Request for Information (RFI)

High Efficiency HVAC Design, Installation, and Pricing Considerations

LOCATION:

Dodgeville Elementary School, 404 N Johnson St, Dodgeville, WI 53533

Dodgeville High School, 912 W Chapel St, Dodgeville, WI 53533

DATES:

RFI Release Date: January 12, 2016

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 Dodgeville Elementary and High 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

Dodgeville Elementary and High School are 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 Dodgeville Elementary and High School.

Dodgeville Elementary and High School are 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

<u>Energy Use</u>

Dodgeville Elementary and High School are billed through Alliant Energy Utility's Cg-2 Commercial TOD Service electricity rate and Alliant Energy Utility's GC3F Gas Firm Service, Medium Commercial & Industrial 20000-200000 natural gas rate.

- Dodgeville Elementary School uses 381,560 kWh per year paying an average of $0.12/kWh, totaling $46,617. Dodgeville Elementary School uses 33,219 therms per year paying an average of $0.649 per therm, totaling $19,419.
- Dodgeville High School uses 1,201,700 kWh per year paying an average of $0.14/kWh, totaling $166,101. (This does not include electricity use at the football field). Dodgeville High School uses 62,876 therms per year paying an average of $0.649 per therm, totaling $34,460.

Heating and Cooling System

Both the elementary and high school have Dietrich-brand high efficiency, condensing boilers that were installed about ten years ago. The boilers are estimated to have a thermal efficiency of over 90%. The high school is cooled with a central chiller, and the tonnage and efficiency rating of the chiller was unknown at the time of the plan. The elementary school's library is cooled with a 4-fan direct expansion air conditioner, along with rooftop unit (RTU) for the office that was upgraded just three or four years ago.

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.