



AGENDA MEMORANDUM

Future Item for the City Council Meeting of September 20, 2016
Action Item for the City Council Meeting of September 27, 2016

DATE: September 20, 2016

TO: Margie C. Rose, City Manager

FROM: Dan Grimsbo, Interim Director Water Utilities
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Purchase of one DRI-Prime CD300M Electric Pump and one 200 HP Variable Frequency Drive
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CAPTION:

Motion approving the purchase of one DRI-Prime CD300M Electric Pump and one 200 HP Variable Frequency Drive from Godwin Pumps of Corpus Christi, Texas for a total amount not to exceed \$88,299.45. The award is based on the cooperative purchasing agreement with the Houston-Galveston Area Council (H-GAC). Funds have been set aside by the Water Department in FY2015-2016.

DRI-Prime CD300M Electric Pump	200 HP Variable Frequency Drive
\$54,969.20	\$30,930.25

Purchase Price:	\$85,899.45
Inbound Freight:	<u>\$2,400.00</u>
Total Amount:	\$88,299.45

PURPOSE:

The purpose of this pump purchase is to supplement/augment existing pumping systems located at the wash-water return pit and at the wash-water recycle pond, also known as Lagoon 7, located at O.N. Stevens Water Treatment Plant.

BACKGROUND AND FINDINGS:

Both the wash-water return pit and the wash-water recycle pond must have adequate pumping at all time in order to prevent inundation and overflows. The wash water recycle pond is over 80% full of treatment sludge, reducing the available space for water to less than 20%. Water must be pumped out of this pond and back to the beginning of the treatment process (pre-sedimentation basin) quickly in order to prevent an overflow of the pond. Note: an overflow of the recycle pond can lead to breaching of the pond levies and

damage to city and private property, along with regulatory violations. In the past, existing pumps were adequate for efficiently pumping water from the pond to the pre-sedimentation basin. However, in recent years, sludge accumulation in the recycle pond has reduced the pond's capacity for water to a degree where additional pumping has become necessary to prevent overflows. A portable diesel powered pump has been rented to augment the existing pumps. Though this rental was thought to be a short-term necessity, it has become apparent that a long-term additional pumping solution is needed until the lagoon is dredged and more space becomes available for water storage. This pump will also serve as stand-by for emergency pumping.

ALTERNATIVES:

The alternative is to continue renting a pump until the lagoon is dredged and additional pumping is no longer necessary. This option will cost approximately \$8,132.50 per month (including necessary piping) and an additional \$2,840 per month in fuel costs. The rental option cost approximately \$131,670 a year.

OTHER CONSIDERATIONS:

N/A

CONFORMITY TO CITY POLICY:

This purchase conforms to the City's purchasing policies and procedures and State statutes regulating procurement.

EMERGENCY / NON-EMERGENCY:

Non-Emergency.

DEPARTMENTAL CLEARANCES:

Water Department

FINANCIAL IMPACT:

x Operating

☐ Revenue

☐ Capital

☐ Not applicable

Fiscal Year: 2015-2016	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Line Item Budget		\$911,352.88	\$0	\$911,352.88
Encumbered / Expended Amount		\$633,741.35		\$633,741.35
This item		\$88,299.45	\$0	\$88,299.45
BALANCE		\$189,312.08		\$189,312.08

Fund(s): Water Fund

Comments: The \$88,299.45 shows the purchase price for one DRI-Prime CD300M Electric Pump and one 200 HP Variable Frequency Drive.

RECOMMENDATION:

Staff recommends approval of the motion as presented.

LIST OF SUPPORTING DOCUMENTS:

Price Sheet