

Purchasing Notes

EVENT # 8463	TITLE: Purchase of 23 Danfoss Variable Frequency Drives	ORIGINAL CONTRACT: \$94,718
TYPE OF PROCUREMENT: Sole Source	ANNUAL CONTRACT <input type="checkbox"/> ANNUAL MAINTENANCE AGREEMENT <input type="checkbox"/>	ONE TIME PURCHASE <input checked="" type="checkbox"/>
CONTRACT TERM (IF APPLICABLE) N/A		
S/DBE (IF APPLICABLE) N/A		
MATRIX (IF APPLICABLE) N/A		
NOTES		
<p>Variable Frequency Drives (VFDs) is a type of motor controller that drives an electric motor by varying the frequency and voltage supplied to the electric motor.</p> <p>These VFDs will be used to control various motors, conveyors, fans, and pumps associated with our solids handling dryer. The Water Reclamation Department uses variable frequency drives to control motors, conveyors, fans, and pumps associated with our solids handling dryer. The dryer is currently utilizing an inferior Eaton DG1 Power XL VFDs. The Eaton VFD is failing at an alarming rate. Eaton is also having production problems and rarely has VFDs available for replacement. The unplanned downtime of our solids handling dryer has a major financial impact on the facility.</p> <p>When the solids handling dryer is offline, the cost of hauling wet sludge to the landfill is \$2,870.00 a day verses \$175.00 a day. For a contractor to supply 2 drivers and 2 trucks at \$140.00 per hour, tipping fees at the landfill is \$35.00 a ton at 50 tons of wet sludge a day. When the dryer is online, the Water Reclamation Department has enough manpower and equipment on hand to meet demands and the weight decreases to 10 tons every other day when dried. This averages tipping fee of \$175.00 a day which is a savings of \$2,695.00 a day. There was approximately 30 days of down time this year due to VFD failures and supply problems from Eaton, totaling approximately \$80,850.00 in sludge haling fees.</p> <p>This is a sole source because the City's Public Works and Water Resources Department has standardized on this type of drive and it is only available from this source. Goforth Williamson is the only authorized supplier in this region for these materials.</p> <p>Delivery: As needed. Terms: Net 30 days. The vendor is:</p> <p>S.S. GoForth Williamson (Griffin, GA)^(D) \$94,718</p> <p>(D) indicates non-local, non-DBE owned business.</p>		