



## TriCo Regional Sewer Utility

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### **JOINT CAPITAL & CONSTRUCTION COMMITTEE AND BOARD OF TRUSTEES MEETING**

Monday, June 6, 2022 @ 4:30 P.M.  
7236 Mayflower Park Drive, Zionsville, IN 46077

#### **AGENDA**

1. Public Comment
2. Stationary Generators for Lift Stations 11, 14 & 26
3. Pump Replacements for Lift Stations 18, 20 & 21
4. Capital Project Updates
5. Other Business

Next Scheduled Meeting: July 5, 2022 @ 4:30 pm



## MEMORANDUM

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**To:** C&C Committee  
**From:** Wes Merkle  
**Date:** June 2, 2022  
**Subject:** Generators for Lift Stations 11, 14 & 26

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GRW completed plans and specifications for replacement of electrical and controls equipment at Lift Stations 11, 14 and 26. Lift Station 11 receives a new standby generator and automatic transfer switch. Lift Station 14 receives a new control panel with VFDs, a new generator, and a new automatic transfer switch. Lift Station 26 receives a new standby generator. Design of the new control panel for Lift Station 14, which is part of this project, is nearly complete. Both the control panel and equipment installation will be quoted separately.

The following quotes were received for standby generators and automatic transfer switches for Lift Stations 11, 14 and 26:

Caterpillar (MacAllister Machinery Co. Inc.)	\$242,361.24
Kohler (Buckeye Power Sales)	\$218,000.00
MTU (Interstate Power Systems, Inc.)	\$184,952.00

Delivery is anticipated in 9 months. The overall budget for this project is \$575,000.

Recommended Action: Recommend the Board approve purchasing standby generators and automatic transfer switches from Interstate Power Systems, Inc. for \$184,952.



## MEMORANDUM

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**To:** C&C Committee

**From:** Wes Merkle

**Date:** June 2, 2022

**Subject:** Pump Replacements for  
Lift Stations 18, 20 & 21 and  
Pump Impeller Upgrade for Lift Station 17

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Pumps at Lift Stations 18, 20 and 21 are past their 20-year service life and are due for replacement. Pumps at Lift Station 17 need larger impellers to increase their capacity, enabling us to stay ahead of growth in the northwest quadrant of our service area.

The following quotes were received for replacement pumps at Lift Stations 18, 20, and 21:

Flygt (Xylem Water Solutions USA, Inc.)	\$51,886.60
KSB (Straeffer Pump & Supply, Inc.)	\$46,100.00

TriCo has no KSB pumps, however both manufacturers have good reputations. TriCo has long used Flygt pumps for consistency in stocking spare parts and staff familiarity with maintenance and repair. Staff believes the overall cost to switch pump manufacturers outweighs the initial savings offered by KSB; therefore, staff recommends staying with Flygt. New pumps are sized for buildout capacity at these three lift stations.

Impellers for Lift Station 17 are only available from the existing pump manufacturer which is Flygt. Impellers and accessories were \$42,717. New pump bases for Lift Station 21 and spare parts for Lift Station 18, 20 and 21 pumps were \$8,761.

Delivery is anticipated in up to 4 months. Staff will install new pumps at Lift Stations 18 and 20, and new pump impellers at Lift Station 17. Pump installation at Lift Station 21 includes wet well piping and valve replacement, which will be quoted separately. The overall budget for this project is \$160,000.

**Recommended Action:** Recommend the Board approve purchasing replacement pumps from Xylem Water Solutions USA, Inc. for \$103,365.17.



## MEMORANDUM

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**To:** C&C Committee  
**From:** Wes Merkle  
**Date:** June 2, 2022  
**Subject:** Capital Project Updates

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The following updates are provided for ongoing capital projects. Please refer to the Capital Project Fact Sheets for background information on individual projects.

- #1902 – TriCo WRRF Expansion

The old VLRs are back in service. We have officially expanded plant capacity to 5.72 MGD. Plant staff drained the Orbal after flow was moved over to the VLRs. Grit removal equipment troubleshooting continues. We are awaiting replacement parts for two valve actuators. Once installed we are hopeful that grit removal will finally be started up. Crews continue punch list work and cleanup throughout the site. Final grading and seeding are underway.

- #2101 – Little Eagle Creek Interceptor Extension

Staff is working with legal counsel to proceed with easement acquisition. This project may be put on hold as the first development to be served by the sewer extension can connect to existing sanitary sewers via temporary lift station. Additional anticipated development in the area along Michigan Road will require extending gravity sewers.

- #2201 Lift Station 1 (Keystone/99<sup>th</sup> Street) Wet Weather Pump Replacement & Lift Station 2 (106<sup>th</sup>/Spring Mill) Pump #3 Replacement

Delivery of replacement pumps is expected this fall. Staff will install the new pump at Lift Station 2. Pump installation at Lift Station 1 includes wet well piping and lining, which will be quoted separately.

- #2202 Lift Station 8 (Laurelwood) Reconstruction, #2207 Lift Station 26 (Jackson's Grant) Parallel Force Main, and #2208 Lift Station 16 (Michigan/Sycamore Street) Reconstruction

Design services are underway. Construction is anticipated to start this fall.

- #2204, 2205 and 2206 Lift Stations 11, 14 and 26 Backup Generators

Staff requested and received quotes to purchase new stationary generators and automatic transfer switches. Delivery of new generators, automatic transfer switches, controls and equipment is expected this fall. Design of a new control panel for Lift Station 14, which is part of this project, is nearly complete. Installation will be quoted separately.

- Lift Stations 18, 20 and 21 Pump Replacements and Lift Station 17 pump impeller upgrades

Staff requested and received quotes to purchase new pumps and peripheral equipment. Staff will install new pumps at Lift Stations 18 and 20, and new pump impellers at Lift Station 17. Pump installation at Lift Station 21 includes wet well piping and valve replacement, which will be quoted separately.

The following projects will begin this year:

- #2203 Biosolids Building Addition
- #2301 Lift Station 10 (Ashbrook) Upgrades
- #2302 Lift Station 23 (126<sup>th</sup> Street/West Clay Elementary) Upgrades