Cold Weather Generation Storage and Maintenance **FY2011 Request: $50,000**
Reference No: 48728

AP/AL: Appropriation
Project Type: Life / Health / Safety
Category: Public Protection
Location: Statewide
Contact: McHugh Pierre
House District: Statewide (HD 1-40)
Contact Phone: (907)428-6003
Estimated Project Dates: 07/01/2010 - 06/30/2015

Brief Summary and Statement of Need:
Generator storage and maintenance is needed for 49 specially modified emergency cold weather generators, provided at no cost by the Federal Emergency Management Agency (FEMA). During a catastrophic disaster, improved emergency generation capability has the potential to save Alaskans' lives. The U.S. Corp of Engineers invested in an energy assessment and analysis of power generation needs and FEMA was able to resource the equipment and support necessary to provide this package to Alaska. The Department has worked with the Alaska Energy Authority to identify storage space and maintenance support necessary. This project will support disaster preparedness, response and recovery priority programs in the department.

Funding:	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	Total
Gen Fund	$50,000						$50,000
Total:	$50,000	$0	$0	$0	$0	$0	$50,000

☐ State Match Required ☐ One-Time Project ☐ Phased - new ☐ Phased - underway ☑ On-Going
0% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:
No previous request has been made for this project.

Project Description/Justification:
The State of Alaska Division of Homeland Security and Emergency Management (DHS&EM), FEMA, and the US Corp of Engineers (USACE) have identified a critical resource shortage in the area of emergency power within Alaska. Specifically this shortage relates to the ability to provide power in a disaster emergency situation to villages, cities, and critical facilities. Special consideration has been taken to address the utilization of emergency generators in Alaska's arctic climate.

There are a number of low power portable generators commercially available for use in Alaska. These generators will not meet the need of multiple locations or provide significant power generation capability for our Alaskan communities. DHS&EM and USACE have been actively engaged with FEMA for more than 15 years to provide locally available emergency power generation capability. Due to resource limitations and multiple national scale disasters FEMA was not able to provide this capability until now. If an event required emergency power generation today, FEMA would have to mobilize equipment from Moffett Field in California, or another distribution center in the Midwest or East Coast. The time required for air transportation has the potential to threaten life and property.

As a result of this collaborative effort between the State and Federal government, 49 generators, of various sizes (10KW to 650KW), are being adapted for cold weather use and prepared for shipment to Alaska. FEMA and the USACE have invested an estimated $5,000,000 into procurement, modification and the future shipment of the Cold Weather Generation Package for Alaska. The State is required to provide safe and secure storage for the units and annual maintenance. The Department has worked with Alaska Energy Authority to identify the storage space and management of the annual maintenance. The State's annual investment for storage and maintenance is $50,000, with anticipated minimal increases over five years. A formal Memorandum of Agreement will be signed between the State and FEMA outlining respective responsibilities to ensure the cold weather generators are available for use during State and Federal Disasters. The shipment and set-up of the generators during an actual disaster event can be funded under the specific event. The pre-positioning of the cold weather generators within the State increases our capability to respond quickly in a catastrophic event and reduce the potential loss of life. The overall estimated cost of this project for six years is $360,000 in State funding.

Department Priority #3
Priority Program - Disaster Preparedness/Response and Recovery