

Staff Report

for the Board of Directors' Meeting of November 8, 2017

TO: Board of Directors
FROM: Gary King, PhD, PE, Engineering Manager
 Doug Hobbs, PE, Associate Engineer
DATE: October 31, 2017
SUBJECT: Rollins Low Level Outlet Valve (FATR#2076)

ENGINEERING

RECOMMENDATION:

Approve a purchase order with VAG USA, Limited Liability Company (LLC) in the amount of \$469,368.34 for the furnishing of a 60" fixed cone valve and support structure, and authorize the General Manager to sign all appropriate documents.

BACKGROUND:

The existing low level outlet valve at Rollins has reached the end of its useful life due to corrosion of the valve body. Staff investigated reconditioning the valve but due to the advanced stage of corrosion and the long time period needed to remove, rebuild, and reinstall the valve, reconditioning was determined to be infeasible. The new valve will be built with stainless steel to reduce corrosion and will include a support structure that will eliminate the shear and moment loads currently placed on the pipe flange to which the valve is attached.

The support structure for the valve can be modified in the future to support a hood to allow for a submerged or baffled installation in the event that the valve is relocated to accommodate a second powerhouse at Rollins.

Quotes were requested from four firms and the following three quotes were received on August 25, 2017:

VAG USA, LLC	\$469,368.34
Henry Pratt Company	\$675,000
Hilton Valve	\$692,606

It is the recommendation of staff to approve the purchase of the above referenced valve from VAG USA, LLC.

BUDGET IMPACTS:

Funding for this purchase is budgeted in the 2017 Hydro Reservoir, Dam & Water Improvement Account, 50112-52921-2076.

GDK