

# Solar PV & EV Charging Projects Community Information Meeting

Glenwood Elementary School

August 1, 2019



# 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 eCO<sub>2</sub> 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)
- Utility Savings: ~\$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





# Photo Rendering of Glenwood Solar





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# Photo Rendering of Glenwood Solar





# Questions?

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