



QUICK LINKS

[Pfister Energy
Aerovironment
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ABOUT PFISTER ENERGY

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-

May/June 2009

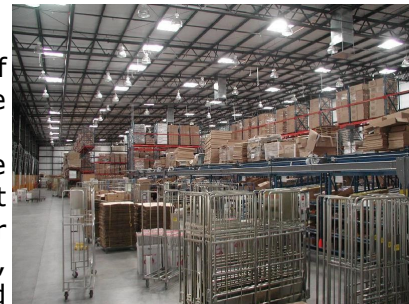
Check out Pfister Energy's **NEW** website

www.PfisterEnergy.com

HIGHLIGHT: Daylighting Technology

Daylighting Technology

Daylighting is the practice of using natural light to illuminate interior building spaces. Daylighting systems are engineered to capture sunlight and direct it into the interior space. Unlike skylights, daylighting systems diffuse and evenly distribute the light throughout the space.



Daylighting systems work together with a building's electric lighting fixtures. The system monitors the level of natural light, and turns on the lighting fixtures only as needed to maintain the desired lighting level.

Energy savings is achieved through the reduced use of artificial lighting. This can result in a savings of up to 80% in annual lighting costs. For many facilities, rebates and incentives bring the payback period to within 2 to 4 years.

Reduced energy usage also reduces the building's carbon footprint, offsetting the fossil fuels used in the production of the electricity used by lighting fixtures.

integrated applications. The company's "green solutions" presently encompass a host of complementary systems, including Solar Photovoltaics, BIPV, Natural Daylighting, Fuel Cells, Wind Turbines, Solar Lighting, 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.

Visit us everyday:
www.pfisterenergy.com

HAVE YOU HEARD?

Richard Ivins, P.E. has joined the Pfister Energy team as Project Manager and Engineer. Rick holds a BS in Computer Engineering from The College of New Jersey and a Masters in Electrical Engineering from Villanova University. He brings over 6 years of Electrical Engineering experience to his new position. We are pleased to welcome Rick to the Pfister Energy Team.

PFISTER ENERGY OF BALTIMORE

Pfister Energy of

The benefits of natural lighting to humans is well documented. Many studies have shown the physiological and psychological benefits of full spectrum light, such as increased productivity and performance.

Daylighting techniques can be adapted to meet the needs of almost any building, but are extremely effective in big box stores, warehouses, and distribution facilities.

Benefits of Daylighting:

- Lights can stay off for 8 hours a day on average, reducing electric bills
- No heat from lighting - saves on cooling costs
- Lamps last twice as long
- People are more efficient and productive in daylight
- Medical costs and workmen's compensation lower
- Increased retail sales
- Reduces greenhouse gasses
- Reduces airborne pollution



Pfister Energy of Baltimore in the News

Ready, Set, Launch

by Scott Dance

Baltimore Business Journal

May 2009

...For Bill Cole, it was easier to take the risk because he's partnering with an existing company - one that is also still his employer.

Cole started Pfister Energy in Baltimore in January. He had seen the attention given to growth and demand for solar energy during the past few years. He decided he could break into the business without



completed a 5.04 kW solar electric installation on Alpine Borough Hall in New Jersey. The project consisted of 24, 210 Watt Suntech Modules and 1, 5kW Fronius Inverter. Also included in the project is a kiosk, which is displayed in the lobby and tracks real-time information about energy production. We are pleased to have had a hand in making the Borough of Alpine a greener community and commend them for their initiative.



Energy Tips

Smart Power Strip

Smart2BGreen.com

Crawl under your desk, pull cords out, plug'em in,
It's a back-aching green way to live.

Save energy and cash with smart power strips,
They're a fantastic alternative!

If you've got a modern home office complete with computers, monitors, printers, scanners and fax machines, then you've got a mess of wires and electrical cords sucking up phantom power when you're not around. The same goes if you watch television and DVDs, have surround sound, or play video games. For major energy savings, check out SmartStrip Power Strips.

Instead of switching off surge protectors and unplugging all your appliances after use, you could be inserting many of them into the same strip. When those electronics are shut off, the SmartStrip will also cut power to devices that rely on the

main source of power, such as DVD players and VCRs that rely on your TV to work.

SmartStrip Power Strips have been endorsed by celebrities and can bring you up to 73% power savings. Several versions are available with cable, fax, phone and modem protection so your most vital communication devices won't shut down.

Cool It

Smart2BGreen.com

The weather may be hot, But wasting energy is not. Use fans instead of the AC, And cool your home naturally.

Be A Fan of Saving Energy

As the weather heats up, many Americans immediately dash to their thermostat to crank up the energy hungry air conditioner. Cooling your house-naturally or with the help of energy-efficient table, window, and ceiling fans saves energy and money, reduces greenhouse gas emissions, and increases the air quality in your home.

The standard human comfort level for light clothing during the summer is between 72F and 78F. An energy-efficient ceiling fan will allow you to raise your comfort range to 82F by producing a cooling breeze.

Use energy-efficient window fans at night or when the temperature of the incoming air is less than 77F. To utilize these fans properly, they should be placed on the downside of your home and be facing outward. Also a window should be open in each room and all interior doors should be open.

Oscillating table or house fans are a wonderful way to stay cool and also mimic Earth's soothing tropical breezes. Why not grab a frosty refreshment, put on your favorite Hawaiian shirt, and remind yourself why you have waited all winter long for the hot summer days to arrive?

Renewable Energy Industry Articles

US Senator Introduces Bill to Help Manufacturers Retool for Clean Energy Economy

June 18, 2009

RenewableEnergyWorld.com

The IMPACT Act, based on Apollo Alliance's GreenMAP, would create 2.5 million jobs and invest in domestic clean energy manufacturing.

U.S. Sen. Sherrod Brown (D-Ohio) was joined yesterday by Apollo Alliance Chairman Phil Angelides and other notable business, labor and clean energy leaders as he introduced the

"Investments for Manufacturing Progress and Clean Technology (IMPACT) Act of 2009," a bill that would put America's ailing manufacturing sector on the road to recovery by facilitating the development of domestic clean energy manufacturing and production.

The stimulus and other policies being considered in the energy bill - such as a Renewable Energy Standard or a carbon cap - will generate unprecedented demand for clean energy parts and systems. Yet, 70 percent of America's clean and efficient energy systems are currently produced abroad, including half of the country's existing wind turbines and all transformers for the electrical grid.

"Without a program to support our own domestic manufacturers, policies that create new demand for clean energy will just lead to more imports," said Angelides. "It is critical that Congress enact legislation that provides direct and substantial investment in clean energy component manufacturing to ensure that jobs are created in the U.S."

The IMPACT Act would provide resources for small- and medium-sized manufacturers through a 2-year, \$30 billion manufacturing revolving loan fund, which will provide much needed liquidity for domestic manufacturers to improve manufacturing processes and to retool and expand production of clean energy products. The Apollo Alliance estimates that, once enacted, the bill will create 680,000 direct manufacturing jobs and nearly 2 million indirect jobs over five years.

"We can revive American manufacturing through investment in clean energy," said Senator Brown. "This bill will help our manufacturers retool, put our auto suppliers back to work, and produce clean energy technologies."

Brown's legislation would also expand and focus Manufacturing Extension Partnerships (MEPs) on clean energy manufacturing. Under Brown's legislation, the Hollings Manufacturing Extension Partnership, a division of the Department of Commerce's National Institute of Standards and Technology, would receive \$1.5 billion in federal funds over five years to help manufacturers access clean energy markets and adopt innovative, energy-efficient manufacturing technologies.

"The only way to put our existing manufacturing sector to work, and to scale up to meet the new demand created by the cap and trade program, is to have a dedicated source of funding for investments in component manufacturing," said Angelides.

In April, Apollo Alliance released its Green Manufacturing Action Plan (GreenMAP), which detailed aggressive steps to scale up production of American-made clean energy systems and components while making U.S. factories more energy

efficient. Developed in collaboration with industry, labor, environmental groups, and academic experts, the Apollo GreenMAP called for direct federal funding for clean energy manufacturers to retool facilities and retrain workers to develop, produce and commercialize clean energy technologies.

[click for article](#)

Upcoming Pfister Events

November 4-5, 2009

World Energy Engineering Congress

Washington Convention Center

Washington, DC

[see event details](#)

November 10-13, 2009

Green Build 2009

Phoenix Convention Center

Phoenix, AZ

[see event details](#)

[Click to see all of Pfister Energy's Job Postings](#)

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