



# Fountain Valley School District



“Our district’s future is brighter because of this project and we are grateful to ENGIE Services U.S. for their dedication and particular attentiveness to helping us meet our educational mission.”

Stephen McMahon, Assistant Superintendent, Fountain Valley School District

## THE OPPORTUNITY

Fountain Valley School District (FVSD) partnered with ENGIE Services U.S. (ENGIE) to implement a comprehensive energy program that saves money and energy, while setting an example of how to foster environmental sustainability.

## THE PARTNERSHIP

ENGIE helped FVSD reduce long-term energy costs by improving its infrastructure. ENGIE combined on-site renewable energy generation and upgraded lighting, air conditioning, water infrastructure, and energy management solutions to modernize 11 buildings. ENGIE also hosted educational events so that community members and the media could learn more about the energy and education initiatives. This helped the District gain positive press and support for their program.

## 3 DIMENSIONS OF IMPACT

ENGIE is committed to building three dimensions of impact in every customer’s future:

-  **Supporting People**
-  **Saving Money**
-  **Protecting the Environment**

The brightest addition to this comprehensive program was the integration of science, technology, engineering, and math (STEM) activities for students and professional development for teachers. By creating Living Labs for solar, energy efficiency, and

## Program Highlights

- Expected to generate \$6.8MM in net savings over the life of the program
- Supports adoption and implementation of Common Core State Standards with Living Lab hands-on STEM education program
- Helps achieve the District’s environmental stewardship goals, offsetting CO<sub>2</sub> emissions equivalent to the annual electricity use of 208 homes

## Technical Scope

- Installed solar shade structures at all ten school sites with real-time performance monitoring
- Replaced interior and exterior lighting with high efficiency fixtures, lamps, and ballasts
- Installed Solatube skylights at select campuses



### Technical Scope (continued)

- Provided Title 24 compliant replacements of existing wall-mounted portable classroom HVAC equipment
- Replaced 33 HVAC units at Plavan Elementary School
- Provided web-based programmable controls at Plavan Elementary School, the District office, and on each campus' portable classroom HVAC heat pumps
- Installed new rain gutters on selected portable classrooms

weather science Living Labs, FVSD leveraged the energy conservation program as the ultimate learning opportunity. The increased energy-efficiency not only brings added comfort to the learning environment, but saves the District \$6.8 million over the life of the program.