

Fremont Community Schools

FREMONT, IN

VALUE DELIVERED

EMCOR Construction Services Midwest (ECS Midwest) constructed a state-of-the-art solar array and energy system for Fremont Community Schools (Fremont).

The six-acre solar farm can produce up to 1.8 megawatts of direct current (MWdc) power which is approximately enough energy to power Fremont's elementary, middle, and high school buildings.

Fremont will lease the solar equipment for 20 years at a rate nearly equivalent to their current electricity bill, while garnering potential cost-savings through net metering—receiving compensation for any excess power returned to their local grid.

Additionally, our lighting retrofit within their buildings, helped lower Fremont's energy bills and provided them a \$45,000 rebate. In total, Fremont is estimated to receive \$6.2 million in realized and avoided costs over 25 years.



CLIENT OBJECTIVES

Switching to a solar farm demonstrated Fremont's commitment to environmental sustainability. They needed their investment to prove the fiscal responsibility of their green energy initiative. They not only wanted the project to produce significant cost savings for the school district, they needed a high-tech, environmentally-friendly solar array installed before the beginning of the regular school year.

PROJECT SOLUTIONS

ECS Midwest utilized high-end Tier 1 panels for efficiency, durability, and warranty life, and to help optimize functionality and operational longevity. The array powers three school buildings operating via two electrical services, which required ECS Midwest to work closely with Fremont's local electrical distribution company.

CASE STUDY

OPERATING COMPANY

EMCOR Construction Services Midwest

CLIENT

Fremont Community Schools



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Fremont Community Schools

FREMONT, IN

EDUCATION

K-12 SCHOOLS

CASE STUDY

PROJECT SOLUTIONS (CONT.)

We also installed underground feeders connecting the farm to the electrical services and display kiosks in each school building. These kiosks present information on the solar farm's energy production and the school system's consumption, creating a unique opportunity for hands-on education about clean-energy technology.

During the project, ECS Midwest delivered:

- 5,616-panel solar farm featuring Tier 1 panels
- 1.8 MWdc power to three separate facilities
- Net metering capabilities
- Solar racking system designed for increased compatibility
- Multiple system kiosks for educational purposes
- 3,348 high-efficiency LED retrofit kits

CLIENT BACKGROUND

Fremont Community Schools is an independent school district serving approximately 1,000 students in three schools within Steuben County, Indiana.



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