CASE STUDY

TIP O'NEILL BUILDING

PROJECT OVERVIEW | FEDERAL BUILDING HYBRID SOLAR

OBJECTIVES

Maximize **sustainability**
Offset **thermal demand**
Promote **innovative design**

SPECIFICATIONS

Location: Boston, MA
Year: 2011
Demand: Building hot water
Size: 144 SunDrum modules
Power: 69 kW thermal + 30 kW electric

SOLUTION SUMMARY

SunDrum Solar installed a large, **69 kW thermal array** on the roof of the Tip O'Neill Federal Building in Boston, MA - at the time, the largest hybrid solar installation in the country, and the first such installation on a federal or commercial building. The U.S. General Services Administration (GSA) lauded the project as a step toward reducing environmental impact while saving taxpayers money.

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

4,993 trees
Equivalent CO2e emissions benefit

Hudson, MA
Manufactured in the USA

29,000 kg
Annual CO2e Emissions Reduction

Tip O'Neill Building

Building Solar Installation

sundrumsolar.com

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