

# PV LIGHTING CASE STUDY

## Pine Woods Group Campground

Kettle Moraine State Forest – Southern Unit  
Waukesha County, Wisconsin  
(near Eagle)

**Contact Person:** Larry Krom, Bureau of Facilities and Lands, Wisconsin DNR

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**System Supplier:** Advanced Composting Systems

**System Installer:** Advanced Composting Systems

**PV System Cost:** \$ 5,500

**Installation  
Date:** May 1998



### System Components:

<b>array</b>	BP Solar BP-75 (1 module)
<b>controller</b>	C-12 Trace Engineering
<b>batteries</b>	1.032 kWh Johnson Controls flooded cell (1 battery)
<b>loads</b>	Restroom lights: two 17 W fluorescent inside, two 5 W amber LED outside.



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### **General Comments:**

- PV system provides energy for lighting a restroom.
- Owned and maintained by the Wisconsin Department of Natural Resources.
- This project received a Federal Grant from the U.S. DOE.
- Occupancy sensor and PV module (photo sensing) actuated.
- The restroom is open seasonally from about May 1 to October 31.
- No down time since installation.
- Routine maintenance is performed by DNR personnel.