



The Alaska Affordable Energy Strategy Program Fact Sheet and Status Update (June 17, 2016)

Program Background: In 2014, the Alaska Legislature passed a provision in the AKLNG legislation that directed the Alaska Energy Authority (AEA) to prepare a plan and recommendations to the Legislature on infrastructure needed to deliver affordable energy to areas of the state that will not have direct access to a North Slope natural gas pipeline. This effort is referred to as the Alaska Affordable Energy Strategy (AkaES) and it, and any associated recommendations for legislation, are due to the Legislature by Jan. 1, 2017.

Program Progress since June 3:

- Communicated on multiple occasions with GINA-led (Geographic Information Network of Alaska at UAF) team responsible for programming the data and community energy infrastructure project evaluation model to provide guidance and explanations for their effort. Received preliminary model results on the opportunity for biomass—both cordwood and pellets—in the AkaES region. Further refinement of the data and algorithms are needed as part of the QA/QC process. The model for air source heat pumps is nearly complete. Model outputs now include community forecasts for electricity and heat by fuel type, project opportunities for residential efficiency, non-residential efficiency, water and wastewater efficiency, wind power, solar power, and biomass.
- Received another draft of the final document on the energy efficiency barriers analysis being performed by Vermont Energy Investment Corp. The project will provide programmatic recommendations for capitalizing on the opportunity for residential and nonresidential energy efficiency in the state.
- Continued internal projects on data collection, program evaluations, project risks and barriers, and utility rates. In particular, the data from pre-construction Renewable Energy Fund projects is being collected to be incorporated into the model.
- Received an update on ACEP's project investigating the barriers to private investment in rural energy infrastructure.
- An online survey, also accessible through the AkaES webpage, was developed to gather information from stakeholders. The survey can be

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found at: <https://www.surveymonkey.com/r/2Z632Y9>. We will keep the survey open for the next several months.

- AEA provided guidance on the next steps for ACEP’s project investigating technology development needs.
- Met with Northern Economics to discuss the final results of their data and model for investigating the potential for using LNG as an alternate fuel in AkAES communities.
- Received the True Cost of Electricity from ISER
- Met with UAA’s Center for Economic Development to discuss a proposal to investigate how the state could improve business processes for Alaska’s rural utilities.
- Received and provided feedback on an updated draft of the US Army Corps of Engineers study on potential improvements to Alaska’s fuel transportation system.
- Scheduled the next Advisory Group meeting for Tuesday, June 21st, at 1-3pm.

Expected Progress during the Next Two Weeks:

- Meet with ISER to discuss preliminary results of the True Cost of Electricity study and next steps in the project.
- Continue coordinating with AEA’s regional energy planning contractors on data collection and economic analysis.
- Continue to coordinate internal AEA work on the AkAES.
Receive final draft report on the technical requirements and costs for delivering LNG to communities and using it for electricity generation and thermal loads

Schedule

