



# WISCONSIN SOLAR EDUCATOR ACADEMY



# FUNDING

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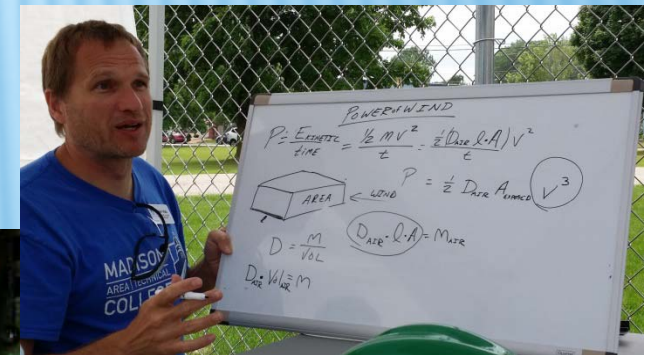
- × National Science Foundation
- × WIDRC
  - + Funds were used to buy equipment for the small, classroom sized, hands-on activities





# INSTRUCTORS

- ✦ Cris Folk, Madison College
- ✦ Scott Liddicoat, Green Bay High School
- ✦ Joel Shoemaker, Madison College
- ✦ Ken Walz, Madison College



# PARTICIPANTS

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- × 14 Teachers - science, technology and math
- × 13 High school, 1 middle school
- × 13 from Wisconsin, 1 from Kentucky







# ACADEMY AGENDA

- × Three days
- × Installed a full-size, working PV system
- × Small group workshops
  - + Solar pathfinder
  - + Generating an IV curve
  - + PV Watts
  - + Small, battery based system
- × Reviewed curriculum available
- × Discussed implementation in classroom





# REVIEWS

- ✦ Expect to teach 1,845 HS students and 357 MS students
- ✦ 100% would recommend training to colleague

“I liked the training and it gave us a chance to see and learn more about post-high school options to share with our students.”



## REVIEWS CONT'D

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- × “This was a fantastic learning experience for me. I came in with a very basic knowledge of electricity and how electronics work, but I had a lot of my questions answered without being made to feel embarrassed.... I plan to use my science classroom budget to purchase some PV equipment.”



## REVIEWS CONT'D

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- × “Was a wonderful experience that will benefit my students. I plan to purchase solar equipment for use in my classroom this coming year.”
- × “Really appreciate this opportunity and the material and example activities and commissioning was a great additional experience that I will use in my class.”

# PUBLICITY

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- × [Wisconsin State Journal story on Academy](#)
- × [Channel 15 \(NBC\) evening news story on Academy](#)



# FUTURE PLANS

- ✦ Second Annual Wisconsin Solar Educator Academy!
- ✦ July 2016
- ✦ 24 HS teachers
- ✦ Provide equipment to take back to the classroom



# EXPENSES PAID FROM WIDRC GRANT

- × Small battery based trainers
  - + Batteries
  - + Load centers
  - + 12v light bulbs
  - + DC circuit breakers
  - + 30w PV modules
  - + Charge controllers

Canopies

Food

Halogen lamps

MC4 Connectors