



CITY OF HENDERSONVILLE AGENDA ITEM SUMMARY

SUBMITTER: Ricky Levi **MEETING DATE:** 10/06/2022
AGENDA SECTION: Consent Agenda **DEPARTMENT:** Administration
TITLE OF ITEM: Continued Purchase of Chlorine for the City Water Treatment Plant - *Ricky Levi, WWTF Manager*

SUGGESTED MOTION(S):

I move City Council adopt the *Resolution by the City of Hendersonville City Council to Authorize the continued Purchase of Chlorine for the City Water Treatment Plant.*

SUMMARY:

The City of Hendersonville Water Treatment Plant utilizes chlorine. Chlorine is required by the state for certain levels in the treatment train for certain CT/Contact Times and a certain residual level must be maintained in the distribution system. Additionally, there are no other suppliers in our region. If we did go outside of our region – product availability, cost, safety, and would be an issue.

Requesting department has been looking for additional chlorine suppliers each year. When current staff took over position, staff was informed by other staff that there weren't any suppliers/vendors close enough that could provide chlorine in the containers nor amount used by the City. Requesting department has made several attempts to locate additional suppliers and has inquired to everyone in the industry contacts – with no success. Attached are example emails of the latest search efforts. Additionally, requesting department also brought in Brenntag chemical recently to look things over. It was learned that the vendor is unable to supply the amount needed by the City in ton containers and is not equipped to supply currently. This was basically the only lead requesting department had, and this vendor is not located in NC. The others with applicable capabilities were in either Florida or South Georgia. They, however, have to keep their regional customers supplied, so the City would not have a place of priority if that route was selected. The cost would also be higher due to shipping. In addition to increased cost, this distance is not in line with best safety practices.

Additionally, the City's RMP Risk Management Plan (which is filed with the USEPA, NCDEQ) and Emergency Management require certain safety training along with training at City facilities to be documented. The inspectors are more pleased when you stick with the same vendor as much as possible from a safe handling aspect.

Overall, there are no other viable options other than JCI Jones Chemical (out of Charlotte, NC) who can provide chlorine gas in the ton containers and in the volume the City requires for water treatment disinfection at the City's 12 million per gallon a day rated water treatment facility. The City uses 2000 lb. cylinders and one ton will last about 10 days. The City's maximum allowed facility storage amount

at any one time is 8 tons/16,000 lbs. This is regulated by the State and Federal government. The current bid price is \$2,103 per ton delivered, and this price is good until 12/31/2022. The volatile market is continuing at this time. The City also has much email documentation regarding extensive market volatility and price increases over the past year. Due to the cost escalation in the current market, chlorine costs are now exceeding formal bid thresholds. Costs have nearly quadrupled over the past year. Therefore, we are seeking council approval to continue use of JCI Jones Chemicals – although this does not follow formal bid policy – in order to ensure that we are able to consistently source this chemical safely and to ensure effective operation of our facilities.

BUDGET IMPACT: \$110,000.00

Is this expenditure approved in the current fiscal year budget? Yes

ATTACHMENTS:

Resolution