

Collinsville Area Recreation District

Program Area:

Energy Program

County:

Madison

Grantee:

Collinsville Area Recreation District

Grant Date:

May 2014 & May 2010

Grant Amount:

425,203

Location:

Collinsville, IL 62234



Splash City Family Waterpark - The Foundation supported the installation of a 210 kW photovoltaic (PV) system for the Collinsville Area Recreation District (CARD) at the Splash City Family Waterpark in Collinsville, IL. The Splash City Family Waterpark is a 522,720 square foot facility open to visitors from May to September. Two structures within the water park are covered in roof-mounted solar panels and a shaded parking structure covered in solar panels was also built, which can shade 55 cars. The canopy mount system is made up of 663 Lifeline Energy 315W panels. The project was completed in March 2015 and is expected to produce 246,898 kWh per year and save the Collinsville Area Recreation District \$27,405 annually. The 210 kW system is expected to offset 47.7% of Splash City's annual electricity consumption. This is an astonishing feat considering one of its larger attraction pumps 36,000 gallons of water per minute, requiring an extensive amount of energy.

Check out the real-time data generation at

<http://www.solrenview.com/SolrenView/mainFr.php?siteId=3359>

Willoughby Farm - The Collinsville Area Recreation District (CARD) also installed a 3.15kW photovoltaic (PV) system at Willoughby Farm. Willoughby Farm is a public park inspired by 1950's farming traditions. The park is open daily to the public and free to enter. The PV system is estimated to save 300-600 kWh of electricity per month which translates to \$30-\$60 per month. The PV system is mounted on a canopy structure located on the farm and

contains 14 REC Peak Energy 225W panels with Enphase microinverters. The canopy provides shade for a picnic table that visitors can utilize while experiencing renewable energy up close.

Check out the real-time data monitoring at

https://enlighten.enphaseenergy.com/pv/public_systems/L3Ze10044/overview