



MEETING OF SEPTEMBER 19, 2023

TO: Mayor Jordan and City Council
THRU: Chris Brown, Public Works Director
FROM: Terry Gulley, Asst Public Works Director - Ops
DATE:
SUBJECT: **A resolution to award bid 23-28 and authorize the purchase of Salt Brine making equipment from Dultmeier Sales in the amount of \$78,000.00 plus sales tax.**

RECOMMENDATION:

A resolution to award bid 23-28 and authorize the purchase of Salt Brine making equipment from Dultmeier Sales in the amount of \$78,000.00 plus sales tax.

BACKGROUND:

Salt brine is a solution of salt (typically sodium chloride) and water. It has a freezing point lower than pure water and, as such, is a useful tool in reducing the adhesion of snow and ice to road surfaces. The Transportation Division produces salt brine and uses it as a pretreatment to maintain clear streets during ice and snow events. The first brine generator was purchased in 2003. It provided a mechanism to pretreat the City's roadways prior to the start of a winter storm. This method has increased the efficiency of the Division to return the citizens' ability to safely navigate around town and return to their normal lifestyle in the shortest amount of time.

DISCUSSION:

This machine has served us well over the last 20 years, but due to the growth of the city and the volume of brine it can produce it does not function at the level needed to provide the level of service needed by the Division. Currently both salt brine and beet juice along with rock salt is used to clear the streets of snow and ice. With the purchase of this new brine maker we will also gain the ability to blend these combinations in the solution to obtain the maximum results by using the minimum mixture needed to accomplish the task. This brine maker will be automated to make a preset concentration of solution thus maintaining a precise percentage of salt content. This unit also provides us with the ability to remove any impurities from the process without having to shut down production and disassemble the current machine in order to clean out the hopper, which will allow more production time for the Division, thus increasing efficiency .

BUDGET/STAFF IMPACT:

This item was brought forward March 7, 2023 and Resolution 53-23 was approved for the purchase of a different system and a budget adjustment. The previously approved system did not work out. However, the approved budget adjustment is sufficient to cover this cost.

ATTACHMENTS: SRF - Brine Equipment, Bid 23-28 Bid Tab - Final - Brine Equipment

Mailing address:

113 W. Mountain Street
Fayetteville, AR 72701

www.fayetteville-ar.gov