CASE STUDY

AUGUSTA HOTEL

PROJECT OVERVIEW | HOTEL HYBRID SOLAR WITH STRONG ROI

OBJECTIVES

Minimize **heating cost & variability**
Provide **on-demand, high-efficiency heating**
Meet **entire range of heating demands**

SPECIFICATIONS

Location: Augusta, GA USA
Year: 2017
Demand: 100% of hot water heating
Size: 40 SunDrum modules (160 PV panels)
Power: 56 kW

SOLUTION SUMMARY

SunDrum Solar nested **40 SunDrum Collectors** underneath **a 160-panel rooftop PV array** to meet this hotel's hot water needs. SunDrum Collectors, with the integrated heat pump, were able to bring tank temperatures to 110°F - 120°F consistently at high efficiency levels, and as high as 140°F on hot summer days without heat pump use.

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

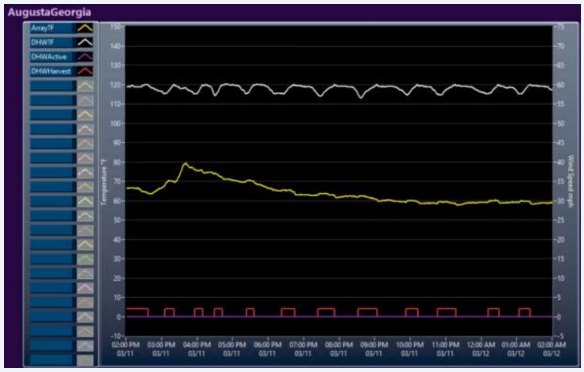
More power captured
3x more solar power per panel than PV
More useful heat
Space & water heating, up to 160°F
Better financial returns
Faster payback than PV or solar thermal
Made in the U.S.A.
Predictable timelines, increased rebates

≥ 120°F
Hot water temperature attainable

24/7
Hot Water Available

5x more
Total Energy Than PV Alone

Rooftop Solar Array



Water Temperature Maintained 110°F - 120°F

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Made in USA

ICC-SRCC OG-100 Certified