

Alaska State Energy Sector Partnership Update

This information is current as of December 31, 2011

Alaska's Apprenticeship and Training Coordinator (AATCA) is training apprentices and journeymen in energy efficiency construction trades skills.

Training FY 12 Quarter 2:

- Fairbanks Area Plumbers & Pipe Fitters Joint Apprenticeship Training Committee: HVAC Control Systems, Green Mechanical System Awareness, Direct Digital Controls.
- Alaska Electrical Apprenticeship Training Center: Building Automation and Alternative Energy Systems: Three wiremen apprentices assisted in the assembly of a portable photovoltaic system.

Upcoming activities: Alternative Energy classes in Fairbanks, Anchorage and possibly Juneau. The course is an introductory level class on wind, solar, and hydro electrical power generation, which covers the National Electrical code sections for each system type.

Alaska Energy Authority (AEA) - Power Plant Operator Training

- AEA continues to recruit power plant operators in rural Alaska for training at AVTEC to attain Advanced Power Plant and Hydro Plant certification.

Upcoming activities: continuation of training for the spring semester.

Alaska Works Partnership (AWP) - AWP is developing curriculum for Energy Efficiency for Commercial Construction Workers & Upgraded Weatherization Tech I Training.

- Weatherization Training: Lead Safe Renovator, Weatherization (Wx) Tech I w/ OSHA 10, Blower Door, (Building Performance Institute) BPI Recertification Building Analyst, BPI BA Witten and Filed Testing
- Upgrades for the Wx Tech I curriculum are near completion.

Upcoming activities:

Commercial Construction Energy Efficiency (CCEE) - AWP will coordinate with the AHFC Advisory Committee and the contractor developing the CCEE course during January and introduce lesson plans to AWP instructors for field testing the new course.

Alaska's Institute of Technology (AVTEC) training for Wind Technicians, as well as Industrial Electrician, Power Plant Operator (wind), Advanced Power Plant Operator (wind), and Hydro Plant Operator (wind). Current grant activities:

- Industrial Electricity class achieved full enrollment
- Created a new department: Energy & Building Technology which includes Industrial Electricity (IE), Power Plant Operator, Facility Maintenance and Construction, Plumbing and heating classes.
- Wind Technology instructor hired; working on organizing wind technology curriculum

- Utility feeder conduit installation for the wind turbine was completed. Some utility intertie equipment is in transit.

Upcoming activities:

- Wind Technology instructor will schedule training with Northern Power (wind turbine manufacturer)
- Utility intertie equipment expected to arrive; installation may be hampered by weather
- AVTEC is waiting on the City of Seward electrical utility to finalize their requirements for the final engineering review/report that is required for utility connections of 25kW or larger

The Alaska State Energy Sector (ASESP)

One application was received for the December 12, 2011 submission deadline. Questions were sent to the applicant to clarify several items in the application before recommending for funding. The amount of funding requested is \$299,950.