



The Best Solar Solution for Cool White Rooftops

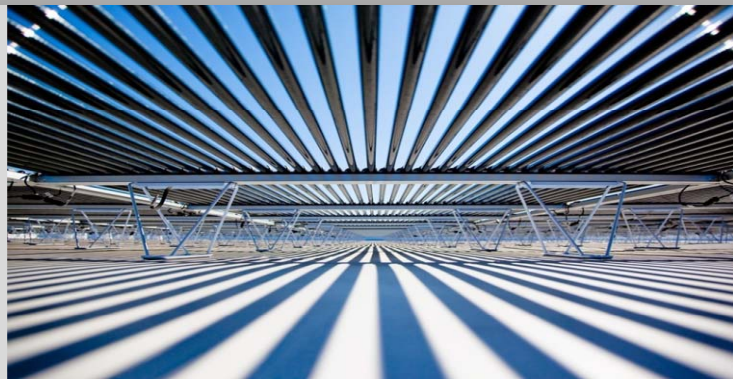
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 **SOLYNDRA**[®]

Solyndra Business Overview

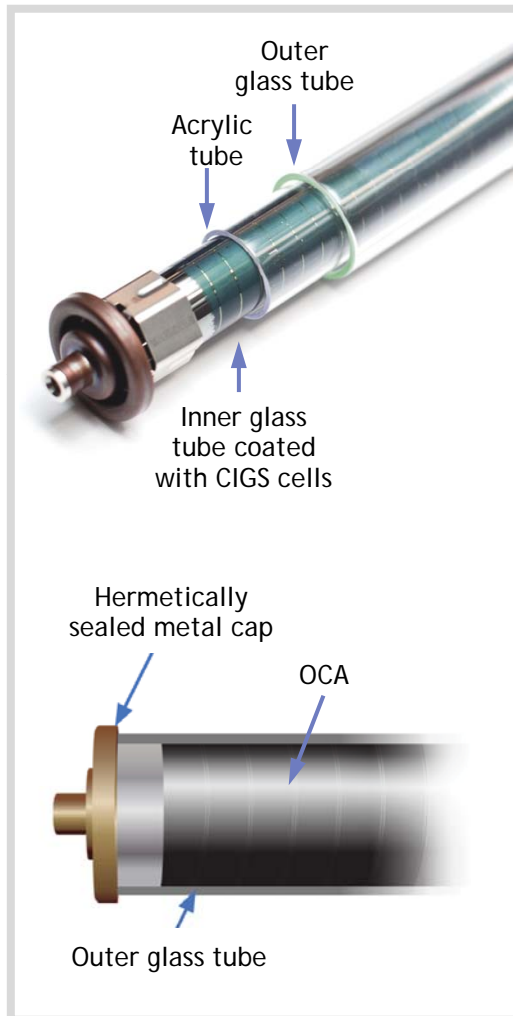


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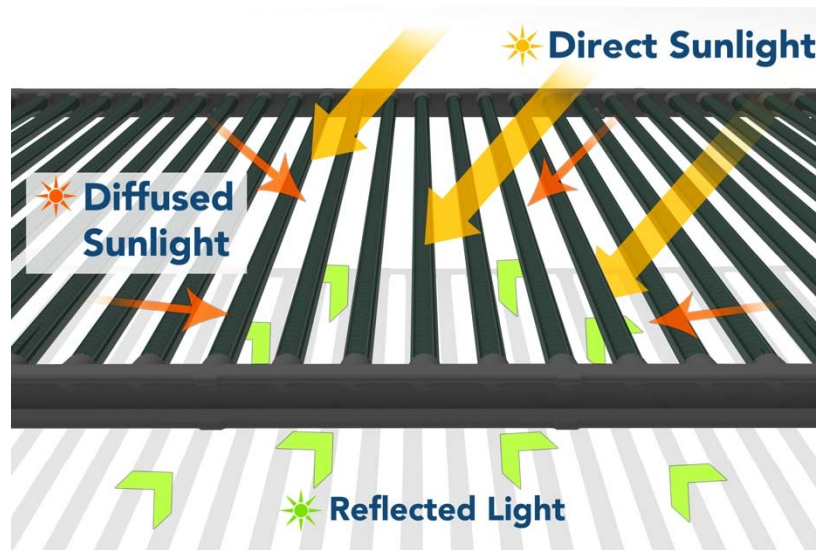


- Based in Fremont, CA
 - ~ 1,000 employees
- 1000+ installations in >20 countries
- >100MW shipped
- Most compatible rooftop solar solution
 - Low impact to roof system
 - Low distributed load
 - Non-penetrating
 - High wind performance
- Low weight, 2.8 lbs/ft²
- Allows roof drainage
- Bridges obstructions
- Lower install foot traffic
- Maintains roof warranty

Unique Form Factor Captures Light from 360°

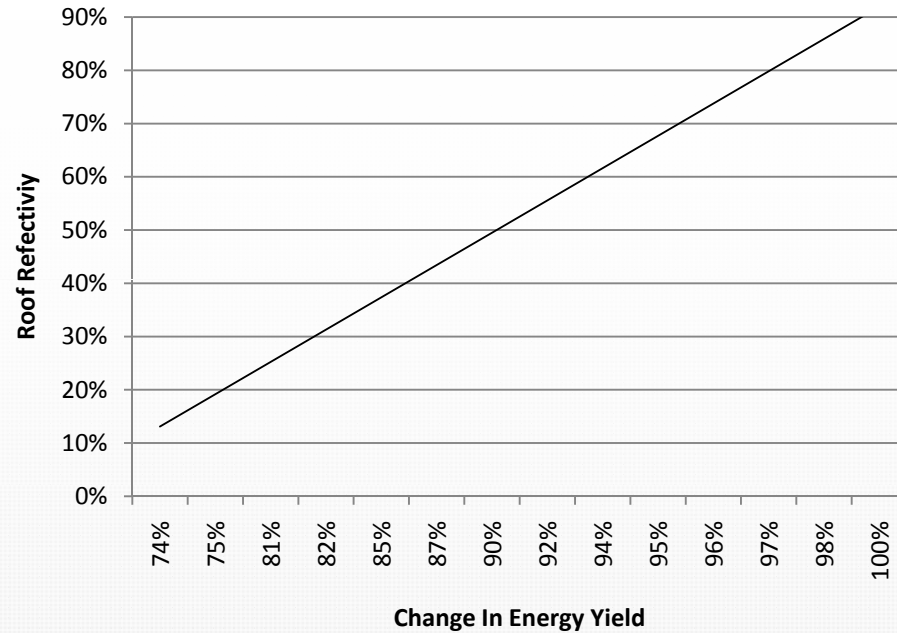


- CIGS inner tube
- Hermetically sealed outer tube
- Lower film-stress package
- “Passive tracking” of tubes
- Panels and roof work in tandem to support your building envelope
- White roof is part of Solyndra “energy system” for tax purposes



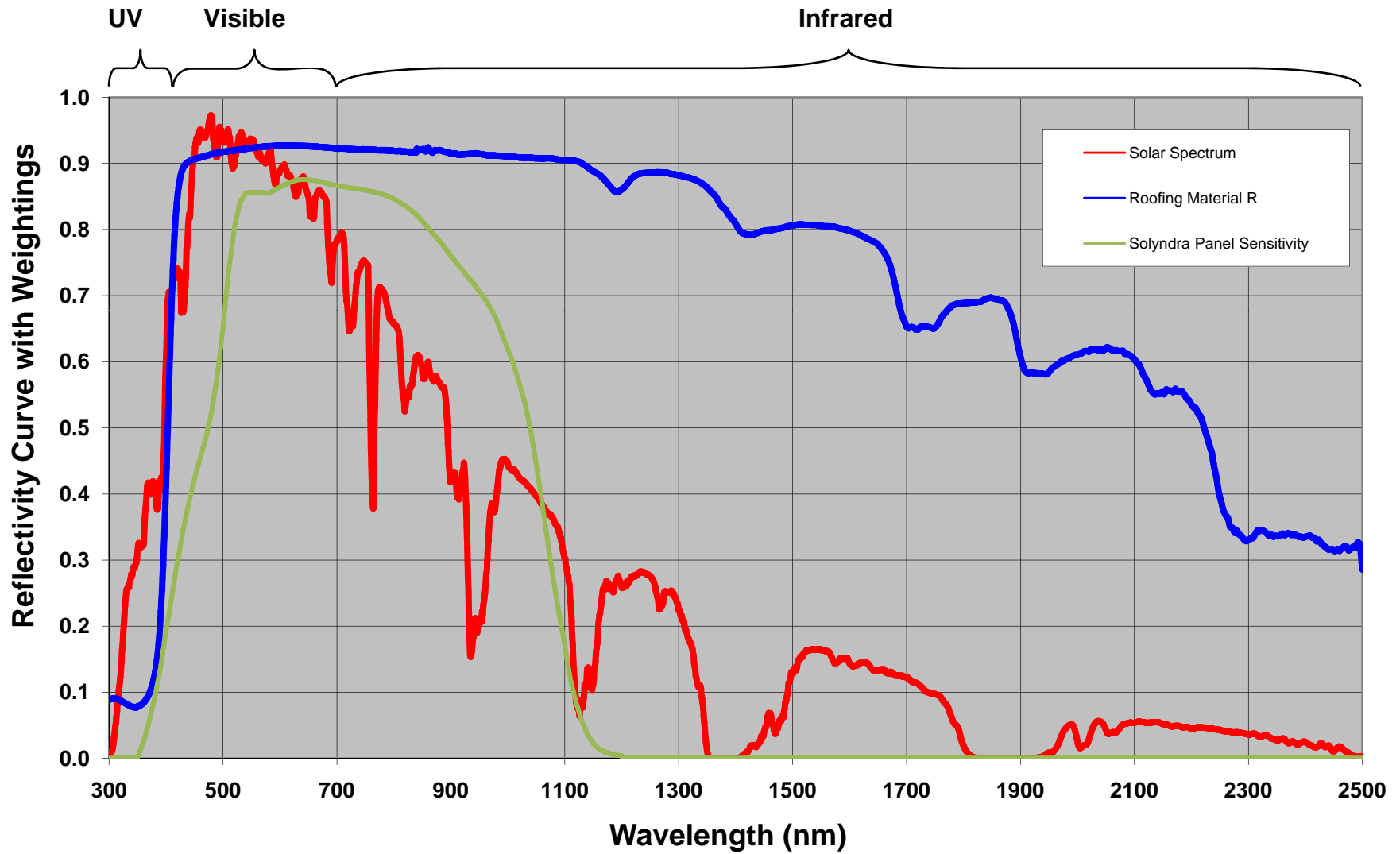
Roof Reflectivity vs. Annual Photovoltaic Energy Yield

Example Roof Types	Roof Reflectivity Settled	Annual Energy Yield
Dark Grey Membrane	7%	74%
	10%	75%
Grey Membrane	29%	81%
	32%	82%
Galvanized Metal	40%	85%
Light Grey Membrane	45%	87%
Tan Membrane	57%	90%
	60%	92%
White "Cool Roof" Membrane or Reflective Field Applied Coating	67%	94%
	72%	95%
	74%	96%
	78%	97%
	79%	98%
	87%	100%

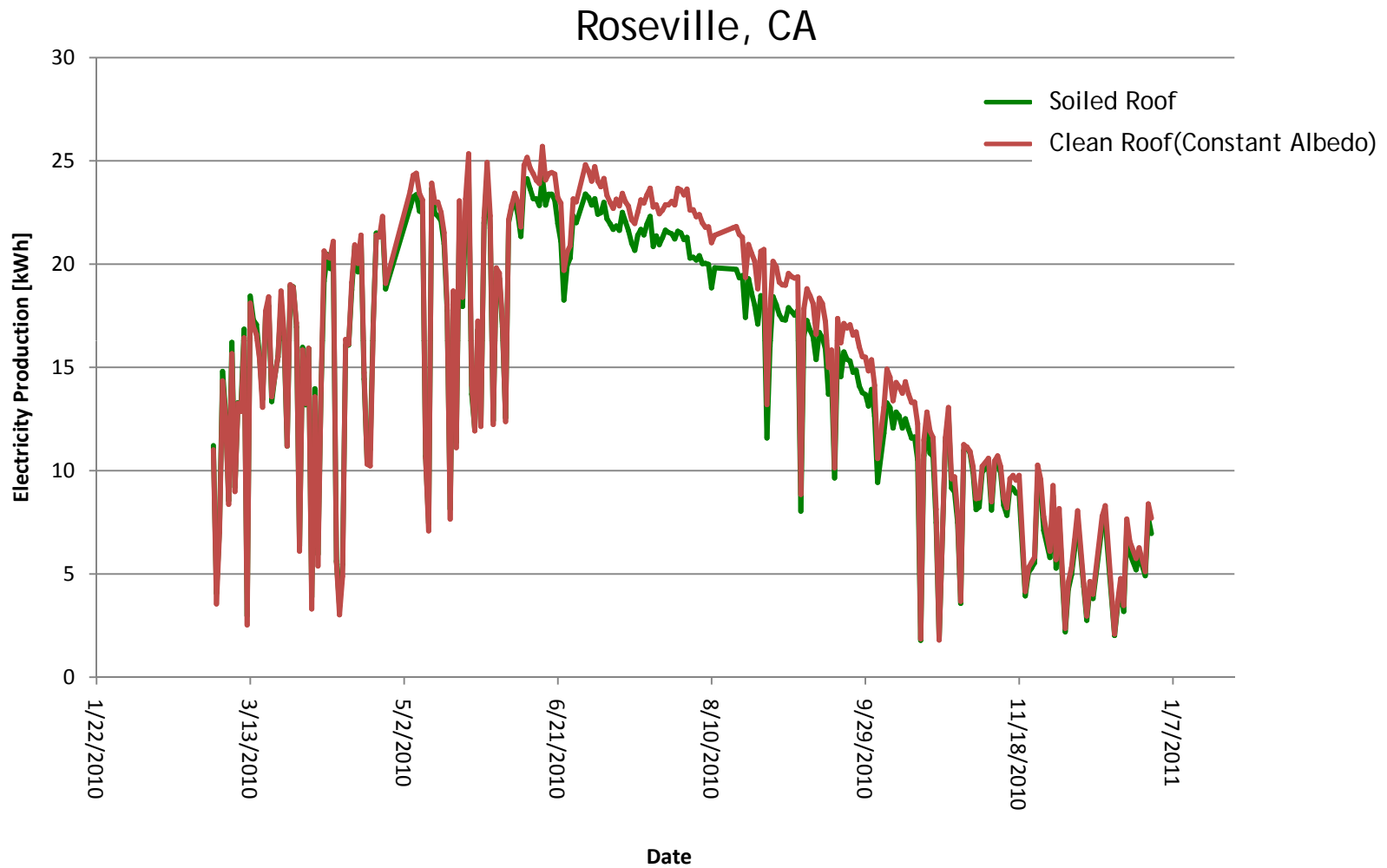


- ~20-30% of annual energy yield comes from white membrane reflection
- Rule of thumb: ~10% increase in reflectivity = 3% annual energy gain

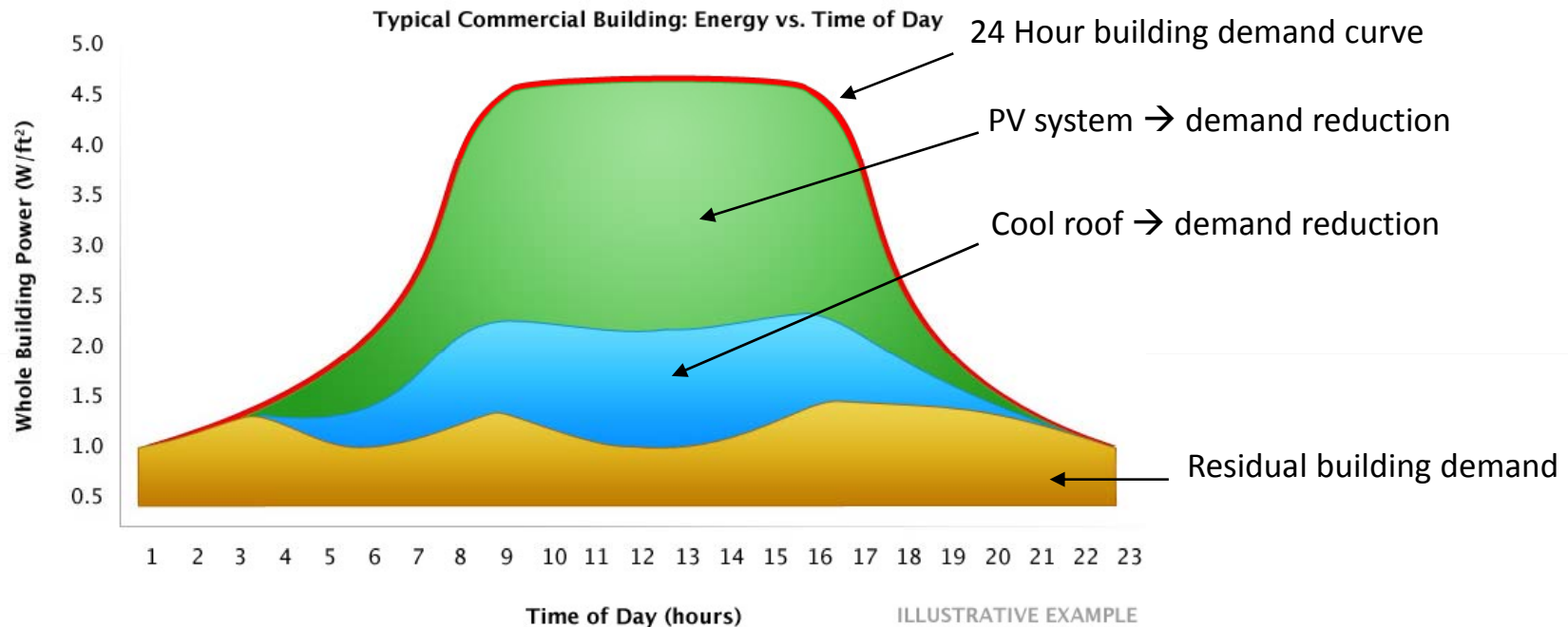
White Roof Reflectance



Energy Production Profile



Cool Roofs and Solyndra: "Building Envelope" Efficiency



Annual Cool Roof Savings

- Phoenix, Arizona \$0.18/ft²
- Las Vegas, Nevada \$0.15/ft²
- Rome, Italy (estimate) \$0.13/ft²

The 20 Year NPV of
\$0.15/sq.ft. = \$0.16 / Watt





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