



Client Objectives:

The County of Santa Clara is committed to “Keeping the Earth Green”. Clean, renewable and affordable alternative energy is a critical part of their sustainability mission.

- As a responsible member of the community, Santa Clara County strives to be the industry leader in sustainability
- Lower carbon footprint to become a more environmentally friendly
- Cost savings and predictability vs. grid-supplied electricity



Our Solution:

AEDG teamed with Bloom energy and SPG Solar to deliver a combined Bloom Energy Server Fuel Cell and Solar PV solution. AEDG and SCC executed a 20-year PPA incorporating both energy technologies and 14 County-owned sites.

- Fuel Cell Description: 2.6 MWs of Bloom Energy Servers across multiple sites
- Annual Production: 24,500,000 kWh's
- Solar System Description: 2.54 MW Solar PV systems at multiple sites
- Annual Production: 3,800,000 kWh's
- Financing: Private financing including Tax Equity, Sponsor Equity and Debt

Benefits:

Sustainability:

- Reduction of 208 million lbs. of CO₂ vs. grid over 20 years.

Community / Educational Benefits:

- Funding / granting of 10 wishes for eligible children with life-threatening illnesses via “Watts-for-Wishes” /Make-A-Wish Foundation
- Creation of County “Community Center for Renewable Energy

Cost Savings:

- 20-year total net electricity savings for SCC: \$15,730,000+