



PROJECT OVERVIEW I COMMUNITY CENTER POOL HEATING RETROFIT

OBJECTIVES

Minimize pool heating cost and variability Eliminate natural gas consumption Maximize net energy savings

SPECIFICATIONS

Location: Palo Alto, CA, USA

Year: 2019

Demand: 3,300 sqft pool

Size: 120 SunDrum modules

Power: 78 kW

SOLUTION SUMMARY

SunDrum Solar nested **120 SunDrum Collectors** underneath an **existing PV array** to cost-effective **reduce pool heating demand** and net expenditure on energy and heating..

Collectors were installed on an existing solar canopy array with **no changes required to PV mounting**, **appearance**, **or warranties**.

WHY SUNDRUM SOLAR?

SunDrum Systems combine **photovoltaic** (**PV**), **solar thermal**, **and heat pump technology** to meet electrical and thermal demand simultaneously.

WHAT IS SUNDRUM SOLAR?

The award-winning, patented SunDrum Collector mounts behind PV panels to supercharge any solar system. Collectors cool the panels (improving performance) and capture usable thermal energy. Heat pump integration supports a wide range of heating and cooling applications.

HOW SUNDRUM SOLUTIONS DIFFER

More power captured

3x more solar power per panel than PV

More useful heat

Space & water heating, up to 160°F

Better financial returns

Faster payback than PV or solar thermal

Made in the U.S.A.

Predictable timelines, increased rebates



85% reduction

Annual natural gas consumption



13,000 therms

Annual thermal energy output

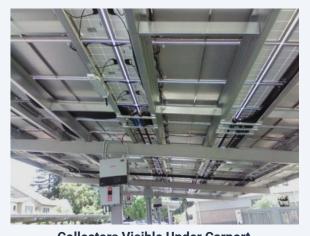


72 tonne CO2e

Annual emissions reduction



Existing Lodge Carport PV Arrays



Collectors Visible Under Carport

sundrumsolar.com





