI. MREA and/or its partners may request a full proposal based on continued and future interest in project development.