



REQUEST FOR COUNCIL ACTION

AGENDA DATE: April 10, 2023

AGENDA ITEM: Consider purchasing AccuBatch brine equipment from Cargill Salt

PREPARED BY: Matt Wegwerth

BACKGROUND:

The Public Works Department would like to purchase the necessary equipment to begin making saltwater brine for deicing. In years past, the Public Works Department would purchase liquid magnesium/chloride to be used on local roads for deicing. The cost for this product has increased significantly in recent years which is making it cost prohibitive. The proposed AccuBatch brine making system will allow Public Works staff to produce deicing brine at a much lower cost. Below is a summary of the benefits and the proposed cost savings.

- Estimated \$35,000 annual savings
- Cost of liquid de-icer would be reduced from \$1.92/gal to \$0.47/gal.
- On-demand brine production and lower environmental impacts.

Existing Annual Operating Costs				
Item	Cost	Quantity	Loads	Total
Mag/Chloride	\$ 1.92	4200	6	\$48,384.00
Proposed Annual Operating Costs				
Item	Cost	Quantity	Unit	Total
Salt	\$ 75.05	30	ton	\$ 2,251.50
Power	\$ 0.02	26201	gallon	\$ 524.02
Water	\$ 0.07	26201	gallon	\$ 1,834.06
Additive	\$ 1.90	4000	gallon	\$ 7,600.00
				\$12,209.58

REQUESTED COUNCIL ACTION:

Make a motion to purchase and make payment for the AccuBatch brine maker system from Cargill Salt for \$32,612.00