

JANUARY 25, 2013

ALASKA RENEWABLE ENERGY FUND STATUS REPORT



EXECUTIVE SUMMARY

Introduction

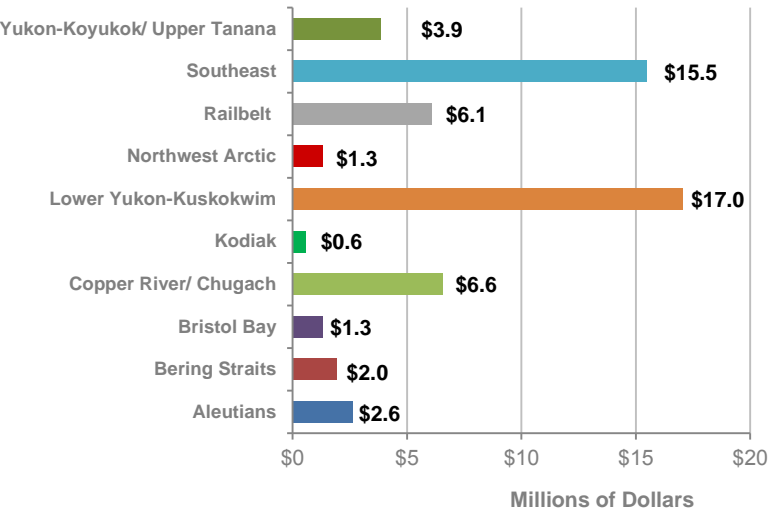
The Alaska Renewable Energy Fund (REF), established by the Alaska State Legislature in 2008, and extended 10 years in 2012, provides tremendous benefits to Alaskans by assisting communities across the state to reduce and stabilize their cost of energy.

Implemented by the Alaska Energy Authority (AEA), the Renewable Energy Fund provides public funding for the development of qualifying and competitively selected renewable energy projects in Alaska. The program’s ultimate goal is to produce cost-effective renewable energy for heat and power to benefit Alaskans statewide. As the program matures, the quality of the proposed projects continues to rise as does the knowledge base regarding implementing renewable energy in Alaska’s diverse climates, geographies and cultures.

This executive summary provides a brief update on the projects funded to date, and the performance and savings that have been achieved. A full report on the recommended projects for Round VI, more detailed status reports for all funded projects, and additional background information is available on AEA’s website, www.akenergyauthority.org.

Round VI Recommended Projects

Figure 1. Recommended Projects by Region



AEA recommends 60 projects out of 85 applications for Round VI funding, totaling \$56.8M. Figures 1 and 2 indicate the recommended funding by region and by energy source. The recommendation process involves four stages of review and scoring, including technical feasibility by AEA subject matter experts, an economic review by economists, and a review by the Department of Natural Resources. The ranked recommendations list and review details are provided to the Legislature for a funding determination.

Attached to this executive summary are the recommendations lists and maps of project locations. These documents and more detailed review comments, scoring, and economic reviews are available on AEA’s web site.

Figure 2. Recommended Projects by Resource Type

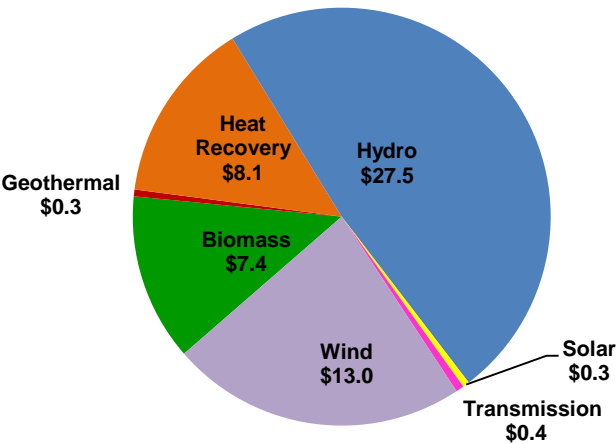


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Progress: Round I – V Grants

Table 1 provides statistics on the number of applications received, grants issued, current grant status and financial information. Of the 228 applications funded, 62% are active, 22% completed, 5% cancelled or combined with other grants, and 11% not yet issued. Of those not yet issued, 16 are awaiting grantee action and 10 are awaiting completion of a previous phase of work prior to grant issuance.

Figure 3 shows scheduled project completion by phase. The projected numbers are based on the current grant end date. Many feasibility grants lead to final design grants and construction grants in subsequent years. 95 of the 202 grants issued to date have two or more grants for different phases of the same project. The REF program encourages this multi-phased approach to ensure maximal renewable energy generation per dollar of public funds invested. By using a small amount of money to thoroughly assess the feasibility of a project prior to spending more on final design and construction, AEA is better able to ensure that projects reaching the construction phase are successful and cost effective. Many of the grants already in place are providing a pipeline for successful construction projects in the future.

Figure 3. Scheduled Grant Completion, RE Fund Rounds I-V *Based on current grant end date*

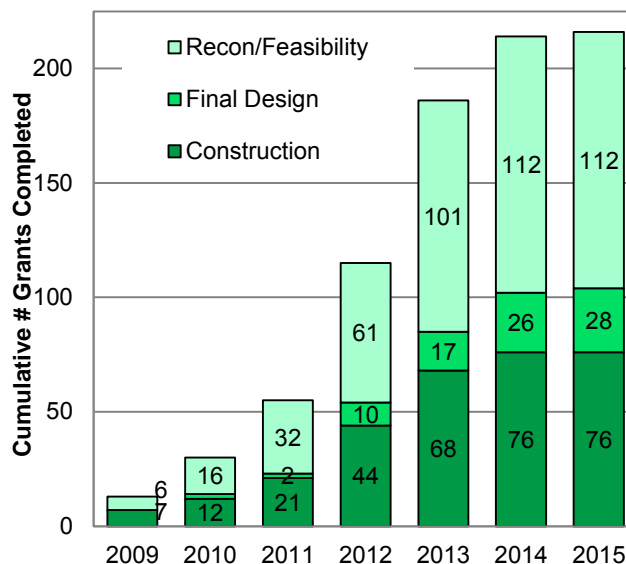


Table 1. Renewable Energy Fund Grant and Funding Summary, as of January 22, 2013

	Round I	Round II	Round III	Round IV	Round V	Round VI	Totals
Applications Received	115	118	123	108	97	85	646
Applications Funded	80 ¹	30	25	74	19	TBD	228
Grants Currently in Place	39	18	17	60	7	0	141
Grants Completed and Closed	36	10	3	1	0	0	50
Grants Cancelled or Combined	5	2	4	0	0	0	11
Grants Unissued to Date ²	0	0	1	13	12	0	26
Amount Requested ³ (\$M)	\$ 453.8	\$ 293.4	\$ 223.5	\$ 123.1	\$ 132.9	\$ 122.6	\$ 1,349.3
AEA Recommended (\$M)	\$ 100.0	\$ 36.8	\$ 65.8	\$ 36.6	\$ 43.2	\$ 56.8	\$ 339.2
Appropriated (\$M)	\$ 100.0	\$ 25.0	\$ 25.0	\$ 26.6	\$ 25.9	TBD	\$ 202.5
Cash Disbursed (\$M)	\$ 64.6	\$ 18.2	\$ 11.6	\$ 12.9	\$ 7.8	0	\$ 115.1
Match Provided (\$M) ⁴	\$ 20.7	\$ 22.6	\$ 10.5	\$ 34.6	\$ 8.2	TBD	\$ 96.6
Other Known Funding (\$M) ^{4, 5}	\$ 9.2	\$ 1.6	\$ 0.8	\$ 14.5	\$ 0	TBD	\$ 26.1

1. Includes eleven projects from an earlier solicitation issued by AEA.
2. Grants unissued are due mostly to grantee conditions requiring completion of earlier phases of work, or awaiting grantee action.
3. Total grant amount requested by all applicants.
4. These totals are for awarded grants only.
5. Represents only amounts recorded in the grant document and does not capture all other funding sources.

Performance & Savings

An independent evaluation of the Renewable Energy Fund program identified a lifetime benefit to Alaska of just over \$1 billion achieved from a total cost of \$508M for a net benefit of \$501M. These benefits and costs are based on the actual and projected costs and benefits from the first 62 projects to be funded for construction. The State's investment in these projects was \$112M through the Renewable Energy Fund and an additional \$23M in other legislative appropriations for a total state investment of \$135M to achieve \$1.01B in benefits. Figure 4 includes all costs associated with these construction projects: state, private investment, and other funding.

Figure 5 depicts the annual fuel savings from projects that were in operation on or before September 2012 (actuals), and a projection of energy savings for the next three years. The significant jump between 2012 and 2013 results primarily from the addition of two major wind projects, Eva Creek in the Railbelt, and Pillar Mountain on Kodiak Island, which began generating power at the end of 2012, and the Anchorage Landfill Gas Waste to Energy Plant, which will begin operations January, 2013. The Anchorage landfill project is expected to generate more than 56,000 megawatt hours or 26.2 percent of Joint Base Elmendorf and Ft. Richardson's electrical load and accounts for the significant increase in projected diesel displacement in the biomass category.

Table 2 (following page) shows the Alaska Renewable Energy Fund is saving nearly 2M gallons of diesel equivalent per year for Alaska communities, with a large increase in fuel savings expected in 2013 and beyond. In-depth analysis of the performance of Renewable Energy Fund projects can be found in the *Renewable Energy Grant Recommendation Program Impact Evaluation Report*, on the AEA web site www.akenergyauthority.org.

Figure 4. 2011 Construction Portfolio Benefits and Costs *Source: VEIC Impact Evaluation*

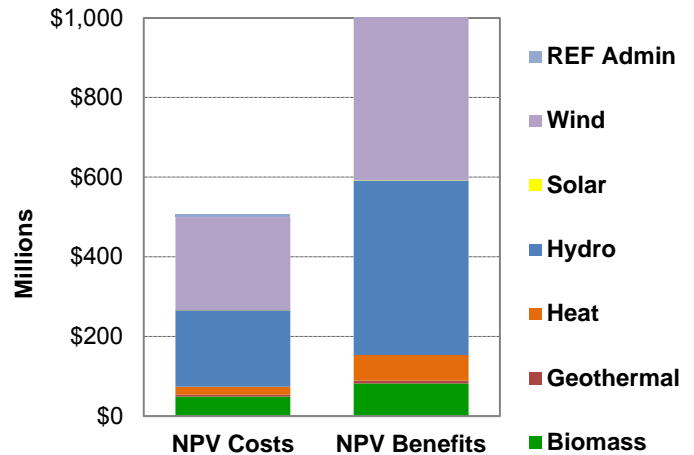


Figure 5. Annual Fuel Savings by Energy Type – Actual and Projected 2009 – 2015

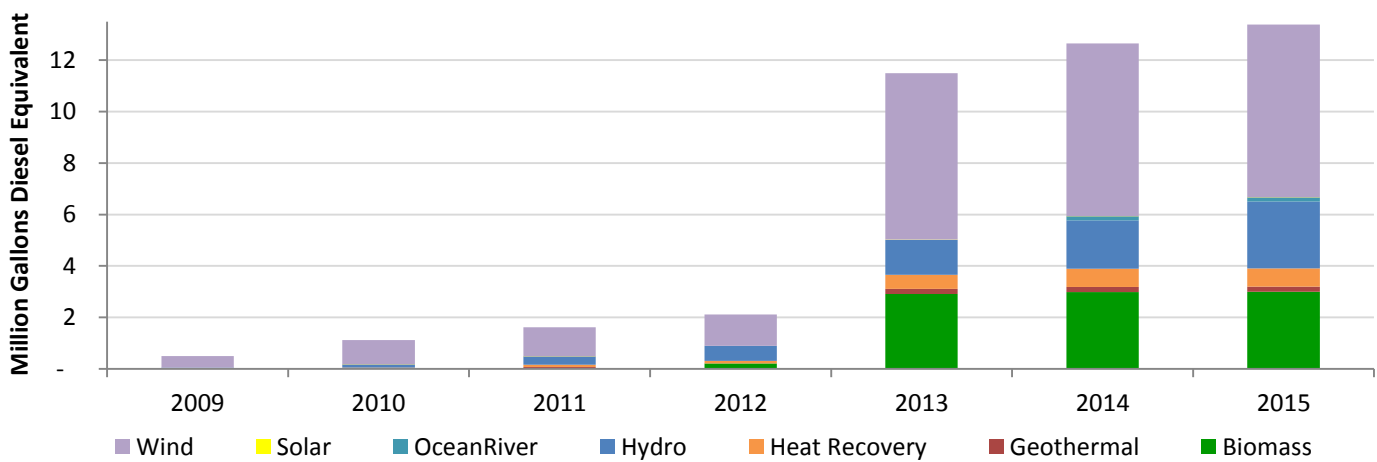


Table 2. Performance of Renewable Energy Fund projects in operation during the period 2009 – 2011 and January – September, 2012 (PRELIMINARY)

Grantee	Project Name	Operation Start Date	2009				2010				2011				PRELIMINARY—9 Months ¹ 2012 (Jan – Sep)				TOTAL			
			Energy Production		Fuel Displaced		Energy Production		Fuel Displaced		Energy Production		Fuel Displaced		Energy Production		Fuel Displaced		Energy Production		Fuel Displaced	
			Electrical (MWh)	Thermal (MMBtu)	Diesel (Gal) (x1000)	Value (\$) (x1000)	Electrical (MWh)	Thermal (MMBtu)	Diesel (Gal) (x1000)	Value (\$) (x1000)	Electrical (MWh)	Thermal (MMBtu)	Diesel (Gal) (x1000)	Value (\$) (x1000)	Electrical (MWh)	Thermal (MMBtu)	Diesel (Gal) (x1000)	Value (\$) (x1000)	Electrical (MWh)	Thermal (MMBtu)	Diesel (Gal) (x1000)	Value (\$) (x1000)
Alaska Environmental Power	Delta Area Wind Turbines	Sep-10	62	-	3.1	5.0	527	-	26.3	52.1	1,641	-	95.9	256.1	925	-	57.0	120.3	3,155	-	182.3	433.5
Alaska Gateway School Dist	Tok School Wood Heating	Nov-10	-	-	-	-	-	1,418	15.0	51.0	-	3,217	24.4	92.0	-	6,124	55.2	3,311.7	-	10,759	94.6	3,454.70
Alaska Power & Telephone	North Prince of Wales Island Intertie	Sep-11	-	-	-	-	-	-	-	-	311	-	16.4	67.0	211	-	15.9	60.7	522	-	32.3	127.7
Alaska Village Electric Coop	Emmonak/Alakanuk Wind and Intertie	Sep-11	-	-	-	-	-	-	-	-	63	-	4.5	17.7	324	-	24.0	96.5	387	-	28.5	114.2
Alaska Village Electric Coop	Mekoryuk Wind	Nov-10	-	-	-	-	4	-	0.3	0.8	239	-	13.7	49.5	130	-	9.5	38.2	369	-	23.2	88.5
Alaska Village Electric Coop	Quinhagak Wind	Nov-10	-	-	-	-	72	-	5.0	14.4	409	-	28.9	105.6	315	-	22.3	96.7	796	-	56.2	216.7
Alaska Village Electric Coop	Toksook Wind ²	Aug-09	-	-	-	-	135	-	9.9	44.9	560	-	37.7	129.1	412	-	30.2	124.2	976	-	68.2	298.2
Aleutian Wind Energy	Sand Point Wind	Aug-11	-	-	-	-	-	-	-	-	196	-	14.3	64.9	755	-	58.0	266.5	1,086	-	82.2	331.4
City and Borough of Juneau	Juneau Airport Grd Source Heat Pump ³	May-11	-	-	-	-	-	-	-	-	-	5,117	37.1	130.5	-	5,100	37.0	130.0	-	10,217	74.1	260.5
City & Borough of Wrangell	Wrangell Hydro Based Electric Boilers	Feb-11	-	-	-	-	-	-	-	-	-	6,889	66.0	230.3	-	5,627	50.7	207.4	-	12,516	116.7	437.7
Cordova Electric Coop	Humpback Creek Hydroelectric	Jul-11	-	-	-	-	-	-	-	-	1,563	-	114.9	410.3	3,113	-	231.8	906.0	4,676	-	346.7	1,316.30
Delta/Greely School District	Delta Junction Wood Chip Heating	Sep-11	-	-	-	-	-	-	-	-	-	-	-	-	-	2,765	24.9	97.2	-	2,765	24.9	97.2
Golden Valley Electric Assoc	McKinley Village Solar Thermal	Jun-10	-	-	-	-	-	61	0.5	1.5	-	134	1.8	7.1	-	-	1.9	7.6	-	195	4.2	16.2
Golden Valley Electric Assoc	North Pole Heat Recovery	Nov-09	-	-	-	-	-	997	11.7	23.1	-	5,249	61.5	171.5	-	2,195	21.5	59.4	-	8,441	94.7	254.0
Gulkana Village Council	Gulkana Central Wood Heating	Oct-10	-	-	-	-	-	280	3.0	10.9	-	780	5.9	23.5	-	780	7.0	28.9	-	1,840	15.9	63.3
Gustavus Electric Co	Falls Creek Hydroelectric	Jul-09	797	-	54.1	154.1	1,868	-	126.6	379.9	1,933	-	138.1	483.3	1,476	-	112.4	481.8	6,074	-	431.2	1,499.1
Kodiak Electric Assoc	Pillar Mountain Wind	Sep-10	6,164	-	434.1	1,406.5	12,288	-	865.4	2,972.7	12,448	-	870.7	2,873.3	8,770	-	617.7	2,290.7	39,670	-	2,787.9	9,543.2
McGrath Light & Power	McGrath Heat Recovery	May-10	-	-	-	-	-	1,162	12.3	45.6	-	2,896	23.0	156.7	-	1,482	13.4	51.6	-	5,540	48.7	253.9
Native Village of Eyak	Cordova Wood Processing Plant	Dec-11	-	-	-	-	-	720	7.6	28.1	-	1,500	11.4	42.0	-	40	0.4	1.7	-	2,260	19.4	71.8
Nome Joint Utility Systems	Nome Banner Peak Wind Intertie	Oct- 10	279	-	7.6	58.3	1,111	-	70.2	188.8	955	-	53.9	151.6	653	-	38.9	122.2	2,998	-	170.6	520.9
Puvurnaq Power Co	Kongiganak Wind	Dec-10	-	-	-	-	-	-	-	-	88	-	6.6	30.1	124	-	10.0	45.5	212	-	16.6	75.6
Unalakleet Valley Electric Co	Unalakleet Wind	Dec-09	80	-	6.2	22.2	649	-	47.1	116.3	958	-	58.2	211.2	585	-	39.4	122.1	2,272	-	150.9	471.8
TOTAL			7,382	0	505.1	1646.1	16,654	4,638	1,200.9	3,930.0	21,364	25,782	1,684.9	5,703.3	17,793	24,113	1,479.1	8,666.9	63,193	54,533	4,870.0	19,946.4

Seven additional projects were in operation during 2012 that were not listed here due to the following reasons:

- Started generating energy during fourth quarter 2012 (Eva Creek Wind, Golden Valley Electric Assn; Haines Central Wood Heating System, Chilkoot Indian Assoc.; Shaktoolik Wind Construction, Alaska Village Electric Cooperative; Thorne Bay School Wood Fired Boiler Project, Southeast Island School District)
- Grantee did not report performance data (Alaska Sealife Center Ph II Seawater Heat Pump Project, City of Seward; Biomass-fired Organic Rankine Cycle System, Chena Power, LLC; Juneau Ground Source Heat Pump (Dimond Aquatic Center), City and Borough of Juneau.)

1) The 2012 data covers the period January – September only. All other years are 12 month periods. All data in this report is preliminary. The finalized version is expected in Spring, 2013.
2) The REF funded only 1 of 4 wind turbines in Toksook. This data represents only the portion covered by the REF grant.
3) 2012 performance data was not available. The table uses rounded 2011 data to approximate 2012 data.

Partial support for this report and renewable energy fund project database developed by the Institute of Social and Economic Research, University of Alaska Anchorage is from a grant from the U.S. Department of Energy, EPSCoR project DE-PS02-09ER09-12, *Making Wind Work for Alaska: Supporting the Development of Sustainable, Resilient, Cost-Effective Wind-Diesel Systems for Isolated Communities* to the University of Alaska.

Alaska Renewable Energy Fund
Statewide Ranking and Funding Allocation - Round 6
January 18, 2013



Count	Energy Region	ID	Project Name	Applicant	Energy Source	Stage 2	Ben / Cost		Stage 3 Review Scores (max)							Stage 3	Stage 4	Cost Request			Development Phase			Recommendation			
						Tech Econ Feas Score	AEA B/C	Appl B/C	1. Cost of Energy (35)	2. Match (15)	3. Tech & Econ Feas (20)	4. Readiness (5)	5. Benefit (15)	6. Local Supt (5)	7. Sustain-ability (5)	Total Stage 3 Score (100)	State-wide Rank Post Stage 4	Project Cost	Grant Requested	Match Offered	Reconn/ Feasibility	Permitting /Final Design	Construct	Phase	Type	Funding	Cumulative
	Recommended for Funding (\$25 million total)																										
1	Southeast	978	Indian River Hydroelectric Project Construction	City of Tenakee Springs DBA Tenakee Springs	Hydro	80.50	1.57	1.70	30.16	9.00	16.10	3.00	11.00	5.00	5.00	79.26	1	\$3,674,000	\$2,988,000	\$332,000			\$2,988,000	Construction	Full SP	\$2,988,000	\$2,988,000
2	Bristol Bay	966	High-penetration Wind Energy Project- Kokhanok	Kokhanok Electric	Wind	74.00	5.68	9.77	35.00	5.25	14.80	4.83	12.25	2.00	3.50	77.63	2	\$190,000	\$185,000	\$5,000			\$185,000	Construction	Full	\$185,000	\$3,173,000
3	Bristol Bay	912	Egegik Wind Feasibility Study	Lake and Peninsula Borough	Wind	72.67	1.42	1.26	35.00	7.50	14.53	2.00	8.50	5.00	4.50	77.03	3	\$90,000	\$80,000	\$10,000	\$60,000			Recon	Partial	\$60,000	\$3,233,000
4	Bristol Bay	908	Tazimina Hydroelectric Project Capacity Increase	INN Electric Cooperative, Inc.	Hydro	91.67	10.97	13.07	26.01	9.75	18.33	4.33	12.38	0.00	4.17	74.97	4	\$2,600,000	\$160,000	\$30,000	\$160,000			Feasibility	Full	\$160,000	\$3,393,000
5	Southeast	922	Gartina Falls Hydroelectric Project	Inside Passage Electric Cooperative	Hydro	78.33	2.26	1.61	27.09	5.25	15.67	3.00	12.13	5.00	4.83	72.97	5	\$8,009,000	\$6,694,000	\$15,000			\$6,694,000	Construction	Full SP	\$6,694,000	\$10,087,000
6	Copper River/Chugach	982	Community Facilities Woody Biomass Space Heating Project	Mentasta Traditional Council	Biomass	82.00	1.76	2.08	29.38	8.25	16.40	3.00	12.63	0.00	3.00	72.65	6	\$510,000	\$460,000	\$50,000		\$88,000	\$372,000	DesignConstruction	Full SP	\$460,000	\$10,547,000
7	Bristol Bay	944	New Stuyahok Heat Recovery	Southwest Region School District	Heat Recovery	89.67	4.54	4.54	27.24	5.25	17.93	4.33	12.88	0.00	4.83	72.47	7	\$548,000	\$486,000	\$62,000		\$37,000	\$449,000	DesignConstruction	Full SP	\$486,000	\$11,033,000
8	Alutians	967	Cold Bay Waste Heat Recovery Project	G&K Electric Utility	Heat Recovery	82.33	1.58	1.58	31.34	5.25	16.47	2.00	10.50	2.00	4.50	72.05	8	\$114,765	\$109,765	\$5,000	\$30,000			Feasibility	Partial	\$30,000	\$11,063,000
9	Bering Straits	939	Stebbins Heat Recovery Project	Alaska Village Electric Cooperative, Inc.	Heat Recovery	87.33	3.38	4.28	24.35	6.00	17.47	3.17	12.75	4.00	2.83	70.57	9	\$1,341,063	\$1,319,088	\$21,975		\$120,179	\$1,198,909	DesignConstruction	Full SP	\$1,319,088	\$12,382,088
10	Yukon-Koyukok/Upper Tanana	927	Galena Community Wood Heat Project	City of Galena	Biomass	81.50	3.41	4.71	24.50	6.00	16.30	3.00	12.63	5.00	2.83	70.26	10	\$2,870,635	\$2,787,719	\$82,916		\$317,788		DesignConstruction	Partial	\$317,788	\$12,699,876
11	Bristol Bay	976	Knutson Creek Hydroelectric Project Design and Permitting	Pedro Bay Village Council	Hydro	47.83	2.04	2.14	35.00	5.25	9.57	2.50	11.88	4.00	2.00	70.19	11	\$3,400,000	\$290,000	\$2,500		\$290,000		Design	Full SP	\$290,000	\$12,989,876
12	Northwest Arctic	941	Heat Recovery for the Water Treatment Plant	City of Noorvik	Heat Recovery	78.83	1.65	2.25	27.00	6.00	15.77	3.00	10.88	2.00	4.67	69.31	12	\$985,808	\$985,805	\$29,580		\$74,592	\$911,213	DesignConstruction	Full SP	\$985,805	\$13,975,681
13	Lower Yukon-Kuskokwim	937	Heat Recovery for the Water Treatment Plant and Washeteria	Native Village of Kwinhagak	Heat Recovery	84.00	1.96	2.48	23.65	6.00	16.80	3.00	12.75	2.00	4.33	68.53	13	\$668,350	\$668,350	\$20,050		\$56,015	\$612,335	DesignConstruction	Full SP	\$668,350	\$14,644,031
14	Bristol Bay	911	Levelock Wind Reconnaissance Study	Lake and Peninsula Borough	Wind	67.00	1.17		30.63	6.00	13.40	4.67	4.50	5.00	4.00	68.19	14	\$10,000	\$10,000	\$1,000	\$10,000			Recon	Full	\$10,000	\$14,654,031
15	Yukon-Koyukok/Upper Tanana	915	Eagle Solar Array Project	Alaska Power Company (APC)	Solar	75.67	1.58	1.52	25.85	9.75	15.13	4.00	9.00	0.00	4.33	68.06	15	\$165,750	\$132,600	\$33,150			\$132,600	Construction	Full SP	\$132,600	\$14,786,631
16	Bering Straits	934	Savoonga Heat Recovery System - Power Plant to Water Plant	City of Savoonga	Heat Recovery	81.50	1.62	2.21	21.48	5.25	16.30	3.50	11.63	5.00	4.33	67.49	16	\$425,701	\$425,701	\$11,752			\$425,701	Construction	Full SP	\$425,701	\$15,212,332
17	Lower Yukon-Kuskokwim	940	Heat Recovery for the Water Treatment Plant & Community Store	City of Marshall	Heat Recovery	82.67	3.64	4.61	22.27	5.25	16.53	2.67	12.75	5.00	3.00	67.47	17	\$183,200	\$183,200	\$6,000		\$29,600	\$153,600	DesignConstruction	Full SP	\$183,200	\$15,395,532
18	Lower Yukon-Kuskokwim	935	Atmautluak Washeteria Heat Recovery Project	Atmautluak Traditional Council	Heat Recovery	73.67	1.10	1.49	30.63	5.25	14.73	4.00	6.00	2.00	4.00	66.61	18	\$360,500	\$350,000	\$10,500			\$350,000	Construction	Full SP	\$350,000	\$15,745,532
19	Alutians	929	Waterfall Creek Hydroelectric Project	City of King Cove	Hydro	80.00	2.16	2.11	11.60	12.75	16.00	3.00	12.00	5.00	5.00	65.35	19	\$4,300,000	\$2,600,000	\$1,300,000			\$2,600,000	Construction	Full SP	\$2,600,000	\$18,345,532
20	Southeast	917	Blue Lake Hydroelectric Expansion Project	City & Borough of Sitka (CBS)	Hydro	92.50	2.02	2.02	4.14	14.25	18.50	5.00	13.00	5.00	5.00	64.89	20	\$145,000,000	\$4,000,000	\$4,000,000			\$4,000,000	Construction	Full SP	\$4,000,000	\$22,345,532
21	Yukon-Koyukok/Upper Tanana	933	Biomass Feasibility Studies in Public Facilities, Interior Region ¹	Interior Regional Housing Authority	Biomass	76.50	1.43	1.05	28.96	0.00	15.30	2.00	9.63	5.00	1.50	62.39	21	\$168,959	\$168,959		\$168,959			Feasibility	Full	\$168,959	\$22,514,491
22	Yukon-Koyukok/Upper Tanana	925	Upper Tanana Biomass CHP Project ¹	Alaska Power & Telephone Company	Biomass	65.50	1.12	1.49	21.25	6.00	13.10	2.50	7.63	3.00	2.83	56.31	22	\$18,000,000	\$1,990,000	\$60,000		\$1,990,000		Design	Partial	\$400,000	\$22,914,491
23	Copper River/Chugach	930	Allison Creek Project ²	Copper Valley Electric Association, Inc.	Hydro	79.33	4.10	4.10	12.44	15.00	15.87	3.50	12.38	0.00	4.83	64.02	23	\$38,804,000	\$6,114,000				\$6,114,000	Construction	Full SP	\$2,085,509	\$25,000,000
	Subtotal		Count = 23															\$232,419,731	\$33,188,187	\$6,088,423	\$428,959	\$3,003,174	\$27,186,358			\$25,000,000	
	Recommended for Funding (\$50 million total)																										
23	Copper River/Chugach	930	Allison Creek Project ²	Copper Valley Electric Association, Inc.	Hydro	79.33	4.10	4.10	12.44	15.00	15.87	3.50	12.38	0.00	4.83	64.02	23	\$38,804,000	\$6,114,000				\$6,114,000	Construction	Full SP	\$4,028,491	\$29,028,491
24	Yukon-Koyukok/Upper Tanana	981	Tanana Solar Domestic Hot Water Heating Project	City of Tanana	Solar	57.33	0.53	0.92	31.23	12.00	11.47	2.17	0.38	2.00	4.00	63.24	24	\$81,700	\$81,700	\$50,000			\$81,700	Construction	Full SP	\$81,700	\$29,110,191
25	Railbelt	913	Stetson Creek Diversion/Cooper Lake Dam Facilities Project	Chugach Electric Association, Inc.	Hydro	94.00	5.23	0.58	6.23	15.00	18.80	5.00	13.00	0.00	5.00	63.03	25	\$23,808,913	\$3,453,920	\$17,343,267			\$3,453,920	Construction	Full	\$3,453,920	\$32,564,111
26	Lower Yukon-Kuskokwim	942	Heat Recovery for the Water Treatment Plant/Washeteria Building	Native Village of Tuntutuliak	Heat Recovery	71.50	1.22	1.57	28.44	5.25	14.30	3.00	7.13	2.00	2.17	62.28	26	\$438,585	\$425,811	\$12,774		\$41,884	\$383,927	DesignConstruction	Full SP	\$425,811	\$32,989,922
27	Bering Straits	948	Wales Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	62.00	1.04	1.33	28.10	6.00	12.40	3.33	3.75	5.00	3.50	62.09	27	\$1,020,000	\$190,000	\$10,000	\$75,000			Feasibility	Partial	\$75,000	\$33,064,922
28	Lower Yukon-Kuskokwim	936	Heat Recovery for the Water System	City of Chuathbaluk	Heat Recovery	59.67	0.71	0.92	35.00	5.25	11.93	3.00	1.00	2.00	2.67	60.85	28	\$199,863	\$199,863	\$5,996		\$21,218	\$178,645	DesignConstruction	Full SP	\$199,863	\$33,264,785
29	Lower Yukon-Kuskokwim	945	St. Mary's / Pitka's Point Wind Energy Project	Alaska Village Electric Cooperative, Inc.	Wind	61.67	1.19	1.15	21.88	9.00	12.33	3.50	4.50	5.00	3.67	59.88	29	\$6,153,991	\$5,538,592	\$615,399			\$5,538,592	Construction	Full SP	\$5,538,592	\$38,803,377
30	Southeast	983	Wood Heat Feasibility Study and Conceptual Design for Kake	Organized Village of Kake	Biomass	60.50	0.60	0.60	27.01	9.00	12.10	2.33	1.38	5.00	3.00	59.82	30		\$30,700	\$5,000	\$30,700			Feasibility	Full	\$30,700	\$38,834,077
31	Southeast	916	Hydaburg Schools Wood Fired Boiler Project	Hydaburg City Schools	Biomass	90.00	2.85	3.93	10.34	9.00	18.00	3.00	13.00	2.00	4.00	59.34	31	\$463,216	\$20,000	\$5,200		\$20,000		Design	Full	\$20,000	\$38,854,077
32	Railbelt	924	Seward Schools Biomass Heating System	Kenai Peninsula Borough School District																							

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Count	Energy Region	ID	Project Name	Applicant	Energy Source	Stage 2	Ben / Cost		Stage 3 Review Scores (max)							Stage 3	Stage 4	Cost Request			Development Phase			Recommendation			
						Tech Econ Feas Score	AEA B/C	Appl B/C	1. Cost of Energy (35)	2. Match (15)	3. Tech & Econ Feas (20)	4. Readiness (5)	5. Benefit (15)	6. Local Supt (5)	7. Sustainability (5)	Total Stage 3 Score (100)	State-wide Rank Post Stage 4	Project Cost	Grant Requested	Match Offered	Reconn/ Feasibility	Permitting /Final Design	Construct	Phase	Type	Funding	Cumulative
	Recommended for Funding (Third Rank up to \$56,846,066 total)																										
41	Lower Yukon-Kuskokwim	921	AVCP RHA Wood Biomass Heating System ³	AVCP Regional Housing Authority	Biomass	61.00	0.67	0.65	22.24	7.50	12.20	2.00	1.75	5.00	3.33	54.02	41	\$3,399,387	\$3,149,387	\$250,000		\$144,006	\$3,005,381	DesignConstruction	Full SP	\$862,618	\$50,862,618
42	Northwest Arctic	903	Northwest Arctic Borough Solar PV	Northwest Arctic Borough	Solar	74.17	1.21	1.21	18.25	0.00	14.83	5.00	5.88	5.00	5.00	53.96	42	\$75,000	\$75,000			\$75,000		DesignConstruction	Full	\$75,000	\$50,937,618
43	Lower Yukon-Kuskokwim	956	Goodnews Bay Wind Energy Feasibility and Conceptual Design	Alaska Village Electric Cooperative, Inc.	Wind	55.67	0.88	1.05	25.46	6.00	11.13	2.00	0.00	5.00	3.83	53.42	43	\$1,530,000	\$142,500	\$7,500	\$142,500			Feasibility	Full	\$142,500	\$51,080,118
44	Southeast	914	Connelly Lake Hydroelectric Project	Alaska Power & Telephone Company	Hydro	60.50	4.47	0.11	9.52	10.50	12.10	2.00	11.38	5.00	1.83	52.33	44	\$46,475,000	\$1,752,000	\$438,000	\$180,000			Feasibility	Partial	\$180,000	\$51,260,118
45	Bristol Bay	962	Manokotak Wind & Heat Feasibility Study	Manokotak Power Company	Wind	48.00	0.99	0.66	24.06	5.25	9.60	4.00	1.38	4.00	3.83	52.12	45	\$1,020,000	\$193,000	\$7,000	\$143,000			Feasibility	Partial	\$143,000	\$51,403,118
46	Bering Straits	957	Shishmaref Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	54.33	0.87	1.30	25.79	6.00	10.87	1.50	0.00	5.00	2.67	51.83	46	\$2,040,000	\$142,500	\$7,500	\$142,500			Feasibility	Full	\$142,500	\$51,545,618
47	Lower Yukon-Kuskokwim	954	St. Mary's / Mountain Village Wind Energy Intertie Final Design	Alaska Village Electric Cooperative, Inc.	Wind	45.00	0.78	0.69	24.94	6.75	9.00	2.50	0.00	5.00	3.50	51.69	47	\$7,449,000	\$332,500	\$17,500		\$332,500		Design	Full SP	\$332,500	\$51,878,118
48	Southeast	904	Dimond Park Library Geothermal HVAC System	City & Borough of Juneau	Geothermal	76.17	1.68	0.60	5.29	10.50	15.23	2.50	11.13	2.00	4.50	51.15	48	\$875,000	\$700,000	\$175,000		\$300,000		DesignConstruction	Partial SP	\$300,000	\$52,178,118
49	Railbelt	975	Juniper Creek Hydroelectric Project Feasibility Study	Ram Valley LLC	Hydro	60.00	1.48	1.55	6.23	11.25	12.00	4.83	8.13	4.00	3.00	49.43	49	\$4,300,000	\$127,900	\$44,800	\$30,000			Recon	Partial SP	\$30,000	\$52,208,118
50	Southeast	909	Mahoney Lake Hydroelectric Project: Phase III	City of Saxman	Hydro	49.33	3.08	8.67	4.46	14.25	9.87	1.50	11.75	5.00	1.17	48.00	50	\$51,100,000	\$1,000,000	\$100,000	\$500,000			Feasibility	Partial	\$500,000	\$52,708,118
51	Railbelt	959	Ticasuk Brown School Pellet Boiler Project-Phase 2	Fairbanks North Star Borough (FNSB)	Biomass	87.17	1.80	1.80	9.81	0.00	17.43	3.17	13.00	0.00	4.50	47.91	51	\$350,000	\$350,000			\$250,000		Construction	Partial	\$250,000	\$52,958,118
52	Yukon-Koyukok/Upper Tanana	926	AGSD District Heat Loop Project	Alaska Gateway School District	Heat Recovery	42.00	0.72	1.05	21.25	6.00	8.40	2.00	1.00	5.00	4.17	47.82	52	\$2,848,939	\$2,753,364	\$95,575		\$349,621	\$2,403,743	DesignConstruction	Full SP	\$2,753,364	\$55,711,482
53	Southeast	907	Petersburg Community Heating System Retrofit Feasibility Study	City of Petersburg	Biomass	63.83	1.59		4.46	9.00	12.77	1.17	9.75	5.00	4.50	46.65	53	\$51,360	\$41,360	\$10,000	\$41,360			ReconFeasibility	Full	\$41,360	\$55,752,842
54	Lower Yukon-Kuskokwim	947	Marshall Wind Energy Design and Permitting Project	Alaska Village Electric Cooperative, Inc.	Wind	42.67	0.79	0.85	22.27	6.75	8.53	2.50	0.00	4.00	2.50	46.55	54	\$2,509,850	\$332,500	\$17,500		\$332,500		Design	Full SP	\$332,500	\$56,085,342
55	Railbelt	902	Jack River Hydroelectric Project Feasibility Study	Native Village of Cantwell	Hydro	58.00	2.43	2.43	9.81	3.00	11.60	2.00	11.75	5.00	1.67	44.82	55	\$10,000,000	\$213,750	\$11,250	\$213,750			Feasibility	Full SP	\$213,750	\$56,299,092
56	Southeast	918	West Creek Hydroelectric Project	Municipality of Skagway Borough	Hydro	42.00	1.45	1.53	9.52	11.25	8.40	1.17	8.25	5.00	1.00	44.59	56	\$140,000,000	\$236,000	\$84,000	\$236,000			Feasibility	Full	\$236,000	\$56,535,092
57	Kodiak	901	Karluk Tribal Council – Wind Energy System	Karluk Tribal Council	Wind	28.17	0.43	0.48	26.25	0.00	5.63	4.00	0.38	5.00	2.67	43.93	57	\$1,300,000	\$81,000	\$300	\$70,000			FeasibilityDesign	Partial	\$70,000	\$56,605,092
58	Kodiak	923	Afognak Biomass Feasibility Study	Native Village of Afognak	Biomass	57.00	3.47	3.22	8.32	0.00	11.40	0.83	11.88	5.00	3.00	40.43	58	\$1,633,974	\$170,974		\$170,974			ReconFeasibility	Full SP	\$170,974	\$56,776,066
59	Railbelt	979	Waste-to-Energy Feasibility Study	Chugach Electric Association, Inc.	Biofuels	45.67	1.48	1.48	6.23	10.50	9.13	0.00	8.88	0.00	3.50	38.23	59		\$550,000	\$150,000	\$40,000			Feasibility	Partial	\$40,000	\$56,816,066
60	Railbelt	977	Carlo Creek Hydroelectric Project Reconnaissance Study	Native Village of Cantwell	Hydro	39.50	0.94	4.59	9.81	6.00	7.90	2.00	1.25	5.00	3.33	35.29	60	\$7,500,000	\$66,500	\$3,500	\$30,000			Recon	Partial	\$30,000	\$56,846,066
	Subtotal		Count = 19															\$284,457,510	\$12,410,235	\$1,419,425	\$1,940,084	\$1,533,627	\$5,659,124			\$6,846,066	
61	Northwest Arctic	946	Shungnak Solar Energy Construction Project	Alaska Village Electric Cooperative, Inc.	Solar		0.66	0.63										\$650,000	\$585,000	\$65,000				Construction	NotRecomnd		
62	Aleutians	961	Atka Wind Power Project	City of Atka	Wind														\$140,000	\$50,000				ReconFeasibility	NotRecomnd		
63	Bristol Bay	910	Igiugig Wind Turbine Design	Lake and Peninsula Borough	Wind		0.52	1.21										\$250,000	\$205,000	\$45,000				Design	NotRecomnd		
64	Aleutians	969	Nelson Lagoon Wind Energy Project	Nelson Lagoon Electric Cooperative	Wind		0.93	0.56											\$218,195	\$5,000				Design	NotRecomnd		
65	Southeast	938	Feasibility Study and Conceptual Design of Tenakee Inlet Geothermal R	Inside Passage Electric Cooperative	Geothermal		0.38	1.06										\$27,000,000	\$3,485,000					Feasibility	NotRecomnd		
66	Lower Yukon-Kuskokwim	970	Kipnuk Wind Diesel Power Generation and Heating	Kipnuk Light Plant	Wind		0.81	1.49										\$4,067,778	\$2,567,778	\$1,500,000				DesignConstruction	NotRecomnd		
67	Yukon-Koyukok/Upper Tanana	932	Design and Construction of Biomass Systems in Interior Villages	Interior Regional Housing Authority	Biomass		1.90	1.47										\$1,314,380	\$1,314,380	\$108,313				DesignConstruction	NotRecomnd		
68	Bering Straits	951	St. Michael/Stebbins Wind Energy Final Design and Permitting Project	Alaska Village Electric Cooperative, Inc.	Wind		1.64	1.76										\$5,000,000	\$332,500	\$17,500				Design	NotRecomnd		
69	Lower Yukon-Kuskokwim	950	Russian Mission Wind Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind		0.52	0.89										\$1,530,000	\$142,500	\$7,500				Feasibility	NotRecomnd		
70	Northwest Arctic	984	Noatak Wind Resource Assessment	Noatak IRA	Wind		0.98	1.53										\$2,000,000	\$181,000					FeasibilityDesign	NotRecomnd		
71	Bering Straits	973	Elim Geothermal Resource Assessment I Feasibility	City of Elim	Geothermal		0.28	0.39										\$10,000,000	\$527,908					Recon	NotRecomnd		
72	Aleutians	968	False Pass Wind Energy Project	City of False Pass Electric Utility	Wind		0.64	0.30										\$190,195	\$185,195	\$5,000				Design	NotRecomnd		
73	Railbelt	960	TidGen™ Array Project	ORPC Alaska 2, LLC	Other		-0.01	0.01										\$8,696,494	\$2,000,000	\$6,696,494				Construction	NotRecomnd		
74	Lower Yukon-Kuskokwim	972	Akiak Wind Resource Assessment	Akiak Native Community/ Akiak IRA Council	Wind		0.58	1.24										\$2,000,000	\$181,000					Feasibility	NotRecomnd		
75	Bristol Bay	980	Bristol Bay Borough School District Energy Project	Bristol Bay Borough School District	Solar		1.45	1.06										\$460,000	\$45,000	\$10,000				DesignConstruction	NotRecomnd		
76	Aleutians	963	Mount Makushin Geothermal Project	The Aleut Corporation	Geothermal		0.49	3.13										\$311,304,000	\$32,464,000	\$540,000				ReconFeasDesnConst	NotRecomnd		

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					Stage 2	Ben / Cost		Stage 3 Review Scores (max)							Stage 3	Stage 4	Cost Request			Development Phase				Recommendation			
Count	Energy Region	ID	Project Name	Applicant	Energy Source	Tech Econ Feas Score	AEA B/C	Appl B/C	1. Cost of Energy (35)	2. Match (15)	3. Tech & Econ Feas (20)	4. Readiness (5)	5. Benefit (15)	6. Local Supt (5)	7. Sustainability (5)	Total Stage 3 Score (100)	State-wide Rank Post Stage 4	Project Cost	Grant Requested	Match Offered	Reconn/ Feasibility	Permitting /Final Design	Construct	Phase	Type	Funding	Cumulative
1	Aleutians	967	Cold Bay Waste Heat Recovery Project	G&K Electric Utility	Heat Recovery	82.33	1.58	1.58	31.34	5.25	16.47	2.00	10.50	2.00	4.50	72.05	8	\$114,765	\$109,765	\$5,000	\$30,000			Feasibility	Partial	\$30,000	\$30,000
2	Aleutians	929	Waterfall Creek Hydroelectric Project	City of King Cove	Hydro	80.00	2.16	2.11	11.60	12.75	16.00	3.00	12.00	5.00	5.00	65.35	19	\$4,300,000	\$2,600,000	\$1,300,000			\$2,600,000	Construction	Full SP	\$2,600,000	\$2,630,000
3	Aleutians	961	Atka Wind Power Project	City of Atka	Wind													\$140,000	\$50,000					ReconFeasibility	Not Recomnd		
4	Aleutians	969	Nelson Lagoon Wind Energy Project	Nelson Lagoon Electric Cooperative	Wind		0.93	0.56										\$218,195	\$5,000					Design	Not Recomnd		
5	Aleutians	968	False Pass Wind Energy Project	City of False Pass Electric Utility	Wind		0.64	0.30										\$190,195	\$185,195	\$5,000				Design	Not Recomnd		
6	Aleutians	963	Mount Makushin Geothermal Project	The Aleut Corporation	Geothermal		0.49	3.13										\$311,304,000	\$32,464,000	\$540,000				ReconFeasibilityDesign	Not Recomnd		
	Aleutians Total																	\$315,908,960	\$35,717,155	\$1,905,000	\$30,000		\$2,600,000			\$2,630,000	
7	Bering Straits	939	Stebbins Heat Recovery Project	Alaska Village Electric Cooperative, Inc.	Heat Recovery	87.33	3.38	4.28	24.35	6.00	17.47	3.17	12.75	4.00	2.83	70.57	9	\$1,341,063	\$1,319,088	\$21,975		\$120,179	\$1,198,909	DesignConstruction	Full SP	\$1,319,088	\$1,319,088
8	Bering Straits	934	Savoonga Heat Recovery System - Power Plant to Water Plant	City of Savoonga	Heat Recovery	81.50	1.62	2.21	21.48	5.25	16.30	3.50	11.63	5.00	4.33	67.49	16	\$425,701	\$425,701	\$11,752			\$425,701	Construction	Full SP	\$425,701	\$1,744,789
9	Bering Straits	948	Wales Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	62.00	1.04	1.33	28.10	6.00	12.40	3.33	3.75	5.00	3.50	62.09	27	\$1,020,000	\$190,000	\$10,000	\$75,000			Feasibility	Partial	\$75,000	\$1,819,789
10	Bering Straits	957	Shishmaref Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	54.33	0.87	1.30	25.79	6.00	10.87	1.50	0.00	5.00	2.67	51.83	46	\$2,040,000	\$142,500	\$7,500	\$142,500			Feasibility	Full	\$142,500	\$1,962,289
11	Bering Straits	951	St. Michael/Stebbins Wind Energy Final Design and Permitting Project	Alaska Village Electric Cooperative, Inc.	Wind		1.64	1.76										\$5,000,000	\$332,500	\$17,500				Design	Not Recomnd		
12	Bering Straits	973	Elim Geothermal Resource Assessment I Feasibility	City of Elim	Geothermal		0.28	0.39										\$10,000,000	\$527,908					Recon	Not Recomnd		
	Bering Straits Total																	\$19,826,764	\$2,937,697	\$68,727	\$217,500	\$120,179	\$1,624,610			\$1,962,289	
13	Bristol Bay	966	High-penetration Wind Energy Project- Kokhanok	Kokhanok Electric	Wind	74.00	5.68	9.77	35.00	5.25	14.80	4.83	12.25	2.00	3.50	77.63	2	\$190,000	\$185,000	\$5,000			\$185,000	Construction	Full	\$185,000	\$185,000
14	Bristol Bay	912	Egegik Wind Feasibility Study	Lake and Peninsula Borough	Wind	72.67	1.42	1.26	35.00	7.50	14.53	2.00	8.50	5.00	4.50	77.03	3	\$90,000	\$80,000	\$10,000	\$60,000			Recon	Partial	\$60,000	\$245,000
15	Bristol Bay	908	Tazimina Hydroelectric Project Capacity Increase	INN Electric Cooperative, Inc.	Hydro	91.67	10.97	13.07	26.01	9.75	18.33	4.33	12.38	0.00	4.17	74.97	4	\$2,600,000	\$160,000	\$30,000	\$160,000			Feasibility	Full	\$160,000	\$405,000
16	Bristol Bay	944	New Stuyahok Heat Recovery	Southwest Region School District	Heat Recovery	89.67	4.54	4.54	27.24	5.25	17.93	4.33	12.88	0.00	4.83	72.47	7	\$548,000	\$486,000	\$62,000		\$37,000	\$449,000	DesignConstruction	Full SP	\$486,000	\$891,000
17	Bristol Bay	976	Knutson Creek Hydroelectric Project Design and Permitting	Pedro Bay Village Council	Hydro	47.83	2.04	2.14	35.00	5.25	9.57	2.50	11.88	4.00	2.00	70.19	11	\$3,400,000	\$290,000	\$2,500		\$290,000		Design	Full SP	\$290,000	\$1,181,000
18	Bristol Bay	911	Levelock Wind Reconnaissance Study	Lake and Peninsula Borough	Wind	67.00	1.17		30.63	6.00	13.40	4.67	4.50	5.00	4.00	68.19	14	\$10,000	\$10,000	\$1,000	\$10,000			Recon	Full	\$10,000	\$1,191,000
19	Bristol Bay	962	Manokotak Wind & Heat Feasibility Study	Manokotak Power Company	Wind	48.00	0.99	0.66	24.06	5.25	9.60	4.00	1.38	4.00	3.83	52.12	45	\$1,020,000	\$193,000	\$7,000	\$143,000			Feasibility	Partial	\$143,000	\$1,334,000
20	Bristol Bay	910	Igiugig Wind Turbine Design	Lake and Peninsula Borough	Wind		0.52	1.21										\$250,000	\$205,000	\$45,000				Design	Not Recomnd		
21	Bristol Bay	980	Bristol Bay Borough School District Energy Project	Bristol Bay Borough School District	Solar		1.45	1.06										\$460,000	\$45,000	\$10,000				DesignConstruction	Not Recomnd		
	Bristol Bay Total																	\$8,568,000	\$1,654,000	\$172,500	\$373,000	\$327,000	\$634,000			\$1,334,000	
22	Copper River/Chugach	982	Community Facilities Woody Biomass Space Heating Project	Mentasta Traditional Council	Biomass	82.00	1.76	2.08	29.38	8.25	16.40	3.00	12.63	0.00	3.00	72.65	6	\$510,000	\$460,000	\$50,000		\$88,000	\$372,000	DesignConstruction	Full SP	\$460,000	\$460,000
23	Copper River/Chugach	930	Allison Creek Project *	Copper Valley Electric Association, Inc.	Hydro	79.33	4.10	4.10	12.44	15.00	15.87	3.50	12.38	0.00	4.83	64.02	23	\$38,804,000	\$6,114,000				\$6,114,000	Construction	Full SP	\$2,085,509	\$2,545,509
23	Copper River/Chugach	930	Allison Creek Project *	Copper Valley Electric Association, Inc.	Hydro	79.33	4.10	4.10	12.44	15.00	15.87	3.50	12.38	0.00	4.83	64.02	23	\$38,804,000	\$6,114,000				\$6,114,000	Construction	Full SP	\$4,028,491	\$6,574,000
24	Copper River/Chugach	971	Eastern Copper Basin Geothermal Assessment	Copper Valley Development Association	Geothermal		0.68	0.00										\$0	\$695,950					Recon	Not Recomnd		
	Copper River/Chugach Total																	\$78,118,000	\$13,383,950	\$50,000		\$88,000	\$12,600,000			\$6,574,000	
25	Kodiak	928	Bathymetric survey & marine geological study to refine submarine cable	City of Ouzinkie	Transmission	62.50	1.04	1.04	18.12	9.75	12.50	3.00	4.88	5.00	4.67	57.91	33	\$6,129,000	\$356,400	\$25,000		\$356,400		Design	Full SP	\$356,400	\$356,400
26	Kodiak	901	Karluk Tribal Council – Wind Energy System	Karluk Tribal Council	Wind	28.17	0.43	0.48	26.25	0.00	5.63	4.00	0.38	5.00	2.67	43.93	57	\$1,300,000	\$81,000	\$300	\$70,000			FeasibilityDesign	Partial	\$70,000	\$426,400
27	Kodiak	923	Afognak Biomass Feasibility Study	Native Village of Afognak	Biomass	57.00	3.47	3.22	8.32	0.00	11.40	0.83	11.88	5.00	3.00	40.43	58	\$1,633,974	\$170,974		\$170,974			ReconFeasibility	Full SP	\$170,974	\$597,374
	Kodiak Total																	\$9,062,974	\$608,374	\$25,300	\$240,974	\$356,400				\$597,374	
28	Lower Yukon-Kuskokwim	937	Heat Recovery for the Water Treatment Plant and Washeteria	Native Village of Kwinhagak	Heat Recovery	84.00	1.96	2.48	23.65	6.00	16.80	3.00	12.75	2.00	4.33	68.53	13	\$668,350	\$668,350	\$20,050		\$56,015	\$612,335	DesignConstruction	Full SP	\$668,350	\$668,350
29	Lower Yukon-Kuskokwim	940	Heat Recovery for the Water Treatment Plant & Community Store	City of Marshall	Heat Recovery	82.67	3.64	4.61	22.27	5.25	16.53	2.67	12.75	5.00	3.00	67.47	17	\$183,200	\$183,200	\$6,000		\$29,600	\$153,600	DesignConstruction	Full SP	\$183,200	\$851,550
30	Lower Yukon-Kuskokwim	935	Atmautluak Washeteria Heat Recovery Project	Atmautluak Traditional Council	Heat Recovery	73.67	1.10	1.49	30.63	5.25	14.73	4.00	6.00	2.00	4.00	66.61	18	\$360,500	\$350,000	\$10,500			\$350,000	Construction	Full SP	\$350,000	\$1,201,550
31	Lower Yukon-Kuskokwim	942	Heat Recovery for the Water Treatment Plant/Washeteria Building	Native Village of Tuntutuliak	Heat Recovery	71.50	1.22	1.57	28.44	5.25	14.30	3.00	7.13	2.00	2.17	62.28	26	\$438,585	\$425,811	\$12,774		\$41,884	\$383,927	DesignConstruction	Full SP	\$425,811	\$1,627,361
32	Lower Yukon-Kuskokwim	936	Heat Recovery for the Water System	City of Chuathbaluk	Heat Recovery	59.67	0.71	0.92	35.00	5.25	11.93	3.00	1.00	2.00	2.67	60.85	28	\$199,863	\$199,863	\$5,996		\$21,218	\$178,645	DesignConstruction	Full SP	\$199,863	\$1,827,224
33	Lower Yukon-Kuskokwim	945	St. Mary's / Pitka's Point Wind Energy Project	Alaska Village Electric Cooperative, Inc.	Wind	61.67	1.19	1.15	21.88	9.00	12.33	3.50	4.50	5.00	3.67	59.88	29	\$6,153,991	\$5,538,592	\$615,399			\$5,538,592	Construction	Full SP	\$5,538,592	\$7,365,816
34	Lower Yukon-Kuskokwim	949	Kotlik Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	59.17	1.10	0.99	25.78	6.00	11.83	1.50	3.38	5.00	3.67	57.15	36	\$3,060,000	\$142,500	\$7,500	\$142,500			Feasibility	Full	\$142,500	\$7,508,316
35	Lower Yukon-Kuskokwim	955	St. Mary's / Pilot Station Wind Energy Intertie Construction Project	Alaska Village Electric Cooperative, Inc.	Wind	52.17	0.92	0.86	22.75	9.00	10.43	2.67	1.13	5.00	3.50	54.48	40	\$6,202,000	\$5,581,800	\$620,200			\$5,581,800	Construction	Full SP	\$5,581,800	\$13,090,116
36	Lower Yukon-Kuskokwim	921	AVCP RHA Wood Biomass Heating System**	AVCP Regional Housing Authority	Biomass	61.00	0.67	0.65	22.24	7.50	12.20	2.00	1.75	5.00	3.33	54.02	41	\$3,399,387	\$3,149,387	\$250,000		\$144,006	\$3,005,381	DesignConstruction	Full SP	\$2,286,769	\$15,376,885
36	Lower Yukon-Kuskokwim	921	AVCP RHA Wood Biomass Heating System**	AVCP Regional Housing Authority	Biomass	61.00	0.67	0.65	22.24	7.50	12.20	2.00	1.75	5.00	3.33	54.02	41	\$3,399,387	\$3,149,387	\$250,000		\$144,006	\$3,005,381	DesignConstruction	Full SP	\$862,618	\$16,239,503
37	Lower Yukon-Kuskokwim	956	Goodnews Bay Wind Energy Feasibility and Conceptual Design	Alaska Village Electric Cooperative, Inc.	Wind	55.67	0.88	1.05	25.46	6.00	11.13	2.00	0.00	5.00	3.83	53.42	43	\$1,530,000	\$142,500	\$7,500	\$142,500			Feasibility	Full	\$142,500	\$16,382,003
38	Lower Yukon-Kuskokwim	954	St. Mary's / Mountain Village Wind Energy Intertie Final Design	Alaska Village Electric Cooperative, Inc.	Wind	45.00	0.78	0.69	24.94	6.75	9.00	2.50	0.00	5.00	3.50	51.69	47	\$7,449,000	\$332,500	\$17,500		\$332,500		Design	Full SP	\$332,500	\$16,714,503
39	Lower Yukon-Kuskokwim	947	Marshall Wind Energy Design and Permitting Project	Alaska Village Electric Cooperative, Inc.	Wind	42.67	0.79	0.85	22.27	6.75	8.53	2.50	0.00	4.00	2.50	46.55	54	\$2,509,850	\$332,500	\$17,500		\$332,500		Design	Full SP	\$332,500	\$17,047,003
40	Lower Yukon-Kuskokwim	970	Kipnuk Wind Diesel Power Generation and Heating	Kipnuk Light Plant	Wind		0.81	1.49										\$4,067,778	\$2,567,778	\$1,500,000				DesignConstruction	Not Recomnd		
41	Lower Yukon-Kuskokwim	950	Russian Mission Wind Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind		0.52	0.89										\$1,530,000	\$142,500	\$7,500				Feasibility	Not Recomnd		
42	Lower Yukon-Kuskokwim	972	Akiak Wind Resource Assessment	Akiak Native Community/ Akiak IRA Council	Wind		0.58	1.24										\$2,000,000	\$181,000					Feasibility	Not Recomnd		
43	Lower Yukon-Kuskokwim	985	Electrical Power Lines -Western Alaska	Nuvista Light & Electric Cooperative, Inc.																							

Alaska Renewable Energy Fund

Regional Ranking and Funding Allocation - Round 6

January 18, 2013



Count	Energy Region	ID	Project Name	Applicant	Energy Source	Stage 2	Ben / Cost		Stage 3 Review Scores (max)					6. Local Supt (5)	7. Sustain-ability (5)	Stage 3	Stage 4	Cost Request			Development Phase			Recommendation			
						Tech Econ Feas Score	AEA B/C	Appl B/C	1. Cost of Energy (35)	2. Match (15)	3. Tech & Econ Feas (20)	4. Readiness (5)	5. Benefit (15)			Total Stage 3 Score (100)	State-wide Rank Post Stage 4	Project Cost	Grant Requested	Match Offered	Reconn/ Feasibility	Permitting /Final Design	Construct	Phase	Type	Funding	Cumulative
44	Northwest Arctic	941	Heat Recovery for the Water Treatment Plant	City of Noorvik	Heat Recovery	78.83	1.65	2.25	27.00	6.00	15.77	3.00	10.88	2.00	4.67	69.31	12	\$985,808	\$985,805	\$29,580		\$74,592	\$911,213	DesignConstruction	Full SP	\$985,805	\$985,805
45	Northwest Arctic	952	Cosmos Hills Wind Resource and Intertie Assessment	Alaska Village Electric Cooperative, Inc.	Wind	40.00	0.64	0.65	32.38	6.00	8.00	2.00	0.38	5.00	3.67	57.42	35	\$233,000	\$221,350	\$11,650	\$40,000			ReconFeasibility	Partial	\$40,000	\$1,025,805
46	Northwest Arctic	953	Hotham Peak Wind Resource and Intertie Assessment	Alaska Village Electric Cooperative, Inc.	Wind	46.83	0.56	0.63	27.13	6.00	9.37	3.50	1.13	5.00	4.00	56.12	38	\$23,000,000	\$207,100	\$10,900	\$207,100			Feasibility	Full	\$207,100	\$1,232,905
47	Northwest Arctic	903	Northwest Arctic Borough Solar PV	Northwest Arctic Borough	Solar	74.17	1.21	1.21	18.25	0.00	14.83	5.00	5.88	5.00	5.00	53.96	42	\$75,000	\$75,000			\$75,000		DesignConstruction	Full	\$75,000	\$1,307,905
48	Northwest Arctic	946	Shungnak Solar Energy Construction Project	Alaska Village Electric Cooperative, Inc.	Solar		0.66	0.63										\$650,000	\$585,000	\$65,000				Construction	Not Recomnd		
49	Northwest Arctic	984	Noatak Wind Resource Assessment	Noatak IRA	Wind		0.98	1.53										\$2,000,000	\$181,000					FeasibilityDesign	Not Recomnd		
Northwest Arctic Total																		\$26,943,808	\$2,255,255	\$117,130	\$247,100	\$149,592	\$911,213			\$1,307,905	
50	Railbelt	913	Stetson Creek Diversion/Cooper Lake Dam Facilities Project	Chugach Electric Association, Inc.	Hydro	94.00	5.23	0.58	6.23	15.00	18.80	5.00	13.00	0.00	5.00	63.03	25	\$23,808,913	\$3,453,920	\$17,343,267			\$3,453,920	Construction	Full	\$3,453,920	\$3,453,920
51	Railbelt	924	Seward Schools Biomass Heating System	Kenai Peninsula Borough School District	Biomass	89.00	5.54	6.01	8.41	6.00	17.80	3.00	12.88	5.00	4.83	57.92	32	\$1,415,234	\$1,367,464	\$47,770		\$100,000	\$1,267,464	DesignConstruction	Full SP	\$1,367,464	\$4,821,384
52	Railbelt	931	Nenana Collaborative Biomass Heating System Project	Nenana City School District	Biomass	84.17	2.02	2.79	9.81	6.00	16.83	3.00	13.13	5.00	4.00	57.77	34	\$3,006,607	\$466,890	\$19,200		\$466,890		Design	Full	\$466,890	\$5,288,274
53	Railbelt	943	OIT Inc Waste Heat Turbine Project	OIT Inc.	Heat Recovery	75.33	2.15	2.15	9.81	14.25	15.07	1.83	12.50	0.00	2.83	56.29	37	\$3,258,447	\$1,629,223	\$1,629,223		\$225,000		DesignConstruction	Partial SP	\$225,000	\$5,513,274
54	Railbelt	975	Juniper Creek Hydroelectric Project Feasibility Study	Ram Valley LLC	Hydro	60.00	1.48	1.55	6.23	11.25	12.00	4.83	8.13	4.00	3.00	49.43	49	\$4,300,000	\$127,900	\$44,800	\$30,000			Recon	Partial SP	\$30,000	\$5,543,274
55	Railbelt	959	Ticasuk Brown School Pellet Boiler Project-Phase 2	Fairbanks North Star Borough (FNSB)	Biomass	87.17	1.80	1.80	9.81	0.00	17.43	3.17	13.00	0.00	4.50	47.91	51	\$350,000	\$350,000			\$250,000		Construction	Partial	\$250,000	\$5,793,274
56	Railbelt	902	Jack River Hydroelectric Project Feasibility Study	Native Village of Cantwell	Hydro	58.00	2.43	2.43	9.81	3.00	11.60	2.00	11.75	5.00	1.67	44.82	55	\$10,000,000	\$213,750	\$11,250	\$213,750			Feasibility	Full SP	\$213,750	\$6,007,024
57	Railbelt	979	Waste-to-Energy Feasibility Study	Chugach Electric Association, Inc.	Biofuels	45.67	1.48	1.48	6.23	10.50	9.13	0.00	8.88	0.00	3.50	38.23	59		\$550,000	\$150,000	\$40,000			Feasibility	Partial	\$40,000	\$6,047,024
58	Railbelt	977	Carlo Creek Hydroelectric Project Reconnaissance Study	Native Village of Cantwell	Hydro	39.50	0.94	4.59	9.81	6.00	7.90	2.00	1.25	5.00	3.33	35.29	60	\$7,500,000	\$66,500	\$3,500	\$30,000			Recon	Partial	\$30,000	\$6,077,024
59	Railbelt	960	TidGen™ Array Project	ORPC Alaska 2, LLC	Other		-0.01	0.01										\$8,696,494	\$2,000,000	\$6,696,494				Construction	Not Recomnd		
Railbelt Total																		\$62,335,695	\$10,225,647	\$25,945,504	\$313,750	\$791,890	\$4,971,384			\$6,077,024	
60	Southeast	978	Indian River Hydroelectric Project Construction	City of Tenakee Springs DBA Tenakee Springs I	Hydro	80.50	1.57	1.70	30.16	9.00	16.10	3.00	11.00	5.00	5.00	79.26	1	\$3,674,000	\$2,988,000	\$332,000			\$2,988,000	Construction	Full SP	\$2,988,000	\$2,988,000
61	Southeast	922	Gartina Falls Hydroelectric Project	Inside Passage Electric Cooperative	Hydro	78.33	2.26	1.61	27.09	5.25	15.67	3.00	12.13	5.00	4.83	72.97	5	\$8,009,000	\$6,694,000	\$15,000			\$6,694,000	Construction	Full SP	\$6,694,000	\$9,682,000
62	Southeast	917	Blue Lake Hydroelectric Expansion Project	City & Borough of Sitka (CBS)	Hydro	92.50	2.02	2.02	4.14	14.25	18.50	5.00	13.00	5.00	5.00	64.89	20	\$145,000,000	\$4,000,000	\$4,000,000			\$4,000,000	Construction	Full SP	\$4,000,000	\$13,682,000
63	Southeast	983	Wood Heat Feasibility Study and Conceptual Design forKake	Organized Village of Kake	Biomass	60.50	0.60	0.60	27.01	9.00	12.10	2.33	1.38	5.00	3.00	59.82	30		\$30,700	\$5,000	\$30,700			Feasibility	Full	\$30,700	\$13,712,700
64	Southeast	916	Hydaburg Schools Wood Fired Boiler Project	Hydaburg City Schools	Biomass	90.00	2.85	3.93	10.34	9.00	18.00	3.00	13.00	2.00	4.00	59.34	31	\$463,216	\$20,000	\$5,200		\$20,000		Design	Full	\$20,000	\$13,732,700
65	Southeast	965	Haines Borough Pellet Heating Project	Haines Borough	Biomass	85.33	1.77	2.17	9.52	6.75	17.07	3.50	12.75	2.00	3.83	55.42	39	\$517,000	\$472,000	\$45,000		\$472,000		DesignConstruction	Full	\$472,000	\$14,204,700
66	Southeast	914	Connelly Lake Hydroelectric Project	Alaska Power & Telephone Company	Hydro	60.50	4.47	0.11	9.52	10.50	12.10	2.00	11.38	5.00	1.83	52.33	44	\$46,475,000	\$1,752,000	\$438,000	\$180,000			Feasibility	Partial	\$180,000	\$14,384,700
67	Southeast	904	Dimond Park Library Geothermal HVAC System	City & Borough of Juneau	Geothermal	76.17	1.68	0.60	5.29	10.50	15.23	2.50	11.13	2.00	4.50	51.15	48	\$875,000	\$700,000	\$175,000		\$300,000		DesignConstruction	Partial SP	\$300,000	\$14,684,700
68	Southeast	909	Mahoney Lake Hydroelectric Project: Phase III	City of Saxman	Hydro	49.33	3.08	8.67	4.46	14.25	9.87	1.50	11.75	5.00	1.17	48.00	50	\$51,100,000	\$1,000,000	\$100,000	\$500,000			Feasibility	Partial	\$500,000	\$15,184,700
69	Southeast	907	Petersburg Community Heating System Retrofit Feasibility Study	City of Petersburg	Biomass	63.83	1.59		4.46	9.00	12.77	1.17	9.75	5.00	4.50	46.65	53	\$51,360	\$41,360	\$10,000	\$41,360			ReconFeasibility	Full	\$41,360	\$15,226,060
70	Southeast	918	West Creek Hydroelectric Project	Municipality of Skagway Borough	Hydro	42.00	1.45	1.53	9.52	11.25	8.40	1.17	8.25	5.00	1.00	44.59	56	\$140,000,000	\$236,000	\$84,000	\$236,000			Feasibility	Full	\$236,000	\$15,462,060
71	Southeast	938	Feasibility Study and Conceptual Design of Tenakee Inlet Geothermal R	Inside Passage Electric Cooperative	Geothermal		0.38	1.06										\$27,000,000	\$3,485,000					Feasibility	Not Recomnd		
72	Southeast	905	HydroPower Surplus to Stored Hydrogen Feasibility Study	The Southeast Alaska Power Agency	Other		0.15											\$244,385	\$244,385	\$5,000				Feasibility	Not Recomnd		
73	Southeast	919	Metlakatla-Ketchikan Intertie	Metlakatla Indian Community (MIC)	Transmission			1.94										\$14,510,599	\$9,570,434					DesignConstruction	Not Recomnd		
74	Southeast	974	Neck Lake Hydro Project	Alaska Power Company (APC)	Hydro	28.83	0.74	0.88										\$2,777,885	\$297,600	\$74,400				FeasibilityDesign	NotPassStage2		
75	Southeast	920	Walker Lake Hydro Feasibility Project	Tlingit-Haida Regional Electric Authority	Hydro	29.50	0.01	0.01										\$690,000	\$640,000	\$50,000				ReconFeasDesign	NotPassStage2		
76	Southeast	964	Excursion Inlet Hydro Project- Phase II	Haines Borough	Hydro	29.83	1.09	1.86										\$15,900,000	\$213,536	\$10,000				Feasibility	NotPassStage1		
77	Southeast	958	Wrangell Power Plant Upgrade	City & Borough of Wrangell	TransmissionHydro													\$117,136	\$117,136					FeasDesignConstructi	NotPassStage2		
78	Southeast	906	Coffman Cove Hydropower Line Extension	City of Coffman Cove	Transmission	77.00	3.52	34.74	19.88	0.00	15.40	3.00	11.63	5.00	4.00	58.91		\$175,000	\$175,000	\$36,000				DesignConstruction	Withdrawn		
Southeast Total																		\$457,579,581	\$32,677,151	\$5,384,600	\$988,060	\$792,000	\$13,682,000			\$15,462,060	
79	Yukon-Koyukok/Upper Tanana	927	Galena Community Wood Heat Project	City of Galena	Biomass	81.50	3.41	4.71	24.50	6.00	16.30	3.00	12.63	5.00	2.83	70.26	10	\$2,870,635	\$2,787,719	\$82,916			\$317,788	DesignConstruction	Partial	\$317,788	\$317,788
80	Yukon-Koyukok/Upper Tanana	915	Eagle Solar Array Project	Alaska Power Company (APC)																							



Renewable Energy Fund - Round 6
Recommended Projects
January, 2013

Energy Region	ID	Name	Applicant	Resource	Phase	Project Cost	Grant Requested	Match Offerd	Recommended Funding	Rank
Kodiak	901	Karluk Tribal Council – Wind Energy System	Karluk Tribal Council	Wind	Feasibility Design	\$1,300,000	\$81,000	\$300	\$70,000	57
Railbelt	902	Jack River Hydroelectric Project Feasibility Study	Native Village of Cantwell	Hydro	Feasibility	\$10,000,000	\$213,750	\$11,250	\$213,750	55
Northwest Arctic	903	Northwest Arctic Borough Solar PV	Northwest Arctic Borough	Solar	Design Construction	\$75,000	\$75,000		\$75,000	42
Southeast	904	Dimond Park Library Geothermal HVAC System	City & Borough of Juneau	Geothermal	Design Construction	\$875,000	\$700,000	\$175,000	\$300,000	48
Southeast	907	Petersburg Community Heating System Retrofit Feasibility Study	City of Petersburg	Biomass	Recon Feasibility	\$51,360	\$41,360	\$10,000	\$41,360	53
Bristol Bay	908	Tazimina Hydroelectric Project Capacity Increase	INN Electric Cooperative, Inc.	Hydro	Feasibility	\$2,600,000	\$160,000	\$30,000	\$160,000	4
Southeast	909	Mahoney Lake Hydroelectric Project: Phase III	City of Saxman	Hydro	Feasibility	\$51,100,000	\$1,000,000	\$100,000	\$500,000	50
Bristol Bay	911	Levelock Wind Reconnaissance Study	Lake and Peninsula Borough	Wind	Recon	\$10,000	\$10,000	\$1,000	\$10,000	14
Bristol Bay	912	Egegik Wind Feasibility Study	Lake and Peninsula Borough	Wind	Recon	\$90,000	\$80,000	\$10,000	\$60,000	3
Railbelt	913	Stetson Creek Diversion/Cooper Lake Dam Facilities Project	Chugach Electric Association, Inc.	Hydro	Construction	\$23,808,913	\$3,453,920	\$17,343,267	\$3,453,920	25
Southeast	914	Connelly Lake Hydroelectric Project	Alaska Power & Telephone Company	Hydro	Feasibility	\$46,475,000	\$1,752,000	\$438,000	\$180,000	44
Yukon-Koyukok/Upper Tanana	915	Eagle Solar Array Project	Alaska Power Company (APC)	Solar	Construction	\$165,750	\$132,600	\$33,150	\$132,600	15
Southeast	916	Hydaburg Schools Wood Fired Boiler Project	Hydaburg City Schools	Biomass	Design	\$463,216	\$20,000	\$5,200	\$20,000	31
Southeast	917	Blue Lake Hydroelectric Expansion Project	City & Borough of Sitka (CBS)	Hydro	Construction	\$145,000,000	\$4,000,000	\$4,000,000	\$4,000,000	20
Southeast	918	West Creek Hydroelectric Project	Municipality of Skagway Borough	Hydro	Feasibility	\$140,000,000	\$236,000	\$84,000	\$236,000	56
Lower Yukon-Kuskokwim	921	AVCP RHA Wood Biomass Heating System	AVCP Regional Housing Authority	Biomass	Design Construction	\$3,399,387	\$3,149,387	\$250,000	\$3,149,387	41
Southeast	922	Gartina Falls Hydroelectric Project	Inside Passage Electric Cooperative	Hydro	Construction	\$8,009,000	\$6,694,000	\$15,000	\$6,694,000	5
Kodiak	923	Afognak Biomass Feasibility Study	Native Village of Afognak	Biomass	Recon Feasibility	\$1,633,974	\$170,974		\$170,974	58
Railbelt	924	Seward Schools Biomass Heating System	Kenai Peninsula Borough School District (KPBSD)	Biomass	Design Construction	\$1,415,234	\$1,367,464	\$47,770	\$1,367,464	32
Yukon-Koyukok/Upper Tanana	925	Upper Tanana Biomass CHP Project	Alaska Power & Telephone Company	Biomass	Design	\$18,000,000	\$1,990,000	\$60,000	\$400,000	22
Yukon-Koyukok/Upper Tanana	926	AGSD District Heat Loop Project	Alaska Gateway School District	Heat Recovery	Design Construction	\$2,848,939	\$2,753,364	\$95,575	\$2,753,364	52
Yukon-Koyukok/Upper Tanana	927	Galena Community Wood Heat Project	City of Galena	Biomass	Design Construction	\$2,870,635	\$2,787,719	\$82,916	\$317,788	10
Kodiak	928	Bathymetric survey and marine geological study	City of Ouzinkie	Transmission	Design	\$6,129,000	\$356,400	\$25,000	\$356,400	33
Aleutians	929	Waterfall Creek Hydroelectric Project	City of King Cove	Hydro	Construction	\$4,300,000	\$2,600,000	\$1,300,000	\$2,600,000	19
Copper River/Chugach	930	Allison Creek Project	Copper Valley Electric Association, Inc. (CVEA)	Hydro	Construction	\$38,804,000	\$6,114,000		\$6,114,000	23
Railbelt	931	Nenana Collaborative Biomass Heating System Project	Nenana City School District	Biomass	Design	\$3,006,607	\$466,890	\$19,200	\$466,890	34
Yukon-Koyukok/Upper Tanana	933	Biomass Feasibility Studies in Public Facilities, Interior Region	Interior Regional Housing Authority	Biomass	Feasibility	\$168,959	\$168,959		\$168,959	21
Bering Straits	934	Savoonga Heat Recovery System - Power Plant to Water Plant	City of Savoonga	Heat Recovery	Construction	\$425,701	\$425,701	\$11,752	\$425,701	16
Lower Yukon-Kuskokwim	935	Atmautluak Washeteria Heat Recovery Project	Atmautluak Traditional Council	Heat Recovery	Construction	\$360,500	\$350,000	\$10,500	\$350,000	18
Lower Yukon-Kuskokwim	936	Heat Recovery for the Water System	City of Chuathbaluk	Heat Recovery	Design Construction	\$199,863	\$199,863	\$5,996	\$199,863	28
Lower Yukon-Kuskokwim	937	Heat Recovery for the Water Treatment Plant and Washeteria	Native Village of Kwinhagak	Heat Recovery	Design Construction	\$668,350	\$668,350	\$20,050	\$668,350	13
Bering Straits	939	Stebbins Heat Recovery Project	Alaska Village Electric Cooperative, Inc.	Heat Recovery	Design Construction	\$1,341,063	\$1,319,088	\$21,975	\$1,319,088	9
Lower Yukon-Kuskokwim	940	Heat Recovery for the Water Treatment Plant & Community Store	City of Marshall	Heat Recovery	Design Construction	\$183,200	\$183,200	\$6,000	\$183,200	17
Northwest Arctic	941	Heat Recovery for the Water Treatment Plant	City of Noorvik	Heat Recovery	Design Construction	\$985,808	\$985,805	\$29,580	\$985,805	12
Lower Yukon-Kuskokwim	942	Heat Recovery for the Water Treatment Plant/Washeteria Building	Native Village of Tuntutuliak	Heat Recovery	Design Construction	\$438,585	\$425,811	\$12,774	\$425,811	26
Railbelt	943	OIT Inc Waste Heat Turbine Project	OIT Inc.	Heat Recovery	Design Construction	\$3,258,447	\$1,629,223	\$1,629,223	\$225,000	37
Bristol Bay	944	New Stuyahok Heat Recovery	Southwest Region School District	Heat Recovery	Design Construction	\$548,000	\$486,000	\$62,000	\$486,000	7
Lower Yukon-Kuskokwim	945	St. Mary's / Pitka's Point Wind Energy Project	Alaska Village Electric Cooperative, Inc.	Wind	Construction	\$6,153,991	\$5,538,592	\$615,399	\$5,538,592	29
Lower Yukon-Kuskokwim	947	Marshall Wind Energy Design and Permitting Project	Alaska Village Electric Cooperative, Inc.	Wind	Design	\$2,509,850	\$332,500	\$17,500	\$332,500	54
Bering Straits	948	Wales Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	Feasibility	\$1,020,000	\$190,000	\$10,000	\$75,000	27
Lower Yukon-Kuskokwim	949	Kotlik Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	Feasibility	\$3,060,000	\$142,500	\$7,500	\$142,500	36
Northwest Arctic	952	Cosmos Hills Wind Resource and Intertie Assessment	Alaska Village Electric Cooperative, Inc.	Wind	Recon Feasibility	\$233,000	\$221,350	\$11,650	\$40,000	35
Northwest Arctic	953	Hotham Peak Wind Resource and Intertie Assessment	Alaska Village Electric Cooperative, Inc.	Wind	Feasibility	\$23,000,000	\$207,100	\$10,900	\$207,100	38
Lower Yukon-Kuskokwim	954	St. Mary's / Mountain Village Wind Energy Intertie Final Design	Alaska Village Electric Cooperative, Inc.	Wind	Design	\$7,449,000	\$332,500	\$17,500	\$332,500	47
Lower Yukon-Kuskokwim	955	St. Mary's / Pilot Station Wind Energy Intertie Construction Project	Alaska Village Electric Cooperative, Inc.	Wind	Construction	\$6,202,000	\$5,581,800	\$620,200	\$5,581,800	40
Lower Yukon-Kuskokwim	956	Goodnews Bay Wind Energy Feasibility and Conceptual Design	Alaska Village Electric Cooperative, Inc.	Wind	Feasibility	\$1,530,000	\$142,500	\$7,500	\$142,500	43
Bering Straits	957	Shishmaref Wind Energy Feasibility and Conceptual Design Project	Alaska Village Electric Cooperative, Inc.	Wind	Feasibility	\$2,040,000	\$142,500	\$7,500	\$142,500	46
Railbelt	959	Ticasuk Brown School Pellet Boiler Project-Phase 2	Fairbanks North Star Borough (FNSB)	Biomass	Construction	\$350,000	\$350,000		\$250,000	51
Bristol Bay	962	Manokotak Wind & Heat Feasibility Study	Manokotak Power Company	Wind	Feasibility	\$1,020,000	\$193,000	\$7,000	\$143,000	45
Southeast	965	Haines Borough Pellet Heating Project	Haines Borough	Biomass	Design Construction	\$517,000	\$472,000	\$45,000	\$472,000	39
Bristol Bay	966	High-penetration Wind Energy Project- Kokhanok	Kokhanok Electric	Wind	Construction	\$190,000	\$185,000	\$5,000	\$185,000	2
Aleutians	967	Cold Bay Waste Heat Recovery Project	G&K Electric Utility	Heat Recovery	Feasibility	\$114,765	\$109,765	\$5,000	\$30,000	8
Railbelt	975	Juniper Creek Hydroelectric Project Feasibility Study	Ram Valley LLC	Hydro	Recon	\$4,300,000	\$127,900	\$44,800	\$30,000	49
Bristol Bay	976	Knutson Creek Hydroelectric Project Design and Permitting	Pedro Bay Village Council	Hydro	Design	\$3,400,000	\$290,000	\$2,500	\$290,000	11
Railbelt	977	Carlo Creek Hydroelectric Project Reconnaissance Study	Native Village of Cantwell	Hydro	Recon	\$7,500,000	\$66,500	\$3,500	\$30,000	60
Southeast	978	Indian River Hydroelectric Project Construction	City of Tenakee Springs DBA Tenakee Springs Electric Dept.	Hydro	Construction	\$3,674,000	\$2,988,000	\$332,000	\$2,988,000	1
Railbelt	979	Waste-to-Energy Feasibility Study	Chugach Electric Association, Inc.	Biofuels	Feasibility		\$550,000	\$150,000	\$40,000	59
Yukon-Koyukok/Upper Tanana	981	Tanana Solar Domestic Hot Water Heating Project	City of Tanana	Solar	Construction	\$81,700	\$81,700	\$50,000	\$81,700	24
Copper River/Chugach	982	Community Facilities Woody Biomass Space Heating Project	Mentasta Traditional Council	Biomass	Design Construction	\$510,000	\$460,000	\$50,000	\$460,000	6



January 18, 2013

The Honorable Charlie Huggins
Senate President
State Capitol, Room 111
Juneau, Alaska 99801

The Honorable Mike Chenault
Speaker of the House
State Capitol, Room 208
Juneau, Alaska 99801

RE: Renewable Energy Fund - Recommendations for Round 6 Funding

Dear President Huggins and Speaker Chenault:

The Alaska State Legislature created the Renewable Energy Fund (REF) and Grant Recommendation Program in 2008. This program placed Alaska at or near the forefront of the 50 states in funding for renewable energy. The Legislature authorized Alaska Energy Authority (AEA) to manage the REF program and in 2012 extended the program for 10 years.

Pursuant to AS 42.45.045(d)(3) we are pleased to provide the AEA Renewable Energy Fund Round 6 recommendations for your consideration. Of the 85 applications received, AEA has recommended funding for 60 projects.

The following documents are included with this letter:

1. Spreadsheets that provide lists of all projects for which applications were received, their evaluation score, statewide ranking, and recommended funding.
2. A map indicating the projects recommended by location and type.
3. An executive summary of the Renewable Energy Fund, including both Round 6 recommendations and Round 1 through 5 project status and performance highlights.

Additional supporting materials are available on the AEA web site, including AEA's Round 6 evaluation summaries and economic analysis for each application, the evaluation methodology, and a status report with details on each of the projects funded in Rounds 1 through 5.

http://www.akenergyauthority.org/RE_Fund_Applications-6.html

AEA will provide detailed information on a CD and deliver to individual legislators upon request. Please contact me if you have any questions.

Sincerely,

ALASKA ENERGY AUTHORITY

A handwritten signature in blue ink that reads "Sara Fisher-Goad".

Sara Fisher-Goad
Executive Director

Enclosures
cc: Alaska Legislature