



March 20, 2024

Attention: Southeast Conference  
9360 Glacier Highway, Suite 201  
Juneau, AK 99801

**Re: Climate Pollution Reduction Implementation Grant (CPRG) - Letter of collaborative support for Alaska Heat Smart and Southeast Conference's 'ACES - AK' program**

Dear Mr. Venables,

On behalf of Analysis North, please accept this letter of support for an implementation grant application to the Environmental Protection Agency's Climate Pollution Reduction Grant program by the Southeast Conference (SEC), Alaska Heat Smart (AHS), and the Tlingit Haida Regional Housing Authority (THRHA). We strongly believe that their *Accelerating Clean Energy Savings in Alaska's Coastal Communities Program* (ACES - AK) will be instrumental in catalyzing critical rural energy improvements, lowering homeowners inordinately high utility costs, and dramatically reducing carbon emissions associated with the burning of diesel oil for space heating.

Analysis North has developed a wide variety of software related to building energy use and data acquisition. Analysis North developed the 'Alaska Mini-Split Heat Pump Calculator' to estimate the performance and financial return of installing a mini-split heat pump in a home in Alaska. This software is the technical and data foundation of Alaska Heat Smart's home energy assessment program. Analysis North tools will assist in creating target emission goals for the ACES-AK program and Analysis North staff will consult on data sets and software functionality.

Analysis North believes strongly in the need to decarbonize Alaska's space heating and work to lower its exorbitantly high costs. Most coastal Alaska's communities are economically disadvantaged and lowering the energy burdens of these residents is paramount. The remote nature of many coastal Alaskan homes is weighed down by some of the nation's highest heating costs. Coupled with equally high electricity costs, many of these families spend over 50% of their household incomes on heat alone. The ACES - AK Program being developed by SEC, AHS, and THRHA seeks to lower this burden for thousands of lower to modest income coastal Alaska households. With decades of combined experience in the spaces of economic

development and beneficial electrification, these three respected organizations are poised to better the lives of thousands of Alaska residents.

We look forward to this new home energy education and financial incentive program and Analysis North strongly supports the SEC-AHS-THRHA proposal. Should it be selected, we welcome the opportunity to partner with them to serve households along Alaska's coast.

Sincerely,

A handwritten signature in black ink that reads "Alan Mitchell". The script is fluid and cursive, with the first letters of "Alan" and "Mitchell" being capitalized and prominent.

Alan Mitchell  
Owner  
Analysis North  
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