Solar Electricity

For Commercial Applications

Photovoltaics

Reliable and dependable power for the biggest buildings. Aesthetic power for the most beautiful buildings. Environmentally safe power for everyone.

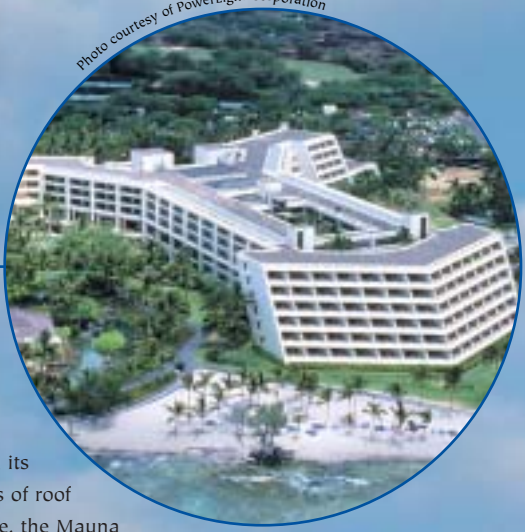

Photo courtesy of PowerLight Corporation

With its acres of roof space, the Mauna Lani Bay Hotel in **HAWAII** is the perfect host for a building-integrated photovoltaic system. Nearly 10,000 square feet of insulating photovoltaic roof tiles generate about 100 kilowatts of electricity, saving the hotel enough in utility bills to pay for the system in five years.

21st century technology turns sunlight into power.

Photo courtesy of Kiss & Cathcard, Architects

This **NEW YORK** office building constructed in the 1990s features a photovoltaic skin, a solar electricity-generating system that uses thin-film photovoltaic panels to replace traditional glass cladding material. The photovoltaic curtain wall extends along sections of the 35th to the 48th floors of the south and east walls making it a highly visible part of the city's skyline.

Solar Electricity

The Right Choice for Business

"Since the early 1980s, Applebee's has been building friendly neighborhood restaurants that are enjoyed by hundreds of communities throughout the United States. As we plan for our common future, we recognize the importance of protecting our environment and are very proud to be a leader in integrating green solar energy technologies into our restaurants."

— Abe J. Gustin, Jr.
Chairman and Co-CEO, Applebee's International

Photo courtesy of sueclitesphotography.com

This flat-roof photovoltaic system installed on the canopy on this service station in **GEORGIA** generates enough energy to power pumping equipment and lighting under the canopy. BP Solar is using solar power on all of its new gas stations and retrofitting existing stations. The first 200 were completed in 2000.

Photo by Marc Lamkin

Applebee's Restaurant in hurricane-prone **NORTH CAROLINA** incorporates a roof-integrated photovoltaic system that reduces peak energy demand and associated utility costs.

Photo by Jack Weinberg

Besides saving energy, the photovoltaic system at this **MASSACHUSETTS** elementary school provides an excellent teaching tool.

Photovoltaics

Clean Energy.

Commercial photovoltaic systems produce clean energy that can help to improve air quality. By incorporating a non-polluting photovoltaic system into your building and offsetting the generation of electricity from fossil fuel sources, you and your company can honor and maintain the environmental integrity of our planet. To reduce capital costs, the system may qualify for a 10% federal investment tax credit.

Versatile.

Photovoltaics, or PV, can be sized for any need and installed almost anywhere.

Reliable.

Photovoltaics have no moving parts and are virtually maintenance free. Most manufacturers offer 20- to 25-year warranties on modules.

Dependable.

During power outages, photovoltaic systems can provide power for lights, refrigeration, cash registers, security systems and computers.

Attractive.

Today's technology integrates with your building design and architecture. Architectural photovoltaic modules are available as framed glass, flexible roof shingles, raised seam metal roofing panels and composite roof slates.

Photo by Rich Patterson

The Indian Creek Nature Center in **IOWA** annually hosts about 50,000 visitors who come to watch 50 to 75 gallons of maple syrup being made in this Vermont-style maple sugar house with energy generated from a 940-watt, grid-connected rooftop photovoltaic system.

For more information:

Visit the Department of Energy's Energy Efficiency and Renewable Energy website at: **www.eren.doe.gov**

Call or email the Energy Efficiency and Renewable Energy Clearinghouse at:

1.800.363.3732

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