



Tribal Solar Working Group

June 23 & 24, 2015

University Union, Kaibab Room
Northern Arizona University
Flagstaff, Arizona

June 23 - Meeting

9:00 – 9:15 am Welcome

Dr. Joseph Martin, Special Advisor to the President, NAU

9:15 – 10:15 am

Navajo Generating Station - NREL II Study

In 2013 the Technical Working Group (TWG)—stakeholders engaged in negotiations to continue operations of the Navajo Generating Station (NGS) post 2019—reached an agreement that commits the Department of Interior which tasked its Bureau of Reclamation (BoR) to assist NGS Affected Tribes to develop renewable energy resources and complete a study to evaluate low emitting energy alternatives associated with the federal shares in NGS. This presentation covers the Phase II Study coauthored by BoR and the National Renewable Energy Laboratory with brief background of the TWG as context.

Kevin Black, Energy Development Program Manager, U.S. Bureau of Reclamation - Phoenix Area Office

10:15 – 11:15 am

Moapa Band of Paiutes Solar Project

The Moapa Tribe has successfully built a commercial-scale solar project and is planning more projects. We will hear from the Tribe how they developed the projects and lessons learned.

Terry Bohl, Project Manager, Moapa Band of Paiutes

11:15 – 11:30 am - Break

11:30 am – 12:00 pm - EPA's Clean Power Plan

The Environmental Protection Agency is expected to publish a rule this summer requiring reductions of carbon dioxide emissions from power plants. We will review what is expected to be in the rule and possible implications for the states and tribes.

Amanda Ormond, Principal, Ormond Group LLC

12:00 – 1:30 pm

Lunch on Your Own

1:30 – 2:00 pm

Housing Best Practices – The Right Tools for the Times

To date we've focused primarily on aspects of solar generation, but reducing energy needed to heat, light and cool buildings is an essential part of the energy puzzle. We'll discuss some best practices for energy efficient buildings, including passive solar design.

Clifford Johns, Project Manager, Tsehootsooi Medical Center

2:00 – 4:00 pm

Sharing Experience

Arizona tribes have been working to assess the potential for solar development and developing projects from kilowatt to megawatt size. Working group members will share what they have learned and presenters from STAR School will share their experience over 15 years of powering a growing off-grid school—context for our tour on the 24th.

Bernice "Niecy" Tsosie, Government Liaison, Navajo Tribal Utility Authority (NTUA)

Derrick Terry, Renewable Energy Specialist, NTUA

Steve Arras, Construction Manager, STAR School

Thomas Walker, Vice President of the Board, STAR School

3:00 – 3:30 pm - Break

4:00 – 5:00 pm

Decision Path and Next Steps

We will close this meeting by working together to outline a decision path to building a generic tribal solar project. The path will include key decision steps and available resources at each step to help tribes move from concept to generating solar power. We'll close by asking participants to share what they have learned in this series of meetings, how the group could work together in the future and next steps for their tribes. This brainstorming session will gather ideas about how to continue to share and support progress to develop solar on tribal lands.



June 24 - Solar Tour

8:00 – 10:00 am
STAR School Tour

Tour participants will meet in Flagstaff to carpool out to the STAR School, located a half hour northeast of Flagstaff. The STAR School is a charter elementary school serving Native American students from preschool through eighth grade who live in a large rural area that includes Leupp, Tolani Lake, and parts of Flagstaff.

STAR is the first all off-grid, solar and wind powered, charter school in the U.S. The facility incorporates 56 kW of solar photovoltaic capacity assisted by 9 kW in wind generation to power the entire facility. Units were installed incrementally over the past 15 years.

Tour details will be provided upon registration.

To register, please RSVP to:
Shawn.Newell@nau.edu or 928-699-3441



The Tribal Solar Working Group was formed to bring together tribal and non-tribal professionals interested in the development of solar energy on tribal lands.

The Tribal Solar Working Group is a project of the Tribal Clean Energy Resource Center of the Institute for Tribal Environmental Professionals at Northern Arizona University.

<http://www4.nau.edu/itep/>

**NORTHERN
ARIZONA
UNIVERSITY**



FLAGSTAFF