



## 2015 RENEWABLE ENERGY PROJECT DEVELOPMENT AND FINANCE WORKSHOP ALASKAN NATIVE VILLAGES

### JUNEAU, AK

March 30–April 1 (Half-day Wednesday)  
University of Alaska Southeast  
Recreation Center Room 115 at 1233 Mendenhall Loop

#### 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 1: Monday, March 30

8:30–9:00 a.m.	Registration, coffee, and light breakfast
9:00–9:30 a.m.	<b>Welcome and Workshop Overview</b> U.S. Department of Energy (DOE) Office of Indian Energy DOE Office of Energy Efficiency and Renewable Energy Tribal Energy Program National Renewable Energy Laboratory (NREL)
9:30–10:15 a.m.	<b>DOE’s Role –Givey Kochanowski</b> <b>Attendee Introductions</b> –Workshop attendees share name, village, role in energy projects
10:15–11:15 a.m.	<b>PANEL: Alaska energy partners discuss energy status, goals and potential collaborations.</b> Energy: Robert Venables and Craig Moore of the Tlingit Haida Regional Housing Authority (THRHA) Water: NREL and Robert Venables Utility: Jodi Mitchell of Inside Electric Passage Coop
11:15–11:30 a.m.	Break
11:30 a.m.–12:00 p.m.	<b>Strategic Energy Planning (SEP) to strengthen your financial partnerships</b> Craig Moore of THRHA
12:00–1:00 p.m.	Lunch on your own
1:00–2:30 p.m.	<b>SEP Community Discussion</b> —Jed Drolet of AEA.
2:30–2:45 p.m.	Break
2:45–4:00 p.m.	<b>Presentation and Discussion: NREL</b> Project Options and Technology Summaries
4:00–5:00 p.m.	<b>DOE and AEA: Givey Kochanowski and Jed Drolet</b> DOE’s role, vision and offerings. Benefits of community scale projects Next steps and goals for SEP

[www.energy.gov/indianenergy](http://www.energy.gov/indianenergy)



## Day 2: Tuesday, March 31

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.	<b>Step 1: Project Potential</b> —Data Collection and Opportunity Assessment <ul style="list-style-type: none"> <li>• Technology Choices—Jed Drolet, Alaska Energy Authority (AEA), and Givey Kochanowski, DOE, on the cost of energy with renewables in Alaska</li> <li>• Microgrid Capital: Alaska</li> <li>• Tools</li> </ul>
10:15–10:30 a.m.	Break
10:30 a.m.–12:00 p.m.	<b>Step 2: Project Options</b> —Planning and Development—Paul Schwabe of NREL <ul style="list-style-type: none"> <li>• Levelized Cost of Energy (LCOE)</li> <li>• Business Structures</li> <li>• AEA Grants and Loans, Jed Drolet of AEA and Brian Hirsch of NREL</li> <li>• Tax-Equity Partnership</li> <li>• Tribal roles</li> <li>• Technical assistance, Sherry Stout of NREL</li> </ul>
12:00–1 p.m.	Lunch on your own
1:00–2:00 p.m.	<b>Step 3: Project Refinement</b> —Planning and Development <ul style="list-style-type: none"> <li>• Grants (USDA, Regional Corporation Partnerships, Incentives, Loans, ESPCs)</li> <li>• Finance, Paul Schwabe of NREL</li> <li>• Diesel Efficiency, Jed Drolet of AEA</li> <li>• Procurement with GSA—Givey Kochanowski</li> </ul>
2:00–3:00 p.m.	<b>Step 4: Project Implementation</b> —Financing and Construction <ul style="list-style-type: none"> <li>• Cost Avoidance, Givey Kochanowski</li> <li>• Public Financing, AEA</li> <li>• Private Financing—Paul Schwabe and Regional Corporations</li> <li>• Procurement Packet—Sample Off Grid RFPs for Solar PV and Wind—Amy Hollander of NREL</li> </ul>
3:00–3:15 p.m.	Break –Coffee and snacks
3:15–4:15 p.m.	<b>Step 5: Project Operations and Maintenance</b> <ul style="list-style-type: none"> <li>• Importance of a Good O&amp;M Plan, Amy Hollander of NREL</li> <li>• Wind, Solar PV and Biomass O&amp;M, Sherry Stout</li> <li>• Technical Assistance—START</li> </ul>
4:15–5:00 p.m.	Closing—Givey Kochanowski and Jed Drolet

## Day 3: Wednesday, April 1

**New Location: AVCP Regional Housing Authority**

**5446 Jenkins Drive, Juneau, AK 99801**

8:30–9:00 a.m.      Gather at new location: Tlingit Haida Regional Housing Authority



5446 Jenkins Drive, Juneau, AK 99801

9:00a.m.–12:00 p.m.

**Energy Audit: Performed by a local certified energy auditor:** Marquam George.

**Location:** Meet at the Housing Authority to transport to a residential home. Using a blower door, infrared camera and combustion analyzer, the auditor will demonstrate how to perform safety checks and save energy through air sealing, insulation, heating, ventilation, and air conditioning assessment, lighting and an appliance evaluation.

**OR**

**Technical Assistance—NREL team**

**Location:** Tlingit Haida Regional Housing Authority

NREL staff will offer customized technical assistance, signing you up for additional technical assistance on your next steps to help you move your energy efficiency and renewable energy projects to action.

12:00 p.m.

**Thank you for your attendance! Please turn in any evaluations to DOE or NREL staff.**

