

# ENERGY STORAGE SOLUTIONS

## HOW SOLAR & STORAGE REDUCE ELECTRIC BILLS

Electric utility bills usually consist of two things:

- **Energy charges** – actual electricity used
- **Demand charges** – charges incurred during peak or high-demand periods, which can be 30-60% of an overall bill

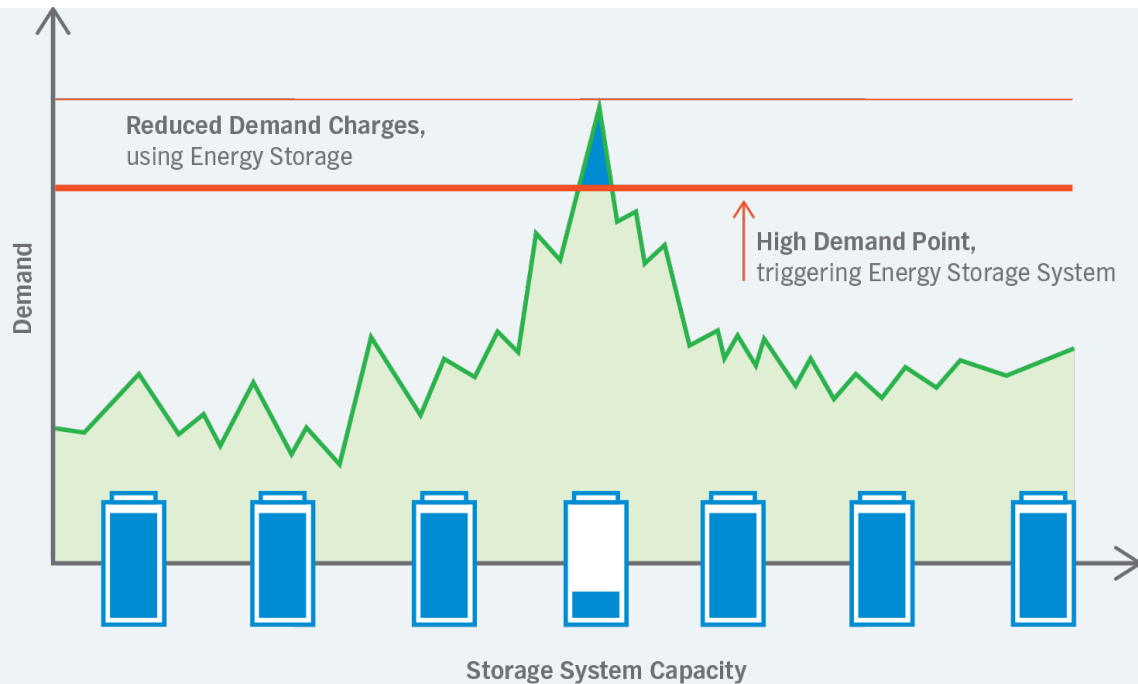
Solar systems reduce utility charges by reducing energy consumption during peak periods. Energy storage reduces demand charges by reducing a

facility's maximum demand. Energy storage controls use historical, predictive data to discharge the storage system battery when the facility's load is reaching maximum demand.

## ENERGY STORAGE IS BEST USED WHEN:

- Your bill includes high demand charges
- You have inconsistent, "peaky" loads
- Your facility has relatively predictable, consistent load profiles

## ENERGY STORAGE AT WORK



### EXAMPLE SAVINGS ANALYSIS

Most energy storage systems pay for themselves in less than five years. For example, a 90 kilowatt (kW)/90 kilowatt-hour (kWh) system tied to a facility with PG&E's E19S rate schedule, the 10-year savings totals \$180,000.00, with a payback of less than five years:

<b>System Size:</b>	90 kW/90 kWh
<b>PG&amp;E Rate Schedule:</b>	E19S
<b>10-Year Savings:</b>	\$180,000.00
<b>Payback Period:</b>	5 Years

### WHY WAIT? CALIFORNIA'S SELF-GENERATION INCENTIVE PROGRAM SUBSIDIZES STORAGE

Through the Public Utilities Commission in California, the 2014 Self-Generation Incentive Program (SGIP) pays up to \$1.94 per watt for advanced energy storage systems.

### WHY CHOOSE A CUPERTINO ELECTRIC SYSTEM?

**We are a stable, 60-year-old construction company with the innovative approach of a start-up** — Our Energy Alternatives Division has quickly become a national Engineering, Procurement and Construction (EPC) solar leader, working with commercial/industrial and utility clients on solar photovoltaic (PV) and energy storage systems.

**We are technology agnostic** — We believe in offering the best solution at the best price. We recommend each solution based on the needs of the customer, not on a pre-existing contract obligation with a battery or module manufacturer.

**We are committed to safety** — As a three-time Associated General Contractors of California "Safety Awards of Excellence" winner, we understand the importance of job site safety. With hundreds of successful projects completed in and around occupied facilities, we have a laser-like focus on safety planning and execution.