



PROJECT START: 2024

Estimated REBATE for District:

Up to \$450,000 rebate, a buy down of simple payback by six years

BUILDING IMPROVEMENTS:

The project scope is comprised of energy conservation measures (ECMs) that align with the Palmyra Strategic Planning goals of improving the learning environment for students & teachers, enhancing district control of facilities, & replacing equipment past its useful life.

The building improvements in the Engineered Solution Project include- but are not limited to:

- Upgrade all lighting to LED
- Boiler Replacements
- New AC for Stage & Computer Room
- New DDC Controls – RTUs, AHU, and Boilers
- Plug Load Controls
- Building Envelope
- Solar PPA



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Palmyra School District

Engineered Solutions Program and Solar PPA

Project Overview

Palmyra School District has partnered with DCO Energy, LLC (DCO) to evaluate energy efficiency upgrades utilizing **PSE&G's Engineered Solutions Rebate Program and a Solar Power Purchase Agreement (PPA)**. These upgrades will provide substantial energy efficiency and infrastructure improvements for the Delaware Avenue School, the Charles Street School along with Palmyra Middle/High School. A large portion of the project will be covered by the Engineered Solutions Rebate and the remainder will be funded by the annual energy savings, **there will be no financial impact to the taxpayers.**

Facility Improvements and Environmental Impact

DCO will evaluate both interior and exterior replacements of fluorescent lighting to new low-wattage LED bulbs that can lower the District's electric utility spend by up to 30% annually. Enhanced lighting will ensure classrooms are meeting the required lighting levels for educational facilities and provide an improved learning environment. Boiler replacements will improve the overall heating system efficiency and dependability, and a building management system (BMS) will help facility staff to monitor building temperature setpoints & ensure the comfort of all in the buildings.

A solar PPA will be evaluated to provide clean renewable energy to the District. A PPA is a contract between a solar developer and the district where developer leases the district's roof space to install and maintain a solar photovoltaic system, and in return, sells the electricity generated back to the district at a rate significantly lower than their utility rate.

As a result of reducing their energy usage through these improvements, the District will also be massively reducing its greenhouse gas emissions and helping to provide a healthier environment for generations to come!

DCO in Partnership with Palmyra School District