

Federal Energy Projects**FY2012 Request: \$490,000****Reference No: 50957****AP/AL:** Appropriation with Allocations**Project Type:** Energy**Category:** Public Protection**Location:** Statewide**House District:** Statewide (HD 1-40)**Impact House District:** Statewide (HD 1-40)**Contact:** McHugh Pierre**Estimated Project Dates:** 07/01/2011 - 06/30/2016 **Contact Phone:** (907)428-6003**Brief Summary and Statement of Need:**

Funding is requested to address energy conservation requirements in Alaska Army National Guard Facilities in the following communities: Juneau, Ketchikan, Kenai, Kodiak, Nome, and Fort Richardson. The Alaska Army National Guard is tasked with reducing energy consumption at its facilities. Federal Executive Orders 13423 and 13514 prescribe the requirement for using more energy efficient equipment and for utilizing energy obtained from renewable sources. The proposed projects will install equipment and provide designs that utilize available and proven technology.

Funding:	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	Total
Fed Rcpts	\$480,000		\$628,000	\$820,000			\$1,928,000
G/F Match	\$10,000		\$4,000				\$14,000
Total:	\$490,000	\$0	\$632,000	\$820,000	\$0	\$0	\$1,942,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:**Project Description/Justification:**

The installation of light emitting diode (LED) fixtures at Juneau, Ketchikan, Kenai, Kodiak, and Nome Armories work to reduce operating and maintenance costs and increases the lighting at our armories. The cost of purchasing LED lights is decreasing and maintenance of fixtures and bulbs are minimal.

Federal funding guidelines require that a percentage of federal facilities encompass some form of alternative energy use. The Bryant Air Field energy project works to utilize solar heat collection from an expansive southern exposure. Energy from solar panels will augment the current boiler-fired heat source in hangars. Solar heat will reduce the cost of heat replacement from heat loss when hanger doors are opened to move aircraft. Priorities and cost estimates may need to be changed to accommodate emergency maintenance projects not listed, actual project costs, and other considerations.

Project Titles	Project Cost	Project Description	City
Juneau Armory Energy Projects	\$10,000	Replace exterior lights with LEDs	Juneau
Ketchikan Armory Energy	\$10,000	Replace exterior lights with LEDs	Ketchikan
Kenai Armory Energy Projects	\$10,000	Replace exterior lights with LEDs	Kenai
Kodiak Armory Energy Projects	\$10,000	Replace exterior lights with LEDs	Kodiak
Nome Armory Energy Projects	\$200,000	Install solar panel at hanger	Nome
Bryant Airfield Energy Projects	\$250,000	Design bid ready documents to install solar panels	Anchorage Joint Base Elmendorf-Richardson (JBER)
TOTAL	\$490,000		