

Leadership



As part of the campus-wide plan to reduce engine heater electricity use, solar air Heater Boards™ were installed along fences to provide solar heated air to generator enclosures (above).



Before installation, the white walls of generator enclosures inefficiently reflected solar heat. Now, the flush panel solar siding heats air that is blown into the enclosure, and electric heating energy is reduced (l).



Roof-mounted solar air heating installations consist of 4" high corrugated collector fields serving inlets of outside air handlers, with PV panels powering morning and afternoon fans.

Research laboratory buildings at the National Institutes of Health (NIH) – an agency of the U.S. Department of Health and Human Services – require a great deal of fresh outdoor air to maintain proper indoor air quality. During winter months, a large amount of energy is used to heat that air. NIH has installed a solar air heating system that delivers heated air directly to the outdoor air intakes, which reduces the heating load and saves energy. Flat panel solar roofing, solar siding, and wall mounted solar air heater boards provide clean and green energy to buildings on the 300-acre medical research campus in Bethesda, Maryland.

National Institutes of Health
Bethesda, MD



YOU HAVE
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U.S. Department of Health and Human Services
Federal Energy Management Program

For more information on how you can get involved in the YOU HAVE the POWER campaign, visit the FEMP Web site at www.eere.energy.gov/femp.

