



Tribal Solar Working Group Meeting and Solar Tour

January 21 & 22, 2015

2214 N. Central Ave, Phoenix, AZ 85004

Inter Tribal Council of Arizona

Agenda

January 21

9:00 – 10:00 am

Participant Introductions and Recap of First Meeting

We will review highlights of the first meeting and provide an opportunity for introductions by all attendees.

Ann Marie Chischilly, Executive Director, ITEP, NAU

Amanda Ormond, Principal, Ormond Group

10:00 – 11:00 am

Understanding SAM Solar Program Model

The SAM model is a decision tool to help evaluate solar projects. We will review types of information that need to be collected to populate the model to design a solar project and provide an opportunity to examine a tribal project.

Tom Acker, Professor Mechanical Engineering, Northern Arizona University

11:00 am – 12:15 pm

Case Studies of Solar Projects Developed by Arizona Tribes

We will review projects that have been planned and built by Arizona tribes. Speakers will share lessons learned.

Darrold Hobbs, Tohono O'odham Utility Authority (invited)

Ken Duncan, San Carlos Apache Tribal Utility

Roger Clark, Grand Canyon Trust

12:15 – 1:45 pm

Lunch on Your Own

Several area restaurants are within walking distance.

1:45 – 2:45 pm

Cost of Solar Systems for Residential and Commercial Projects

What are the development steps and costs of building a commercial-scale solar project? What is the current cost for residential solar? A solar project developer and a utility representative will discuss several of their projects.

First Solar, Moapa Band of Paiutes Solar Project (invited)

Jonathan Lopez, Arizona Public Service Company

2:45 – 3:45 pm

Site Control for Tribal Projects

Site control on tribal lands is a critical and complicated piece of project development. The BIA will discuss key decisions and steps to site control.

Tamera Dawes, Bureau of Indian Affairs

3:45 – 4:45 pm

Networking Roundtable

Learning from each other is a key component of the working group. We will provide one hour for attendees to talk informally with the day's speakers and other tribal members.



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.

January 22, 2015
Commercial-Scale Solar Plant Field Trip
Gila Bend, Arizona

Participants will have the opportunity to tour and learn about two types of photovoltaic solar facilities and a world-class solar thermal facility.

8:00 - 9:15 am

Leave Phoenix - Arrive Solana Plant in Gila Bend

We will coordinate carpools for the field trip.

9:15 – 10:15 am

Tour Solana Generating Station

The Solana Generating Station is a 280 megawatt solar thermal power plant located in Gila Bend, about 70 miles southwest of Phoenix. The plant was built by Abengoa Solar and started generating energy in 2013. The entire output of the plant is purchased by Arizona Public Service Company. When constructed it was the largest parabolic trough plant in the world. It is one of the only plants to have thermal storage of molten salt that allows for six hours of energy storage. The facility covers three square miles and can power 70,000 homes.

10:30 – 10:45 am

Travel to PV Site

10:45 – 11:45 am

PV Site Tour – Paloma and Gila Bend Solar Plants

The second stop of the tour will allow participants to learn about two types of photovoltaic installations. The 17 MW Paloma system contains 93,000 polycrystalline modules on a single-axis tracking system. The 32 MW Gila Bend Plant has more than 170,000 single-axis tracker polycrystalline modules generating enough solar energy to power 8,000 Arizona homes and businesses. Both solar PV plants are owned and operated by Arizona Public Service Company.

Noon

Tour Concludes

An RSVP is required to participate in this tour. Participants must provide an ID and ID number in advance to attend. Those registering will be provided with more information on the field trip. Space is limited.

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/>