



+ CASE STUDY

Cubic Leverages Multifaceted Energy System With Zero Upfront Costs

A Fully Integrated Approach

The Cubic Corporation is an American public corporation providing diversified systems and services to the transportation and defense markets worldwide. Cubic commissioned PowerFlex to design, build, own, and operate an integrated energy system consisting of solar, storage, and electric vehicle (EV) charging stations at no upfront costs. The system is part of Cubic's Kearny Mesa headquarters redevelopment, which includes construction of two new LEED Silver buildings and consolidation of more than 1,000 employees onto one campus.

System Specifications

The integrated energy system, tailored to Cubic's unique facility and energy characteristics, features a 962 kilowatts-peak (kWp) solar carport,

LOCATION
San Diego, CA

INSTALLATION TYPE
Carport and Rooftop Solar
PV System

SYSTEM SIZE
906 kW

SYSTEM PRODUCTION
1,597 MWh Annually

INCENTIVE PROGRAM
SGIP Incentive & ITC
Benefits

280 kW / 540 kilowatt-hours (kWh) battery storage, and 50 smart EV charging stations. The carport produces solar electricity during the day, and the battery storage extends the use of that energy into the evening hours. With the addition of EV charging stations, Cubic is able to share the renewable energy benefits with its employees.

Financial and Environmental Benefits

By generating and storing solar energy on site, Cubic will reduce its overall utility energy consumption as well as lower costly demand charges thanks to the ability to shift the time of its energy usage. Reducing operating energy costs will help Cubic save a projected \$93,000 annually and \$3.06 million cumulatively. What's more, Cubic committed no upfront capital to pay for the system thanks to a power purchase agreement and lease business model.

Producing clean renewable energy, as well as providing employees with electric vehicle charging, helps Cubic further its sustainability mission. The system dovetails perfectly with Cubic's construction of two LEED-certified buildings that incorporate other energy efficiency measures, such as high efficiency lighting and a variable refrigerant volume system.

See how PowerFlex can empower you and your site. [**Contact us**](#) today.

About PowerFlex

PowerFlex, an EDF Renewables affiliate, is a clean technology solutions company making the transformation to carbon-free electrification and transportation possible. Our onsite intelligent energy management platform, PowerFlex X, monitors, controls, and optimizes onsite clean energy assets — solar, storage, EV chargers, and microgrids — and reduces overall energy costs through adaptive algorithms that maximize distributed energy resources. PowerFlex is the second-largest installer of commercial rooftop solar and the fourth-largest network of Level 2 EV chargers in the U.S. Our solar and storage projects offset 70,000 tons of CO2 each year, while our 10,000+ EV chargers were responsible for offsetting 13,000 tons of CO2 in 2022.