

MAYOR JIM GRAY



LEXINGTON

CHARLES H. MARTIN, P.E.
DIRECTOR
WATER QUALITY

To: Mayor Jim Gray
Lexington Fayette Urban County Council

From: Jennifer M. Carey for CHM
Charles H. Martin, P.E., Director
Division of Water Quality

Date: October 11, 2018

Subject: Replacement of a Sulzer Blower at West Hickman WWTP after the blower failed due to major component(s) equipment damage.

Request

The purpose of this memorandum is to request approval for the purchase of a new Sulzer ABS Blower for the West Hickman WWTP from Southern Sales Company, a sole source provider, at a cost not to exceed \$155,600.00.

Purpose of Request

The aeration of partially treated wastewater is a critical component of the overall treatment process. In spring of 2018, West Hickman had a catastrophic failure in one of the two blowers supplying air to the treatment process and is currently operating with 1 Sulzer blower and 2 rebuilt back-up blowers providing air to both Zones 1 and 2. The failed blower cannot be cost effectively repaired and a long-term reliance on the remaining blowers is not recommended because a failure to provide sufficient aeration during treatment likely would result in significant violation of the plant's discharge permit.

A replacement blower is being requested due to the extent of the damage, the cost of the repair and the risk of replacing the sensitive damaged components with only a one year warranty. A new blower has been offered at a reduced rate and will come with a 5 year warranty.

Replace and Repair Cost in FY19

The quote from Southern Sales Company for a new blower with a 5 year warranty is at a cost of \$155,600.00

Are Funds Budgeted

Funds are budgeted in:

4003 303401 3401 92711 2015 WHWWTP_RMP/CONSENT_DE

Martin

