



GOOD ENERGY FOR
HOTEL HEATING

SAVE ON HEATING COSTS

REDUCE COST VARIABILITY

IMPROVE SUSTAINABILITY

OPTIMIZE YOUR LIMITED SPACE





GOOD ENERGY GOOD COMFORT HOSPITALITY HEATING SOLUTIONS

BETTER HEAT FOR HOTEL OPERATIONS

Hotel operations require continuous, reliable heat - and variable heating costs can quickly eat into profits. Hotel operators at all scales face a challenge: **How can I control my heating costs with the space and resources I have?**

SunDrum Solar provides a solution. Our suite of technologies combines **photovoltaic solar, solar thermal, and heat pump technology** into integrated systems that provide **high-volume, high-quality, consistent & reliable heat** at a cost that maximizes the value of hotel operations.

IMPACT

SunDrum Solar substantially reduces the cost of heating for hotel operators compared to natural gas, propane, or electrical resistive heating. A SunDrum Solar system improves the sustainability of your hotel operations while increasing profits by thousands each year.



BENEFITS FOR HOTELS

SunDrum Solar provides the heat hospitality operations need at a lower and more consistent price than natural gas, propane, or electrical heating.



Spend less on heating

Delivers heating at a lower lifetime cost than natural gas, propane, or electricity - improving profitability



Provide more heat with limited space

Provides 8x the energy of solar alone, maximizing the value of your roof space



Take advantage of incentives

Offers federal and state energy rebates to offset more than 40% of the cost of a well-qualified system

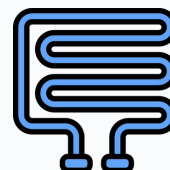
HOW DOES SUNDRUM SOLAR WORK?



PV Solar



Solar Thermal



Heat Pump

SunDrum Collectors mount directly behind conventional photovoltaic (PV) panels. A heat transfer fluid (propylene glycol) moves heat from the panels to an integrated heat pump to provide water heating.

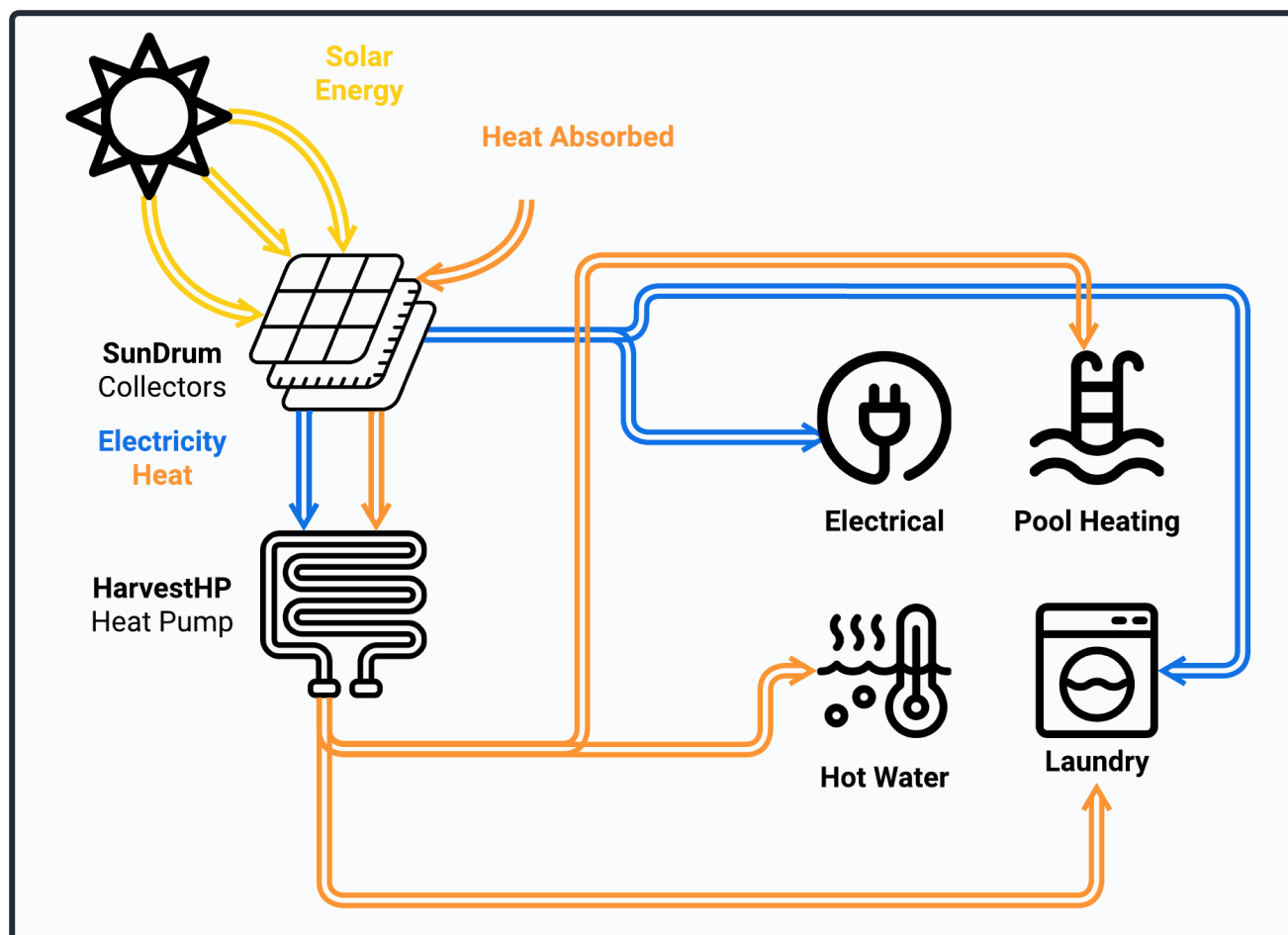
When the sun is bright, the sunlight on the panels provides a direct source of heat for high-temperature, continuous water heating.

When the sun is dim, the integrated heat pump pulls heat from the surrounding air, providing on-demand heating at high efficiencies 24/7.

The result: 8x more solar energy capture than conventional solar with the same number of panels.



INTEGRATING SUNDRUM SOLAR



SunDrum Solar captures heat and electricity with an integrated heat pump to provide 24/7 heating for anaerobic digestion systems. The power drawn by the heat pump is provided by the panel, and a SunDrum system reduces - and in many cases eliminates - the need for expensive battery and thermal storage.

SunDrum Solar can provide the heat you need for laundry, sanitation, pool heating, and guest hot water. SunDrum Solar systems eliminate the need for expensive battery and thermal storage.

A SunDrum System provides 24/7 heating at industry-leading efficiency, capturing 8x more energy per panel.

SunDrum Systems are designed specifically based on each client's goals, priorities, and resources.



EXAMPLE SYSTEM

Consider a hotel with **200 rooms** averaging **400 sqft per room**. This client wants to offset 15% of their heating demand to qualify for an SB504 Loan. The design will include new PV solar panels for each SunDrum Collector.

Heating Goal:	6,000 Therms
SunDrum System Size:	90 Collectors
PV System Size:	90 PV Panels
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Annual Savings Value:	\$23,000
Annual Financing Cost:	\$19,000
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Net Annual Savings:	\$4,000
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Annual kg CO2 Avoided:	30,000
Net Lifetime Savings:	\$150,000

With a 20-year, 6.0% loan with the down payment offset by incentives, the hotel nets nearly \$4,000/yr in savings compared to natural gas heating. The value of these savings will increase over time, as the cost of SunDrum System financing remains fixed while energy costs increase.

IMPROVING HOTEL PROFITS

SunDrum Solar provides continuous, reliable heat that meets the on-demand heating needs of hotel hot water and pool heating operations. SunDrum Solar significantly reduces lifetime expenditure on heating, markedly improving profitability and reducing cost variability.

SunDrum Solar can also help increase the share of total emissions offset by sustainable and renewable solutions, improving eligibility for incentive programs like SB504 and other grants and opportunities targeting sustainability.

NEXT STEPS

Contact SunDrum Solar today to begin the process of engineering your system and taking advantage of reduced heating costs, increased incentives, and improved system profitability.

Our proven system has been installed at over 200 sites nationwide, and our systems have reduced carbon emissions by over 17 million pounds - and counting. **Make SunDrum Solar a part of your sustainability strategy today.**

