

RESOLUTION AUTHORIZING PURCHASE OF TWO SINGLE-STAGE BLOWERS  
FOR THE T.Z. OSBORNE WATER RECLAMATION FACILITY 56 MILLION  
GALLONS PER DAY (MGD) UPGRADE PROJECT

WHEREAS, Siemens Energy, Inc. has developed an innovative way to provide high volume process air needs for aeration basins and other wastewater processes;

WHEREAS, one of the benefits of single-stage blowers is that the blower provides the air at a higher efficiency rate than a traditional multi-stage blower and are expected to reduce the aeration energy consumption by 15 percent compared to multi-stage blowers;

WHEREAS, the Water Resources Water Reclamation Division has used multi-stage blowers at T. Z. Osborne Water Reclamation Facility (WRF) since 1984;

WHEREAS, two new blowers will replace two of the multi-stage blowers from the original installation providing the process air needed for the 56 MGD upgrade at T.Z. Osborne WRF;

WHEREAS, the two single-stage blowers will be installed as part of package 2 construction project for the 56 MGD upgrade at T.Z. Osborne WRF;

WHEREAS, a sole source purchase from Siemens Energy, Inc. is being requested to for the following reasons: Siemens is the only reputable manufacturer of single-stage centrifugal blowers that has been engaged in and actively supports the North American municipal wastewater market for more than the past three years is used; has had extensive experience with projects of similar or greater capacity than the Greensboro WRF Expansion Project; and there are multiple US installations of the model proposed for Greensboro.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GREENSBORO:

That the sole source purchase in the amount of \$1,780,000 for the purchase of two single-stage blowers for the T. Z. Osborne Water Reclamation Facility 56 MGD Upgrade Project is hereby approved, payment to be made from the Water Resources Capital Improvements Fund Account No. 515-7056-02.6019A14106.