



HIGH PERFORMANCE SOLAR POWER SYSTEMS

DESIGN • ENGINEERING • CONSTRUCTION

The Company: **WHAT SETS US APART**

Our Proven Track Record

- Established in 2007, and with over 150 completed projects, we are a leading provider of high-performance solar bringing the critical experience necessary to deliver top-tier systems at every scale.

Our Comprehensive Capabilities

- Our accredited team of professionals in the fields of structural and electrical engineering, architecture and solar installation enable us to take on the unique challenges of any project.

Our Business Insight

- We bring analysis and perspective on the most current business issues and financial considerations that impact our clients' investment.



Services & Capabilities: **OPERATIONS & MAINTENANCE**

Ensuring Maximum Performance

For clients with solar power systems already up and running, Radiance Solar offers service plans that ensure your system is always performing at maximum efficiency.

O&M Plans are customized based on client needs and include:

- Module Cleaning
- Scheduled Inspections
- Custom Reporting
- Comprehensive System Performance Analysis

Partial Client List

COMMERCIAL



Partial Client List

INSTITUTIONAL, NON-PROFIT & GOVERNMENT



UTILITY DEVELOPERS



Benefits of Solar

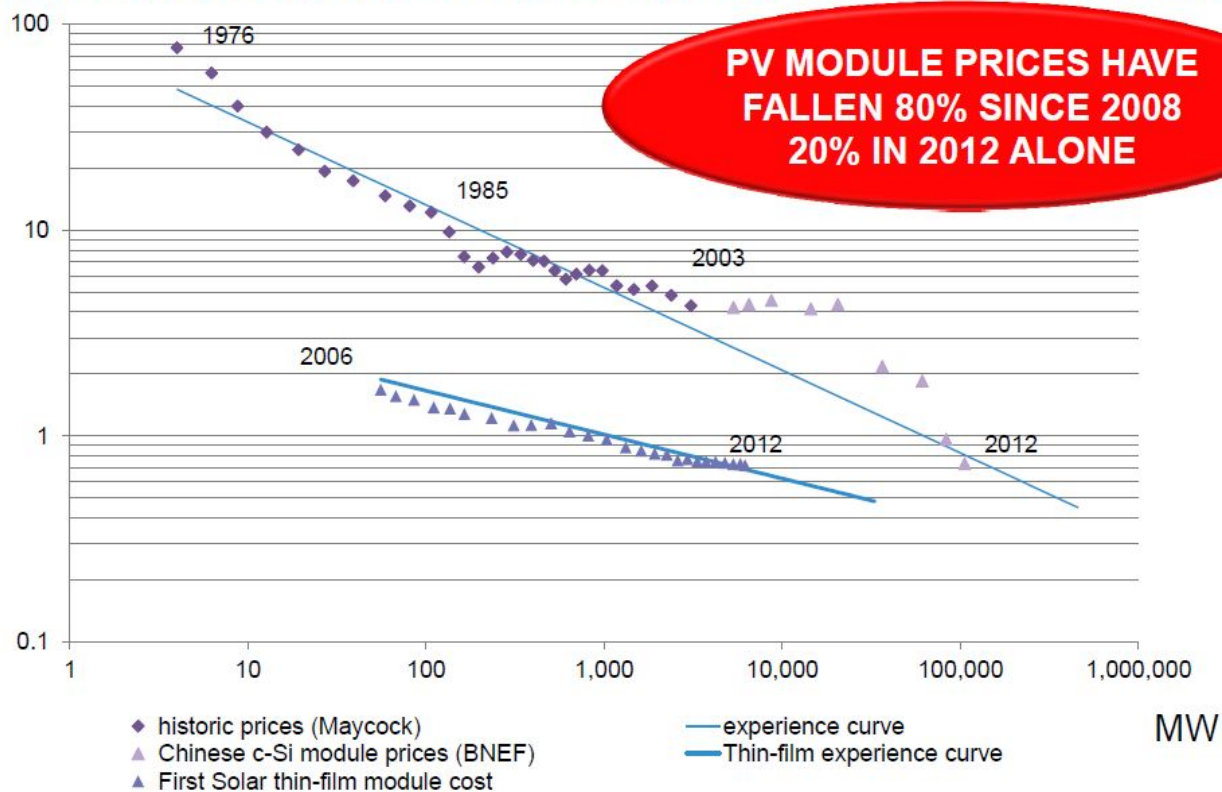
- **Safe**
- **Reliable**
- **Low Cost – No Fuel Risk**
- **Clean – No air quality, CO2 or Water Impact**

Benefits of Solar

- **Energy savings**
- **Capacity cost savings**
- **Grid support savings**
- **Customer benefits**
- **Financial/Security benefits/savings**
- **Environmental cost savings**
- **Social benefits**

The Benefits of Solar: Dramatic Price Drops in Module and Installation

PV EXPERIENCE CURVE, 1976-2012 2012 \$/W



Solar Snapshot: **KEY TRENDS AND ISSUES**

Which companies are integrating solar?

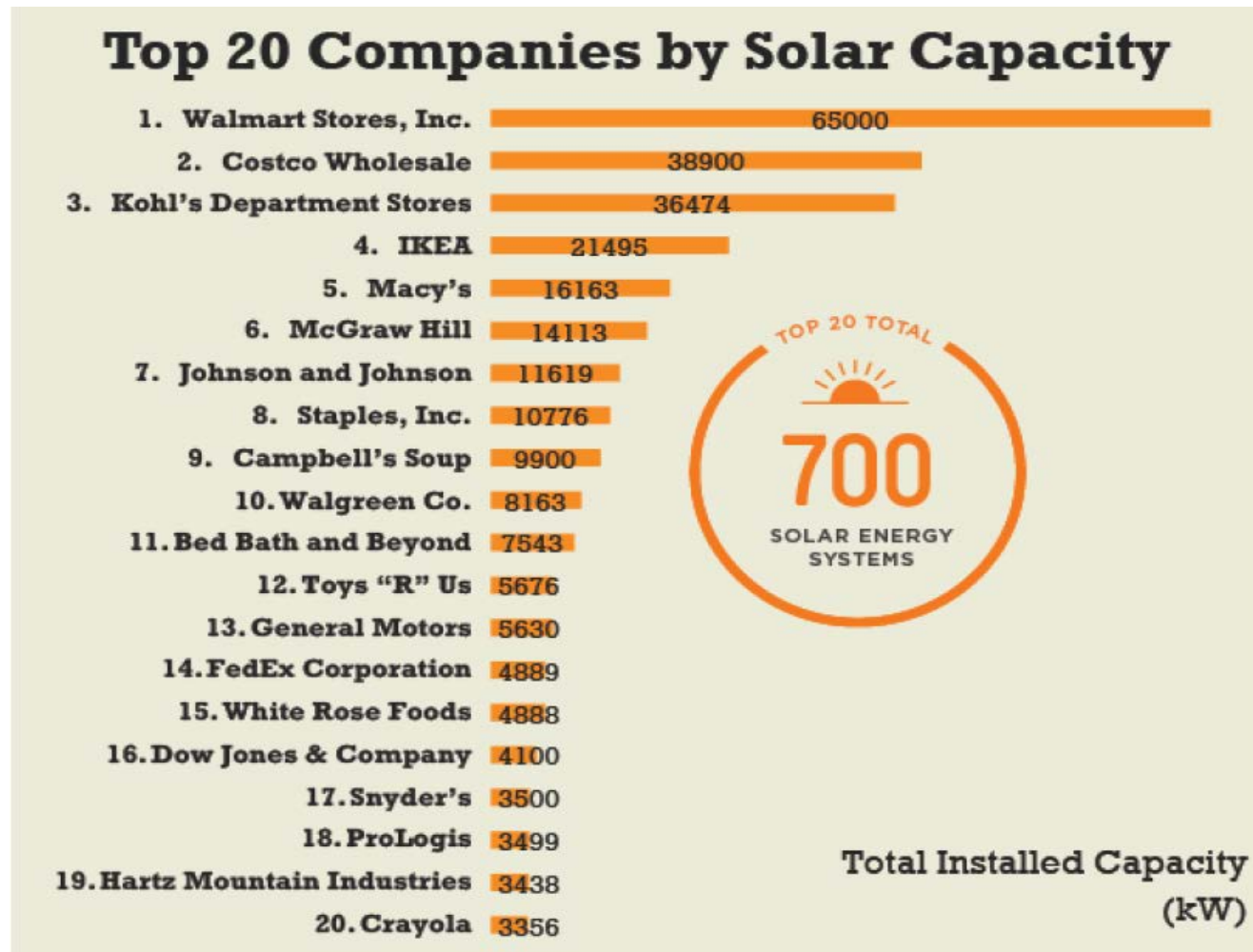
BERKSHIRE HATHAWAY INC.



Google



Solar Snapshot: KEY TRENDS AND ISSUES





Camilla Solar Plant

South Georgia's First Utility Scale Solar Project • Camilla, GA

20 MW FACILITY

- Design, engineering and DC construction provided by Radiance Solar
- 68,542 Trina Solar Modules
- 314 SMA Tri-power Inverters
- 260 Shoals Technology Combiner Boxes
- 286,436 Helical Piles, manufactured and installed by Cantsink Atlanta
- 26.5 MWh annual production
- Feeds into Georgia Power's grid at 12 KV
- Project developed by Origis Energy and awarded through the Georgia Power's Advanced Solar Initiative





Woodland Solar Power Plant

1 Mw Solar Power Plant • Woodland, GA



1 MW FACILITY

- Design, engineering and DC construction provided by Radiance Solar
- 3,542 Renesola Solar Modules
- 24 SolarMax Inverters
- Shoals Technology Combiner Boxes
- Helical Piles, installed by Cantsink Manufacturing
- 1.325 MWh Annual Production
- Developed by Hecate Energy for Georgia Power Advanced Solar Initiative





Rocky Creek Solar Farm

One of Georgia's First Solar Power Plants • Upson County, GA



1 MW FACILITY

- Design, engineering and DC construction by Radiance Solar
- 3,542 Talesun 285 W Modules
- 161 22-Panel Arrays on Solar Flexrack Mounting
- 483 Cantsink Helical Piles
- 2 Satcon 500 480V Inverters
- 13 Shoals Technology Combiner Boxes
- 1.325 MWh Annual Production
- Feeds into Georgia Power transformer and distributed via their grid at 12kV
- Project developed by:





Shaw Industries

Carpet Manufacturing Facility • Cartersville, GA



1 MW PV SYSTEM

- One of the largest commercial/manufacturing solar projects in the Southeast.
- Roof mounted system: Arrays installed on a one degree standing seam roof at a five degree tilt.
- 3,700, 270 watt Solar World Panels (US Made)
- SMA TriPower, Three-Phase Inverters
- Annual power production of 1.4 million kWh
- Participating in Georgia Power's Advanced Solar Initiative.





Anheuser - Busch Companies

Brewing Facility • Cartersville, GA



500 kW PV SYSTEM

- Designed, engineering and procurement services provided by Radiance Solar.
- 1,672 Suniva 295 watt modules.
- Advanced Energy Inverter with Shoals Technologies Combiner Boxes .
- Part of the Anheuser-Busch "Our World Responsibility Program."

"Integrating solar would make a big contribution to our environmental goals and would bring additional long-term benefits to the bottom line,"

Al Greenwood,
Facility Engineer, Anheuser-Busch.





IKEA International

One of the Largest Commercial Installations in the Southeast • Atlanta, GA



1 MW PV SYSTEM

- Contracted by Strata Solar and Gehrlicher Solar to oversee and install electrical, including AC/DC, inverter, monitoring and interconnection to GA Power.
- 4,312 Yingli 240 W Modules
- 500 and 333 Advanced Energy Solar Inverter
- Solar Magic Revenue Grade Monitoring system and weather station





The City of Ashburn

Largest Municipal Installation in the State • Turner County, GA



300 kW / 4 PV Systems

- Design, engineering and DC construction provided by Radiance Solar
- 227 kW with three ground mounted systems
- 73 kW Roof mounted System
- Suniva Modules
- Solectria Inverters
- Renusol Roof Racking System
- 413,700 kWh annually
- Powers municipal water pump stations and buildings
- Interconnected to Georgia Power.





Providence Hill Farm

Poultry Growing Operation • Jasper, GA

100 kW FACILITY



- Radiance Solar delivered turnkey installation for the roof mounted system.
- Will supply nearly all of the poultry farm's electricity needs.
- 333 Suniva Modules
- 8 SMA Transformerless Inverters
- Will generate 135,000 kWh of power annually.
- Interconnected to Amicalola EMC, and is the largest solar power system in the utility's service area.





GA Tech Clough Student Center

\$90 Million Sustainable Facility • Atlanta, GA



86 kW PV SYSTEM 30 COLLECTOR TH. SYSTEM

- Design, engineering, and construction provided by Radiance Solar
- 358 Suniva 240 W modules on proprietary mounting system
- 14 SMA Sunny boy 6,000 W Inverters
- 30 AET solar hot water collectors with 3,500 gallon storage tanks
- LEED certified building, used as educational tool for students





Persimmon Creek Vineyard

Winery Operation • Clayton, Georgia



• 8 kW PV System

- 30 Sunpower 335 watt panels
- Power One 8,000 watt inverter
- Roof mounted system
- 11,600 kWh/year Produced
- Interconnected to Habersham EMC power grid



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