

DOE OFFICE OF INDIAN ENERGY

Introduction to Workshop



U.S. DEPARTMENT OF
ENERGY

Office of
Indian Energy

Introduction

The U.S. Department of Energy (DOE) Office of Indian Energy Policy and Programs is responsible for assisting Tribes with energy planning and development, infrastructure, energy costs, and electrification of Indian lands and homes.

As part of this commitment and on behalf of DOE, the Office of Indian Energy is leading *education* and *capacity building* efforts in Indian Country.

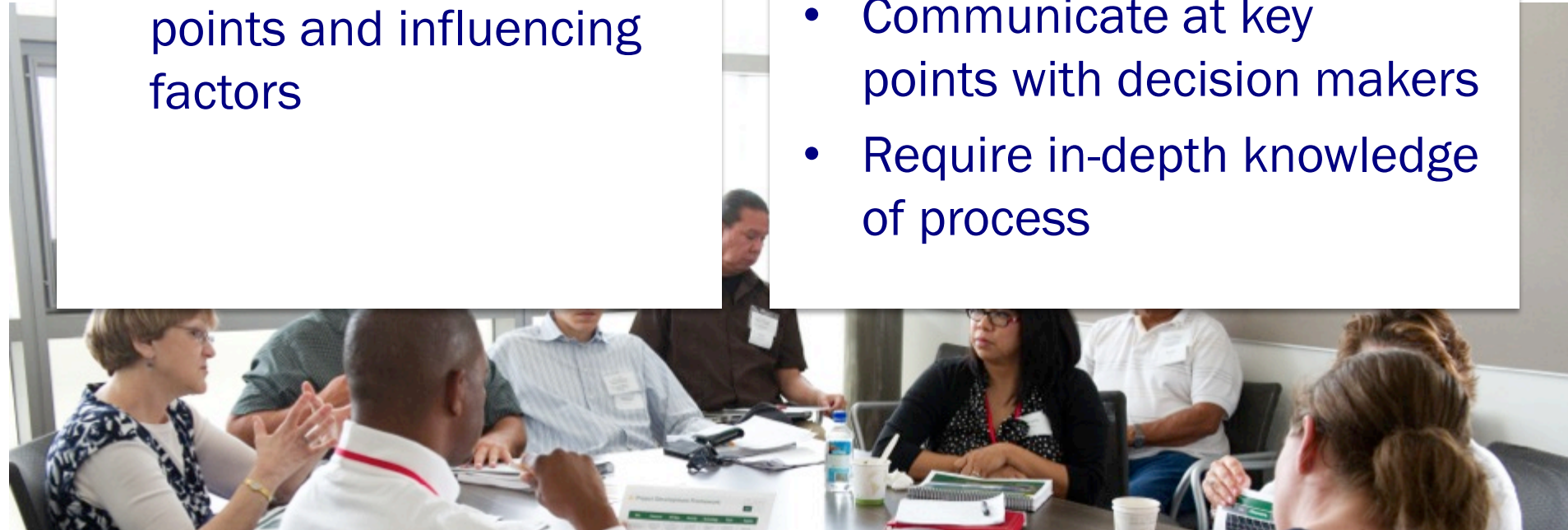
Course Audiences

Tribal Leaders

- Primary decision makers
- Understand terminology
- Understand key decision points and influencing factors

Staff/Project Management

- May be self-managing project or managing consultants
- Communicate at key points with decision makers
- Require in-depth knowledge of process



Overall Learning Objectives

- Understand the process and potential pitfalls of developing renewable energy projects.
- Determine how the development of a renewable energy project could further a Tribe's goals.



Why Complete a Renewable Energy Project?

Economic

- Jobs
- Income
- Cost Savings
- Cost Stabilization
- Tax Revenue
- Industry Exposure

Social

- Energy Reliability (Diversification)
- Energy Independence
- Quality of Life
- Community and Stakeholder Participation

Environment

- Climate Change
 - Mitigation
 - Adaptation
 - Resiliency
 - Air Quality

Benefits vary based on the type and scale of projects



Long term Outlook

- Long-term costs of finite resources will more than likely continue to increase
- The opportunity to reinvest cost savings locally can be realized.





Determining Project Scale: What is the Goal?

Goal Examples:

- Offset costs
- Become energy self-sufficient
- Generate revenue

Facility

- Savings opportunity
- Self-power opportunity
- Utility interconnection
- 6 months to 2 years to develop

Community

- Savings opportunity
- Self-power opportunity
- Utility interconnection
- 1 to 2 years to develop

Commercial

- Competing power price
- Off-taker options
- Transmission options
- 5 to 10 years to develop

Terminology: Project Scale



Facility

Definition: single building system

Primary purpose: offset building energy use



Community

Definition: multiple buildings, campus

Primary purpose: offset community energy costs, energy self-sufficiency



Commercial

Definition: stand-alone project

Primary purpose: *sale of power generation, financial benefits*

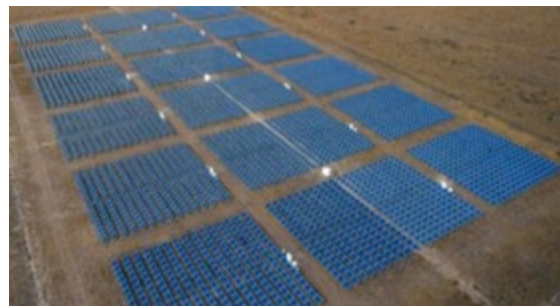


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