



TriCo Regional Sewer Utility

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JOINT CAPITAL & CONSTRUCTION COMMITTEE AND BOARD OF TRUSTEES MEETING

Monday, October 2, 2023 at 4:30 P.M.
7236 Mayflower Park Drive, Zionsville, IN 46077

AGENDA

1. Public Comment
2. Dedications
3. Surplus Equipment
4. Service Agreement Amendment for Highlands Latin School
5. 2024 Capital Budget
6. Capital Project Updates
7. Other Business

Next Scheduled Meeting: Monday, November 6, 2023 at 4:30 pm



MEMORANDUM

To: Capital and Construction Committee

From: Wes Merkle

Date: September 28, 2023

Subject: Dedications

Towns at Appaloosa Section 2 sanitary sewers are complete and ready for dedication. Staff recommends acceptance of these sewers.

Recommended Action: Recommend the Board accept the dedication of Towns at Appaloosa Section 2 sanitary sewers.



MEMORANDUM

To: Capital and Construction Committee
From: Aaron Strong
Date: September 28, 2023
Subject: Surplus Equipment

Staff requests the Board declare the following equipment surplus:

- Cummins portable 210kW generator
- Thompson 6" pad mounted pump

The equipment will be sold using the public bidding process.

Requested Action: Recommend the Board declare the Cummins portable 210kW Generator and Thompson 6" pad mounted pump as surplus equipment.



MEMORANDUM

To: Capital and Construction Committee

From: Wes Merkle

Date: September 28, 2023

Subject: Service Agreement Amendment for Highlands Latic School

In May 2020, TriCo entered into a Service agreement allowing the Highlands Latin School to temporarily connect to TriCo sewers. The proposed school, which is expected to begin construction this year, will be located north of 146th Street and west of Shelborne Road, in Westfield and in Citizens' service area. The school will connect to TriCo sewers from Overbrook Farms just south of 146th Street. If Citizens does not extend sewers to the school and disconnect them from TriCo within ten years, the school will remain TriCo's customer permanently.

The agreement, however, allowed the school three years to make connection to TriCo sewers. The school requested additional time to make connection per the agreement, and Citizens demanded the disconnection deadline be extended to November 30, 2030.

Requested Action: Recommend the Board approve the Service agreement amendment.

AMENDMENT TO TEMPORARY SERVICE AGREEMENT

This amendment is intended by all parties to modify certain information and deadlines established in the original agreement made and executed May 11, 2020 by and between Citizens Wastewater of Westfield, LLC (“Citizens”), TriCo Regional Sewer Utility (“TriCo”), Byrum Family Limited Partnership (“Byrum”), and Indy Latin School Association, Inc. d/b/a Highlands Latin School Indianapolis (the “School”). This amendment is specifically allowed by section 6(j) of the original Agreement.

Amendment 1.

The Byrum Family Limited Partnership sold its interest in the real Property located at 3810 W. 146th Street in the City of Westfield, Indiana to the Indy Latin School Association, Inc. d/b/a Highlands Latin School Indianapolis and, thus, is no longer a party to the Agreement.

Amendment 2.

Section 3(c) of the Agreement shall be modified to read as follows: “If Trico sanitary sewers are not complete and providing service to the School by November 30, 2023, the Agreement shall be null and void.”

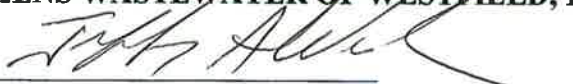
Section 4(d) of the Agreement shall be modified to read as follows: If Citizens does not disconnect the School’s Facilities on the Property from TriCo sewers and connect such facilities to Citizens sewers within 10 years from November 30, 2020, Citizens shall immediately transfer the Property from its service territory to TriCo’s territory such that the School shall permanently remain TriCo’s direct retail customer.

The Effective Date of this Amendment shall be July 28, 2023.

All other terms of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the undersigned certify that they are duly authorized and empowered to execute this Agreement and thus bind the entity on whose behalf they sign as of the Effective Date shown.

CITIZENS WASTEWATER OF WESTFIELD, LLC

By: 

Name: Jeffrey A. Willman

Title: President

TRICO REGIONAL SEWER UTILITY

By: _____

Name: _____

Title: _____

HIGHLANDS LATIN SCHOOL INDIANAPOLIS

By: Tim S. Huston

Name: Tim S. Huston

Title: Board President



MEMORANDUM

To: Capital and Construction Committee

From: Wes Merkle

Date: September 28, 2023

Subject: 2024 Capital Budget

The proposed 2024 Capital Budget is attached.

In 2023, staff completed or expects to complete the following projects:

- #2201 Lift Station 1 wet weather pump replacements (Keystone/99th Street)
- #2202 Lift Station 8 Reconstruction (Laurelwood)
- #2204 Lift Station 11 Added Generator (106th/Bennett Parkway)
- #2205 Lift Station 14 Generator and Controls Replacement (Austin Oaks)
- #2206 Lift Station 26 Added Generator (Jackson's Grant)
- #2207 Lift Station 26 Parallel Force Main (Jackson's Grant)
- #2208 Lift Station 16 Replacement/Relocation (Michigan Road/Sycamore)
- Lift Station 21 Pump and Discharge Piping Replacement (High Grove)

The following project will be designed and bid in 2023, with construction or installation to be completed in 2024:

- #2301 Lift Station 10 Upgrades (Ashbrook)

The following projects may begin or continue in 2024, pending capacity needs and private development.

- Lift Station 23 Upgrades (126th Street near West Clay Elementary)
- Little Eagle Interceptor Extension
- Lift Station 6 (Walden Pond) Elimination and 99th Street Interceptor Extension

The pump truck will be replaced in 2024. Changes from 2023 include updated project costs based on changes in scope, inflation, or both. Some projects were pushed back one or more years. Multiple equipment replacement projects were added at the plant and collection system where equipment will reach the end of its service life. Upgrade projects at Lift Station 14 (Austin Oaks) as well as the Little Eagle Interceptor were added to accommodate anticipated capacity for Union Township service.

The 2023 Capital Budget included \$22.5 million in spending from 2023 through 2028. The draft 2024 Capital Budget includes \$22.7 million for that same period, including actual spending in 2023. Actual spending for 2023 will be \$0.9 million under budget.

2024 Capital Budget - DRAFT

CAPITAL BUDGET LAST UPDATED 9/28/2023

See project fact sheets for more information on individual projects

Project		Near-term	Year	Year	Year	Manager In	Funding Source	2023 Budget	2023 Spending	2023 Total	2023 projected	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Change from 2023 Approved Capital Budget to 2024 Capital Budget	
Location	No. Project	Priority	Earliest	Latest	Budgeted	Charge			Thru Aug	Projected Spending	Spending Sept-Dec	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Note	
WRRF	Michigan Road Water Resource Recovery Facility																						
	1902	WRRF Expansion	High	2020	2022	2019-22	WM	Bond Proceeds	\$ -	\$ 56,640	\$ 56,640	\$ -											Project cancelled. Alternatives: do nothing and contract out vector services in winter, insulate and heat storage barn, incorporate biosolids bldg addition with belt press replacement in '26.
	2203	Biosolids building addition	High	2020	2023	2022-23	WM	Operating	\$ 400,000	\$ -	\$ -	\$ -											Climate controlled storage vector truck & equip
	2349	Pretreat building/Mayflower landscape	Medium	2022	2023	2022-23	WM	Operating	\$ 60,000	\$ -	\$ -	\$ -	\$ 75,000										Screen building along Mayflower Pk Dr w trees & shrubs
	2350	Plant signage, Office outreach displays & acoustic improvements	High	2021	2023	2022-23	WM	Operating	\$ 40,000	\$ -	\$ -	\$ -	\$ 40,000										Pushed to '24; budget adjusted to include fence relocation.
	2601	WRRF Belt filter press replacement	Medium	2025	2027	2025-27	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 2,100,000									
		Plant Pump Replacements- SHT 4/5, Plant LS, SCM LS 47	Medium	2021	2025	2024	SW	Reserve for Replacement	\$ -	\$ 38,321	\$ 38,321	\$ -	\$ 65,000										Replace failing Hydromatic pumps
		Replace pump RASPS501+WASP5501, VFD& controls	High	2023	2025	2024	SW	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 105,000										2 of 5 pumps replaced in '23 due to premature failure
		Roof Replacements- PTB, RAS/WAS, Chem and Barn	High	2023	2023	2023	SW	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 80,000										Replace roofing material at the end of its service life
		Clarifier 4 scum collection upgrade	Medium	2022	2027	2026	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 150,000										Convert to a full radius scum beach
		Replace Clarifier 4,5,6 unitube headers	Low	2026	2030	2026	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 100,000										Cost adjusted
		Replace blowers, VFDs& controls: VLR B5002&-03, SHT1-3	Low	2031	2035	2033	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -								\$ 660,000		Replace equipment at the end of its service life
		Replace pump RASPS502, VFD& controls	Low	2029	2033	2031	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -						\$ 75,000				Replace equipment at the end of its service life
		Replace VLR1-4 mixers & both AZ wall pumps	Low	2031	2035	2033	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -								\$ 175,000		Replace equipment at the end of its service life
		Replace Pumps & Controls RASPS-03 & WASPS5-02	Low	2031	2035	2033	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -								\$ 120,000		Replace equipment at the end of its service life
		Replace Plant PLCs	Low	2026	2030	2028	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 125,000							Replace equipment at the end of its service life
		Replace UV HSC & SCC	Low	2031	2035	2033	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -									\$ 225,000	Replace equipment at the end of its service life
		Replace VLR 3 & 4 rotor motors/drives	Low	2033	2038	2033	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -									\$ 160,000	Replace equipment at the end of its service life
		Chem Bldg MCC Update	Low	2025	2035	2030	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ -					\$ 50,000					Remove/replace obsolete electrical equipment
	2351	Annual Plant Improvement & Repair Projects				annual	SW	Operating	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000		Typical annual expenditures
LS 1	Carmel Creek																						
	2201	LS 1 Replace wet weather pumps	High	2020	2023	2022-23	WM	Reserve for Replacement	\$ 140,000	\$ 134,685	\$ 143,853	\$ 9,168											Replace equipment at the end of its service life.
		LS 1 Replace/upsized dry weather pumps	Low	2027	2030	2030	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -							\$ 150,000				Replace equipment at the end of its service life.
	2352	LS1 ARV Replacement Project	Medium	2022	2204	2023	AS	Reserve for Replacement	\$ 80,000	\$ -	\$ -	\$ -	\$ 80,000										Replace 3 non-functional ARV's
	2353	Surge Relief Valves LS1 & LS 2	Medium	2022	2024	2023	AS	Reserve for Replacement	\$ 55,000	\$ -	\$ -	\$ -	\$ 60,000										Moved to '24
LS 2	Meridian Corridor																						
	2801	106th Street Parallel Force main (LS 2 to Ditch Road)	Low	2024	2028	2028	WM	Interceptor	\$ -	\$ -	\$ -	\$ -				\$ 1,900,000							Timing is based on when capacity is needed.
		LS 2 Replace Pump 3	High	2022	2030	2022	WM	Reserve for Replacement	\$ -	\$ 14,086	\$ 14,086	\$ -											Replace equipment near the end of its service life, eliminate macerators and reduce power consumption.
LS 3	Northern Heights																						
		Pump Replacement	Low	2029	2033	2031	AS	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -							\$ 60,000				Replace equipment at the end of its service life.
LS 5	Spring Mill Streams																						
	2701	Interceptor extension & lift station elimination	Low	2022	2033	2027	WM	Interceptor	\$ -	\$ -	\$ -	\$ -			\$ 500,000								Combine this project with the LS19 elimination project.
LS 6	Waldon Pond																						
	2401	Interceptor extension & lift station elimination	Medium	2020	2028	2023-24	WM	Interceptor	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000	\$ 950,000									Timing is development driven. Some 99th St residents have requested sewer service recently.
LS 7	Laurelwood Sub																						
		Pump replacements	Low	2025	2028	2028	AS	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -			\$ 40,000								Replace equipment at the end of its service life.
LS 8	Laurelwood																						
	2202	LS 8 Reconstruction	High	2020	2023	2022-23	WM	Operating	\$ 1,900,000	\$ 1,231,764	\$ 1,881,764	\$ 650,000											Wet weather capacity and redundancy needed
LS 9	Towne Road																						
		Pump & control panel replacement	Low	2029	2032	2030	AS	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -						\$ 150,000					Replace equipment at the end of its service life.
LS 10	Michigan Road																						
	2301	LS 10 Replace pumps, wet well piping, controls, backup generator	High	2020	2024	2023-24	WM	Reserve for Replacement	\$ 100,000	\$ 6,850	\$ 56,850	\$ 50,000	\$ 1,200,000										Wet weather capacity needed. Scope is pending force main troubleshooting
LS 11	Boone County																						
	2204	Backup generator	Medium	2022	2025	2022-23	WM	Operating	\$ 50,000	\$ 62,086	\$ 62,086	\$ -											Location has occasional outages with little storage and time for emergency response
		Control panel replacement	Low	2028	2035	2031	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -							\$ 90,000				Replace aging equipment
LS 12	Kingsmill																						
		Pump & control panel replacement	Low	2031	2033	2032	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -								\$ 160,000			Replace equipment at the end of its service life.
LS 14	Austin Oaks																						
	2205	LS 14 Generator & control upgrades	Medium	2019	2023	2022-23	WM	Reserve for Replacement	\$ 200,000	\$ 139,100	\$ 199,100	\$ 60,000											Replace equipment at the end of its service life.
		Pump Replacement	Low	2024	2034	2032	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -								\$ 175,000			Moved to 2032 w LS upgrade project
		LEC Interceptor Upsizing	Low	2029	2034	2031	WM	Interceptor	\$ -	\$ -	\$ -	\$ -							\$ 3,000,000				Upsize to 30" from LS14 to LEI-10
		LS 14 Improvements	Low	2030	2035	2032	WM	Interceptor	\$ -	\$ -	\$ -	\$ -								\$ 3,200,000			Expand lift station to 4.6 MGD and prepare for future capacity improvements
	2502	LEC Interceptor extension	Medium	2019	2025	2024-25	WM	Interceptor	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 1,100,000									Extend service to multiple developments
LS 16	Zionsville Presbyterian																						
	2208	LS 16 Replacement/relocation	High	2022	2023	2022-23	WM	Interceptor	\$ 1,100,000	\$ 529,714	\$ 1,344,714	\$ 815,000											Timing is development driven.
LS 17	Zion Hills																						
	2501	Odor Coltrol & Fence Replacement												\$ 250,000									Development around lift station, added portable scrubber to help with odor
		LS 17 Pump & electrical upgrades	Medium	2022	2025	2024-25	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,500,000									Timing is based on when capacity is needed.
LS 18	Train Express																						
		Line Wet Well	High	2024	2025	2024	AS	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 8,500								\$ 95,000		Replace equipment at the end of its service life.
LS 19	Village of West Clay																						
	2701	Interceptor extension & lift station elimination	Low	2022	2028	2027	WM	Interceptor	\$ -	\$ -	\$ -	\$ -			\$ 1,500,000								Combine this project with the LS5 elimination project.
LS 20	Mayflower Park																						
		Control panel replacement	Low	2029	2033	2031	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -							\$ 80,000				Replace equipment at the end of its service life.
LS 21	High Grove																						
	2354	Pump replacement	High	2022	2023	2022-23	AS	Reserve for Replacement	\$ 30,000	\$ -	\$ 30,000	\$ 30,000											Replace equipment at the end of its service life.
	2901	Interceptor extension & lift station elimination	Low	2022	2035	2029	WM	Interceptor	\$ -	\$ -	\$ -	\$ -					\$ 700,000						Timing is development driven - unlikely to move forward soon due to recent property acquisition.
LS 22	North Augusta																						
		(no projects)							\$ -	\$ -	\$ -	\$ -											
LS 23	126th Street																						
	2302	LS 23 Pump & electrical upgrades	High	2022	2024	2023-24	WM	Reserve for Replacement	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000	\$ 400,000									Additional capacity needed

2024 Capital Budget - DRAFT

CAPITAL BUDGET LAST UPDATED 9/28/2023

See project fact sheets for more information on individual projects

Location	Project No.	Project	Near-term Priority	Year needed Earliest	Year needed Latest	Year Budgeted	Manager In Charge	Funding Source	2023 Budget	2023 Spending Thru Aug	2023 Total Projected Spending	2023 projected spending Sept-Dec	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Note	Change from 2023 Approved Capital Budget to 2024 Capital Budget				
													2024	2025	2026	2027	2028	2029	2030	2031	2032	2033						
LS 24		Parkwood West																										
		Pump & control panel replacement	Low	2025	2028	2025	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -		\$ 110,000										Replace equipment at the end of its service life.	Cost adjusted			
LS 25		Towne Oak Estates																										
		Pump & control panel replacement	Low	2029	2031	2030	WM	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -						\$ 140,000						Replace equipment at the end of its service life.	Updated project scope			
LS 26		Jacksons Grant																										
	2206	LS 26 Backup Generator	Medium	2022	2025	2022-23	WM	Operating	\$ 150,000	\$ 65,237	\$ 110,237	\$ 45,000																
	2207	LS 26 Parallel Force Main	High	2022	2023	2022-23	WM	Interceptor	\$ 1,600,000	\$ 284,956	\$ 1,484,956	\$ 1,200,000												Additional capacity needed				
	2702	LS 26 Additional pumps & controls	High	2022	2028	2027	WM	Interceptor	\$ -	\$ -	\$ -	\$ -		\$ 300,000										Install added pumps when LS 5/19 are tied in				
LS 27		Haver Way																										
		(no projects)							\$ -	\$ -	\$ -	\$ -																
General collection system projects																												
	2355	Annual Misc. Repairs, Replacements & Line Relocations	Medium			annual	AS	Reserve for Replacement	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	Repairs are made as problems are found during televising.				
	2356	Future Sewer Extension Projects	Medium			annual	WM	Interceptor	\$ 50,000	\$ 14,462	\$ 14,462	\$ -	\$ 50,000	\$ 50,000	\$ 50,000									Extend service into unsewered areas				
Equipment																												
	2357	Vehicles	Medium			varies	DW	Operating	\$ 40,000	\$ 47,583	\$ 47,583	\$ -	\$ 45,000	\$ 45,000	\$ 45,000	\$ 40,000	\$ 50,000	\$ 50,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 60,000	\$ 60,000	Scheduled Replacement of Aging Vehicles (#45 in '24, #35 in '25, #25 in '26, #95 in '27)	Cost adjusted			
	2358	Laboratory Equipment	Medium			varies	SW	Reserve for Replacement	\$ 5,000	\$ 6,142	\$ 6,142	\$ -	\$ 5,000		\$ 5,000		\$ 5,000		\$ 5,000		\$ 5,000		\$ 5,000	Replacement and Upgrades to Lab equipment				
		Future annual equipment and software purchases	Medium					Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	Annual capital purchases needed to maintain operations.				
	2359	Low Pressure Valve Maintenance Project	High	2023	2025	2023	AS	Operating	\$ 20,000	\$ 3,200	\$ 3,200	\$ -																
	2360	Plow Replacement V42	Medium	2023	2024	2023	AS	Reserve for Replacement	\$ 10,000	\$ 9,540	\$ 9,540	\$ -																
	2361	Easement Clearing	High	2023	2024	2023	AS	Operating	\$ 35,000	\$ 8,925	\$ 8,925	\$ -																
	2362	CCTV Truck Replacement	High	2022	2024	2023/27	AS	Reserve for Replacement	\$ 65,000	\$ 54,887	\$ 54,887	\$ -			\$ 340,000									New Camera/Tractor/Winch in '23, Full equipment replacement in '27				
		Aquatech Replacement	Low	2026	2028	2025	AS	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 350,000											Replace 2011 Freightliner Sewer Cleaning Truck				
		Pump Truck Replacement	Medium	2024	2025	2024	AS	Reserve for Replacement	\$ -	\$ -	\$ -	\$ -	\$ 220,000											Replace 2008 F550 Super Duty Crane service truck				
	2363	Security/Process Cameras	Medium	2022	2025	2023	SW	Operating	\$ 10,000	\$ 9,755	\$ 9,755	\$ -	\$ 15,000											Additional security/process cameras				
	2364	Drying Bed Rehab	Medium	2022	2025	2023	SW	Reserve for Replacement	\$ 15,000	\$ -	\$ -	\$ -	\$ 15,000											Replace runners that are dewed into the walls.				
	2365	Actuator Replacement PTB&WAS4&5	High	2023	2023	2023	SW	Reserve for Replacement	\$ 40,000	\$ 29,554	\$ 36,054	\$ 6,500																
	2366	Flow Meter Replacement	Medium	2023	2023	2023	SW	Reserve for Replacement	\$ 55,000	\$ 53,090	\$ 53,090	\$ -																
	2367	Kubota Replacement	Medium	2023	2024	2023	SW	Reserve for Replacement	\$ 20,000	\$ -	\$ 23,534	\$ 23,534												Over due to not trading in the old unit, sold it on auction.				
	2368	Office Irrigation	Medium	2023	2024	2023	SW	Operating	\$ 20,000	\$ 18,895	\$ 18,895	\$ -																
	2369	Office Humidors	Medium	2023	2024	2023	SW	Operating	\$ 13,000	\$ 15,990	\$ 15,990	\$ -																
	2370	Chemical Buidling Garage Door	High	2023	2023	2023	SW	Reserve for Replacement	\$ 10,000	\$ 9,613	\$ 9,613	\$ -																
	2371	HACH Equipment Replacment	High	2023	2023	2023	SW	Reserve for Replacement	\$ 70,000	\$ 69,802	\$ 69,802	\$ -																
	2372	Post Aeration Electrical Upgrades	Medium	2023	2023	2023	SW	Operating	\$ 15,000	\$ 9,084	\$ 9,084	\$ -																
		Portable generators	High	2022	2022	2022	AS	Reserve for Replacement	\$ -	\$ 65,237	\$ 65,237	\$ -												Budgeted \$230,000 in 2022 - expenses incurred in '23				
		Plotter Replacement	Medium	2024	2024	2024	SW	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 10,000											New plotter to replace the existing unit; no longer supported.	Added equipment			
		Lab Incubator	High	2024	2024	2024	SW	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 6,000											A new E.coli incubator	Added equipment			
		Laboratory Dishwasher	Medium	2024	2024	2024	SW	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 15,000											A replacement dishwasher for the lab	Added equipment			
		Influent Sampler	High	2024	2024	2024	SW	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 15,000											A replacement sampler for the old influent sampler	Added equipment			
		Snow Plow	Medium	2024	2024	2024	SW	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 5,000											Snow plow for the Kubota	Added equipment			
		Server Replacement	High	2024	2024	2024	SW	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 40,000											Replace HV04 server; hosts ArcGIS and TS	Added equipment			
		Bauer Fittings for LS Hard Suction	High	2024	2024	2024	AS	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 8,000											Emergency bypass fittings and hose needs replaced	Added equipment			
		Plasma Cutter	Medium	2024	2025	2024	AS	Reserve for Replacment	\$ -	\$ -	\$ -	\$ -	\$ 4,000											Safer cutting in confined space replace cutting torch	Added equipment			
Administration Projects																												
									Totals	\$ 6,798,000	\$ 2,989,199	\$ 5,878,400	\$ 2,889,202	\$ 2,761,500	\$ 3,710,000	\$ 4,645,000	\$ 3,135,000	\$ 2,565,000	\$ 1,205,000	\$ 995,000	\$ 3,815,000	\$ 4,040,000	\$ 1,800,000					
									Bond Proceeds	\$ -	\$ 56,640	\$ 56,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
									Operating	\$ 2,903,000	\$ 1,472,520	\$ 2,167,520	\$ 695,000	\$ 325,000	\$ 195,000	\$ 195,000	\$ 190,000	\$ 200,000	\$ 200,000	\$ 205,000	\$ 205,000	\$ 205,000	\$ 205,000	\$ 60,000				
									Reserve for Replacement	\$ 1,095,000	\$ 630,907	\$ 810,109	\$ 179,202	\$ 2,045,500	\$ 1,415,000	\$ 4,150,000	\$ 645,000	\$ 465,000	\$ 305,000	\$ 790,000	\$ 610,000	\$ 635,000	\$ 1,740,000					
									Plant Expansion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
									Interceptor	\$ 2,800,000	\$ 829,132	\$ 2,844,132	\$ 2,015,000	\$ 300,000	\$ 2,100,000	\$ 50,000	\$ 2,300,000	\$ 1,900,000	\$ 700,000	\$ -	\$ 3,000,000	\$ 3,200,000	\$ -					
									Total	\$ 6,798,000	\$ 2,989,199	\$ 5,878,400	\$ 2,889,202	\$ 2,670,500	\$ 3,710,000	\$ 4,395,000	\$ 3,135,000	\$ 2,565,000	\$ 1,205,000	\$ 995,000	\$ 3,815,000	\$ 4,040,000	\$ 1,800,000					



MEMORANDUM

To: Capital and Construction Committee

From: Wes Merkle

Date: August 31, 2023

Subject: Capital Project Updates

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

Punch list and warranty work continues.

- #2202 Lift Station 8 (Laurelwood) Reconstruction

Equipment installation and electrical work are complete, except we continue to wait for AES to install the new electric service and transformer. Crews completed equipment startup on generator power. Once electric service is complete, Lykins will complete remaining gravity sewer and force main tie-in work, and demolish the old lift station. Completion is anticipated in November.

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

New generators have been installed and started up at Lift Station 11 (Old 106th Street/Bennett Parkway) and Lift Station 26 (Jackson's Grant). Several work items remain, however. The old generator and fuel tank were disconnected, removed and sold via auction. Crews will complete work at Lift Station 14 (Austin Oaks) in October, which includes installation of a new generator, control panel, VFDs, and automatic transfer switch.

- #2207 Lift Station 26 (Jackson's Grant) Parallel Force Main

Construction contractor TPI plans to complete the work this fall. All pipe material has been received.

- #2208 Lift Station 16 (Michigan/Sycamore Street) Reconstruction

Crews placed a substantial amount of fill to bring the lift station site up to within two feet of final grade. Electrical conduit installation is underway. We are waiting for Duke Energy to install new power service at the site prior to finishing the new lift station. Overall completion is anticipated this fall.

- #2301 Lift Station 10 (Ashbrook) Upgrades

Design work continues. Staff received and evaluated quotes for new pumps. Design will be complete and permits received this fall.

- WRRF Master Planning

Greeley Hansen continues to make good progress on this project. The final report is expected late-October.