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 23

8:30–9:00 a.m.  Registration, coffee and light breakfast
9:00–9:30 a.m.  Welcome and Workshop Overview
   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.  DOE’s Role – Givey Kochanowski
   Attendee Introductions – Workshop attendees share name, village, role in energy projects
10:15–11:15 a.m. PANEL: Alaska energy partners discuss energy status, goals and potential collaborations.
   Alaska Energy Authority (AEA) and/or local energy partners, Mark Stemp & Brent Latham of Association of Village Council Presidents (AVCP)
   Water Energy Nexus, Eric Hanssen of Alaska Native Tribal Health Consortium (ANTHC) and Sherry Stout of NREL
   Tiffany Zulkosky of Nuvista and AEA
11:15–11:30 a.m. Break
11:30–12:00 p.m. Strategic Energy Planning (SEP) to strengthen your financial partnerships
12:00–1:00 p.m. Lunch
1:00–2:30 p.m. SEP Community Discussion, Brent Latham of AVCP, Tiffany Zulkosky of Nuvista, Erik Hanssen of ANTHC and Jed Drolet of AEA
2:30–2:45 p.m. Break
2:45–4:00 p.m. Presentation and Discussion: NREL
   Project Options and Technology Summaries
4:00–5:00 p.m. DOE and AEA: Givey Kochanowski and Jed Drolet
   DOE’s role, vision and offerings.
   Benefits of community scale projects

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Next steps and goals for SEP

**Day 2: Tuesday, March 24**

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
- Jack Hebert—Cold Climate Housing Research Center

10:15–10:30 a.m. Break

10:30–12:00 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

12:00–1:00 p.m. Lunch

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

3:00–3:15pm Break — Coffee and snacks

3:15–4:15pm **Step 5: Project Operations and Maintenance**
- Importance of a Good O&M Plan
- Wind, Solar PV, and Biomass O&M
- Technical Assistance—START

4:15–5:00pm Closing — Givey Kochanowski, DOE
Day 3: Wednesday, March 25

New Location: AVCP Regional Housing Authority

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

9:00 a.m.–12:00 p.m. Energy Audit: Meet at AVCP Regional Housing Authority for Van Pool to 1004 Mallard

9:00–12:00 p.m. Technical Assistance—NREL Team
Location: AVCP Regional Housing Authority
NREL staff will offer customized technical assistance, and sign 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!! Please turn in any evaluations to DOE or NREL staff.