

# CASE STUDY

WAILEA INN



## PROJECT OVERVIEW | HOTEL HYBRID SOLAR FOR POOL, WATER, & SPACE HEATING

### OBJECTIVES

- Minimize **heating cost & variability**
- Provide **24/7, high-efficiency heating**
- Support **pool & water heating demand**

### SPECIFICATIONS

- Location:** Maui, HI, USA
- Year:** 2019
- Demand:** 100% of hot water and pool heating
- Size:** 40 SunDrum modules
- Power:** 56 kW

### SOLUTION SUMMARY

SunDrum Solar nested **40 SunDrum Collectors** behind **40 PV panels** to reduce **hotel pool and hot water heating demand**. The temperate Kihei climate supports high-efficiency heating year-round, while the integrated heat pump provides continuous heating during inclement weather and at night.

### 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*



**1,000 sqft**

Limited roof space required



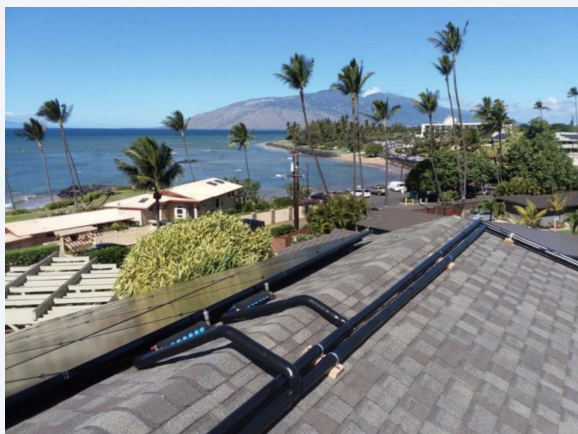
**1,900 therms**

Annual thermal energy output



**31 tonne CO2e**

Annual emissions reduction



Rooftop Solar Panels



Wailea Inn Pool

[sundrumsolar.com](http://sundrumsolar.com)

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