



The Oregon School District has a long-standing commitment to being a leader in education and environmental stewardship. When building Forest Edge Elementary, our focus was to create the best design for student learning that also incorporated technologies to use and conserve energy efficiently.

Forest Edge Elementary is a **126,580** square foot building with inspiring, modern learning environments. In addition, the building is the **first Net Zero Energy** school in Wisconsin which means it produces at least as much energy as it consumes annually.

EDUCATIONAL ENVIRONMENT FEATURES

- Themes throughout the building highlight different **natural energy sources** that represent the school's unique sustainability and energy-efficient attributes:



LIFE



LIGHT



THERMAL



WATER



WIND

These themes are showcased by murals around the school and are used as educational tools.

- **A viewing area** for students to view the solar panels and rooftop gardens.
- **Three courtyards** to bring light and outdoor learning opportunities for students. Each courtyard was designed for a different function including a playground, outdoor classroom space, and a garden.
- The **Discovery Center library** is designed as a "nest" and faces the forest beyond the building so students can feel immersed in nature.

SUSTAINABILITY FEATURES:

- 90 **geothermal wells** extend 406 feet into the ground.
- 1,704 **solar panels** on the school's roof that produces 646 kW of energy.
- **Electrochromic glass** automatically tints exterior windows to manage solar gains and improve occupant comfort.
- **Battery** system that stores excess energy.
- No **natural gas** serves the building.

Did you know? In one year, the solar panel system alone will offset CO2 emissions equivalent to - electrical usage of 96.4 homes, 1,403,553 miles driven by an average passenger vehicle, or 623,249 pounds of coal burned.

AWARDS:

- 2021 *The Daily Reporter* Top Project Award
- 2020 Dane County Climate Champion
- 2021 AGC Build Wisconsin Environmental Excellence Award
- Focus on Energy Trade Ally Award
- Renew Energy Champion of the Year
- Green and Healthy Schools - Sprout Recognition