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SOUTHEAST ALASKA REGIONAL DEVELOPMENT ORGANIZATION

Southeast Conference & Partners Actions and Work to Implement the Energy Security Taskforce Recommendations

B-1.1 Integrate and promote heat pump technology and systems (ASHP, SWHP, GSHP) as an alternative energy resource in Coastal Alaska.

- ☒ **SEC CPRG award to install up to 6,100 heat pumps in Coastal Alaska**

B-1.3 Beneficially electrify the Alaska Ferry Fleet to lower the cost of transportation, emissions, and assist in reducing the cost of power in coastal communities.

- ☒ **SEC Lo-No Emissions work with DOT on new state ferry**

B-1.5 Identify, assist, and fund Battery Energy Storage Systems (BESS) and other Energy Storage Systems (ESS) for successful integration into Coastal communities to increase energy security, grid resilience and to lower energy costs.

- ☒ **Working with local utility to integrate BESS on POW**

B-2.1 Establish, require, assist, and implement community Integrated Resource Plans (light) to forecast energy demand and generation for community and regional future energy needs and to lower energy costs

- ☒ **Energy Shed work in Kake, Angoon, Haines, Hoonah, Metlakatla and Yakutat.**

Support CEDS energy committee, current priority around updating the Southeast Integrated Resource Plan (IRP)

B-2.4 Strategize and prioritize State of Alaska funding to match federal funding and federal financing to build and expand sustainable transmission and distribution lines in Alaska to bring Alaska on par with the US transmission systems for Alaskan energy security and lower energy costs.

- ☒ **Note that the State's REF funding has been critical in unlocking federal funds for developing renewables**

B-2.6 Recruit, train, and enhance Alaska workforce with technical skills and training for advancing beneficial electrification to lower Alaska energy costs and to sustain Alaska's growing energy infrastructure.

- ☒ **Current applications in through AHFC and in partnership with Tlingit & Haida but both funding streams appear to be on hold**



C-2.1 Promote a regional planning approach to connected energy, transportation, and broadband infrastructure

- ☒ **Energy Shed work in Kake, Angoon, Haines, Hoonah, Metlakatla and Yakutat. Support CEDS energy committee, current priority around updating the Southeast IRP**

B-2.4 Strategize and prioritize State of Alaska funding to match federal funding and federal financing to build and expand sustainable transmission and distribution lines in Alaska to bring Alaska on par with the US transmission systems for Alaskan energy security and lower energy costs

- ☒ **REF funding has been critical in unlocking federal funds for developing renewables in the past. The State might consider how points awarded for match in grant application review may disadvantage technologies that are unpopular at the federal level like wind and solar.**
- ☒ **State could partner with feds to leverage potential investments in distribution/transmission/diesel generation and storage infrastructure.**

B-2.6 Recruit, train, and enhance Alaska workforce with technical skills and training for advancing beneficial electrification to lower Alaska energy costs and to sustain Alaska's growing energy infrastructure.

- ☒ **Current applications in through AHFC and in partnership with Tlingit & Haida but both funding streams appear to be on hold**

C-1.1 Identify a funding or financing mechanism for rural communities including a "local match" for Federal grants.

C-1.2 Identify opportunities for Public Private Partnerships to finance/fund energy infrastructure projects in rural Alaska.

C-1.3 State of Alaska commit to sufficient capital budget funding for energy projects in rural Alaska, as identified by AEA, communities, or the Legislature.

- ☒ **Need to develop strategies given dramatic shift in federal funding availability. Potential mechanisms to increase access to capital to consider may include.**

- ☒ **Support updating IRP with additional focus on identifying opportunities that pair excess renewable generation with industry users and economic development opportunities.**
- ☒ **Charge new state green bank with offering favorable financing for power generation for small communities.**
- ☒ **Allowing utilities to count depreciation expense on grant funded assets as an eligible PCE expense with requirement that funds be used to capitalize repair and replacement costs. Note that this will increase costs for customers not eligible for PCE but impact is likely to be modest.**



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C-2.1 Promote a regional planning approach to connected energy, transportation, and broadband infrastructure.

- ☒ **Find ways to leverage in-state resources like ACEP and NREL to provide technical assistance, design and analysis at low or no cost to small communities.**

C-2.5 Fund and construct opportunities to connect rural communities through transmission lines and other shared energy projects.

C-2.6 Invest in critical repairs and resilient infrastructure that may be at high risk to current and future natural hazards (wildfire, extreme cold, storms, etc.), to avoid energy disruptions and preserve continuity of operations.

- ☒ **Work with federal partners to identify opportunities to fund some of the backbone infrastructure that may not have been eligible for recent funding opportunities including diesel powerhouse upgrades, distribution system upgrades and bulk fuel facility maintenance/replacement. (could also fall under strategy E-1 "Strengthen state-federal coordination")**

C-2.8 Evaluate micronuclear, natural gas, hydrogen and other emerging/ underutilized technologies throughout the State of Alaska.

- ☒ **Hydrogen is active conversation in several groups in Alaska right now including Hydrogen working group, biofuels working group, Sustainable Aviation Fuel consultants on contract with DOT, and AK4C (Alaska Clean Communities Coalition).**

