

DISTRICT OFFICE SOLAR PHOTOVOLTAIC CARPORT SYSTEM

SCOPE

In line with the District facilities master and sustainability plans, this project was established to take advantage of Proposition 39 California Clean Energy Act funding to procure and install a self-funding solar photovoltaic carport facility at the District Office. SBCCD has engaged SunPower Corporation to design, construct, install, commission and maintain a turnkey 174-kWdc solar photovoltaic electric self-generation system, including a 25-year performance guarantee of system output as well as a 25-year operation and maintenance services agreement.

SCHEDULE

The main milestone is that SunPower file the Permit-To-Operate (PTO) with Southern California Edison before December 31, 2017 indicating the project has achieved substantial completion. The project is currently in construction after receiving the Division of the State Architect (DSA) approval. Construction and system installation started on November 27, 2017 and expected to finish by January 12, 2018. The project is on target and does not foresee any potential delay.

CHALLENGES

The system is under construction and there is a potential of underground unforeseen conditions and unexpected severe weather conditions, which may impact the PTO milestone. During construction, the north parking lot will be fenced off temporarily. Alternate parking has been secured with neighbors per attached logistical site plan.

COST

The overall design, construction and operation cost for the project is \$840,000 (turn-key). The District factored 10% design and construction contingency. The estimated 25-year net savings to the District is \$475,000. The project is approved by the California Community College Chancellor's Office for spending authorization up to \$890,000 out of Prop 39. The project will include four electrical charging stations, emergency phone and security cameras added as a change order. The project is 100% managed by District staff, which saves approximately 8-10% of the project value.

THINGS TO FOLLOW

- Complete the construction and installation of the solar carport system and receive PTO.
- Complete resurfacing and striping the north parking lot.
- Monitor the system output to make sure it achieves the promised savings.