

**Environmental Protection Agency Mandated Airport  
Deicing Conversion to Potassium Acetate**

**FY2014 Request: \$235,000  
Reference No: 56603**

**AP/AL:** Allocation

**Project Type:** Life / Health / Safety

**Category:** Transportation

**House District:** Statewide (HD 1-40)

**Location:** Statewide

**Contact:** Steven Hatter

**Impact House District:** Statewide (HD 1-40)

**Contact Phone:** (907)269-0730

**Estimated Project Dates:** 07/01/2013 - 06/30/2018

**Appropriation:** Regulatory Compliance

**Brief Summary and Statement of Need:**

This project funds the installation of airport liquid deicing chemical storage, piping, pumps, and electrical modifications necessary to comply with the Environmental Protection Agencies requirement to use non-urea containing deicers.

<b>Funding:</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>Total</b>
Gen Fund	\$235,000						\$235,000
<b>Total:</b>	<b>\$235,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$235,000</b>

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

**Prior Funding History / Additional Information:**

No prior funding.

**Project Description/Justification:**

The Environmental Protection Agency's (EPA) Effluent Limitation Guidelines and New Source Performance Standards for the Airport Deicing Category final rule has been signed and will take effect in September 2013. Existing and new primary airports with 1,000 or more annual jet departures ("non-propeller aircraft") that generate wastewater associated with airfield pavement deicing are to use non-urea containing deicers, or alternatively, meet a numeric effluent limitation for ammonia. The new rule impacts the Sitka, Barrow, Bethel and Kodiak airports that currently utilize urea as their primary airport runway deicer. The department has determined that meeting the numeric effluent limitation for ammonia is not feasible and this forces the conversion from urea to E36 at the Sitka, Barrow, Bethel, and Kodiak Airports.

The Sitka, Barrow, and Bethel airports currently purchase and store urea in solid form delivered in 1 and/or 2 ton bags. E36 is delivered in liquid form and these airports are not currently equipped to store the required quantities of liquid deicers (Kodiak has adequate liquid storage). This project funds the installation of additional liquid deicer storage tanks, required pumps and piping, and necessary electrical modifications.