



## TriCo Regional Sewer Utility

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### **CAPITAL & CONSTRUCTION COMMITTEE MEETING**

Monday, June 7, 2021 at 4:30 P.M.  
7236 Mayflower Park Drive, Zionsville, IN 46077

#### **AGENDA**

1. Public Comment
2. Dedications
3. Generator Sale
4. #2103 Neighborhood Sewer Extension Construction Contract Award
5. #1902 Plant Expansion Change Order 2
6. Capital Project Updates
7. Other Business

Next Scheduled C&C Meeting: Tuesday, July 6, 2021 at 4:30 pm



## MEMORANDUM

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**To:** Capital and Construction Committee

**From:** Wes Merkle

**Date:** June 2, 2021

**Subject:** Dedications

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Bellevue sanitary sewers are complete and ready for dedication. Staff recommends acceptance of these sewers.

Recommended Action: Accept the dedication of Bellevue sanitary sewers.



## MEMORANDUM

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**To:** C&C Committee  
**From:** Wes Merkle  
**Date:** June 3, 2021  
**Subject:** Plant Generator Sale

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Last month the Board declared the old generator and related equipment as surplus upon its decommissioning. The new plant generator and automatic transfer switch are installed and operational, and the old equipment has been taken offline. Staff conducted a bidding process to sell the generator. Bids were received from two companies. The highest and best offer was by Aqua Indiana, Inc. for \$77,500.

Recommended Action: Approve the sale of the old plant generator to Aqua Indiana, Inc. for \$77,500.



## MEMORANDUM

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**To:** C&C Committee  
**From:** Wes Merkle  
**Date:** June 3, 2021  
**Subject:** #2103 Neighborhood Sewer Extension  
Construction Contract Award

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The following bids were received on June 3 for the subject project:

TPI Utility Construction	\$ 408,300
Miller Pipeline, LLC	\$ 826,410

The budget for this year's neighborhood sewer extension project is \$300,000. Staff included some additional money in the future for smaller projects extending sewers to estate lots as requests are received from individual homeowners. This year's project exceeds budget, as discussed earlier this year, because two areas were added to the scope of the project: 500 South and US 421.

The proposed project extends sewers to 106 properties in Long Brook, Bridlewood, Countrywood, 500 South, and north US 421. Bridlewood, Countrywood, East 500 South, and US 421 all have property owners requesting service. Service for properties along US 421 will eventually be via gravity sewer, however the timeline for gravity sewer is development driven and is currently unknown. Once gravity service is extended to this area, the low pressure sewer can be repurposed to offer service to other nearby parcels not currently in our service area.

Several Long Brook homeowners had requested service the last few years but have since proceeded with septic systems. The neighborhood still wants access to sewer, so staff completed design and permitting as a part of this project. Easement acquisition is ongoing. Staff recommends proceeding with sewer construction at a later date when one or more homeowners requests service. Construction costs for Long Brook were excluded from the above bid numbers.

Bids were broken down by neighborhood/area. If Long Brook is removed from this construction contract, TPI's bid is \$340,840 and Miller's bid is \$698,815. TPI Utility Construction was the lowest responsive and responsible bidder under any scenario considered.

As of June 3, we continue to wait for a construction permit approval from IDEM.

Recommended Action: Contingent upon approval of construction permits from IDEM, award the #2103 2021 Neighborhood Sewer Extension construction contract to TPI Utility Construction for \$340,840, and postpone Long Brook construction until one or more homeowners are ready to connect to sewer.



## MEMORANDUM

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**To:** C&C Committee  
**From:** Wes Merkle  
**Date:** June 3, 2021  
**Subject:** #1902 Plan Expansion Change Order 2

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Over the past 12 months staff continued to work with Thieneman and GRW on multiple changes listed below. Changes include several value engineering items, material substitutions due to availability, and infrastructure enhancements.

- Clarifiers equipment revert VE change to full bridges per Evoqua (add \$40,000)
- MCC-1 neutral modifications (\$0)
- HVAC modifications to FCU 1 & 2 (add \$4,357)
- Odor duct insulation modifications (add 3,584)
- Delete NEMA12 disconnects for RAS valves (deduct \$1,233)
- Delete project signage (deduct \$1,050)
- Add concrete nonskid surface hardener (add \$3,366)
- Pressure relief valve product change (add \$2,548.75)
- Modify guard rail around pond (credit \$15,015)
- Replace original gate operator (add \$4,098.83)
- Clarifier drain valve product change (credit \$5,000)
- Grating modifications (credit \$52,500)
- MCC conduit roof framing support modifications (add \$8,772.15)
- New generator wiring modifications (add \$1,820)
- Delete epoxy floor coatings (credit \$8,064)
- Pretreatment dumpster pickup reimbursement (credit \$143.06)
- Blower harmonic filter enclosure modifications (add \$2,004)

Change Order 2 resulted in a net credit of \$12,454.33. The new contract amount will be \$21,622,395.67.

Change Order 2 was approved by the Utility Director, Drew Williams. No Board action is requested at this time.



## MEMORANDUM

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**To: C&C Committee**

**From: Wes Merkle**

**Date: June 3, 2021**

**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.

1. #1802 – Haver Way Sewer Improvements (located southwest of Keystone and 96th Street)

This project is complete.

2. #1902 – TriCo WRRF Expansion

Staff continues to wait for completion and startup of two new screens and a new compactor/conveyor. The manufacturer and contractor will modify this equipment after it was not built or installed correctly. Process piping installation continued for the grit washers, which are on the upper level of the pretreatment building. Concrete repairs and cleanup work continue on the grit structure which sit behind the pretreatment building. VLR work continues: grinding and patching concrete, backfilling, and equipment installation. Crews still need to regrout all of the large gates then redo leakage testing.

Equipment installation work is nearly complete in the three new clarifiers. Crews recently poured grout floors in all three clarifiers. Yard (buried process) piping continued in multiple locations: mixed liquor from the Orbal to the new splitter structure, secondary effluent from the UV back to the new clarifiers, RAS, WAS and scum lines from the new clarifiers. Corrections were made to improperly installed chemical feed piping and UV equipment. Chemical feed and UV equipment has been operating as expected since then. VLR blower installation continued. An existing VLR blower motor and connected variable frequency drive failed; the motor and drive were replaced. Failure was caused by due to dust and debris buildup from nearby construction activity.

Crews completed installation of the new permanent automatic transfer switch and 2 megawatt generator. Startup, testing and training were complete and the

equipment is in service. Electrical work continued with MCC-X replacement, new RAS/WAS pump building wiring, and new clarifier conduit/wiring.

3. #1906 – Eagle Creek Outfall Sewer Expansion (located between TriCo WRRF and Eagle Creek to the west)

Sewers are complete and in service. Testing and restoration work is expected to be complete this month.

4. #2002 – Lift Station 2 (106th/Spring Mill Road) Odor Control System Replacement

Work has begun at the site. Completion is expected by the end of June.

5. #2004 – Lift Station 1 (99th/Keystone) Repairs

The new generator is online. Punch list work is expected to be complete this month.

6. #2101 – Little Eagle Creek Interceptor Extension

Staff continued working with area property owners to secure access for surveying as well as needed easements. Little progress on site survey and design was made. Zionsville may rezone property in part of the area to be served, which will be at odds with proposed development.

7. #2102 – Lift Station 16 Reconstruction

No update this month. Staff plans to issue a request for proposals to engineering firms for design services when development at Michigan Road and Sycamore Street moving forward.

8. #2103 – Long Brook, Bridlewood & Countrywood Sewer Extension

Bids for construction were received. If a construction contract is awarded by the Board, sewers should be complete and in service this fall.