

Solar PV



Project: Solar Farm Upgrade

Project Cost: \$8.4M

Acres: 5.2 acres

Delivery Method: Design-Build

Contractor: TotalEnergies Renewables USA, LLC

Construction Manager: Kitchell

Project Manager: AECOM

Project Status: Substantial Completion

Start of Construction: May 2023

Project Completion: March 2025

Local Hire: 60%

Project Goal: Achieve net-zero energy status and lead by example in environmental stewardship by upgrading Crafton Hills College's solar infrastructure with expanded renewable generation capacity and integrated battery storage.

Sustainability Features

- Upgraded to a fixed tilt ground-mounted solar PV panel system with a capacity of 2,344.4 kW-DC.
- SunPower's Maxeon Gen 5 cells deliver 60% more energy over 25 years compared to conventional solar panels.
- The Tesla Megapack Battery has a size of 767 kW/3080 kWh/4-hours, enhancing energy storage capabilities.
- First-year solar energy production expected at 4,100,000 kWh.
- Long-term production projected at over 100,967,255 kWh over 25 years.

