

May 5, 2021

The Honorable Zack Fields  
House Labor and Commerce Committee  
State Capitol Room 24  
Juneau, AK 99801

Dear Representative Fields,

Thank you for the opportunity to participate in the House Labor and Commerce's April 30, 2021, hearing on House Bill 170 Energy Independence Program and Fund with the Alaska Industrial Development and Export Authority (AIDEA). Please find answers below to the questions posed to the Alaska Energy Authority (AEA) by Representative McCarty and yourself.

**1. 8:28 a.m.            Renewable Energy Fund, Weatherization Assistance Program, and the Four Dam Pool**

**Q: Representative McCarty** – It was stated that there was \$280 million that had been allocated the past 12 years for energy programs. I remember in Kodiak that there was a big push to insulate and put new windows into houses and there were a lot of contractors very busy those few years to do that. It brings up the question, since that was already happening in Kodiak, but I hear that was a movement throughout the state. What percentage of homes did that impact over the past 12 years?

**Q: Representative Fields** – And let me make a more pointed question I guess or specific. So Mr. Thayer, if you recall offhand, could you just do a quick rundown of aggregate investment in the Renewable Energy Fund going back to I think about 2008, and the weatherization assistance program; and looking back just a little further the investment in the Four Dam Pool Railbelt, which, of course, was intimately linked with our PCE program? And if you don't have those numbers offhand wouldn't really expect you to you can always send them to the committee in writing.

**A:** The response below addresses the Renewable Energy Fund (REF), the Weatherization Assistance Program, and the Four Dam Pool and its linkage to the Power Cost Equalization Program (PCE).

## **Renewable Energy Fund**

Established by the Alaska State Legislature in 2008, the REF program funds cost-effective renewable energy projects throughout the state. The program is unique in that, by statute, it can fund an eligible project from feasibility analysis through to construction. REF seeks to allocate an equitable balance of grant monies across the state by energy region, according to the prevailing cost of energy in each region.

Attached is a summary of all REF-funded projects since program's inception. To date, the REF has funded \$270 million worth of projects. The vast majority of REF funding has been directed to non-Railbelt projects. As a competitive grant program, applicants are incentivized to pursue those renewable projects which optimize the most cost-effective application of local renewable resources. In addition to providing electricity and heat cost stabilization, the program creates jobs, utilizes local energy resources, keeps money in local economies, and fosters economic development.

Now in its thirteenth annual funding cycle, there are 11 REF grants under consideration for funding by the Legislature. Six are for reconnaissance/feasibility, two are for design/permitting, and three seek funding through construction.

Originally intended to be funded for five years, the Legislature extended the REF for an additional 10 years in 2012. The program's sunset provision is currently scheduled for June 30, 2023.

## **Weatherization Assistance Program**

The Alaska Housing Finance Corporation (AHFC) administers the Weatherization Assistance Program. For more information, please contact AHFC CEO Bryan Butcher at [bbutcher@ahfc.us](mailto:bbutcher@ahfc.us).

## **Power Cost Equalization (and linkage to Four Dam Pool)**

The PCE program of today began some 20+ years after Statehood. Forward-looking legislators acknowledged that access to affordable electricity was the bedrock of continuing economic development in the state. With that in mind, a great many of those legislators focused efforts to identify options to bring low-cost power to rural and urban communities alike across the state.

In the early 1980s, the State pursued several projects to reduce the cost of energy for Anchorage, Matanuska-Susitna Valley, Fairbanks, and medium-sized communities with hydro potential. Between 1980 and 1984, appropriations totaling \$124 million were made towards the construction of the Alaska Intertie, a transmission line between Willow to Healy. Money was also spent on projects such as the Healy

cogeneration facility, the Four Dam Pool, which consisted of four individual hydroelectric projects, and other projects. The predecessor of today's Susitna-Watana Hydroelectric Project was also studied using State funds.

While money was invested in energy projects in urban areas, there was no easy solution to the rising cost of energy in rural areas. To aid rural Alaskans as they dealt with increasing costs of power, the Power Cost Assistance program was created in 1981; and in 1985 the program was renamed the Power Cost Equalization program.

In 2000, the Legislature created and seeded the PCE Endowment Fund to ensure the long-term sustainability of the PCE program. Initial funding for the endowment was an appropriation of \$100 million from the Constitutional Budget Reserve and in the early years, the endowment was additionally funded by proceeds from the sale of the Four Dam Pool hydroelectric projects to those communities served.

Today, the PCE program continues to help rural Alaskans with their high energy costs. The program seeks to reduce the high costs of electricity paid by rural consumers to a level comparable to an average of rates paid in Anchorage, Fairbanks, and Juneau. Small rural communities that are not road accessible experience high costs of producing electricity, usually by diesel, due to significant transportation costs and limited fuel storage capacity, resulting in high diesel fuel prices upon delivery. The kilowatt-hour (kWh) charge for electricity in rural Alaska is considerably higher than the average kWh rate in the state's urban centers. These costs must be recovered from a limited number of customers, many of whom have the limited disposable income associated with generally low economic development.

A utility's eligibility for PCE is determined by state statute. Only communities with centralized utilities can receive payments and they must report operational cost data to the Regulatory Commission of Alaska to remain eligible for PCE disbursements.

PCE ensures the financial viability of centralized power generation in rural communities. Reliable lower-cost energy enhances the quality of life, the standard of living, and the economic strength of the communities. Economic development and access to affordable power are necessary to grow healthy economies in rural Alaska.

### **Eligible Utilities**

The Railbelt electric utilities, the electric utility in Juneau, and those utilities that receive electric power from the Four Dam Pool facilities (Ketchikan, Wrangell, Petersburg, Kodiak, Glennallen, and Valdez) are not eligible for PCE assistance.

**Eligible Customers**

An eligible residential customer may receive PCE credit on up to the first 500 kWh consumed each month. Community facilities are also eligible to receive PCE credit on up to a maximum of 70 kWh per month x the community population. For example, a community of 100 would receive credit on up to 7,000 kWhs for its community facilities combined. State and Federal customers, as well as commercial customers including schools, are not eligible for PCE credit.

**PCE Program Funding**

This fund is administered by AEA and is composed of:

- Appropriations by the State Legislature.
- Appropriations from the National Petroleum Reserve in Alaska.
- Gifts, bequests, and contributions from other sources.
- Interest earned on the fund balance.

If you have further questions, please contact me at (907) 771-3009.

Sincerely,



Curtis W. Thayer  
Executive Director

CC: Representative Ivy Spohnholz  
Representative James Kaufman  
Representative Ken McCarty  
Representative David Nelson  
Representative Calvin Schrage  
Representative Liz Snyder

# RENEWABLE ENERGY PROJECTS BY ENERGY REGION (2008-Present)

Project Posting Dates 7/1/2000..3/31/21

Energy Region	PJ Code	AEA Project Name	Community Name	House District	Senate District	Native Corporation	Renewable Energy Fund		Community Contributions		Original Request
							Budget	Spent	Budget	Spent	Original Grant Request Amount
Aleutians											
	403038	Adak Diesel Hybrid - Closed	Adak	37	S	Aleut Corporation	76,369.00	76,369.00	5,756.00	5,756.00	800,000.00
	407062	Town Crk Hydro-Design for Repairs/Upgrades -Closed	Akutan	37	S	Aleut Corporation	162,000.00	162,000.00	-	-	1,795,450.00
	407061	Loud Creek Hydro-Closed	Akutan	37	S	Aleut Corporation	206,295.92	206,295.92	-	-	237,772.00
	407072	Akutan Hydroelectric System Repair/Upgrade-Closed	Akutan	37	S	Aleut Corporation	1,391,000.00	1,391,000.00	135,633.35	135,633.35	1,391,000.00
	406010	Akutan Geothermal Development Prj - Closed	Akutan	37	S	Aleut Corporation	5,463,792.00	5,463,792.00	441,689.85	881,759.17	2,995,000.00
	403039	Atka Hydro Dispatched Excess Elect. Power-CLOSED	Atka	37	S	Aleut Corporation	56,702.31	56,702.31	16,179.09	16,179.09	297,500.00
	407033	Chunisax Cr Hydroelectric Construction - Closed	Atka	37	S	Aleut Corporation	996,000.00	996,000.00	1,918,891.00	1,953,836.59	996,000.00
	403069	Cold Bay Waste Heat Recovery Project - Closed	Cold Bay	37	S	Aleut Corporation	17,524.50	17,524.50	1,188.75	1,188.75	109,765.00
	410061	Cold Bay Electric Utility Wind Energy R4-Closed	Cold Bay	37	S	Aleut Corporation	57,591.91	57,591.91	7,987.00	7,987.00	158,625.00
	410079	False Pass Wind Energy Project R4-CLOSED	False Pass	37	S	Aleut Corporation	68,653.75	68,653.75	5,000.00	5,000.00	128,625.00
	407090	Waterfall Creek Hydroelectric Project - Closed	King Cove	37	S	Aleut Corporation	2,800,000.00	2,800,000.00	1,500,000.00	2,746,513.24	1,900,000.00
	410070	Nelson Lagoon Wind Energy Project R4-Closed	Nelson Lagoon	37	S	Aleut Corporation	75,756.47	75,756.47	7,260.00	7,260.00	158,625.00
	410028	Nikolski Wind Integration Construction - Closed	Nikolski	37	S	Aleut Corporation	409,430.00	409,430.00	41,500.00	69,082.24	409,430.00
	410029	St. George Wind Farm Construction-Closed	Saint George	37	S	Aleut Corporation	1,485,167.34	1,485,167.34	-	-	1,500,000.00
	403040	Saint Paul Fuel Economy Upgrade R3-CLOSED	Saint Paul	37	S	Aleut Corporation	98,149.00	98,149.00	19,238.52	19,238.52	510,941.00
	409023	St. Paul Wind Diesel Project R3 - Closed	Saint Paul	37	S	Aleut Corporation	1,790,301.15	1,790,301.15	191,605.61	191,605.61	1,900,000.00
	407051	Aleutians East Borough Feasibility Study - Closed	Sand Point	37	S	Aleut Corporation	25,000.00	25,000.00	15,000.00	15,177.25	25,000.00
	410100	Sand Point Excess Wind Utilization - Closed	Sand Point	37	S	Aleut Corporation	307,120.00	307,120.00	79,550.51	79,550.51	307,120.00
	410050	Sand Point Wind-Closed	Sand Point	37	S	Aleut Corporation	639,494.85	639,494.85	437,900.00	437,900.00	639,806.00
	403032	Unalaska Heat Recovery Construction-CLOSED	Unalaska	37	S	Aleut Corporation	1,300,000.00	1,300,000.00	619,807.00	619,807.00	1,300,000.00
AleutiansTotal							17,426,348.20	17,426,348.20	16,358,412.68	38,229,029.65	17,560,659.00
Bering Straits											
	403070	Brevig Mission Water System Heat Recovery-Closed	Brevig Mission	39	T	Bering Straits Native Corporation	113,076.49	113,076.49	20,574.69	20,574.69	731,372.00
	410077	Elim Wind Feasibility R4-Closed	Elim	39	T	Bering Straits Native Corporation	73,234.00	73,234.00	3,854.00	3,854.00	142,500.00
	410080	Gambell Wind Energy Recovery RD5-CLOSED	Gambell	39	T	Bering Straits Native Corporation	239,950.00	239,950.00	12,645.00	12,645.00	240,260.00
	410075	Koyuk Wind Feasibility R4-Closed	Koyuk	39	T	Bering Straits Native Corporation	16,142.00	16,142.00	850.00	850.00	142,500.00
	407107	Koyuk Water System Heat Recovery R9	Koyuk	39	T	Bering Straits Native Corporation	90,922.00	89,088.86	910.00	910.00	688,386.00
	409017	Nome Banner Peak Wind Farm Trans Const-Closed	Nome	39	T	Bering Straits Native Corporation	801,000.00	801,000.00	89,000.00	122,871.43	801,000.00
	406013	Pilgrim Hot Springs Geothermal Assess R3,R4-Closed	Nome	39	T	Bering Straits Native Corporation	1,943,410.72	1,943,410.72	2,313,093.00	2,313,093.00	1,748,343.00
	410030	Nome/Newton Peak Wind Farm Construction-Cld	Nome	39	T	Bering Straits Native Corporation	8,069,000.00	8,069,000.00	1,159,641.56	1,159,641.56	13,951,326.00
	403062	Savoonga Heat Recovery System R6 CLOSED	Savoonga	39	T	Bering Straits Native Corporation	425,234.32	425,234.32	10,452.57	10,452.57	425,701.00
	410081	Shaktolik Surplus Wind Energy Recovery RD5-CLOSED	Shaktolik	39	T	Bering Straits Native Corporation	239,230.00	239,230.00	12,645.00	12,645.00	240,260.00
	410053	Shaktolik Wind-Closed	Shaktolik	39	T	Bering Straits Native Corporation	2,465,633.00	2,465,633.00	374,280.00	374,280.00	2,465,664.00
	407108	Shishmaref Wind Feasibility&Conceptual Design R9	Shishmaref	39	T	Bering Straits Native Corporation	152,000.00	1,353.00	8,000.00	71.00	152,000.00
	403055	Shishmaref Heat Recovery Project R5	Shishmaref	39	T	Bering Straits Native Corporation	310,841.00	42,418.32	16,360.00	13,741.72	310,841.00
	410066	Stebbins/St Michael Wind Feas.FD&Permitting-CLOSED	Stebbins	39	T	Bering Straits Native Corporation	479,750.00	479,750.00	72,825.00	72,825.00	137,750.00
	403065	Stebbins Heat Recovery Project R6-Closed	Stebbins	39	T	Bering Straits Native Corporation	1,319,088.00	1,319,088.00	21,975.00	21,975.00	1,319,088.00
	410054	Teller Wind Analysis-Closed	Teller	39	T	Bering Straits Native Corporation	98,165.00	98,165.00	5,167.00	5,167.00	117,610.00
	410031	Unalakleet Wind Farm Construction - Closed	Unalakleet	39	T	Bering Straits Native Corporation	4,000,000.00	4,000,000.00	164,340.00	201,492.00	8,774,080.00
	407105	Wales Water System Heat Recovery R9	Wales	39	T	Bering Straits Native Corporation	650,047.00	69,905.00	6,559.00	6,485.66	650,047.00
Bering StraitsTotal							21,486,723.53	20,485,678.71	5,745,753.82	5,807,378.63	33,038,728.00
Bristol Bay											
	407034	Indian Creek Hydro Feasibility Study	Chignik	37	S	Bristol Bay Native Corporation	198,513.12	198,513.12	-	-	207,500.00
	407036	Chignik Lagoon Hydroelectric Final Design - Closed	Chignik Lagoon	37	S	Bristol Bay Native Corporation	150,000.00	150,000.00	-	-	150,000.00
	407091	Packer's Creek Hydroelectric Project - Closed	Chignik Lagoon	37	S	Bristol Bay Native Corporation	4,346,196.00	4,346,196.00	1,046,938.04	1,046,938.04	1,993,496.00
	410033	Chignik Lake Area Wind-Hydro Final Design-Closed	Chignik Lake	37	S	Bristol Bay Native Corporation	74,850.60	74,850.60	9,854.30	9,854.30	375,000.00
	410088	Egegik Wind Feasibility Study R6-Closed	Egegik	37	S	Bristol Bay Native Corporation	60,000.00	60,000.00	16,377.52	16,377.52	80,000.00
	410098	Igiugig Wind Resource Feasibility & CDR-CLOSED	Igiugig	37	S	Bristol Bay Native Corporation	80,000.00	80,000.00	30,000.00	30,000.00	80,000.00
	408002	Kvichak River - Ocean & River Energy-Closed	Igiugig	37	S	Bristol Bay Native Corporation	704,905.21	704,905.21	-	-	2,302,630.00
	410089	Kokhanok - High-penetration Wind Energy R6	Kokhanok	37	S	Bristol Bay Native Corporation	185,000.00	96,139.78	5,000.00	-	185,000.00
	410072	New Koliganek Wind & Heat Recovery Feasb-Closed	Koliganek	37	S	Bristol Bay Native Corporation	77,853.48	77,853.48	2,575.00	2,575.00	105,050.00

# RENEWABLE ENERGY PROJECTS BY ENERGY REGION (2008-Present)

Project Posting Dates 7/1/2000..3/31/21

Energy Region	PJ Code	AEA Project Name	Community Name	House District	Senate District	Native Corporation	Renewable Energy Fund		Community Contributions		Original Request
							Budget	Spent	Budget	Spent	Original Grant Request Amount
	410032	Lake Pen Borough Wind Feasibility Study-Closed	Lake & Peninsula Borough			Bristol Bay Native Corporation	184,000.00	184,000.00	40,000.00	60,562.47	184,000.00
	402026	Lake & Peninsula Borough Wood Boilers R1,R4-CLOSED	Lake & Peninsula Borough			Bristol Bay Native Corporation	280,421.41	280,421.41	18,386.64	18,386.64	77,000.00
	407035	Nushagak Area Hydropower Project R3-Closed	Lake & Peninsula Borough			Bristol Bay Native Corporation	1,873,223.18	1,873,223.18	-	-	10,000,000.00
	410087	Levelock Wind Reconnaissance Study R6-Closed	Levelock	37	S	Bristol Bay Native Corporation	10,000.00	10,000.00	1,636.00	1,636.00	10,000.00
	409025	New Stuyahok Wind-Feasibility Analysis R3-Closed	New Stuyahok	37	S	Bristol Bay Native Corporation	142,500.00	142,500.00	8,885.00	8,885.00	142,500.00
	403068	New Stuyahok Heat Recovery R6 - Closed	New Stuyahok	37	S	Bristol Bay Native Corporation	484,897.27	484,897.27	62,000.00	59,931.12	486,000.00
	407103	Pedro Bay/Knutson Creek Hydroelectric Project R6	Pedro Bay	37	S	Bristol Bay Native Corporation	290,000.00	211,246.80	2,500.00	2,577.98	290,000.00
	409026	Pilot Point Wind Power & Heat R3 - Closed	Pilot Point	37	S	Bristol Bay Native Corporation	1,421,240.00	1,421,240.00	111,659.76	111,659.76	1,421,240.00
	407098	Tazmina Hydroelectric Project Capacity Inc-Closed	Port Alsworth	37	S	Cook Inlet Region, Incorporated	160,000.00	160,000.00	34,923.45	34,923.45	160,000.00
	403056	Togiak Waste Heat Recovery Project	Togiak	37	S	Bristol Bay Native Corporation	443,030.00	365,711.63	43,150.00	163.37	443,030.00
<b>Bristol BayTotal</b>							<b>11,166,630.27</b>	<b>10,921,698.48</b>	<b>2,125,118.53</b>	<b>2,095,703.47</b>	<b>18,692,446.00</b>
<b>Copper River/Chugach</b>											
	407071	Chenega Bay Hydro Design and Permitting - Closed	Chenega Bay	32	P	Chugach Alaska Corporation	242,231.05	242,231.05	34,932.95	34,932.95	252,000.00
	410096	Chisana Mountain Wind Feasibility - Closed	Chisana			Ahtna, Incorporated	67,364.12	67,364.12	29,795.47	29,795.47	119,000.00
	402028	Chistochina Central Wood Heating Construction-Cld	Chistochina	6	C	Ahtna, Incorporated	500,000.00	500,000.00	12,000.00	61,107.97	827,000.00
	407058	Fivemile Creek Hydroelectric Project R2,R4	Chitina	6	C	Ahtna, Incorporated	4,095,660.72	579,420.72	3,000,000.00	347,870.70	3,400,000.00
	403028	Cordova Heat Recovery Construction - CLOSED	Cordova	32	P	Chugach Alaska Corporation	1,780,000.00	1,780,000.00	1,990,000.00	2,017,652.00	1,780,000.00
	407037	Humpback Creek Hydroelectric Construction-Closed	Cordova	32	P	Chugach Alaska Corporation	4,000,000.00	4,000,000.00	3,400,238.00	3,402,483.00	5,500,000.00
	407066	Humpback Creek Hydro Rehabilitation R3 - Closed	Cordova	32	P	Chugach Alaska Corporation	4,000,000.00	4,000,000.00	5,805,000.00	6,186,291.00	4,000,000.00
	402115	Eyak Biomass Feasibility Study R4-Closed	Eyak			Chugach Alaska Corporation	63,998.83	63,998.83	3,000.00	9,235.50	245,065.00
	402027	Cordova Wood Processing Plant Construction-Closed	Eyak			Chugach Alaska Corporation	136,760.00	136,760.00	-	-	364,225.00
	402030	Gulkana Central Wood Heating Construction Closed	Gulkana	6	C	Ahtna, Incorporated	500,000.00	500,000.00	-	-	898,000.00
	402019	KennyLakeSchool Wood Fired BoilerR0,R1,R4-CLOSED	Kenny Lake	6	C	Ahtna, Incorporated	648,381.23	648,381.23	17,472.04	17,472.04	1,200,000.00
	402127	Mentasta Comm. Fac Woody Biomass Space Heat-CLOSED	Mentasta Lake	6	C	Ahtna, Incorporated	460,000.00	460,000.00	50,000.00	50,000.00	460,000.00
	410052	Tatitlek High Penetration Wind Diesel-Closed	Tatitlek	32	P	Chugach Alaska Corporation	51,974.47	51,974.47	5,273.05	5,273.05	164,358.00
	403057	Tatitlek Heat Recovery Project R5-CLOSED	Tatitlek	32	P	Chugach Alaska Corporation	263,444.55	263,444.55	-	-	265,000.00
	402138	Wood Boiler for the Native Vllg of Tazlina-CLOSED	Tazlina	6	C	Ahtna, Incorporated	270,807.00	270,807.00	48,187.67	56,435.47	270,807.00
	407038	Allison Lake Hydro Prj Feas. & Construction-Closed	Valdez	9	E	Chugach Alaska Corporation	10,288,009.00	10,288,009.00	8,573,143.00	8,573,143.00	2,288,000.00
<b>Copper River/ChugachTotal</b>							<b>27,368,630.97</b>	<b>23,852,390.97</b>	<b>34,962,942.18</b>	<b>32,780,488.15</b>	<b>22,033,455.00</b>
<b>Kodiak</b>											
	407059	Terror Lake Hydroelectric Project-Closed	Kodiak Island Borough			Koniag, Incorporated	3,976,258.68	3,976,258.68	7,815,346.50	7,815,346.50	500,000.00
	407088	Terror Lake Unit 3 Hydro Project R3 - Closed	Kodiak Island Borough			Koniag, Incorporated	248,160.00	248,160.00	200,000.00	200,000.00	7,500,000.00
	410020	Pillar Mt. Wind Ph II Assessment-Closed	Kodiak Island Borough			Koniag, Incorporated	-	-	25,000.00	50,000.00	
	410025	Pillar Mtn. Wind PH III Kodiak - Closed	Kodiak Island Borough			Koniag, Incorporated	4,000,000.00	4,000,000.00	1,000,000.00	1,000,000.00	9,650,000.00
	410082	Pillar Mountain High Penetration Wind RD5 - Closed	Kodiak Island Borough			Koniag, Incorporated	7,800,000.00	7,800,000.00	7,800,000.00	7,800,000.00	8,000,000.00
	407005	Old Harbor Hydro - Closed	Old Harbor	32	P	Koniag, Incorporated	-	-	-	-	
	407039	Old Harbor Hydroelectric R1,R4-CLOSED	Old Harbor	32	P	Koniag, Incorporated	462,500.00	462,500.00	37,500.00	50,954.00	225,000.00
<b>KodiakTotal</b>							<b>16,486,918.68</b>	<b>16,486,918.68</b>	<b>16,877,846.50</b>	<b>16,916,300.50</b>	<b>25,875,000.00</b>
<b>Lower Yukon-Kuskokwim</b>											
	410078	Akiachak Wind Feasibility&Conceptual Design-Closed	Akiachak	38	S	Calista Corporation	110,000.00	110,000.00	18,373.44	18,373.44	110,000.00
	410065	Atmautluak Wind Renewable Energy R4-Closed	Atmautluak	38	S	Calista Corporation	100,000.00	100,000.00	-	-	225,000.00
	403063	Atmautluak Washeteria Heat Recovery - Closed	Atmautluak	38	S	Calista Corporation	349,999.97	349,999.97	10,744.00	10,744.00	350,000.00
	410086	Bethel Renewable Energy Project - Closed	Bethel	38	S	Calista Corporation	197,170.18	197,170.18	34,794.74	34,794.74	3,961,638.00
	402134	Bethel Heat Recovery Assess&Concept Design-CLOSED	Bethel	38	S	Calista Corporation	645,613.00	645,613.00	34,503.00	34,503.00	645,613.00
	410034	Bethel Renewable Energy Project R1-Closed	Bethel	38	S	Calista Corporation	2,598,320.00	2,598,320.00	199,889.00	223,299.00	2,598,320.00
	410076	Chefornak Wind Feasibility R4-CLOSED	Chefornak	38	S	Calista Corporation	130,522.02	130,522.02	8,205.00	8,205.00	250,000.00
	410084	Chevak Wind Energy Recovery RD5-CLOSED	Chevak	39	T	Calista Corporation	240,260.00	240,260.00	12,641.00	12,641.00	240,260.00
	403071	Chevak Water & Vacuum Plant Heat Recovery	Chevak	39	T	Calista Corporation	558,800.00	549,987.34	16,765.00	10,991.97	558,814.00
	410067	Eek Wind Feasibility R4-Closed	Eek	38	S	Calista Corporation	114,718.00	114,718.00	6,225.00	6,225.00	142,500.00
	403072	Emmonak Heat Recovery System-Closed	Emmonak	39	T	Calista Corporation	684,311.77	684,311.77	20,677.00	20,677.00	689,251.00
	410055	Emmonak/Alakanuk Wind & Transmission - Closed	Emmonak	39	T	Calista Corporation	8,000,000.00	8,000,000.00	888,889.00	891,627.00	9,670,361.00
	410040	Hooper Bay Wind Farm Construction - Closed	Hooper Bay	39	T	Calista Corporation	60,179.25	60,179.25	-	-	2,220,141.00

# RENEWABLE ENERGY PROJECTS BY ENERGY REGION (2008-Present)

Project Posting Dates 7/1/2000..3/31/21

Energy Region	PJ Code	AEA Project Name	Community Name	House District	Senate District	Native Corporation	Renewable Energy Fund		Community Contributions		Original Request
							Budget	Spent	Budget	Spent	Original Grant Request Amount
	410099	Kongiginak Wind Heat Elect. Thermal Storage-Closed	Kongiganak	38	S	Calista Corporation	274,735.01	274,735.01	9,000.00	9,000.00	311,456.00
	410035	Kongiganak Wind Farm Construction - Closed	Kongiganak	38	S	Calista Corporation	1,699,791.57	1,699,791.57	1,475,169.97	1,475,169.97	1,700,000.00
	410068	Kwethluk Wind Feasibility R4-Closed	Kwethluk	38	S	Calista Corporation	44,098.22	44,098.22	5,747.65	5,747.65	145,000.00
	410036	Kwigillingok Wind Farm Construction-Closed	Kwigillingok	38	S	Calista Corporation	1,600,000.00	1,600,000.00	1,600,000.00	1,600,000.00	1,600,000.00
	410069	Marshall Wind Feasibility-Closed	Marshall	38	S	Calista Corporation	111,150.00	111,150.00	6,985.00	6,985.00	111,150.00
	403066	Marshall Heat Recovery-Water Treatment Plant-Clsd	Marshall	38	S	Calista Corporation	177,702.30	177,702.30	6,000.00	6,000.00	183,200.00
	410083	Mekoryuk Surplus Wind Energy Recovery RD5-CLOSED	Mekoryuk	38	S	Calista Corporation	264,459.00	264,459.00	13,919.00	13,919.00	264,459.00
	410038	Mekoryuk Wind Farm Construction-Closed	Mekoryuk	38	S	Calista Corporation	3,155,765.00	3,155,765.00	390,493.00	390,493.00	3,155,765.00
	410097	Mountain Village Wind Feasibility & CDR-Closed	Mountain Village	39	T	Calista Corporation	95,893.00	95,893.00	5,047.00	5,047.00	123,500.00
	410063	Napaskiak Wind, Power and Heat Recovery R4-Closed	Napaskiak	38	S	Calista Corporation	61,224.39	61,224.39	3,688.00	3,688.00	171,275.00
	403074	Nunam Iqua Heat Recovery CLOSED	Nunam Iqua	39	T	Calista Corporation	450,000.00	450,000.00	-	-	450,000.00
	403064	Quinhagak Heat Recovery - Water Treatment - Closed	Quinhagak	38	S	Calista Corporation	668,350.00	668,350.00	21,435.39	21,435.39	668,350.00
	410037	Quinhagak Wind Farm Construction-Closed	Quinhagak	38	S	Calista Corporation	3,437,322.00	3,437,322.00	381,924.00	381,924.00	3,882,243.00
	403059	Russian Mission Heat Recovery System R5 - Closed	Russian Mission	38	S	Calista Corporation	552,157.06	552,157.06	32,000.10	32,000.10	555,000.00
	403073	St. Mary's Heat Recovery System-Closed	Saint Mary's	39	T	Calista Corporation	735,200.00	735,200.00	24,142.39	24,142.39	735,242.00
	407110	Mountain Village-St. Mary's Wind IntertieR9-CLOSED	Saint Mary's	39	T	Calista Corporation	2,042,431.00	2,042,431.00	3,117,266.00	3,117,266.00	3,196,000.00
	410064	St. Mary's/ Pitka's Point Wind - Closed	Saint Mary's	39	T	Calista Corporation	4,624,094.00	4,624,094.00	34,444.00	34,444.00	4,000,000.00
	402137	Scammon Bay Community Facilities Heat Recovery-Cls	Scammon Bay	39	T	Calista Corporation	34,660.01	34,660.01	1,740.36	1,740.36	756,335.00
	407092	Scammon Bay Hydro Design & Engineering R5-Closed	Scammon Bay	39	T	Calista Corporation	79,636.86	79,636.86	2,792.63	2,792.63	399,786.00
	410071	Scammon Bay Wind Feasibility R4-Closed	Scammon Bay	39	T	Calista Corporation	142,500.00	142,500.00	16,441.00	16,441.00	142,500.00
	403058	Sleetmute Heat Rec PowerPlant to WaterPlant CLOSED	Sleetmute	37	S	Calista Corporation	126,682.00	126,682.00	6,667.00	6,667.00	126,682.00
	410039	Toksook Bay Wind Farm Expansion Construct.-Closed	Toksook Bay	38	S	Calista Corporation	1,037,750.00	1,037,750.00	215,306.00	153,937.00	1,037,750.00
	403075	Tuntutuliak Heat Recovery-Closed	Tuntutuliak	38	S	Calista Corporation	71,638.58	71,638.58	10,988.47	10,988.47	455,642.00
	410051	Tuntutuliak High Penetration Wind Diesel-Closed	Tuntutuliak	38	S	Calista Corporation	1,760,000.00	1,760,000.00	1,600,000.00	1,600,000.00	1,760,000.00
<b>Lower Yukon-KuskokwimTotal</b>							<b>37,037,134.19</b>	<b>37,028,321.53</b>	<b>14,115,826.71</b>	<b>14,074,832.68</b>	<b>47,593,233.00</b>
<b>Non Specified</b>											
	403054	Organic Rankine Cycle Field Testing R4	Statewide Projects			Non Specified	472,787.00	472,787.00	-	-	472,787.00
	407075	Battle Creek Diversion R4 -Also SEE PJ 270011	AEA Owned Projects			Non Specified	500,000.00	500,000.00	-	-	500,000.00
	407054	Statewide Hydrokinetic Feasibility Study - Closed	Statewide Studies			Non Specified	563,101.47	563,101.47	-	-	565,439.00
	402025	Biomass-fired Organic Rankine Cycle System-Closed	Statewide Projects			Non Specified	1,895,725.00	1,895,725.00	3,195,277.82	3,195,277.82	2,000,000.00
<b>Non SpecifiedTotal</b>							<b>3,431,613.47</b>	<b>3,431,613.47</b>	<b>12,062,665.00</b>	<b>12,347,468.31</b>	<b>3,538,226.00</b>
<b>North Slope</b>											
	409021	Atkasuk Transmission Line-CLOSED	Barrow	40	T	Arctic Slope Regional Corporation	367,304.67	367,304.67	44,403.25	44,403.25	400,000.00
	410073	Kaktovik Wind Diesel R4 - Closed	Kaktovik	40	T	Arctic Slope Regional Corporation	131,859.00	131,859.00	13,041.00	13,041.00	132,000.00
	403029	North Pole Heat Recovery Construction - Closed	North Pole	3	B	Doyon, Limited	817,291.63	817,291.63	204,322.90	204,322.90	840,000.00
	409027	Point Hope Wind Turbine Design - Closed	Point Hope	40	T	Arctic Slope Regional Corporation	124,048.42	124,048.42	13,783.16	13,783.16	3,506,406.00
	409029	Point Lay Wind Diesel Generation Project R3-Closed	Point Lay	40	T	Arctic Slope Regional Corporation	114,845.38	114,845.38	12,760.60	12,760.60	3,506,406.00
	403036	Point Lay Wind Generation Design R4-Closed	Point Lay	40	T	Arctic Slope Regional Corporation	390,546.90	390,546.90	39,591.00	39,591.00	400,000.00
	409028	Wainwright Wind Diesel Generation Prj. R3-Closed	Wainwright	40	T	Arctic Slope Regional Corporation	123,255.02	123,255.02	13,694.99	13,694.99	3,506,406.00
<b>North SlopeTotal</b>							<b>2,069,151.02</b>	<b>2,069,151.02</b>	<b>341,596.90</b>	<b>341,596.90</b>	<b>12,291,218.00</b>
<b>Northwest Arctic</b>											
	411002	Ambler Solar PV Construction - Closed	Ambler	40	T	NANA Regional Corporation	20,122.00	20,122.00	2,012.00	2,012.00	550,000.00
	403033	Ambler Heat Recovery Construction - CLOSED	Ambler	40	T	NANA Regional Corporation	434,928.09	434,928.09	66,659.53	66,659.53	435,000.00
	409024	Kivalina Wind-Intertie Feas Analys&CDes R3-Closed	Kivalina	40	T	NANA Regional Corporation	177,005.00	177,005.00	9,317.00	9,317.00	183,350.00
	402117	Kotzebue Paper & Wood Waste to Energy R4-CLOSED	Kotzebue	40	T	NANA Regional Corporation	66,578.25	66,578.25	3,838.34	3,838.34	85,000.00
	403034	Kotzebue Electric Heat Recovery Construction	Kotzebue	40	T	NANA Regional Corporation	915,627.00	824,064.30	300,000.00	305,794.14	915,627.00
	409022	High Penetration Wind-Battery-Diesel R3-Closed	Kotzebue	40	T	NANA Regional Corporation	8,000,000.00	8,000,000.00	2,884,170.00	2,884,170.00	12,075,535.00
	403067	Noorvik Heat Recovery - Water Treatment Plant-Clsd	Noorvik	40	T	NANA Regional Corporation	985,805.00	985,805.00	29,580.00	29,580.00	985,805.00
	402031	Upper Kobuk River Biomass R4 - Closed	Northwest Arctic Borough			NANA Regional Corporation	771,666.95	771,666.95	312,915.00	312,915.00	249,500.00
	407040	Cosmos Hills Hydroelectric Feasibility-Closed	Northwest Arctic Borough			NANA Regional Corporation	1,025,000.00	1,025,000.00	50,722.00	50,722.00	1,025,000.00
	410042	Buckland/Deering/Noorvik Wind Farm Const-Clsd	Northwest Arctic Borough			NANA Regional Corporation	10,738,438.91	10,738,438.91	154,777.12	154,777.12	10,758,928.00
	410074	Selawik Hybrid Wind Diesel Syst Turbine R4-Clsd	Selawik	40	T	NANA Regional Corporation	75,420.00	75,420.00	7,540.00	7,540.00	85,000.00

# RENEWABLE ENERGY PROJECTS BY ENERGY REGION (2008-Present)

Project Posting Dates 7/1/2000..3/31/21

Energy Region	PJ Code	AEA Project Name	Community Name	House District	Senate District	Native Corporation	Renewable Energy Fund		Community Contributions		Original Request
							Budget	Spent	Budget	Spent	Original Grant Request Amount
Northwest Arctic Total							23,210,591.20	23,119,028.50	3,992,837.50	3,998,631.64	27,348,745.00
Railbelt											
	402032	Anch. Landfill Gas Elect Const.-Biofuels-CLOSED	Anchorage	18;19;20;21;22	G;H;I;J;K;L;M	Cook Inlet Region, Incorporated	2,000,000.00	2,000,000.00	1,423,866.00	1,423,866.00	3,700,000.00
	407084	Jack River Hydro Project R4 - Closed	Cantwell	6	C	Ahtna, Incorporated	30,000.00	30,000.00	1,500.00	1,500.00	190,000.00
	411003	McKinley Village Solar Thermal Const - Closed	Denali Borough			Doyon, Limited	190,000.00	190,000.00	3,600.00	20,878.92	190,000.00
	410022	Delta Junction Wind Assessment& Avian Study-Closed	Fairbanks North Star Borough			Doyon, Limited	65,412.09	65,412.09	184,567.79	184,567.79	
	402033	Delta Junction Wood Chip Heating Feasibilit-Closed	Fairbanks North Star Borough			Doyon, Limited	2,000,000.00	2,000,000.00	-	-	2,868,000.00
	410027	Delta Area Wind Turbines - Closed	Fairbanks North Star Borough			Doyon, Limited	2,000,000.00	2,000,000.00	801,500.00	954,534.37	
	407052	California Creek Hydro Feasibility - Closed	Girdwood			Not recognized under ANCSA	27,300.00	27,300.00	2,700.00	2,700.00	5,231,750.00
	407082	Eskia Creek Hydroelectric Project R4 - Closed	Matanuska-Susitna Borough			Cook Inlet Region, Incorporated	14,407.70	14,407.70	2,881.54	2,881.54	37,000.00
	407080	Hunter Creek Hydroelectric Project R4 - Closed	Matanuska-Susitna Borough			Cook Inlet Region, Incorporated	84,000.00	84,000.00	16,000.00	16,000.00	84,000.00
	407053	Nenana Hydrokinetic Construction-CLOSED	Nenana	6	C	Doyon, Limited	450,000.00	450,000.00	-	-	1,854,026.00
	410046	Nikiski Wind Farm Construction - Closed	Nikiski	29	O	Cook Inlet Region, Incorporated	2,102.87	2,102.87	18,925.88	18,925.88	11,700,000.00
	402116	Port Graham Biomass Waste Heat Demo PrjR4-CLOSED	Port Graham	32	P	Chugach Alaska Corporation	58,600.00	58,600.00	14,119.00	14,119.00	697,475.00
	407026	Plamingan Lk/Ck Low Impact Hydro Assess - Closed	Railbelt Region			Cook Inlet Region, Incorporated	4,684.35	4,684.35	13,671.08	13,671.08	
	407023	Crescent Lk/Cr Low Impact Hydro Assess - Closed	Railbelt Region			Cook Inlet Region, Incorporated	23,273.04	23,273.04	13,318.27	13,318.27	
	407043	Whittier Creek Hydroelectric Reconnaissance-Closed	Railbelt Region			Cook Inlet Region, Incorporated	39,471.00	39,471.00	34,285.00	34,285.00	85,000.00
	407025	Grant Lk/Cr Low Impact Hydro Assessment - Closed	Railbelt Region			Cook Inlet Region, Incorporated	50,000.00	50,000.00	25,000.00	25,000.00	
	406012	Mount Spurr Geothermal Project R3, R4-Closed	Railbelt Region			Cook Inlet Region, Incorporated	1,993,158.00	1,993,158.00	2,158,603.00	2,549,052.00	1,993,158.00
	407042	Grant Lake Hydroelectric Facility-Closed	Railbelt Region			Cook Inlet Region, Incorporated	2,000,000.00	2,000,000.00	500,000.00	500,000.00	816,000.00
	410044	EVA Creek Wind Turbine Purchase-CLOSED	Railbelt Region			Cook Inlet Region, Incorporated	3,463,200.00	3,463,200.00	24,031,049.51	24,031,049.51	79,340,322.00
	407077	StetsonCrkDiversion/CooperLakeDamFacilities-Closed	Railbelt Region			Cook Inlet Region, Incorporated	3,594,979.60	3,594,979.60	3,594,979.50	3,594,979.50	2,000,000.00
	406023	Seldovia Ground Source Heat Pump-CLOSED	Seldovia	32	P	Cook Inlet Region, Incorporated	311,753.20	311,753.20	48,964.43	48,964.43	318,289.00
	407044	Fourth of July Creek Hydroelectric-Closed	Seward	29	O	Chugach Alaska Corporation	20,000.00	20,000.00	20,000.00	20,016.92	7,837,500.00
	406011	AK SeaLifeCenter PH II Seawater Heat PumpR3-Closed	Seward	29	O	Chugach Alaska Corporation	286,580.00	286,580.00	-	426,720.00	286,580.00
	407109	Heat Pump System for City of Seward R9	Seward	29	O	Chugach Alaska Corporation	725,000.00	88,000.00	157,497.00	81,284.31	725,000.00
	407060	Carlson Creek Hydro-Closed	Southcentral Alaska			Cook Inlet Region, Incorporated	8,811.26	8,811.26	2,202.82	2,202.82	520,000.00
RailbeltTotal							19,442,733.11	18,805,733.11	43,395,016.52	44,862,991.92	120,474,100.00
Southeast											
	402131	Angoon Low-Income Housing Pellet Heat - Closed	Angoon	35	R	Sealaska Corporation	240,592.00	240,592.00	51,592.00	60,013.31	240,592.00
	407074	Thayer lake Hydroelectric Project R4	Angoon	35	R	Sealaska Corporation	8,055,716.90	2,309,961.44	1,327,593.31	1,327,593.31	4,000,000.00
	402114	Craig Biomass Fuel Dryer Project R4 - CLOSED	Craig	35	R	Sealaska Corporation	350,000.00	350,000.00	250,000.00	262,989.06	350,000.00
	407015	Elfin Cove Hydroelectric Project-Closed	Elfin Cove	35	R	Sealaska Corporation	346,639.61	346,639.61	80,093.90	99,093.90	
	407024	Falls Cr Low Impact Hydro Assessment - Closed	Gustavus	33	Q	Sealaska Corporation	50,000.00	50,000.00	25,000.00	25,000.00	
	407045	Falls Creek Hydroelectric Construction-Closed	Gustavus	33	Q	Sealaska Corporation	750,000.00	750,000.00	-	-	750,000.00
	407081	Schubee Lake Hydroelectric Project R4 - Closed	Haines Borough			Sealaska Corporation	74,191.47	74,191.47	18,935.06	18,935.06	160,000.00
	407083	Haines Excursion Inlet Hydro Project R4 - Closed	Haines Borough			Sealaska Corporation	78,384.40	78,384.40	8,418.43	8,418.43	317,130.00
	402034	Haines Ctrl Wood Heating Sys Constr(LHP)-Closed	Haines Borough			Sealaska Corporation	188,620.00	188,620.00	36,500.00	36,500.00	288,222.00
	402036	Haines Borough Municipal Buildings Biomass CLOSED	Haines Borough			Sealaska Corporation	409,331.18	409,331.18	122,139.21	122,139.21	120,500.00
	407079	Connelly Lake Hydroelectric Project R4-Closed	Haines Borough			Sealaska Corporation	468,000.00	468,000.00	118,844.37	118,844.37	1,040,000.00
	402133	Hoonah Biomass District Heating Loop-Closed	Hoonah	35	R	Sealaska Corporation	40,000.00	40,000.00	10,000.00	10,365.00	45,000.00
	403053	Hoonah Heat Recovery Project R4-Closed	Hoonah	35	R	Sealaska Corporation	472,963.89	472,963.89	-	-	475,000.00
	407070	Hoonah - IPEC Hydro Project R3-Closed	Hoonah	35	R	Sealaska Corporation	850,000.00	850,000.00	450,000.00	450,000.00	4,000,000.00
	407100	Gartina Falls Hydroelectric Project - Closed	Hoonah	35	R	Sealaska Corporation	6,694,000.00	6,694,000.00	-	-	6,694,000.00
	402135	Hydaburg Schools Wood Fired Boiler-CLOSED	Hydaburg	36	R	Sealaska Corporation	620,977.00	620,977.00	56,573.95	56,573.95	620,977.00
	406008	Juneau Airport Ground Source Heat Pump - Closed	Juneau	33;34	Q	Sealaska Corporation	513,000.00	513,000.00	513,000.00	513,000.00	
	406009	Juneau Ground Source Heat Pump Constr(Aq Ctr)-Cld	Juneau	33;34	Q	Sealaska Corporation	1,450,000.00	1,450,000.00	500,000.00	500,000.00	1,450,000.00
	409030	Snettisham Trans Ln Avalanche Mitigation R4-Closed	Juneau	33;34	Q	Sealaska Corporation	2,000,000.00	2,000,000.00	500,000.00	500,000.00	3,215,680.00
	402124	Kake Community Energy	Kake	35	R	Sealaska Corporation	175,000.00	175,000.00	15,345.00	15,345.00	208,073.00
	409019	Kake-Petersburg Intertie-Closed	Kake	35	R	Sealaska Corporation	1,538,846.79	1,538,846.79	-	-	2,990,000.00
	407104	Gunnuk Creek Hydroelectric Project	Kake	35	R	Sealaska Corporation	4,000,000.00	4,000,000.00	3,007,449.00	4,857,203.57	275,000.00
	402129	Ketchikan Gateway Borough Biomass Heating-CLOSED	Ketchikan Gateway Borough			Sealaska Corporation	620,000.00	620,000.00	117,929.00	117,929.00	1,412,889.00



# RENEWABLE ENERGY PROJECTS BY ENERGY REGION (2008-Present)

Project Posting Dates 7/1/2000..3/31/21

Energy Region	PJ Code	AEA Project Name	Community Name	House District	Senate District	Native Corporation	Renewable Energy Fund		Community Contributions		Original Request
							Budget	Spent	Budget	Spent	Original Grant Request Amount
	407046	Whitman Lake Hydroelectric Project-Closed	Ketchikan Gateway Borough			Sealaska Corporation	2,000,000.00	2,000,000.00	17,820,000.00	18,253,205.24	1,300,000.00
	407085	Triangle Lake Hydroelectric Project R4-Clsd	Metlakatla	36	R	Sealaska Corporation	500,000.00	500,000.00	-	-	500,000.00
	409020	Metlakatla-Ketchikan Intertie R1, R4	Metlakatla	36	R	Sealaska Corporation	2,000,000.00	1,624,603.79	160,833.00	64,561.51	7,152,000.00
	402136	Lepquinum Center Ground Source Heat Pump-Closed	Metlakatla	36	R	Sealaska Corporation	3,445,040.00	3,445,040.00	34,450.00	34,450.00	3,445,040.00
	407076	Pelican Hydroelectric Upgrade Project R4 - Closed	Pelican	35	R	Sealaska Corporation	1,893,253.19	1,893,253.19	-	-	1,896,836.00
	409018	North Prince of Wales Island Intertie Prj-Closed	Prince of Wales Island			Sealaska Corporation	3,217,369.34	3,217,369.34	-	-	
	407032	Hillangaay (Reynolds Creek) Hydro Project-CLOSED	Prince of Wales Island			Sealaska Corporation	4,000,000.00	4,000,000.00	646,886.63	646,886.63	10,500,000.00
	406017	Sitka Wastewater Treatment Plant Feas R4 Closed	Sitka	35	R	Sealaska Corporation	16,699.14	16,699.14	2,376.48	2,376.48	20,000.00
	406016	Sitka Centennial Hall&Library Feas/HeatPump-Closed	Sitka	35	R	Sealaska Corporation	262,600.00	262,600.00	4,626.81	4,626.81	30,000.00
	407049	Takatz Lake Hydroelectric Feasibility-Closed	Sitka	35	R	Sealaska Corporation	1,919,069.04	1,919,069.04	231,768.00	231,768.00	2,000,000.00
	407088	Sitka Blue Lake Hydroelectric Project-Closed	Sitka	35	R	Sealaska Corporation	4,000,000.00	4,000,000.00	89,355,487.00	90,312,930.71	4,000,000.00
	407048	Burro Creek Hydro Feasibility Study - Closed	Skagway	33	Q	Sealaska Corporation	48,000.00	48,000.00	12,000.00	12,658.65	48,000.00
	407047	Ruth Lake Hydro Reconnaissance - Closed	Southeast Alaska			Sealaska Corporation	155,702.27	155,702.27	44,556.27	44,246.73	160,000.00
	402132	Southeast Island School District Wood Boilers-Clsd	Southeast Alaska			Sealaska Corporation	832,635.00	832,635.00	107,708.00	107,708.00	832,635.00
	406018	Tenakee Inlet Geothermal Resource Study R4-Closed	Tenakee Springs	35	R	Sealaska Corporation	568,729.62	568,729.62	-	-	2,579,200.00
	407014	Indian River Hydroelectric Project - Closed	Tenakee Springs	35	R	Sealaska Corporation	3,191,000.00	3,191,000.00	67,799.66	78,117.26	
	402044	Thorne Bay School Wood Fired Boiler-Biomass-Close	Thorne Bay	35	R	Sealaska Corporation	414,686.12	414,686.12	102,000.00	102,000.00	178,179.00
	407057	Neck Lake Hydro Feas&Const Design R2&R3-Closed	Whale Pass	35	R	Sealaska Corporation	22,474.73	22,474.73	-	-	1,952,000.00
	407086	Wrangell Electric Vehicle Feasibility Study-Closed	Wrangell	36	R	Sealaska Corporation	25,000.00	25,000.00	428.48	428.48	112,500.00
	407055	Wrangell Hydro Based Electric Boiler Const.-Closed	Wrangell	36	R	Sealaska Corporation	1,862,387.13	1,862,387.13	76,357.87	76,357.87	3,260,000.00
	402035	Yakutat Biomass Feas. & District HeatingLoop-Clsd	Yakutat	32	P	Sealaska Corporation	249,600.00	249,600.00	6,621.76	6,621.76	3,393,600.00
<b>SoutheastTotal</b>							<b>60,610,508.82</b>	<b>54,489,357.15</b>	<b>127,216,859.44</b>	<b>130,410,622.01</b>	<b>72,013,053.00</b>
<b>Yukon-Koyukuk/Upper Tanana</b>											
	402041	Chalkyitsik Biomass Central Heating CDR - Closed	Chalkyitsik	6	C	Doyon, Limited	32,500.00	32,500.00	9,103.00	9,103.00	88,500.00
	411008	Eagle Solar Array Project R6-Closed	Eagle	6	C	Doyon, Limited	118,013.00	118,013.00	60,799.11	60,799.11	132,600.00
	402040	Fort Yukon Central Wood Heating Design-Closed	Fort Yukon	6	C	Doyon, Limited	210,000.00	210,000.00	140,656.47	140,656.47	2,945,991.00
	402047	District Wood Heating in Fort Yukon R3 - Closed	Fort Yukon	6	C	Doyon, Limited	2,318,255.00	2,318,255.00	1,291,135.72	1,291,135.72	2,318,255.00
	402112	Louden Tribal Council RE Feasibility Study -Closed	Galena	39	T	Doyon, Limited	89,628.04	89,628.04	-	-	100,000.00
	402125	Galena Community Wood Heat Project-CLOSED	Galena	39	T	Doyon, Limited	3,414,688.00	3,414,688.00	107,562.24	107,562.24	2,787,719.00
	402119	Huslia Water System & Clinic Wood Boiler - Closed	Huslia	39	T	Doyon, Limited	49,843.06	49,843.06	22,470.00	22,470.00	398,331.00
	402045	Biomass Hydronic Heating-Yukon Koyukuk Schl Closed	Interior Alaska			Doyon, Limited	12,710.00	12,710.00	4,457.00	4,457.00	288,500.00
	402126	Biomass Feas. Studies Public Fac. Interior-Closed	Interior Alaska			Doyon, Limited	102,431.85	102,431.85	-	-	168,959.00
	402049	Upper Tanana Biomass CHP Project R4, R6-CLOSED	Interior Alaska			Doyon, Limited	362,882.62	362,882.62	42,619.60	42,619.60	380,000.00
	402113	Feasibility Assess. Wood Heating Interior AK-Clsd	Interior Alaska			Doyon, Limited	1,313,382.20	1,313,382.20	174,937.86	174,937.86	154,477.00
	411006	Kaltag Solar Construction - Closed	Kaltag	39	T	Doyon, Limited	90,000.00	90,000.00	10,000.00	10,000.00	90,000.00
	406006	Manley Hot Springs Geothermal Plant -Closed	Manley Hot Springs	6	C	Doyon, Limited	27,876.00	27,876.00	705,000.00	91,407.00	
	402043	McGrath Biomass Feasibility-Biomass-Closed	McGrath	37	S	Doyon, Limited	25,736.49	25,736.49	6,841.35	6,841.35	34,740.00
	402039	McGrath Central Wood Heating Dev Phase III-CLOSED	McGrath	37	S	Doyon, Limited	131,719.00	131,719.00	15,000.00	15,000.00	3,052,000.00
	403030	McGrath Heat Recovery Construction-Closed	McGrath	37	S	Doyon, Limited	712,415.00	712,415.00	167,143.98	167,143.98	824,815.00
	402128	Minto Community Buildings Biomass Project-Closed	Minto	6	C	Doyon, Limited	274,800.00	274,800.00	35,823.44	35,823.44	274,750.00
	407050	Ruby Hydrokinetic Construction - Closed	Ruby	39	T	Doyon, Limited	189,335.06	189,335.06	6,600.00	6,600.00	446,950.00
	402118	Tanacross Woody Biomass Comm. Space Heating-Clsd	Tanacross	6	C	Doyon, Limited	420,000.00	420,000.00	170,000.00	171,348.43	420,000.00
	402048	City Tribe Biomass Energy Conservation R3-Closed	Tanana	6	C	Doyon, Limited	412,641.32	412,641.32	95,723.00	95,723.00	492,642.00
	410057	Tok Wind Resource Assessment-Closed	Tok	6	C	Doyon, Limited	52,232.28	52,232.28	-	-	8,100,000.00
	402038	Tok Wood Heating Construction -Biomass- Closed	Tok	6	C	Doyon, Limited	3,245,349.00	3,245,349.00	15,000.00	15,000.00	3,245,349.00
	407056	Kiseralik/Chikuminuk Hydro-Closed	Upper Kuskokwim			Doyon, Limited	229,952.00	229,952.00	-	-	250,000.00
	402042	Venetie District Heat Conceptual Design- Closed	Venetie	6	C	Doyon, Limited	32,500.00	32,500.00	8,309.09	8,309.09	88,500.00
	403076	Venetie Clinic Heat Recovery-Closed	Venetie	6	C	Doyon, Limited	197,942.41	197,942.41	5,954.00	5,954.00	198,474.00
<b>Yukon-Koyukuk/Upper TananaTotal</b>							<b>14,066,832.33</b>	<b>14,066,832.33</b>	<b>4,531,611.20</b>	<b>4,235,345.57</b>	<b>27,281,552.00</b>
<b>Report Total</b>							<b>253,803,815.79</b>	<b>242,183,072.15</b>	<b>281,726,486.98</b>	<b>306,100,389.43</b>	<b>427,740,415.00</b>

253,803,815.79    242,183,072.15    \$ 427,740,415.00

RENEWABLE ENERGY PROJECTS BY ENERGY REGION (2008-Present)

Project Posting Dates 7/1/2000..3/31/21

Energy Region	PJ Code	AEA Project Name	Community Name	House District	Senate District	Native Corporation	Renewable Energy Fund		Community Contributions		Original Request
							Budget	Spent	Budget	Spent	Original Grant Request Amount