

ONE WORLD SUSTAINABLE

Technology for sustainable living.

Thank you for your interest in solar for your home or business...



ABOUT ONEWORLD

Since 2002, OneWorld Sustainable has been working with builders, architects, and home and business owners throughout the Southeast and is considered a forerunner among renewable energy consultants and turn-key integrators. Offerings include design and installation of residential, commercial, and industrial solar energy systems as well as energy efficiency audits and building upgrades. OneWorld is responsible for the development of the Georgia Solar Schools Program - an educational initiative designed to encourage student interest in environmental and social sustainability issues. Our international initiative includes a variety of projects in Kenya, Sudan, Uganda, and Tanzania.



OUR WORK IN PV

OneWorld specializes in grid-tied solar energy systems. We've installed hundreds of residential and commercial systems throughout the SE Region. Our clients use OneWorld grid-tied systems to offset the amount of electrical power they require from their utility during the day - when PV is operating at its highest potential.



BENEFITS OF USING SOLAR ENERGY

PV systems produce no emissions

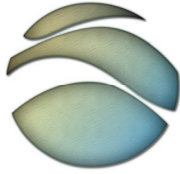
PV can provide critical back-up power during outages

Systems can be designed to fit any budget or electrical need

In addition to the benefits listed above, the Emergency Economic Stabilization Act of 2008 provides some great incentives to go solar. Among the new incentives included in the Federal Investment Tax Credit (FITC) are:

- An elimination of the \$2,000 cap on residential PV installations.
- Home and business owners can write off 30% of their investment in solar (with no cap).
- If you are an AMT (Alternative Minimum Tax) filer, you can apply this FITC against your AMT burden.

At the State level, public policy and utility involvement in promoting energy efficiency and alternative energy can vary significantly. The Database of State Incentives for Renewable Energy (DSIRE) is an excellent resource for explaining available incentives at both the Federal and State levels. Please visit www.dsireusa.org for more information. Finally, many public and municipal utilities have raised their rates and will continue to do so. Installing solar provides you with a hedge against rising utility rates and will add to the value of your property.



RULES OF THUMB FOR PV SYSTEM DESIGN

- PV system cost is estimated by dollars per watt installed (“installed” meaning all equipment, permitting, and labor necessary for complete installation). Cost for most of our roof-mounted, grid-tied installations is between \$6 - \$8/watt.
- Typical grid-tied residential installations fall in the 4kW to 8kW size range; Commercial installations from 15kW to 25kW and beyond. Industrial systems range in between 50kW - 250kW.
- 100 sq. ft. of roof space (preferably flat or south-facing) is required per kW of PV system size (5kW = 500sq. ft. of roof space; 25kW = 2500sq.ft.)
- PV systems are modular and can be increased in size over time as your budget allows.

APPROXIMATE ANNUAL PV SYSTEM ENERGY PRODUCTION

PV systems produce approximately 1350kwh AC per 1kW of solar annually. So, if your residential PV system is rated at 5kW, you can expect to generate approximately 6700kwh AC per year. A small 25kW commercial system will produce around 34,000kwh per year.

WARRANTIES

OneWorld PV system modules carry 25yr warranties; inverters, 10. Installation is guaranteed for 1 year from date of system commissioning.

MAINTENANCE

Optimum system efficiency is maintained by keeping modules clean and free of debris, keeping wire connections and terminals clean and corrosion free, and making sure the panels remain clear of shading from trees and other surroundings. OneWorld returns to each site on a semi-annual or annual basis for inspection and maintenance. Fees are contingent upon system size and mounting scenario.

Again, thank you for your interest in solar for your home or business. We hope you found the information presented here helpful. If you find that you have questions as you go forward please don't hesitate to email or call.

The OneWorld Sustainable Team

Please visit us on the web at: www.oneworldsustainable.com