

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 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 30, 2018 including resurfacing and restriping north parking lot as well as receiving the Permit-To-Operate from Southern California Edison. The project is on target and does not foresee any potential delay except lost time due to rain. Finishing the installation of electrical charging stations, emergency phone and security cameras is expected by February 28, 2018.

CHALLENGES

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 saving 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

- Receive PTO from SCE.
- Receive DSA approval for the project.
- Monitor the system output to make sure it achieves the promised savings.