

Agenda

- Solar & EV Charging Projects Background
- District and Community Benefits
- Project Details & Schedule
- Examples of Solar PV Carports
- Renderings of Glenwood ES Solar Project
- Questions & Answers







Solar & EV Projects Background

- SRCS is committed to reducing environmental impacts with cost effective energy efficiency, conservation & generation projects
- District conducted solar feasibility study in 2017
- Identified sites that could be funded entirely with Prop 39 grant money and generate greatest return to District
- First pilot projects include San Pedro Elementary and Glenwood Elementary, with more to follow
- District participating in PG&E's EV Charge Network Program to install 10 EV chargers per site w/no infrastructure cost to SRCS







Community Benefits

- Provides access to public EV Charging stations
- Provides shade to staff and visitor parking
- Provides locally generated, clean, renewable energy
 - Offsets 43 tons of eCO₂ emissions/year, equivalent to planting 8,600 trees/yr
- Provides teaching example of solar energy to learn in class
- Generates \$1.4M in electricity cost savings over 25 years
- Frees up General Fund \$\$ to be used in classrooms
 - Better Schools = Higher Property Values
- Improves lighting efficiency and reduced light pollution in parking lot
- Statement of environmental stewardship for students & public

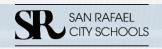






GES Solar Project Details & Schedule

- System Size: 85.32 kW DC (216 SunPower modules)
- Energy Generation: ~133,500 kWh/yr (94% site offset)
- System Cost: \$357,491 (\$0 cost to District)
- <u>Utility Savings</u>: ~\$19,700 yr-1 | ~\$592,700 25-yrs
- Shade Created: 4,845 sq. ft.
- Schedule: Design: 6/7/2019 10/23/2019
 - Construction: 12/16/2019 1/10/2020
 - Operational: February 2020







Solar Carport Examples

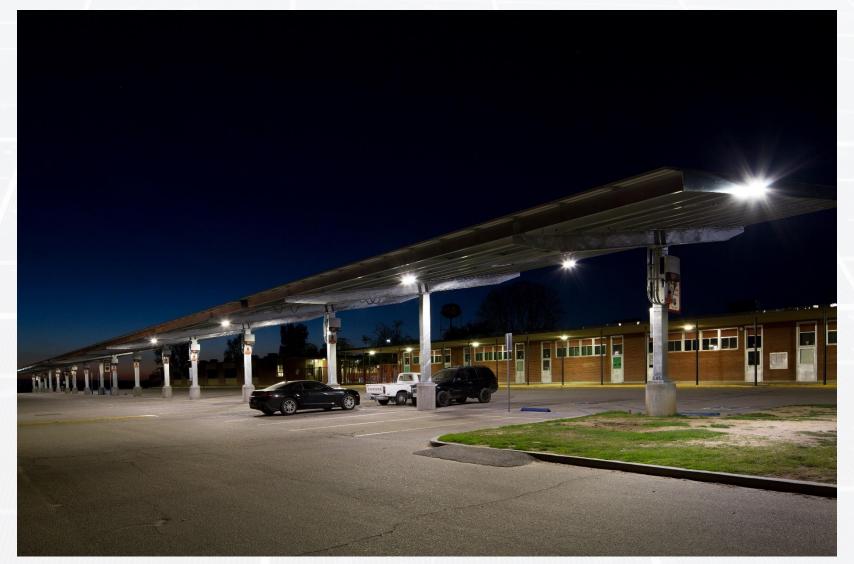








Solar Carport Examples

















































Questions?

Dan Zaich, Ed.D.

Senior Director – Capital Improvements, SRCS dzaich@srcs.org

David Williard, LEED AP

Principal, Sage Renewable Energy Consulting, Inc. david@sagerenew.com

Tim Glanville

Commercial Design Consultant, Solar Technologies tglanville@solartechnologies.com





