

DOE OFFICE OF INDIAN ENERGY

Introduction to Developing and Financing Renewable Energy Projects on Tribal Lands



U.S. DEPARTMENT OF
ENERGY

Office of
Indian Energy

Review of Workshop Structure

- Introduction
- Five-Step Development Process
- “Office Hours” for detailed technical assistance/Q&A on your specific projects

Agenda Walk-Through; Use of the Workbook

- Step 1: Project Potential
- Step 2: Project Options
- Step 3: Project Refinement
- Step 4: Project Implementation
- Step 5: Operations & Maintenance (O&M)

Why Complete a Renewable Energy Project?

Economic

- Jobs
- Income
- Cost savings
- Cost stabilization
- Industry exposure

Social

- Energy reliability (diversification)
- Energy independence
- Quality of life
- Community and stakeholder participation
- Educational Benefits

Environment

- Air Quality
- Avoided Emissions
- Climate change
 - Mitigation
 - Adaptation
 - Resiliency
- Demonstrated Environmental Leadership

Benefits vary based on the type and scale of projects

Why Complete a Renewable Energy Project? cont.

- Considering long-term costs of finite resources will more than likely continue to increase, the opportunity to reinvest cost savings locally can be realized.
- Other examples of reinvestments (such as housing support)?*

* These will vary depending on project scale.

Terminology: Project Scale



Facility: single-building system

Primary goals: offset building energy use, costs
Development timeline: 1 month to 1 year



NC Solar Center, NREL 09373

Community: multiple buildings/campus

Primary goals: Offset community energy costs,
promote energy self-sufficiency
Development timeline: 6 months to 2 years



Orange County Convention Center, NREL 18077

Commercial: stand-alone project

Primary goals: sale of power generation,
financial benefits
Development timeline: 3 to 5 years



Tucson Electric Power, NREL 13327

Attendee Introductions

- What is your name, tribal affiliation, and role in your Tribe?
- What are the primary objectives you have for being here?
- Do you have any examples of a renewable energy project your Tribe has worked on or is considering?
- Are there challenges and/or successes you can share?