



BAKER ELECTRIC
SOLAR

Commercial Solar Installation Case Study

Hill Creek Elementary School - Santee, CA

Baker Electric provided turnkey engineering, procurement, and construction under general contractor Barnhart Balfour Beatty to deliver a 276.92 kW-DC Photovoltaic system installed on 10 PV shade structures at the Hill Creek School. The solar energy facility at Hill Creek Elementary included 1,204 solar panels. With an estimated annual production of 408,000 kWh, the solar installation will provide a significant return on the investment of the Santee School District. Installation of a complete Photovoltaic System consisted of PV modules, inverters, combiner boxes, PV monitoring and metering communication systems, electrical equipment, installation of new PV switchgear, and power interconnection to the existing utility grid. This project required advanced coordination to allow for the construction during the school's summer break.

PROJECT

System Size:
276.92 kW
Siliken 230W Panels
Qty: 1204
PV Powered 100kW
Inverter Qty: 3
Production/Consump-
tion Monitoring
Weather Station

