



**COMMISSION  
AGENDA MEMORANDUM**

**Item No.** 6d

**ACTION ITEM**

**Date of Meeting** November 12, 2019

**DATE:** October 16, 2019

**TO:** Stephen P. Metruck, Executive Director

**FROM:** Brendalynn Taulelei, Senior Maintenance Manager, Asset Management and Logistics  
Rob Lane, Maintenance Manager, Logistics

**SUBJECT:** Purchase of Liquid and Solid Pavement Deicers for the Airport and Seaport (Short Form)

**Amount of this request:** \$1,020,000

**Total estimated project cost:** \$3,220,000

**ACTION REQUESTED**

Request Commission authorization for the Executive Director to execute a contract revision for the purchase of liquid and solid pavement deicing agents for use at Seattle-Tacoma International Airport. The revision will be to add \$1,020,000 to the current contract of \$2,200,000 for a total estimated value of this contract of \$3,220,000. There will be no change to the term of the contract. We are one year into the contract which was bid as a one-year agreement with options for four additional one-year terms.

**SUMMARY**

Aviation Maintenance uses a combination of snow removal equipment and deicing agents during snow and ice conditions to maintain surfaces for arriving and departing aircraft and vehicle traffic that uses the airport roadways. In a typical snow season at the airport, it is necessary to execute multiple short-notice, high dollar-value purchases of liquid or solid deicer to prevent impacts to Airport operations on the runways and roadways. Executing procurement for liquid and solid deicer will allow the Aviation Division to be well prepared for winter weather operations.

During the 2013-14 through 2017-18 winter seasons, the Port of Seattle spent less than \$2,000,000 on liquid and solid surface deicing chemicals. On September 11, 2018, the Commission authorized for the Executive Director to execute a five-year contract for the purchase of liquid and solid pavement deicing agents for use at Seattle-Tacoma International Airport for an estimated total amount of \$2,200,000. The Port of Seattle spent \$1,020,000 in liquid and solid deicing chemicals during the 2018-2019 season. The current contract has capacity remaining that, under normal weather conditions, could last for 2 to 4 more years, but capacity could be exceeded if this season is equal or exceeds the deicing needs of the 2018-2019 season.

Meeting Date: November 12, 2019

Deicing chemicals have the potential to impact water quality as they degrade and wash off with stormwater runoff. To address this concern, the Port uses acetate-based deicing products which have a lower biochemical oxygen demand as it degrades in the environment than glycol-based fluids. In addition, over the past twenty years, Port Environmental has completed many studies demonstrating that Cryotech potassium acetate and sodium acetate products do not impact water quality. The study results have been reviewed and approved by the Department of Ecology.

There are no attachments to this memo.