



Solar Energy Projects Update

May 15, 2019

Solar Energy Projects

- Parking lot shade structures with solar panels, LED lighting, and conduit for security cameras
- Battery storage to save solar energy for use during peak demand periods
- Electric vehicle charging stations
- K-12 renewable energy curriculum

Projected utility cost avoidance of \$29 million over 20 years

Solar Energy Project Approvals

- November 15, 2017: Board adopted Resolution 17-09, making findings on energy cost savings pursuant to Government Code section 4217.12
- December 13, 2017: Board approved energy services agreements with ForeFront Power for solar energy projects at comprehensive high schools and transportation facility
- September 5, 2018: Board approved energy services agreements with ForeFront Power for solar energy projects at Chavez Adult School and Nutrition Center
- January 30, 2019: Board approved amendments to energy services agreements to clarify language and optimize savings

Energy Services (Power Purchase) Agreements

- 20-year agreements to purchase energy generated by the solar projects from ForeFront Power at a flat rate
- ForeFront Power finances, designs, permits, constructs, owns, operates and maintains the solar systems
- After 20 years, district will own the systems and can opt to extend agreements with ForeFront Power or assume system operations
- Only capital cost to district is electrical equipment upgrades required by PG&E

Implementation Challenges

- ❑ PG&E easements through parking lot at Fresno High
- ❑ Delays due to PG&E interconnection study process
- ❑ PG&E required utility upgrades at six sites, pushing target commercial operation dates to align with PG&E's schedule
- ❑ PG&E interconnection approval is critical to finalizing interconnection equipment and storage systems – now occurring at various sites



Target Timelines

- Updated estimated completion timelines for current projects:
 - McLane High – July 2019
 - Fresno High – July 2019
 - Roosevelt High – August 2019
 - Hoover High – November 2019 (pending completion of upgrades from PG&E)
 - Bullard High – December 2019 (pending completion of upgrades from PG&E)
 - Edison High – December 2019 (pending completion of upgrades from PG&E)
 - Transportation Facility – December 2019
 - Chavez Adult School – December 2019
 - Nutrition Center – February 2020 (pending completion of upgrades from PG&E)
 - Sunnyside High – March 2020 (pending completion of upgrades from PG&E)
- Potential future solar projects at middle and elementary schools