Case Study:

Munday Consolidated Independent School District

Quick Facts

Location
Munday, TX

Schools Participating
Munday Secondary School

PV Capacity
47 kW

PV Location
Rooftop

PV Equipment
225 Kyocera panels

Annual Generation
55.2 kWh per year

PV Installation
Fall 2010

Cost
$311,396

Cost Savings
$40,620 per year

Funding
Distributed Renewable Energy Technology (DRET) Grant from the State Energy Conservation Office (SECO) – Awarded: $249,117
Match: $62,279

The DRET program aimed to increase the amount of installed renewable energy in Texas to assist in reaching the state's Renewable Portfolio Standard target of 10,000 MW by 2025.

Summary

Munday Consolidated Independent School District (CISD) is a rural school district located in Munday, TX in Knox County. The district has 2 campuses, Munday Elementary and Munday Secondary School. In 2010, the district received a grant through the State Energy Conservation Office (SECO) to install a solar energy system that would provide the students hands on experience outside the classroom.

The Benefits of Solar Energy

The solar power project adds value to Munday CISD and helps generate awareness of the positive economic and environmental impacts of renewable energy to the community. The district hopes to engage the students on the importance of protecting the environment, a lesson that they would otherwise not have firsthand experience with. Renewable energy lessons have been integrated into curriculum for science, technology, engineering, and mathematics classes. The district has created opportunities for students to interact with renewable energy generation and can learn about the value of 'going green' in their community. The solar power project also benefits the district by reducing district funds spent on electricity costs.

The North Central Texas Council of Governments recommends to have an energy audit done by the State Energy Conservation Office to establish where solar might fit into overall energy efficiency improvements and energy saving potential. For more information on the SECO Technical Assistance Program, please visit: http://seco.cpa.state.tx.us/energy-reporting/gov-assist.php/

The North Central Texas Council of Governments is working under contract with the State Energy Conservation Office (SECO) to expand best management practices for solar photovoltaic systems throughout the State of Texas. For more information about solar in Texas, please visit: www.GoSolarTexas.org.