

2011 Energy Project Matrix - Current Projects

Community	Current RE Projects	All funding secured	Other needs i.e. funding/permits/ACMP etc.	Other Proposals	Interested Parties/agencies/Investors etc.	Community or Project Contact Information	
Adak							
Akutan	Hydro electric; Skystream wind turbine installed 2008	No	Funds for second test hole to be drilled - ~ \$500K			Mayor Joe Bereshkin, City of Akutan	
Atka	Hydroelectric; Construction started 9/17/10	Yes	None	See Proposed Project sheet		Julie Dirks, City of Atka	Completion by Early 2012
Cold Bay	Wind Feasibility					Marsh Creek, John Lyons	
False Pass	Skystream wind turbine installed 2008	Complete	Training			Everette Anderson, APICDA or City of False Pass	
	Commercial Energy Audit - for Bering Pacific Seafoods processing facility, bunkhouse, Workshop	Yes				Everette Anderson, APICDA	
King Cove							
Nelson Lagoon	Skystream wind turbine installed 2008	Complete	Training				
	Commercial Energy Audit - Nelson Lagoon Storage Facility	Yes					
Nikolski	65kw medium penetration wind (Vestas)/diesel hybrid	Complete					
Sand Point							
St. George	225kw wind / diesel hybrid	Yes				Mayor Pat Pletnikoff	
	Feasibility Study - SyncWave Power Resonator to STG Island	Yes	None			STG IRA, Contact Max Malavansky, Jr.	
St. Paul	Wind						
Unalaska	Waste Heat	yes, State Matching Grant of 450K			City of Unalaska	Chris Hladick, City manager	

2011 Energy Project Matrix - Proposed Projects

Community	Proposed RE Projects	Funding secured? If not, how and when?	Proposed RE Project Timeline to completion	Needs i.e. funding/permits/ ACMP etc.	Other Proposals	Other Parties/agencies Investors etc.	Community or Project Contact Information
Adak	Renewable energy (wind, hydro, geothermal) feasibility study	funded by Alask Renewable Energy Fund	2010-2011		Feasibility Study Submitted to RE Fund Round IV	TDX Adak Generating	Christie DeMolina, TDX
Akutan	Geothermal (Phase I) Test holes drilling commences mid-July 2010			Funds for second test hole to be drilled - ~ \$500K	District heating integration		City of Akutan, Mayor Joe Bereshkin
Atka	<p>Installed Capacity: 271 kW Type of Turbine: Cross-flow Hydro Average Annual Energy: 1,757,412 kWh Atka's Energy Consumption: 260,144 kWh Estimated Hydro Available Energy: 260,144 kWh Design Flow: 36 cfs Static Head: 116 feet Penstock Inside Diameter: 28.2 inches Penstock Length: 1,060 feet Dam Height: 13 feet</p>						<p>Julie Dirks, City of Atka; Earle Ausman, P.E. Polarconsult AK Anchorage, Alaska (907) 258-2420 www.polarconsult.net earle@polarconsult.net John Lyons, Electrical Engineer Marsh Creek Energy Services</p>
	Dispatchable Energy from Heat	\$80,000 secured to date			Design Stage		Julie Dirks, City of Atka;
Cold Bay	Wind Study for City USFWS will install vertical axis turbines	USFWS is funded					Marsh Creek, John Lyons
False Pass	Tidal energy, Wind Study	No - Submitted EETF Grant Request	2 years	Study and beta test			
	Wind feasibility						
King Cove	Waterfall Creek Hydroelectric Facility (400 kwh; community's second run-of-the-river hydroelectric facility)	Not yet. Cost of \$4.0 million; \$3.0 million in grants from combination of AEA, EDA, and USDA/RD and \$1.0 million in debt.	summer of 2012	Finalize funding; permits/ACMP currently being finalized		Peter Pan Seafoods	Gary Hennigh, City Administrator, City of King Cove
Nelson Lagoon	Tidal energy and wind		2 years	Permits			
	Wind feasibility	Submitted Grant request					
Nikolski	wind project	More needed to correct controls. AEA has approved Circuit Rider Assistance	Oct-10			Umnak Power, APICDA, Chaluka Corp., APIA	Connie Fredenberg, Marsh Creek
Sand Point	Wind Project, wind project						Matt Miller TDX
St. George	wind project						Pat Pletnikoff, Mayor
St. Paul	wind project						Connie Fredenberg, TDX
	bio-algae						Steve Sumida, TDX
Unalaska	Makushin Geothermal	Funding Secured for further exploration	5-10 years.	Fluid Agreement, Further Exploration, Power Sales Agreements, Permits		City of Unalaska, Aleut Corp. Jack Wood, Ounalashka Corp.	Chris Hladick
	Pyramid Wind Farm		5 years	Evaluation of Monitoring Data needed.		Ounalashka Corporation	David Gregory
	Micro Hydro		5-10 years.	Stream Studies needed		Ounalashka Corporation	David Gregory
	Ocean Wave Potential		5-10 years.	Study needed to assess resource		Ounalashka Corporation	David Gregory
	Land Fill Biomass Project		5-10 years	Study to determine feasibility		City of Unalaska	Chris Hladick, City Manager