



2015 RENEWABLE ENERGY PROJECT DEVELOPMENT AND FINANCE WORKSHOP
ALASKAN NATIVE VILLAGES

Dillingham, AK

March 25-27

University of AK Bristol Bay Campus

Room 128/130

Learning Objectives

- 1) Understand the process for and potential pitfalls of developing and financing community and facility scale renewable energy projects
2) Determine how the development of a renewable energy project could further a Tribe's goals
3) Learn from the experience of other tribal efforts in renewable energy development.

Anticipated Results: Attendees will be comfortable discussing renewable energy project development possibilities with project developers and project financing options with potential investors. Potential tribal roles will be clear and participants will better understand the value of Strategic Energy Planning (SEP) and the five-step project development and financing process.

Day 1a: Wednesday, March 25
7:30-8:30 p.m.

Table with 2 columns: Time (7:30-8:30 p.m.) and Event (The Economic Relationship of Energy Efficiency and Renewable Energy). Includes details about Professor Tom Marsik and a bulleted list of topics.

Day 1: Thursday, March 26

Table with 2 columns: Time and Event. Lists activities from 8:30 a.m. to 4:30 p.m., including registration, welcome, DOE's role, panel discussion, break, and presentation.



**4:30–5:00pm**      **DOE and AEA: Givey Kochanowski and Jed Drolet**  
 DOE’s role, vision and offerings.  
 Benefits of community scale projects  
 Next steps and goals for SEP

### **Day 2: Friday, March 27**

**8:30–9:00 a.m.**      **Coffee and light breakfast, Review Day 1**

**9:00–9:15 a.m.**      **Review the Five-Step Project Development Process**

**9:15–10:15 a.m.**      **Step 1: Project Potential—Data Collection and Opportunity Assessment**

- Technology Choices
- Microgrid Capital—Alaska
- Tools
  - Resources
  - Siting
  - System Advisor Model (SAM)
  - Community Priorities
  - Technical Assistance

**10:15–10:30 a.m.**      **Break**

**10:30 a.m.–12:00 p.m.**      **Step 2: Project Options—Planning and Development**

- Levelized Cost of Energy (LCOE)
- Business Structures
- AEA Grants and Loans, Jed Drolet of AEA
- Tax-Equity Partnership, Paul Schwabe of NREL
- Tribal Roles
- Technical Assistance

**12:00–1 p.m.**      **Lunch on Your Own**

**1:00–2:00 p.m.**      **Step 3: Project Refinement—Planning and Development**

- Grants (USDA, Regional Corporation Partnerships, Incentives, Loans, ESPCs)
- Risk
- Diesel Efficiency
- Procurement with GSA, Givey Kochanowski

**2:00–3:00 p.m.**      **Step 4: Project Implementation—Financing and Construction**

- Cost Avoidance, Givey Kochanowski
- Public Financing—AEA
- Private Financing—NREL and Regional Corporations
- Procurement Packet—Sample Off Grid RFPs for Solar PV and Wind

**3:00–3:15 p.m.**      **Break –Coffee and snacks**

**3:15–4:15 p.m.**      **Step 5: Project Operations and Maintenance**

- Importance of a Good O&M Plan
- Wind, Solar PV and Biomass O&M
- Technical Assistance—START

**4:15–5:00 p.m.**      **Closing—Givey Kochanowski of DOE**

