



2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Solar Electric Energy

Session 14-3

DATE:
Breakout Session 14-3:

Time:
Presenters:

THURSDAY, MARCH 26, 2009

10:00am - 11:45am
Solar PV @ Waukesha County Technical College: Process & Installation
Ray Walter & Douglas Kanaly & Michael Shiels

Learn about the new Solar PV system at WCTC. We'll step through the process of site assessment, grant writing, system engineering, installation, and commissioning of the four pole-mounted arrays system.

Pay as you go solar: Could new financing bring solar to all?
Carol Gruba, Full Spectrum Solar

Up front costs still keep many homeowners from installing solar electric systems. New funding options are emerging in the form of financing backed by government bonds in Berkeley, California and Boulder, Colorado and elsewhere. A handful of startup companies are using power purchase agreements to "rent" solar installations to homeowners. This talk presents a survey of the players in the arena of pay-as-you-go solar in the United States and explanation of how they work.

**See presenter
biographies
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Presenter Biographies:

Ray J. Walter

Ray J. Walter, Ph.D., Associate Dean of Electronics & Engineering Technologies at Waukesha County Technical College, has presented at numerous national and regional conferences on topics such as educational technology, teaching and learning, and outcomes assessment, in cities from Boston, Massachusetts, to Long Beach, California. Prior to Ray's role in administration, he was a teacher at the postsecondary level for fifteen years.

Douglas J. Kanaly

Douglas J. Kanaly, currently serving as Dean, Industrial and Engineering Technologies at Waukesha County Technical College. Additional experience includes Vice President of Instruction at Western Iowa Tech Community in Iowa and twelve years as an architectural technology instructor at the University of South Dakota. Throughout career in post secondary education has been instrumental in the development and implementation of programs and courses related to alternative energy and energy conservation.

Michael Shiels

Michael Shiels is the Associate Dean of Manufacturing Technologies at Waukesha County Technical College. Mike has been involved in production, management and education since 1986. Recently Mike has been a leader in regional initiatives to develop and deliver short term training programs for "Green Collar Jobs" in welding and other manufacturing areas.

Carol Gruba

Carol Gruba is the Office Manager for Full Spectrum Solar in Madison, WI. In her day-to-day work she fields questions regarding solar energy. Carol has completed Midwest Renewable Energy Association's solar assessor's classroom training in the areas of solar electric and solar thermal. Carol is an active member of Toastmasters and enjoys delivering talks to groups. Carol Gruba formerly worked as an educational and outreach coordinator for the Mount Horeb Public Library where she developed original content on a diverse range of topics for classes and presentations.