STORIES BEHIND THE BATTLE

Walsh & Associates, Inc. Warehouse

Walsh & Associates, Inc.
Saint Louis, Mo.

RECOGNITION:

#12 overall winner

#1 winner, warehouse category

20% energy use reduction

SAVINGS:

34% energy savings

$13,500 estimated cost savings

43 MtCO2e greenhouse gas emissions prevented

BUILDING STATS:

Type: Warehouse

Ending EUI: 23 kBtu/Sq. Ft.

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"The best and first thing to do is track one's energy usage with Portfolio Manager."

Solar shines in hot conditions

At Walsh & Associates' warehouse, the 100kW solar array had an outstanding production year due to the drought in the Midwest. It helped them to reduce electricity usage even during an extremely hot summer.

In addition to the solar array, LED outdoor lighting, a ventilation retrofit, and water misters on the HVAC units all played an important role in reducing the building's overall energy usage in 2012.

Did You Know?

Looking for a quick win in energy savings? Why not try your warehouses? Warehouses are one of the easiest buildings to make large energy savings in because small measures can mean a big difference. Heating and lighting are the two largest energy uses for warehouses, accounting for over 70% of total energy use on average. Heating and lighting improvements are your best strategies for lowering your operating costs and environmental impacts. Consider these strategies for your warehouse:

- Confirm that wall and roof insulation meets the recommendations for your climate zone to reduce wasted energy used to heat and cool the warehouse.
- Insulate loading docks to retain heat in the winter and cool air in the summer.
- Add seals around loading docks to minimize air infiltration when loading trucks.
- Segment areas of the warehouse with doors or partition walls that do not need temperature control to reduce heating and cooling costs.
- Replace electrical lighting with skylights and windows to provide natural light throughout the year.
- Use lighting control strategies such as occupancy sensing, scheduling, daylight dimming, timers, and demand response to minimize or control lighting when not needed.