

PAG Presentation

Presented By: Posada San Pedro Solar Powered
(PSPSP)

Tuesday, January 26th, 2010

...about

Posada San Pedro Solar Powered



- University of Arizona club
- Established in Fall 2008 by students living in Posada San Pedro residence hall
- Composed of environmentally conscious students

The Beginning

- Group Mission
 - 1) To have our residence hall, PSP, be the first to have PV panels
 - 2) To outreach to our University and Tucson community to educate on alternative energies, focusing on solar

Progress through Partnership

- In Fall of 2009, partnered with another student group, the Solar Dorm Initiative (SDI)
- SDI: focus on solar hot water heating for residence halls
- Partnership inspired by investment in new technology through Sun Drum Solar Inc.
- Cogeneration system combined both group missions

Project Goals

- Installation of cogeneration system that combines photovoltaic panels and solar hot water heating.
- Increase student involvement in sustainable projects, research prospects, and learning opportunities
- Monitoring system to track data
- Save money on energy bills

Expanding Results

- For cost and system efficiency, cogeneration system to go on Villa Del Puente (VDP), neighbor to PSP, instead
- PPSPP planning to still put PV on PSP
- Provides a unique hands-on lab to compare rate of efficiency of cogeneration system to typical PV system directly
- End result is two halls benefiting from solar instead of one

Additional Components of Project

- Future Goals
 - Tours: benefit all groups
 - Real Time Data Display
 - Cameras recording construction

Some Who Have Offered Support

- AzRISE
- SOLON
- Metropolitan Energy Commission (MEC)
- U.S. Department of Energy
- U of A President Shelton
- TEP
- Congresswoman Gabrielle Giffords

Groups Impacted

Students

- Research
- Education
- Living in clean energy buildings

University

- Reduced energy bills
- Long-term investment for establishment
- Shows sustainable progression for community

Groups Impacted (Cont'd)

- Provide unique learning opportunities to give students advantage in future

Tucson

- Further Tucson's image of being a sustainable center
- Education and resources available to greater Tucson
- More tightly links the youth of the University to the rest of the community, strengthening ties and by extension, our community

PSPSP Public Outreach

- Publications
 - UANews, UA Wildcat, AZ Starnet.com, Foxnews.com, CNN Green, Green Times
- Jr. Scientist's Day
- Solar Rock
- Earth Day
- Solar 101 Presentation
- Community Donations through IRS 501(c)(3)
- Club Website

Outreach



Thank You!

If you have any questions, we would be happy to answer them. Thank you for your time and for listening to what our project is all about.