

Michigan City Area Schools

Solar and LED Lighting Project



Performance
Services



Michigan City
Area Schools

Opportunity ★ Excellence ★ Pride

Goals Achieved



Financial



Educational



Environmental

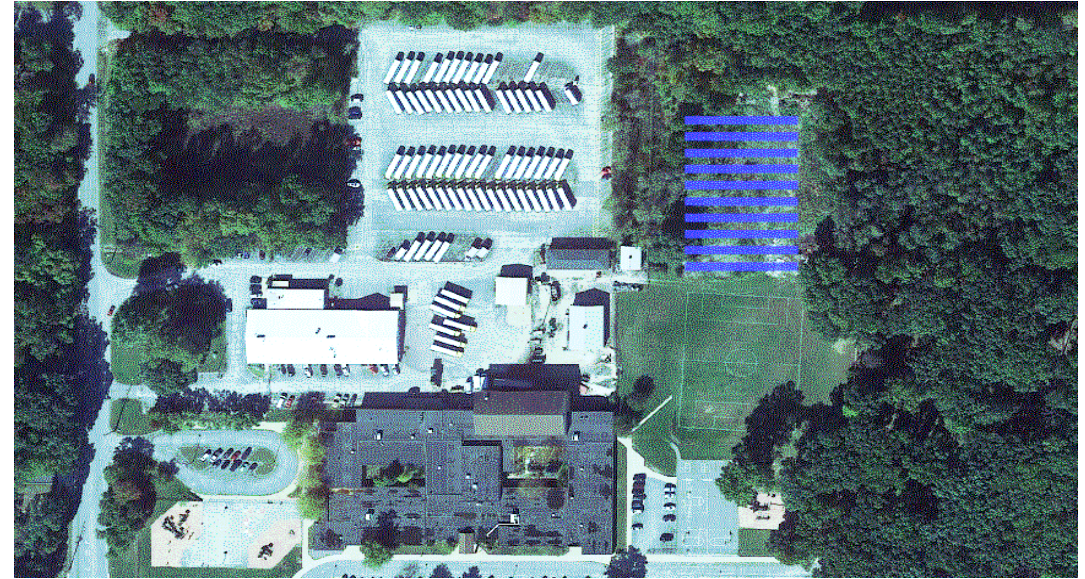
A Comprehensive Project

- 7 schools with ground-mounted solar arrays
- 2.73 megawatts total
- Energized Dec. 2017
- 3,628,000 kWh energy to grid
- LED lighting upgrades with guaranteed energy savings contract



Joy Elementary School

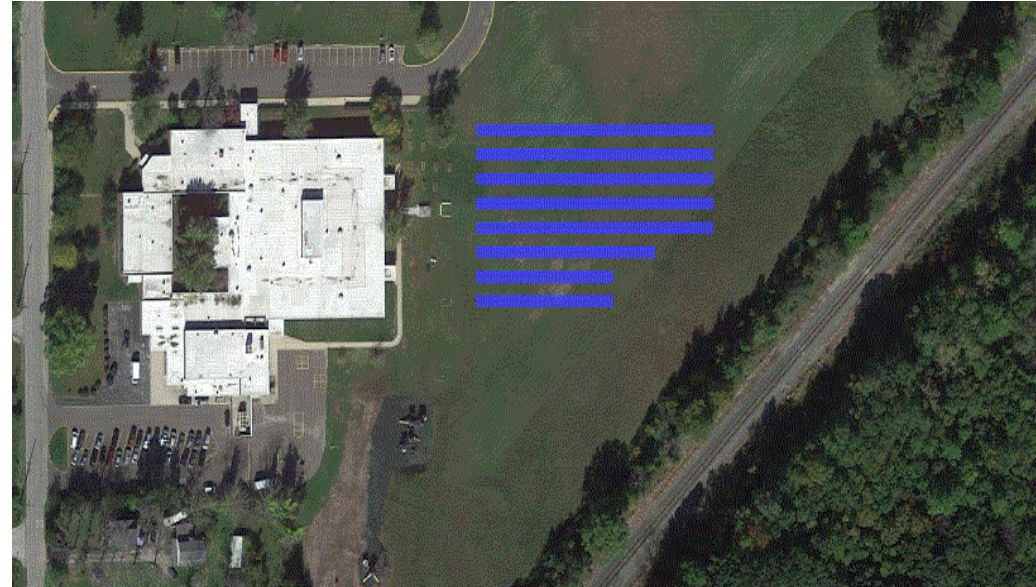
- 281.6 kW
- 363,058 kWh energy to grid
- 880 – 320W Solar panels
- Utilized unbuildable site



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Niemann Elementary School

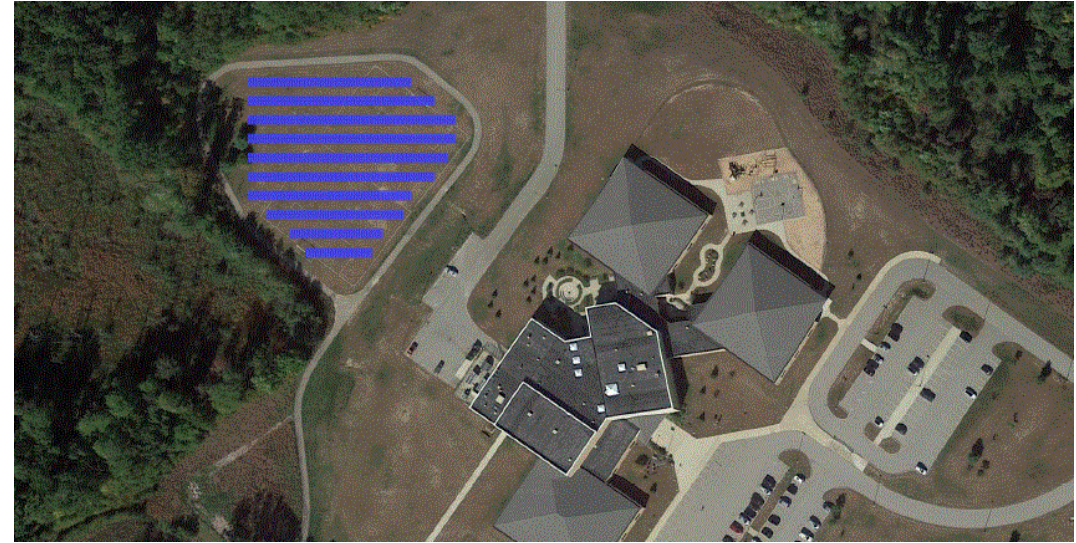
- 398.1 kW
- 516,952 kWh energy to grid
- 1,244 – 320W Solar panels
- Utilized open field



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Pine Elementary School

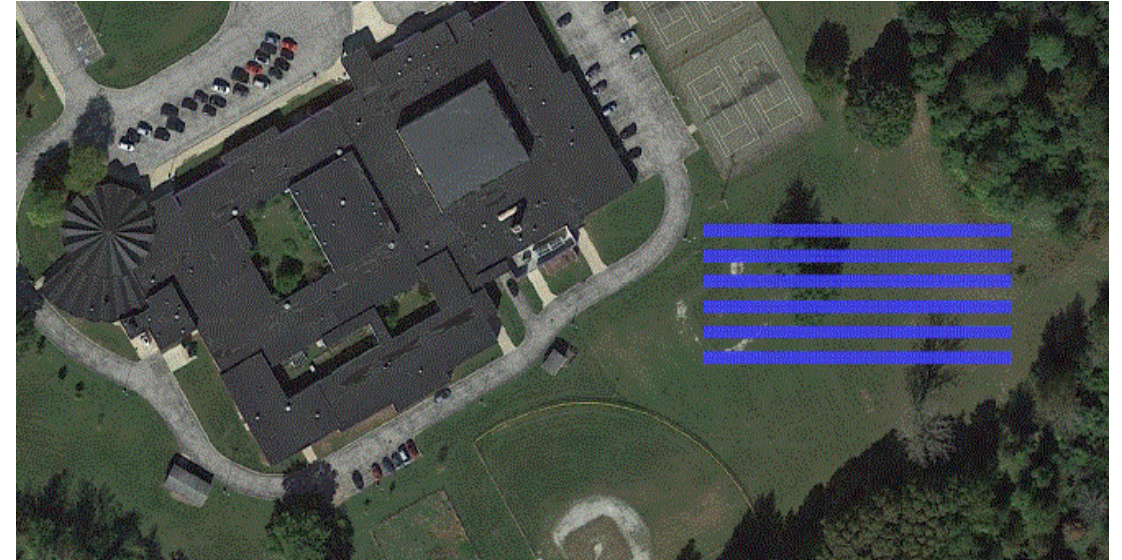
- 398.1 kW
- 502,785 kWh energy to grid
- 1244 – 320W Solar panels
- Utilized unused soccer field



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Krueger Middle School

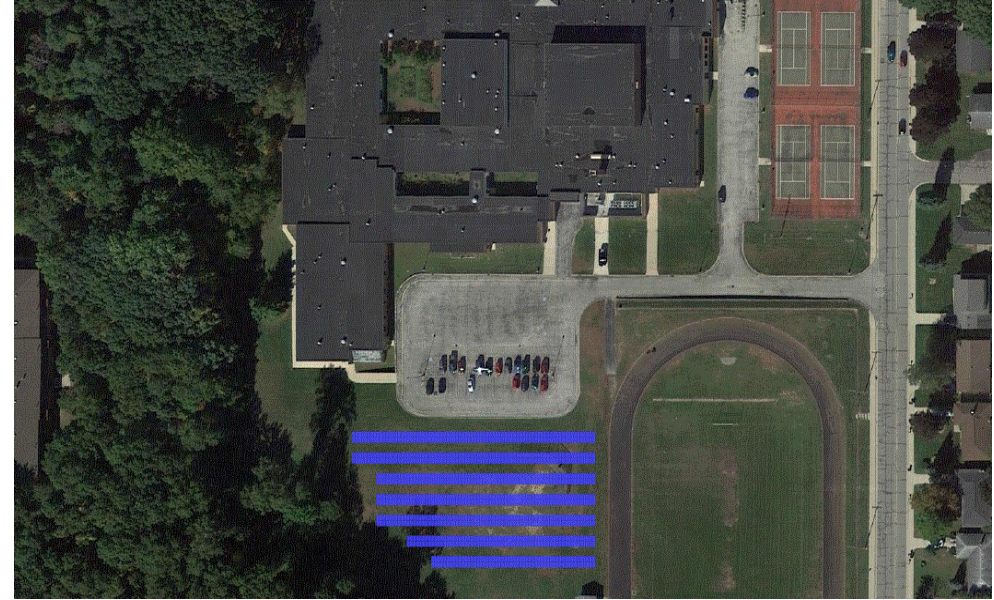
- 345.6 kW
- 452,635 kWh energy to grid
- 1080 – 320W Solar panels
- Utilized unused baseball field



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Barker Middle School

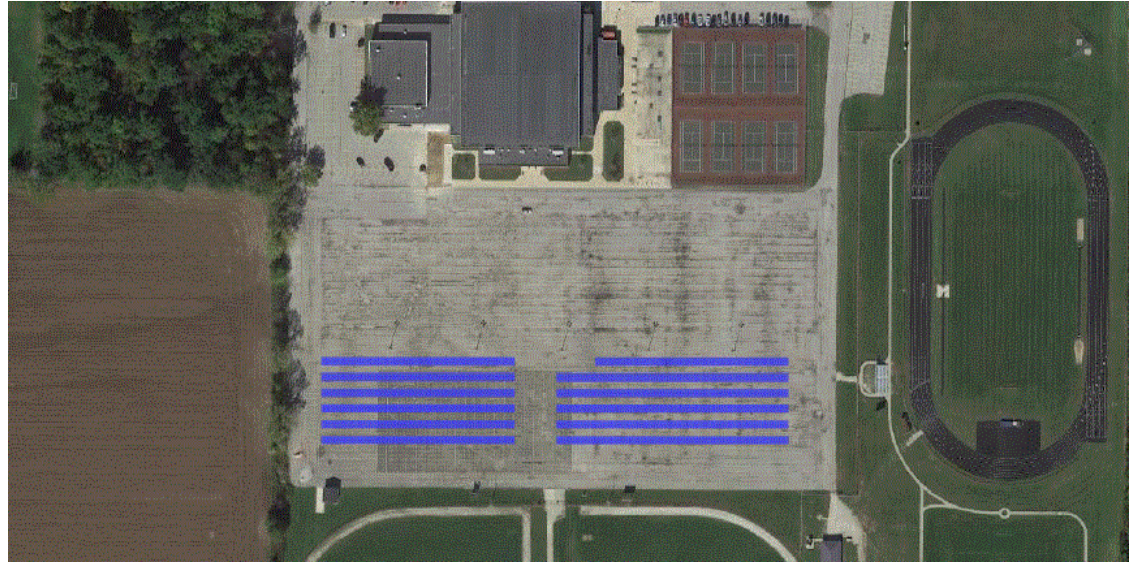
- 314.9 kW
- 402,935 kWh energy to grid
- 984 – 320W Solar panels
- Utilized unused baseball field



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Michigan City High School

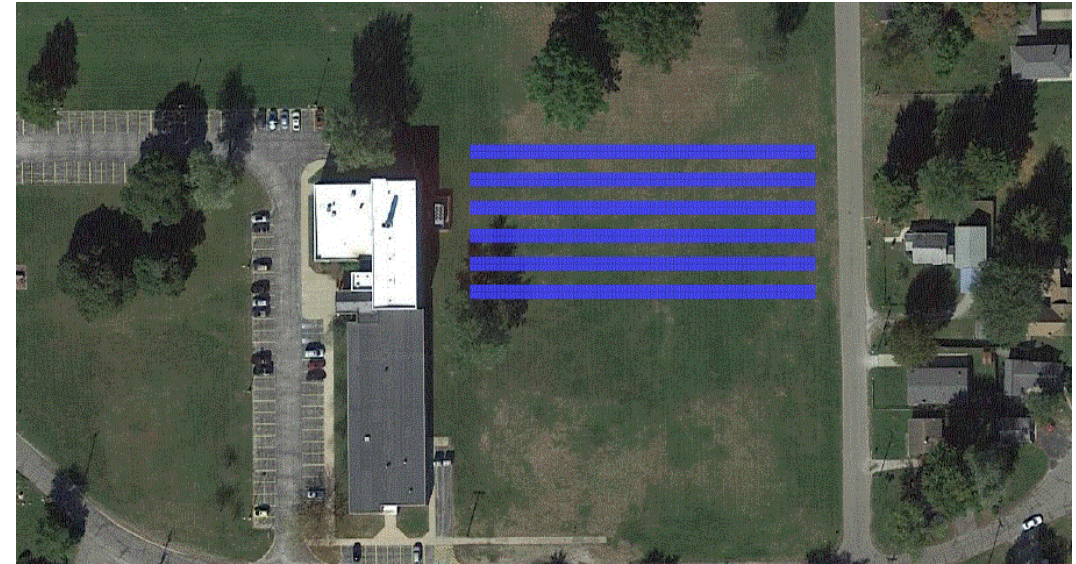
- 748.8 kW
- 938,487 kWh energy to grid
- 2340 – 320W Solar panels
- Utilized unused parking lot



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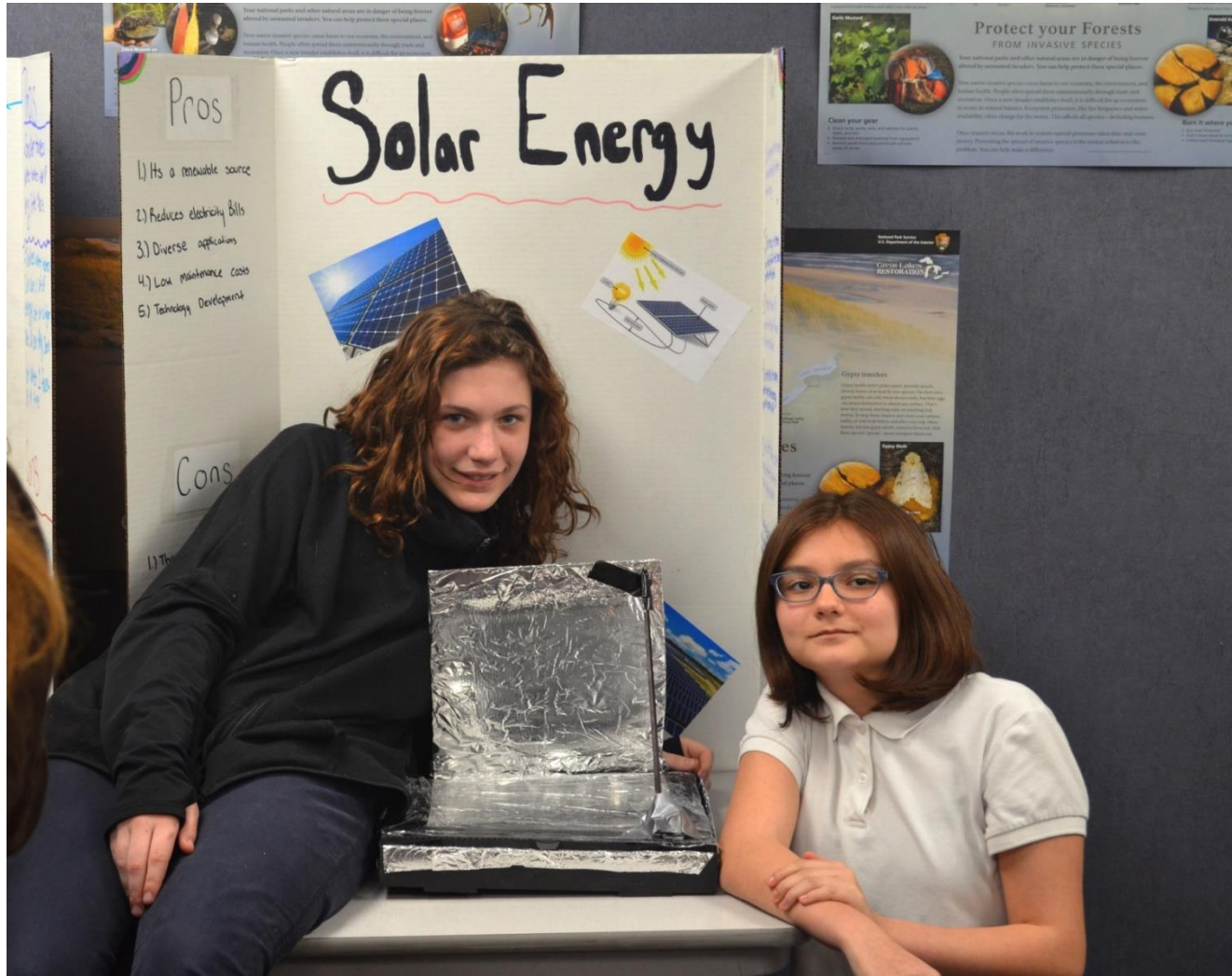
Administration Building

- 345.6 kW
- 451,131 kWh energy to grid
- 1080 – 320W Solar panels
- Makes a statement



Expanding Educational Opportunities

Krueger's Green Team Goes Energy Conscious



Expanding Educational Opportunities

Krueger's Green Team Goes Energy Conscious



- Honored by NEED Project
- 2018 Indiana Junior School of the Year
- National Junior Rookie of the Year
- Kate Triemstra and several students accepted award in Washington, D.C. at the NEED Conference

Environmental Impact

Reduced Electricity Consumption by **52%**
at buildings affected by project.

2,700 metric tons of greenhouse gas
eliminated which is equivalent to enough energy to power
292 homes for a year.



Goals Achieved



Financial

- \$704,672 Annual Energy Cost Savings



Educational

- NEED Project Solar Curriculum
- Recognized and Awarded by NEED



Environmental

- Reduced electric consumption by 52%
- Eliminated 2,700 metric tons of CO₂



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Solar Project 2017

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