

Nome Install Solar Panel at Hanger

FY2012 Request: \$200,000
Reference No: 51702

AP/AL: Allocation

Project Type: Energy

Category: Public Protection

Location: Nome

House District: Bering Straits (HD 39)

Impact House District: Bering Straits (HD 39)

Contact: McHugh Pierre

Estimated Project Dates: 07/01/2011 - 06/30/2014

Contact Phone: (907)428-6003

Appropriation: Federal Energy Projects

Brief Summary and Statement of Need:

Alaska Army National Guard is tasked with reducing energy consumption at its facilities. Federal Executive Orders 13423 and 13514 prescribe the requirement for utilizing energy from renewable sources. The proposed project will install a transpired solar energy collection wall at the Nome Army Aviation Support Facility (Aircraft Hangar).

Funding:	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	Total
Fed Rcpts	\$200,000		\$308,000				\$508,000
G/F Match			\$4,000				\$4,000
Total:	\$200,000	\$0	\$312,000	\$0	\$0	\$0	\$512,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input 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	
Totals:	0	0

Additional Information / Prior Funding History:

Project Description/Justification:

This project designs and constructs a transpired solar energy collection wall. The collection wall would be installed exterior to the existing building wall on a sun exposed side for gathering solar energy. Solar energy would heat the air within the constructed wall cavity. The heated air will be used to augment the hangar bay heating system and for pre-heating office area ventilation air. The existing ductwork and direct digital control systems would be altered and programmed to distribute the captured heat to fully benefit from this renewable energy system. Priorities and cost estimates may need to be changed to accommodate emergency maintenance projects not listed, actual project costs, and other considerations.