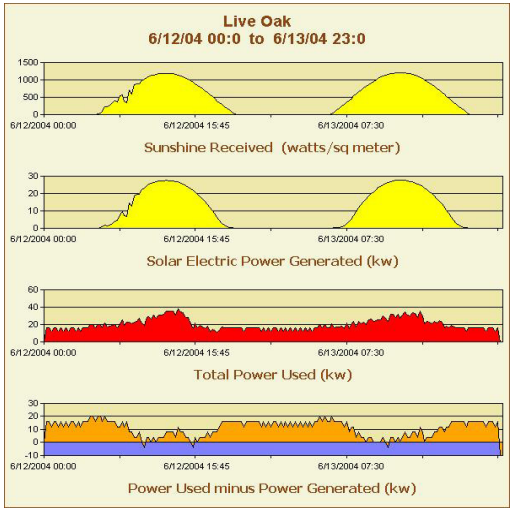
Monitoring System

The ElectroScope™ monitoring system prepares real-time graphs viewable from any web browser and also provides climate data.



- ▲ ***MONITOR*** solar irradiance, power generated, power used, power purchased in dollars, kWh, carbon dioxide saved, barrels of oil equivalent.
- ▲ ***ACCESS*** your data in real time from any web browser. Graphs can be put on your own website. Raw data can be down-loaded for your own analysis.
- ▲ ***EDUCATE*** about how much energy you are using. See the peak usage times and relate that to energy produced by the solar panels.
- ▲ ***VERIFY*** the energy produced from the sun and how much money it saves.
- ▲ ***MAINTAIN*** your system with quick alerts that identify problems. Troubleshoot from a web browser.
- ▲ ***BUILD*** public awareness with data that confirms your environmental commitment.

ElectroRoof™

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ElectroRoof™

THE INTEGRATED COMMERCIAL SOLAR PACKAGE

PHOTOVOLTAICS
+
QUALITY INSULATED ROOFING
+
RESOURCE MONITOR

National Network of Roofers

Our network of roofing contractors works with solar installers to provide a robust and economical commercial solar package made up of 3 components:

- A spray-on polyurethane foam (SPF) roof
- A photovoltaic (PV) system
- An energy monitor

Until now, commercial rooftops provided no revenue stream and indeed incurred costly repairs and periodic replacements. ElectroRoof™ "electrifies" these roofs with PV arrays and adds a high-quality, thermally insulating, long-term roofing system. ElectroRoof can guarantee both the roof and PV array for 20 years. ElectroRoof also provides electrical metering for billing, maintenance, and educational purposes.

Spray-on Polyurethane Foam Roofing

We install cool, solar-reflective roofing with a layer of foam offering significant insulation. This seamless waterproof product can be installed as a reroofing or new construction roofing system and will usually last

the life of the building. It is lightweight and significantly reduces HVAC expenses over conventional roofing products.

- ***HIGH INSULATION VALUE*** The foam component adds an R-value of 7 per inch of foam thickness.
- ***REFLECTIVE*** The coating component is bright white so it reflects the sun's heat instead of absorbing it.
- ***SUSTAINABLE*** Design life of system is over 30 years before a recoat. Full warranty period is 20 years.
- ***GREEN BUILDING MATERIAL*** The energy savings from an insulated roof can yield 100% payback in as few as five years.
- ***SEAMLESS*** SPF has no joints or seams (or the heat and water leaks associated with them).
- ***ECONOMICAL*** An SPF roof is cost effective when compared to traditional insulated roofing methods.

Photovoltaic Array

Using PV makes it possible to tap into a limitless, pollution-free energy source and protects you from electric price spikes, brownouts,

and peak pricing. Either crystalline or thin film panels can be used. The thin film panels are recommended if roof weight load is a limiting factor.

- ***ELECTRICITY*** Photovoltaic (PV) panels convert the sun's energy to electricity.
- ***RELIABLE*** Solar panels are rugged and have a life expectancy of over 25 years. Guaranteed for 20 years.
- ***NO LEAKS*** There is no roof penetration. The panels can be mounted directly on the roof or racks are mounted on brackets which are foamed in place.
- ***ENVIRONMENTAL BENEFITS*** The panels are a renewable energy source that produces electricity with no by-products or waste.
- ***POWER INDEPENDENCE*** Using PV protects your company from brownouts, price spikes, and rate increases.