

Alaska Energy Efficiency Partnership Meeting Notes
January 11, 2021 10:00am– 12:00pm

Teleconference info: <https://global.gotomeeting.com/join/531440485>

United States: (571) 317-3122 **Access Code:** 531-440-485

Mission Statement: *To improve the coordination of efforts promoting the adoption of greater end-use energy efficiency measures and energy conservation behaviors in Alaska through information sharing and integrated planning so that Alaska may become the most energy efficient state in the nation.*

Attendees:

Taylor Asher, AEA	Rob Jordan, REAP
Rebecca Garrett, AEA	Tyler Boyes, AHFC
Mike Spencer, AHFC	Erin Whitney, ACEP
Shawn Holdridge, Cook Inlet Housing Authority	Ingemar Mathiasson, NWAB
Leah Lansdowne, Deerstone Consulting	Jeremy Spargur, FNSB
Scott Waterman	Griffin Hagle, TNHA
Laura Vaught, SWAMC	Tom Wolf, Denali Commission
Tyler Katzmar, REAP	Tyler Kornelis, KANA
Clay Good, REAP and Sustainable SE Partnership	Alan Mitchell, Analysis North
Carolyn Ramsay, AHFC	Dustin Madden, ANTHC
Jake Borst, Prince William Sound Economic Development District	Jim Fowler, Energy Audits of Alaska
Jimmy Ord, AHFC	Jomo Stewart, Fairbanks Economic Development Corporation
Kristin Carpenter, Prince William Sound Economic Development District	Mark Houston, Alaska Center for Appropriate Technology
Colleen Fisk, REAP	Wendell Brucker, AHFC
Art Nash, UAF	Brandy Dixon, AEA
Christopher Hodgins, DOT	
Jamie Hanson, Information Insights	Chantelle Lewis-Boutte, Chugach Electric
Jeff Libby, UAA	Shaina Kilcoyne, Municipality of Anchorage
Bertha Prince, Nuvista	Robert Venables, SE Conference
Chris McConnell, REAP	Amber McDonough, Siemens
Greg Steigel, REAP	Shawb Holdridge, Cook Inlet Housing Authority
Chris Rose, REAP	Kent Banks, RurAL CAP

AGENDA: Rollcall, hosting Alaska Energy Efficiency Partnership moving forward-volunteers needed

Announcement: Rob Jordan has taken a new position at Renewable Energy Alaska Project (REAP) as their Micro-Grid Coordinator. He will be dearly missed at AEA, but we still get to work together. New contract for Rob: rjordan@realaska.org

Presentations:

1. Energy Transitions Initiative Partnership Program Overview – Erin Whitney (slides provided)

The cross-sector initiative will build on the framework developed by the DOE Office of Energy Efficiency and Renewable Energy's Energy Transitions Initiative (ETI), pooling the tools and technical assets of community-based organizations and DOE's national laboratories to advance energy transitions.

Intended to compound the impact of ETI's proven resilience framework, the ETI Partnership Project (ETIPP) will leverage NREL's 10+ years of work building [resilience in remote communities](#) worldwide, as well as the cross-cutting experience and expertise of:

- DOE Office of Strategic Programs (OOSP)
- DOE Solar Energy Technologies Office (SETO)
- DOE Water Power Technologies Office (WPTO)
- DOE Office of Electricity (OE)
- Pacific Northwest National Laboratory
- Lawrence Berkeley National Laboratory
- Sandia National Laboratories.

ETIPP will combine deep energy sector experience with specialized local expertise to address energy challenges, build capacity, and accelerate the sharing of best practices and innovations. NREL and team have selected and are finalizing contracts with the following community-based partners to work with communities on stakeholder and capacity development:

- Alaska Center for Energy and Power
- Coastal Studies Institute
- Hawaii Natural Energy Institute
- Island Institute
- Renewable Energy Alaska Project (REAP).

Focus on community resilience. Funded by USDOE. Working with REAP. Several from ACEP, UAA, and REAP + regional partners.

How can ETIPP benefit my community? Multi-year opportunity (est. 3 years)

Applications are due 2/15/21. <https://www.nrel.gov/state-local-tribal/etipp-technical-assistance.html>

Types of technical assistance:

Training programs, modeling and analysis +

Sample projects are referenced in the slides.

<https://www.facebook.com/AlaskaRuralEnergyPartnership>

2. Green Bank Update – Chris Rose

A Green Bank is an alternative financing tool to grants. It is a quasi-governmental financing institution. Uses some government funding to leverage private sector capital by using public funds to design loan programs that will fund renewable energy and energy efficiency projects.

REAP started advocating officials with a statewide location in mind, shifted to the Municipality of Anchorage, and now back at the statewide level – may possibly be housed at AIDEA. **You can read more and download REAP's whitepaper here:**

<https://alaskarenewableenergy.org/initiatives/green-financing/>

There is also Federal legislation. The clean energy accelerator would create a national green bank. It could provide up to a \$100 million for investment. It could provide funding for projects AND start-up capital for the green bank.

Encourage attendees to write letters to congressional delegation to show support for this opportunity.

3. Dot& Public Facilities – Chris Hodgin (slides available)

Division of Facilities Services. Mission: delivers, improves, and maintains safe and reliable facilities across Alaska.

<http://dot.alaska.gov/dfs/index.shtml>

1,900 State of Alaska facilities owned by the executive branches of state government.

Alaska Sustainable Energy Act

Provide comprehensive energy efficiency project development, management, implementation and advisement to State and public agencies. They use energy Service Companies to serve the agencies.

Annual savings greater than \$4.1 Million in savings. \$40 million in projects in over 75 facilities.

Recent project highlights are included on the slide.

Project steps are specified on the slides.

Q SE Conference: How is your program supported?

A at the beginning, there was a line item – in the state budget. Funding was greatly reduced but has recently seen some recovery.

Q: how can this group support your work?

A: On-going education, specifically, the cost of doing nothing. EX: Public Safety. Their core mission is not to pay for energy costs, but they still have to pay those costs to keep operating, so there is a cost to not upgrading.

REQ: White paper with projections for use by local entities advocating for the program.

Q: REAP – is there anything you are able to do now with these EPSC as a result of the reduced interest rates?

A: Low interest rates are a selling point and more scope in the project. However, it hasn't proven to be a deciding factor.

Project Updates

A. MOA/CPACE – Shaina Kilcoyne – (slides available)

Moving forward with CPACE program development. Working to develop a program that can be used statewide.

Hiccups: Muni's program that provides the assessment, is not able to do the C PACE assessment. They will have to do this part by hand for now. They can do this for a while, buying time to upgrade their internal software.

Working on the Certificate of Eligible Improvements.

www.muni.org/cpace

Hope to be ready to go in a few weeks. Several interested building owners in the pipeline. Muni did submit some requests for statute changes.

As a whole, we do need a few more jurisdictions to join. If a few more sign up, a statewide administrator could be stood up. (Current interested entities are City and Borough of Juneau, Mat-Su Borough and Kenai Peninsula Borough)

EE at the Municipality in general – during Covid has been challenging. EE Education, outreach, and implementation has slowed. The team is working on the Climate Equity Council, adopted 2018 International Building Code, CPACE, and Alaska Common Ground Event:

<https://akcommonground.org/>

Stimulus Bill – Division Z is the energy portion

<https://www.congress.gov/bill/116th-congress/house-bill/133>

Energy Act of 2020 Section by Section

B. VEEP – Rebecca Garrett – (slides provided)

Forty-six successful applicants in round one. A number of projects were delayed due to covid related manufacturing delays, shipping and travel. Fourteen projects completed to date, 594 lights replaced, 225,774 kWh saved, representing \$78,601 annual saving (using averaged kWh)

Fourteen successful applicants with Denali Commission funds. Projects awarded in October 2020. Four sites have cut sheets approved and materials ordered.

C. VW Settlement – Taylor Asher – (slides provided)

Several communities have received VW funds for upgrades to diesel gensets through the State DERA program. School bus replacements in multiple communities. Most of these buses have already been replaced. If the project is not complete, it will be by Spring 2021.

Tok electric bus is in use, the charger is partial powered by solar. Tok is gathering and reporting data.

Juneau all electric transit bus deployed into service February 2021.

D. AHFC Update – Mike Spencer (slides provided)

AHFC working in a virtual world – a change to operation. See slide for who is who at AHFC, positions have been shifted around some and new staff is introduced.

Tyler Boyes provided an update on the status on BMON. Pilot training is expected to be offered this spring, they are looking for volunteers for complete practice training.

Wendell Bruckner provided an update on energy efficiency education and modeling, related to energy rater program. Working on advancing modeling tools. AKWarm is a great tool, they are going to add the ability to provide energy scores for buildings.

Energy Rater education – a huge knowledge base already exists statewide. Support and expand the pool of energy professionals. Make sure that resources are available online. This will also help service the rural areas of the state. At the same time, the education process will be streamlined for new energy raters.

Professional education – updates. Please let AHFC know if you see missing programs or trainings that would help expand their offerings.

- E. UAA BTO Application – UAA rep or Rebecca Garrett (slide provided)
 This project was discussed at the last meeting, but UAA prepared this slide as part of the application package. It summarizes the project nicely.

- F. Southeast Conference – Robert Venables – (confirmed)
 Been on the sidelines of efficiency work due to the impact of Covid and recent natural disasters in the region.
 Will be traveling to Klawock next week to help with the RACEE project.
 Surplus of hydroelectricity available on Prince Of Wales Island SE conference continues to encourage the use of heat pumps.
 Thermalized campaign, heat smart – other initiatives SE conference supports.
<https://akheatsmart.org/>

- G. REAP education updates and Power Pledge Challenge – Tyler Katzmar (slides provided)
<https://alaskarenewableenergy.org/expertise/engaging-education/>
 Teacher trainings: 14 workshops, 392 teachers
 Energy Education Kits: 200 all inclusive, 78 containing additional supplies
 Power Pledge Challenge: 567 students reached, 44% pledge completion
 Partnered with AEA and AHFC, nine utilities, and one regional tribal organization
 Teacher training opportunities are coming up in late January and February.
 Clean Energy Olympics April 22-23 – an Engineering design challenge for Alaskan 4th-12th grade traditional and homeschool students.

- H. SWAMC – Laura Vaught (slide available)
 Third year of the energy audit and renewable energy development assistance grant (EA/REDA).
 Program is available state wide, excluding the Municipality of Anchorage.
 \$308,000 awarded to date. 74 audits completed, 5 audits in progress, and 27 REAP awards received to implement the project.
 Funding is still available for interested applicants. <https://swamc.org/programs/energy-audit/>

- I. ANTHC- Dustin Madden – (slide available)
 Introduce new staff – Jim Fowler and Amanda Setiawan
 Active project in 22 communities - EE in sanitation systems + just received funding for 10 new sites.
 Remote monitoring system in 66 communities currently.
<http://www.rm.anthc.webfactional.com/map/> Intend to install the system in the remaining systems and, in the future, monitor end users of heat recovery.

- J. TNHA – Griffin Hagle- (slide available)
 Utqiagvik Multifamily Rehabilitation – update
 Blower door test completed prior to envelop work. Floor insulation completed in November.
 Swap gas stoves for electric induction cooktops. Exploring cogeneration.
 Wainwright Net-Zero Childcare Center – update

Still in environmental review. Due to Covid delays – planning will move forward slower which is a great opportunity. Expect RFP for architectural and engineering in the next few months.

Q: Are there any other net zero buildings at that latitude?

A: Technically- yes. They are likely buildings that are not connected to a grid.

K. Denali Commission – Tom Wolf –unable to present due to technical difficulties. Update was well contained in the ANTHC update above.

L. Kawerak – Tatiana Askoak –

M. Nuvista – Bertha Prince –

Update on partnership CAMAI program. <https://cema.calistacorp.com/> click on the calendar for upcoming training opportunities..

Upcoming session on January 21st for power plant operators.

Renewable energy systems and electricity February 17.

Meeting concluded at 12 PM and ended here, however, additional updates below:

N. Launch Alaska – Isaac Vanderberg

O. CCHRC – Jack Hebert

P. Bristol Bay Native Association

Q. USDA

R. Other updates

Announcements/Events

- Sustainable Corrections Infrastructure Partnership Opportunity – Rebecca Garrett (slides provided)
- Jan. 12-13 *virtual* Alaska Energy Storage Workshop: <https://alaskarenewableenergy.org/alaska-energy-storage-workshop/>
- Jan 13 EV Presentation – Kenai Peninsula Borough Resilience and Security Advisory Commission <https://www.kpb.us/planning-dept/resilience-security-advisory-commission-meetings>

Upcoming opportunities from UAF Cooperative Extension:

Some classes this week around energy- THIS year you want.... to construct a food storage area
1/13/21 4:30 -6:30pm

Have you been stocking up on food goods this past year? If so, how have you handled proper factors related to healthy storage? Many people look to sheds, cellars or even caches. Learn how you can prepare, build and maintain these environments to keep your food as fresh and safe to eat as possible.

Registration is required at:

<https://us04web.zoom.us/meeting/register/upAudO2trzgiHNNcqhuhBhDrxKYTp4cDm613>

THIS year, you want..... to make your own electricity 1/14/21 1:00-4:00pm

What energy sources have you wanted to adopt as backup or wanted to take advance of to get off-grid? Have you looked at solar panels, wind turbines, hydro devices or even heat devices to make your own power? Have you ever wondered what kind of batteries you. Registration is



required at: <https://us04web.zoom.us/meeting/register/upwrceqrrTgrGdRWfFSgE-vQDcglett5fYb7>

THIS year, you want..... blackout backup- a generator 1/15/21 01:00-4:00pm
Generators can provide backup power when outages occur or you are off-grid. What features are there to look for when shopping around? What size will be adequate for your uses? How difficult is it to operate one? Join us and learn answers to these common questions.

Registration is required at: <https://us04web.zoom.us/meeting/register/upwkc-GtrT4tGtxp8pYVAvGmq6v3Z8wf2WlZ>

Appreciated, Art- feel free to call if any questions come up!
(c) 907-322-2309