



## **AGENDA MEMORANDUM**

Action Item for the City Council Meeting May 6, 2025

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**DATE:** April 29, 2025

**TO:** Peter Zanoni, City Manager

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<b>Blower Repairs and Alignment for the Wastewater Treatment Plants (WWTPs)</b>
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### **CAPTION:**

Resolution authorizing execution of a one-year service agreement, with two one-year options, based on a best-value bid, with Lone Star Blower, Inc., of Houston in an amount not to exceed \$310,000.00 with a potential amount up to \$930,000.00 if options are exercised, for blower repairs and alignment at wastewater treatment plants for Corpus Christi Water, with FY 2025 funding of \$310,000.00 from the Wastewater Fund.

### **SUMMARY:**

This agreement will provide the necessary repairs to ensure blower repairs and motor alignments at wastewater treatment plants (WWTP).

### **BACKGROUND AND FINDINGS:**

Corpus Christi Water operates six wastewater treatment plants (WWTPs) that utilize the conventional activated sludge process to treat raw sewage from residential, commercial, and industrial sources. This biological process employs a large number of microorganisms in aeration tanks to break down and stabilize organic waste in the raw sewage. High-powered blowers are necessary to provide sufficient air or oxygen in these aeration tanks, promoting the growth and reproduction of microorganisms. The blowers play a critical role in wastewater treatment, making their maintenance essential.

Lonestar Blowers manufacture, repair and service multi-stage centrifugal blowers and integrally

geared high-speed turbo blowers. CCW's wastewater treatment facilities have 40 blowers throughout. There are currently 4 blowers in service manufactured by Lone Star Blowers, with another 12 blowers coming online as a result of the upgrades to the Oso and Greenwood treatment facilities. Preventative maintenance on all blowers is performed by plant staff. Lone Star Blowers can perform minor repairs in the field, but major maintenance will require the blowers to be shipped back to their facility. Wastewater plants are designed with redundancy to meet operational requirements and can operate with a blower out of service.

### **PROCUREMENT DETAIL:**

Finance & Procurement conducted a competitive Request for Bid (RFB) process to secure a new contract for blower repairs and alignment at wastewater treatment plants (WWTPs). As part of this process, the city received four responsive and responsible bids, which were thoroughly reviewed by Procurement staff and the Corpus Christi Water Department to identify the best-value bidder.

The awarded bidder must demonstrate the best value through several key factors, including competitive pricing for services and parts, a strong reputation in service delivery, and consistently high-quality workmanship. Additionally, the bidder's previous relationship with the city, expertise in handling blowers as specified in Section 1.1(B) of the Scope of Work, and relevant references from the past five years play a critical role in the evaluation process. The city also considers the bidder's ability to respond swiftly to emergency calls, assessing both the time taken to arrive onsite and to complete an initial diagnosis as well as the estimated timeframe required to transition from assessment to the commencement of an emergency repair.

After careful consideration, staff is recommending the award to Lone Star Blowers Inc. of Houston, Texas, based on their responsiveness, dependability, ability to provide parts for blower repairs, and quality of service for the various types of blowers utilized by the Corpus Christi Water Department to maintain daily operations for the city. Additionally, Lone Star Blowers was the only company to demonstrate familiarity with repairs and maintenance on integrally geared high-speed turbo blowers. By weighing these elements, the city ensures that the contract, purchase orders, and task orders are awarded to the bidder providing the most effective, reliable, and cost-efficient service.

### **ALTERNATIVES:**

An alternative to awarding this service agreement is to reject the bids and not enter into a service agreement, which would require staff to solicit quotes each time the need for service arises. Having to solicit quotes as needed will result in a time delay due to the procurement process and may also lead to wastewater treatment violations.

### **FISCAL IMPACT:**

The fiscal impact for Corpus Christi Water in FY 2025 is \$310,000.00 from the Wastewater Fund.

### **FUNDING DETAIL:**

Fund:	4200	Wastewater
Organization/Activity:	33100	Broadway WWTP

Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	530215	Maint & repairs – contracted
Amount:	\$50,000.00	

Fund:	4200	Wastewater
Organization/Activity:	33110	Oso WWTP
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	530215	Maint & repairs – contracted
Amount:	\$80,000.00	

Fund:	4200	Wastewater
Organization/Activity:	33120	Greenwood WWTP
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	530215	Maint & repairs – contracted
Amount:	\$50,000.00	

Fund:	4200	Wastewater
Organization/Activity:	33130	Allison WWTP
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	530215	Maint & repairs – contracted
Amount:	\$40,000.00	

Fund:	4200	Wastewater
Organization/Activity:	33140	Laguna Madre WWTP
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	530215	Maint & repairs – contracted
Amount:	\$40,000.00	

Fund:	4200	Wastewater
Organization/Activity:	33150	Whitecap WWTP
Department:	46	Wastewater
Project # (CIP Only):	N/A	
Account:	530215	Maint & repairs – contracted
Amount:	\$50,000.00	

### **RECOMMENDATION:**

Staff recommends approval of this motion authorizing a one-year service agreement with two one-year options with Lone Star Blower, Inc., as presented.

### **LIST OF SUPPORTING DOCUMENTS:**

Resolution  
Service Agreement

Bid Tabulation