The Faces of Solar
Real Benefits and Jobs for Real Marylanders
Photo taken on site of City of Baltimore Sunburst Project, February 2012.
### Solar Photovoltaic (PV) Capacity Across Maryland by County *

<table>
<thead>
<tr>
<th>County</th>
<th>Residential Capacity</th>
<th>Commercial Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allegany</td>
<td>24.4 kW</td>
<td>91.08 kW</td>
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<tr>
<td>Anne Arundel</td>
<td>915.91 kW</td>
<td>2,127.83 kW</td>
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<tr>
<td>Baltimore County</td>
<td>972.51 kW</td>
<td>190.19 kW</td>
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<tr>
<td>Baltimore City</td>
<td>112.92 kW</td>
<td>2,650 kW</td>
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<tr>
<td>Calvert</td>
<td>183.52 kW</td>
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<tr>
<td>Caroline</td>
<td>61.93 kW</td>
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<tr>
<td>Carroll</td>
<td>398.56 kW</td>
<td>240.96 kW</td>
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<tr>
<td>Cecil</td>
<td>242.44 kW</td>
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<tr>
<td>Charles</td>
<td>108.44 kW</td>
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<tr>
<td>Dorchester</td>
<td>74.64 kW</td>
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<tr>
<td>Frederick</td>
<td>319.38 kW</td>
<td>556.1 kW</td>
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<tr>
<td>Garrett</td>
<td>17.19 kW</td>
<td>74.52 kW</td>
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<tr>
<td>Harford</td>
<td>376.45 kW</td>
<td>805.98 kW</td>
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<tr>
<td>Howard</td>
<td>1,234.46 kW</td>
<td>604.65 kW</td>
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<tr>
<td>Kent</td>
<td>31.14 kW</td>
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<tr>
<td>Montgomery</td>
<td>2,308.35 kW</td>
<td>387.21 kW</td>
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<tr>
<td>Prince George's</td>
<td>456.61 kW</td>
<td>407.7 kW</td>
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<tr>
<td>Queen Anne's</td>
<td>136.72 kW</td>
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<tr>
<td>Somerset</td>
<td>8.2 kW</td>
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<tr>
<td>St. Mary's</td>
<td>162.32 kW</td>
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<tr>
<td>Talbot</td>
<td>132.56 kW</td>
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<td>Washington</td>
<td>212.3 kW</td>
<td>182.6 kW</td>
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<tr>
<td>Wicomico</td>
<td>168.48 kW</td>
<td>38.64 kW</td>
</tr>
<tr>
<td>Worcester</td>
<td>87.33 kW</td>
<td>116.84 kW</td>
</tr>
</tbody>
</table>

**Source:** Maryland Energy Administration. Smart Energy Investment Map.

*Solar Hot Water Installations are not included in the above table.*
**Founded:** 2009

**Location:** Anne Arundel County

**Employees:** 11

**Principal/s:**
Ken Stadlin, President
Chris Cather, Director of Structured Finance
Julia Sullivan, Director of Innovation
Erin Alexander, Operations and Customer Service
Ashley Shrader, Director of Sales and Project Development
Corey Ramsden, Project Manager
Daryl Cooper, Installation Manager

**Website:** [www.kenergysolar.com](http://www.kenergysolar.com)

**Mission:**
To help homeowners and businesses save money through the installation of a high quality solar system.

**Why go solar?** To hedge against the rising rate of electricity.

**Installs:** 70

Kenergy recently structured a Power Purchase Agreement and completed the installation of a 44 kW solar PV system at Adat Shalom Temple in Bethesda, Maryland. At Kenergy Solar, we think that the mid-sized solar installation market is underserved and we are working to make structured finance options more available.
**Founded:** Incorporated in 2006

**Location:** Anne Arundel County

**Employees:** 22 employees including partners, office staff, installers, and shop staff

**Principal/s:** Roger Perry and Rick Peters

**Website:** [www.solarsaves.net](http://www.solarsaves.net)

**Mission:** Design and install the best solar value for our customers, helping them to participate in the benefits of renewable solar energy.

**Why go solar?** It’s clean, renewable, local, and it saves lots of money and resources. About five years ago, the cost of electric solar energy systems was double that of today. With grants and incentives, solar system customers can expect a payback within 3-10 years, depending on the type of system they choose. Most solar energy systems are designed to hold up for 25+ years. Customers are able to “lock in” their utility rates over that time and hedge against the likely future increases in energy costs.

**Installs:** 85 in 2011

We are very committed to the advancement of medium and large scale solar water heating system applications. In the last two years we have deployed over 25 commercial solar water heating systems, in the process raising the profile of this important renewable energy opportunity.

With our founder’s 34 years of experience, SES has more years of installation experience than any other firm in the region. Our firm has a commitment to the industry that projects beyond current governmental incentives and trends. Solar Energy Services, Inc. is dedicated to providing high quality solar energy system designs, installations, and service throughout the mid-Atlantic. We are also very committed to supporting the advancement of the industry nationally and worldwide.
Founded: 2004 (in a row house in Baltimore)

Location: Anne Arundel County

Employees: 600 employees world wide with about 100 in Maryland

Principal/s: Carlos Domenech, President, and Tim Derrick, General Manager North America

Website: www.sunedison.com

Mission: SunEdison is true to our motto - our goal is to simplify solar and make it accessible to all by aggressively driving towards grid parity.

Why go solar? Customers buy for a number of reasons - hedging against future increases in the cost of electricity; sustainability objectives; and in some parts of the world solar is a more reliable electricity source.

Installs: As of Q3 2011, SunEdison has approximately 500 MW of solar in operation.

SunEdison is proud of the fact that we were the first company to offer a solar to customers with no up front costs.
**Founded:** 2007

**Location:** Baltimore City

**Employees:** 10

**Principal/s:** Robert L. Wallace, President & CEO, R. Daniel Wallace, Dir. Renewable Energy Systems, Corey Culbreath, Dir. Energy Information Systems, Harry Holt, Director of Smart Grid Systems

**Website:** [www.bithenergy.com](http://www.bithenergy.com)

**Mission:** At BITHENERGY, we work to help people and businesses throughout the world to maximize the business value from every investment that is made in energy processes and systems. Our solutions focus on innovation in energy information systems, energy infrastructure support, and renewable energy systems. This is our mission. Everything we do reflects this mission and the values that make it possible.

**Why go solar?** Reduce pollution, reduce energy costs, and build a foundation for sustainable, long-term economic development.

**Designs:** 37 to date

BITHENERGY recently completed a 700KW rooftop and ground mount solar array for Chimes, Inc. a nonprofit organization in Baltimore that helps developmentally disabled adults gain and keep employment. Our company has also built the only Hybrid Renewable Energy Home in the City of Baltimore.

BITHENERGY, an award-winning renewable energy consulting firm, provides engineering and technical services to assist government, corporations and residential clients in maximizing the business value and efficiency of each unit of energy that is produced and consumed. BITHENERGY offers clients intelligent strategies, advanced information systems, innovative technologies, and full implementation services necessary for managing energy consumption, smart grid infrastructure build out, and the development of renewable energy systems. BITHENERGY provides value to our clients by meeting complex energy challenges with innovation, bold vision and great attention to detail.

Based in Baltimore, our company has established a 17-year history and stellar reputation by providing reliable and cost-effective services to our clients. In 2008, we were awarded the coveted contract to record and examine all state of Maryland utility bills to help understand Maryland’s energy consumption and help reduce it. We also have developed a ground-breaking hybrid renewable energy solution (HRES™) combining solar, wind and green roofs, maximizing available renewable energy.
**Founded:** 2009

**Location:** Baltimore County

**Employees:** 5

**Principal/s:** Pranay Kohli; Kenn Walters

**Website:** [www.amidus.com](http://www.amidus.com)

**Mission:** To provide best-in-class and integrated commercial clean energy systems for producing electricity, heat, hot water, and air-conditioning.

**Installs:** (selected list, completed and forthcoming) Solar Water Heating installation for 304 apartments in Alexandria, VA (multi-family residential); Solar Water Heating installation for 300 apartments in Arlington, VA (multi-family residential); Solar PV project, UMBC, Baltimore County, MD (University); Solar Water Heating, Industrial use, Fairfax, VA; Integrated solar solutions for five federal building in DC and MD.

We leverage our extensive experience in the energy sector, from manufacturing to installation to international energy consulting, helps bring together diverse technologies and techniques to design and deliver customized innovative clean energy solutions.
**Founded:** 2007

**Location:** Baltimore County (with satellite offices in Reading, PA and Charlotte, NC)

**Employees:** 49

**Principal/s:** President/ Owner: Paul Wittemann, Regional President: Jay Radcliffe, Controller: Barbara Brozene

**Website:** [www.greenspringenergy.com](http://www.greenspringenergy.com)

**Mission:** Helping homeowners and businesses reduce their energy costs through a full line of solar energy systems, and innovative energy saving products and services.

**Why go solar?** It just makes financial and environmental sense. The government is offering large support and financial incentives for those people taking steps to produce their own energy and become more efficient as well.

**Installs:** We are on track to have 1500 solar installations completed by March 2012.

Greenspring was ranked 15th on the inc. 500/5000 for 2011, named Schuco Dealer of the Year in 2009 and 2010, and has an “A” rating with the BBB.

Many more awards and accolades listed on our website at [http://www.greenspringenergy.com/about/experience/industry-certifications.aspx](http://www.greenspringenergy.com/about/experience/industry-certifications.aspx)

Greenspring Energy believes that the best way to lower our customers utility bills, and make a positive impact on the environment, is with our unique combination of solar and energy efficiency solutions. We are a full service solar and energy efficiency provider for residential and light commercial customers.
Founded: 2005

Location: Baltimore County

Employees: 30+

Principal/s: Wayne Pfisterer & William Cole

Website: www.pfisterenergy.com

Mission: As a provider of state-of-the-art renewable energy and on-site, distributed power generation systems, Pfister Energy works with energy consumers to identify cost-effective, reliable, and efficient energy strategies using only proven equipment. The company’s distinctive overall experience in construction, roofing, and sheet metal enables it to select the best-suited technologies to work in unison and harmony with a given facility.


Installs: 40 for a total of 15MW

We have (2) Certified Solar Roofing Professional (CSRP) on staff. This certification ensures that the roof-mounted PV system work is overseen by individuals who are knowledgeable and experienced in roofing and PV system technologies, safety and construction processes.

Pfister Energy is a renewable energy company providing innovative power solutions and energy efficiency measures for commercial, industrial, and institutional facilities. The company is a national provider and installer of turnkey renewable energy and on-site distributed power generation systems.

As a total solutions provider, Pfister Energy offers customized alternative energy systems and assists clients with the implementation of the latest technologies, with an emphasis on building-integrated applications. The company’s "green solutions" presently encompass a host of complementary systems, including Solar PV, Daylighting, Solar Thermal, Wind Turbines, Solar Lighting, Fuel Cells, Geothermal, Green Roofs, Rainwater Harvesting and Building Envelope Improvements. Pfister’s vision is to become a trusted design-build partner enabling more corporations, as well as public and private enterprises to better reap the benefits of these progressive and sustainable forms of energy.
Founded: 1993

Location: Harford County

Employees:
Currently 50+. In 2008, American Design and Build went from over 75 employees down to less than 40. With the success of our Renewable Energy Division we are now over 50+ employees with more then 20 dedicated to our Solar Marketing, Sales and Production and installation.

Principal/s: Joe and Sandi Tunney, Owners, Kevin Carmen, Vice President of Marketing

Website: www.adbuild.com

Mission: At American Design and Build we believe in providing our customers with hassle-free energy saving solutions which will benefit them far into the future. Our professional staff will work with you in every aspect, from setting up and insuring 24/7 online monitoring to doing all of the paperwork so you can receive all of the tax incentives, credits and grants. Studies show that on average, solar panels return two to four times their cost while offering protection against rising utility costs. Coupled with the all the available tax incentives and credits, American Sentry Solar is both a great investment and a great product.

With the industries best warranty, American Sentry Solar Hot Water and Solar Electric systems will continue to benefit Maryland Homeowners for many years to come.

Why go solar? It is very simple after a payback of between 3 to 7 years for most systems. The savings simply just make sense. And we believe that and are striving to show all of Maryland why it is such a perfect time to consider Solar. We need to have the incentives in place for all to benefit.

Installs: Over 500 residential solar systems in Maryland & Delaware

Quite simply, without the introduction of our Renewable Energy Division and our Solar Products, customers, not only would more than 20 employees be without a job, there is good reason to believe that American Design and Build may not have survived the recession. Today we believe we are continuing to grow and hire new employees for our solar division and we are confident that we will continue to grow as with our desire to spread the benefits of residential solar in Maryland. American Design And Build has quickly become the largest Velux Solar Hot Water provider in the State of Maryland.
**Founded:** 2007

**Location:** Howard County

**Employees:** 150

**Principal/s:** Vadim Polikov, PhD (a native of Baltimore County)

**Website:** [www.astrumsolar.com](http://www.astrumsolar.com)

**Mission:** Astrum Solar’s mission is to spread solar power to the roofs across America.

**Why go solar?** Going solar is one of the best things you can do for yourself, your home, your wallet and the planet. And, lease or own, Astrum Solar makes it more accessible and affordable than ever.

**Installs:** 1,000+

Astrum Solar is the largest full-service residential solar company based on the East Coast and is growing fast. We’ve been able to reach this milestone because of the pro-solar policies Maryland has pursued and promoted in the last three years.

We’re hiring in Maryland! Our home solar experts take care of every aspect of your switch to home solar power from design, financing and installation to incentives management and monitoring.

**Photo:** Maryland Governor Martin O’Malley taking part in an Astrum Solar installation on Earth Day 2010.
Founded: 2010

Location: Howard County

Employees: One

Principal/s: Jeff Gilbert, President

Website: www.azimuthsolar.net

Mission: To provide the most impactful, effective and engaging learning experience for solar energy professionals through strategically tailored training programs and consulting services.

Why go solar? People should choose solar for personal and societal reasons. Solar energy in Maryland is a profitable energy source, when compared to conventional sources, and it is also much cleaner than conventional sources.

Jeff has delivered solar trainings and seminars to professionals and the general public for the past 18 years. Currently, his primary client is the Chesapeake chapter of the Independent Electrical Contractors association (IEC Chesapeake). Through IEC Chesapeake he regularly delivers solar energy trainings to electrical contractors and electrical inspectors.

In 2000 Jeff co-founded Chesapeake Solar, a leading mid-Atlantic solar energy company. In 2008 his company was listed on Inc. Magazine’s 500 fastest growing small companies, and later that same year Chesapeake Solar was acquired by groSolar, one of the nation’s leading solar energy companies.

Jeff has a passion for solar energy dating back to his childhood. His vision of owning a solar energy company began in early college. After selling his successful solar energy company he founded Azimuth Solar Training LLC as a way to invest back into the industry. He is now using his talent for innovation and product development to bring solar energy training and education to new level with on-demand, video-based trainings.
Founded: 2006; expanded to Maryland in 2011

Location: Howard County

Employees: 1,500, of which 50 are in Maryland

Principal/s:  
Lyndon Rive, Chief Executive Officer  
Peter Rive, Chief Operations Officer  
Robert Kelly, Chief Financial Officer

Website: www.solarcity.com

Mission: SolarCity is the nation's leading full-service solar provider for homeowners, businesses and government organizations—the first company to provide solar power system design, financing, installation and monitoring services from a single source. We understand that the environmental impact of energy production is one of the greatest challenges that our planet will face in the near future, and are committed to doing our part to alleviate this impact.

Installs:  
More than 20,000 installations to date; hundreds in Maryland
**Founded:** 2009

**Location:** Howard County

**Employees:** 70+

**Principal/s:**
Tope Lala, Geoff Mirkin, Al Gleeson, George Dunning

**Website:** [www.solareworld.com](http://www.solareworld.com)

**Mission:** Solar Energy World, LLC was formed to provide solutions for the increasing demand of alternative energy sources. The economic changes of our world require these new sources be reliable and immediate. Solar Energy World is committed to supplying the most proven solar energy systems to every hometown and business in the USA. Our vision is to help reduce our country’s and our customer’s reliance on foreign oil, reduce carbon emissions, and lower energy costs with every project we install. We put our mission into action every day by treating our customers with honesty, integrity and respect – and along with our customers playing a key role in shifting our dependency to clean, renewable resources.

**Why go solar?** In addition to helping to create a cleaner environment and increasing the value of a building or home, switching to solar energy can reduce utility bills by 40-100%. There are also numerous solar incentives and rebates available that offset initial investment costs and solar leasing programs that make solar energy affordable for every homeowner and commercial business.

**Installs:** 631 total since 2009

On Earth Day, April 22, 2011, we installed a solar energy system on our headquarters building in Elkridge. The system is approximately 48kW in size, providing 52,500 kWh, which is an equivalent to greenhouse gas emissions avoided by recycling 12 tons waste instead of sending it to the landfill. Our owners have solar installations on their homes as well. Solar Energy World practices what it preaches.

Solar Energy World, LLC, is one of the area’s leading providers and installers of solar electric systems and solar hot water systems. We offer homeowners and commercial property owners in Washington DC, Maryland and New Jersey a complete turnkey solution to solar power. Our solar power installation teams have more than 74 years of combined roofing and electrical experience.
Founded: 2000
Location: Montgomery County
Employees: 6
Principal/s: Mark Crowdis, President
Website: www.reznickthinkenergy.com

Mission: Our firm’s goal is to support those seeking sustainability, especially through renewable energy installations, by providing intelligent consulting.

Why go solar? There are a number of reasons why an individual or business might choose to invest in a solar system. Depending upon the specifics of their situation, a solar system could provide immediate or long-term cost savings, a hedge against rising electricity prices, a way of reducing ones carbon footprint, and a way to illustrate one’s commitment to the environment.

Installs: Our firm has been involved with over 100 MW of solar installations. We are not, however, a development or construction firm; we did not directly develop or build these projects.

RTE has worked across the country on renewable energy projects, particularly solar installations. They helped Toyota procure and install three rooftop photovoltaic (PV) systems: a 536 kW system at Toyota’s headquarters in Torrance, California, a 2.3 MW system at Toyota’s North American Parts Center in Ontario, California, and a 1.5 MW system at Toyota’s facilities in West Caldwell, NJ. RTE also led the procurement effort for 1 MW of solar photovoltaics to be installed on the Los Angeles Unified School District’s Pico Rivera Warehouse. These are just a few of the projects that RTE has facilitated.

RTE is a full-service technical consulting firm that focuses on clean energy, sustainability, and energy efficiency. They assist project developers, financiers, technology manufacturers, governmental organizations, and consumers and generators of sustainable energy, particularly renewable power. Since RTE was founded in 2000, they have been supporting clients interested in acquiring on-site renewable energy systems, purchasing green electricity and renewable energy credits (RECs), establishing programs to support renewable energy growth, developing renewable energy projects, expanding and improving their renewable energy businesses, and investing in renewable energy projects and businesses. The great value that RTE provides comes not only from evaluating technologies and projects, but also from their market expertise and the continual acquisition of market intelligence. Their diversified team is well equipped to handle the challenges that their clients face.
**Founded:** 2004

**Location:** Montgomery County

**Employees:** 86 employees and currently hiring for 11 open positions

**Principal/s:** Tony Clifford, Chief Executive Officer; Scott Wiater, President; Song H. Yi, Chief Financial Officer; Rick Berube, PMP, Vice President, Operations; Mike Sloan, Vice President, Commercial; Stuart Soberman, General Counsel

**Website:** [www.standardsolar.com](http://www.standardsolar.com)

**Mission:** To be the clear cut partner of choice for residential and commercial customers in their search for solar electric solutions; exceeding the highest of standards in all aspects of system attainment from design to installation to operational maintenance. To install the most energy efficient and effective system for each client; focusing on the specific needs and requirements of each individual customer and providing the utmost in customer service, knowledge, experience, and technology.

**Why go solar?** Solar electric systems allow you to: save money on your utility bill by offsetting your electrical demand with clean energy, reduce your carbon footprint and your dependence on fossil fuel, protect yourself from utility rate increases and increase the real estate value of your home/building.

**Installs:** Over 1,500 residential & commercial installations since 2004

Standard Solar, Inc. is a leader in the full-service development, construction, integration, financing and installation of solar electric systems. Dedicated to making solar solutions more accessible to consumers, businesses, institutions and governments, the company is leading the way to energy independence. Since 2004, Standard Solar has been the partner of choice to make solar energy financially accessible, helping customers through financing options, including Power Purchase Agreements (PPAs) and navigating expanded federal and state and local tax credits. The company’s Standard Energy Solutions (SES) division provides energy auditing and retrofitting services for energy improvement projects. Named one of the Fastest Growing Private Companies in America in 2010 and 2011 by Inc. magazine, Standard Solar is headquartered in Rockville, MD.
**Founded:** 1981

**Location:** Prince George’s County

**Employees:** 100+

**Principal/s:**
Steve Kelly Sr., Terry Crouse, Steve Kelly Jr.

**Website:** [www.kellycos.com](http://www.kellycos.com)

**Mission:** John E. KELLY & Sons Electrical Construction, Inc. is a family-owned, medium-sized electrical contracting firm. We have a very simple business philosophy: we strive to give the best service, we are honest in our business dealings, and we stand behind our work. It is our aim to provide the highest level of customer satisfaction while maintaining a competitive pricing structure.

**Why go solar?** Save money, create jobs, and most importantly help the environment.

**Installs:** Over the past two years we have been involved in the installation over 20 PV solar systems totaling 4.4 Megawatts.

Kelly Electric helped power the 2009 Solar Decathlon, has been involved in building two PV systems for the NAVY, four systems for NIST in Gaithersburg, electrical installation of a 1.8 MW system at McCormick Spice factory in Baltimore, and helped install our own 150kw system on our Headquarters building that was one of the first power purchase agreements in MD.

Kelly Electric is made up of 4 teams that include our High Voltage, Construction, Service, and Energy Solutions Departments. We have worked successfully in this region over the past 30 years and hope to see more clean energy jobs developed to support many resident employees and help strengthen the economy.
**Founded:** 1988

**Location:** Queen Anne’s County

**Employees:** 20

**Principal/s:** Chuck Lansinger, President

**Website:** [www.chuckselectricalservice.com](http://www.chuckselectricalservice.com)

**Mission:** To continue to provide excellent service and quality that your home or business deserves.

**Why go solar?** Guaranteed to save you money.

**Installs:** 3 in the past year

We cover solar panel installation as well as repair and maintenance. We offer free analysis of your potential energy savings at any time!

At Chuck’s Electrical Service, we don’t just talk about solar – we’re solar customers ourselves. Our office building and our company president’s home are both outfitted to be completely solar powered.
Founded 2006

Location: Wicomico County

Employees: 2

Principal/s: Ray Emmons

Website: www.easternshoresolar.com

Mission: To provide solar hot water products and manufacture innovative, easy-to-install solutions to meet residential and commercial needs.

Why go solar? Solar water heating is great for families. Hot water is the number two energy consumer in your home. For an average family, hot water can be up to 50% of a family’s energy bill each month. Just two low profile solar collectors on the south side of your roof will heat enough water to meet almost all of the needs of a typical family of 4. The cost of electricity on the Eastern Shore has grown by up to 50% in the last two years and is expected to continue to rise, and gas prices will likely rise overtime as well. We can help families reduce their energy costs by $500 - $1500 for the next 30-plus years. That is something we can feel good about.

Installs: Equipment provider and design consultant to a variety of solar water heating systems throughout the mid-Atlantic.
Founded: 2004

Located: Wicomico County

Employees: One

Principal/s: Seth Underwood, President

Website: www.underwoodcontracting.com

Mission: Underwood Contracting Services is one of the leading providers of licensed and insured home improvement and landscaping services in Salisbury, Maryland and all over Delmarva. Founded on Seth Underwood's vision, the company offers quality craftsmanship and innovative design to both private and public sectors.

Serving Maryland, Delaware and Virginia's Delmarva Peninsula, Underwood Contracting Services provides a broad array of services to simplify the process for homeowners and businesses to complete construction projects. Underwood Contracting Services guarantees a friendly and professional relationship both during and after the clients' projects.

Why go solar? With the increasing cost of conventional energy and decreasing cost of solar energy, it doesn't make sense to pay more for a polluting energy vs. one that can sustain our society and not endanger the future.

Installs: 2 installs to date (just introduced solar aspect of business in 2011)

Underwood Contracting Services encapsulates a high standard of excellence and professionalism. Every outdoor project and home improvement need is built on integrity and thoughtfulness. Meeting the customer's needs and providing exceptional service is the groundwork of the business.

Projects are meticulously planned to ensure the highest level of attention to detail and customer satisfaction. With a trusted team of craftsmen, Underwood Contracting Services guarantees that every project is efficiently completed. We are confident that there is no other service in the market that can attain the same level of professionalism while delivering a flawless finished product.
Solar Systems Benefiting Maryland Residents and Business Owners
Project: M.C. Dean, Inc., Baltimore Office
Location: Baltimore City
Installation Date: 2011
System Details: 66.512 kW
Electricity Provided Annually: Expected to produce 76,964 kWh per year
Installer: Pfister Energy

Owner: Washington Gas Energy Services
Location: Baltimore City
Installation Date: 2011
System Details: 700 KW 3,000 solar panels on 3 rooftop arrays at 4810, 4814, and 4815 Seton Dr; one ground-mount facility
Percentage Electricity Provided Annually: 60%
Installer: BITHENERGY

Owner: Baltimore Gas and Electric
Location: Baltimore
Installation Date: 2011
System Details: 154 kW system, 572 solar panels
Installer: Standard Solar
**Project:** UMBC Solar Array  
**Location:** Baltimore  
**Installation Date:** 2011  
**System Details:** 8.97 kW  
**Installer:** Kenergy Solar

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**Owner:** Mr. & Mrs. Crocetti  
**Location:** Baltimore County  
**Installation Date:** 2011  
**System Details:** 39 - 235 watt PV panels and a 2 collector hot water system.  
**Percentage Electricity Provided Annually:** 60-70%  
**Installer:** American Design and Build

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**Owner:** Belisimos Restaurant  
**Location:** Carroll County  
**Installation Date:** 2011  
**System Details:** 3,740 square feet of solar panels!  
**Installer:** Solar Energy World
**System Owner:** Located at Kelly Electric Headquarters. Owned by Washington Gas.

**Location:** Prince George’s County

**Installation Date:** 2009

**System Details:** 150KW Rooftop system

**Percentage Electricity Provided Annually:** 60%

**Installer:** Standard Solar

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**System Owner:** James Thomas

**Location:** Prince George’s County

**Installation Date:** 2011

**System Details:** 5.5 kW PV System (22 Perlight 250 W Panels, Single SMA 5000 string inverter)

**Estimated Annual Savings:** $890

**Percentage Electricity Provided Annually:** Approx. 50-60%

**Installer:** Solar Energy Services

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**Owner:** Peter's Residence

**Location:** Prince George’s County

**System Details:** 30 Lumos 250W Panels, 2 solar edge 3800 inverters, 7.5kW Groundmount

**Installer:** Kenergy Solar
Owners: Kevin and Beverly Tokarski  
Location: Queen Anne’s County  
Installation Date: 2010  
System Details: 7.8 kW  
Installer: Solar Energy Services

Owner: Charles Mylander  
Location: Queen Anne’s County  
System Details: 120 gallon solar tank in basement, 64 Square Feet of solar thermal collector – ground mounted  
Installation Date: Late 2010-Early 2011  
Installer: Solar Energy Services

Owner: Robert Bridenstine  
Location: Queen Anne’s County  
Installation Date: 2011  
System Details: 80 Square Feet of solar thermal collector – roof mounted, 120 gallon solar tank in basement  
Installer: Solar Energy Services
Owner: Dr. Tom Walsh  
Location: Queen Anne’s County  
System Details: 5 panels for 200SF of collectors. Domestic water heating, space Heating, and solar pool heating.  
Installer: Solar Energy Services

Owner: The Lansinger Family  
Location: Queen Anne’s County  
Installation Date: 2011  
System Details: (12) 235W solar panels, Sunny Boy WebBox  
Percentage Electricity Provided Annually: Approx. 35%  
Estimated Savings: Over $100 a month  
Installer: Chuck’s Electrical Service

Owner: George Washington Carver Elementary  
Location: St. Mary’s County  
Installation Date: 2011  
System Details: 510.3 kW, 1,274 ground mounted and 840 roof-mounted PV modules  
Installer: Standard Solar