

Table 1: Project Performance Summary - FY 2024

FY 2024 Cost Variance due to Schedule Changes
FY 2024 Cost Variance due to Cost/Pricing
FY 2024 Cost Variance due to Scope Changes

- FY 2024 (or overall project) costs within 5% of FY 2024 (or overall project) budget; completion within 2 months of baselined completion
- FY 2024 (or overall project) costs more than 5% of FY 2024 (or overall project) budget; completion more than 2 months beyond baselined completion

CIP No.	Project	Active Phase (at 6/30/24)	FY 2024 Performance			Overall Project Performance						Comments
			FY 2024 Budget	FY 2024 Cost	FY 2024 Cost Status	Baseline Budget	Forecasted Cost	Cost Status	Baseline Completion	Forecasted Completion	Schedule Status	
270-04	Jordan Lake Raw Water Supply Allocation	N/A	\$ 10,000	\$ 4,790		\$ 10,000	\$ 4,790		Jun 24	Jun 24		
270-09	Quarry Reservoir Development	N/A	\$ 95,000	\$ 47,597		\$ 200,000	\$ 200,000		Jun 24	Jun 25		Coordination with Martin Marietta took longer than anticipated. Phase 1 of the study is what has been baselined
270-28	University Lake Permanganate Facility	Closeout	\$ 1,000,000	\$ 2,490,971		\$ 2,242,000	\$ 4,195,000		Jun 22	Sep 24		Raw water line conflict caused additional cost and additional time. Construction closeout has been longer than anticipated
270-30	Cane Creek Dam Rehabilitation	Pending	\$ 50,000	\$ 265,141		\$ 282,000	\$ 472,500		Nov 23	Jun 25		Work in front of Gate 5 is pending a final dam inspection report from Hazen and Sawyer
270-34	Western Intake Partnership Projects	Design	\$ 500,000	\$ 287,785		\$ 50,000,000	\$ 1,372,000		Jun 31	Jun 25		The FY24 budgeted costs are for the preliminary studies only, which proceeded slower than planned. The overall project budget was based on earlier estimates for full participation in design and construction, which has since been deferred.
270-35	University Lake Dam Improvements	Design	\$ 75,000	\$ 24,385		-	-	-	-	-	-	Design was put on hold to align with the dam inspections. Future work will be coordinated with the results and recommendations from the inspection
270-36	Cane Creek Dam Diversion Tunnel Improvements	Bidding	\$ 50,000	\$ 48,219		\$ 170,000	\$ 245,000		Mar 25	Mar-24		Bids came in higher than anticipated
270-37	Cane Creek Roof Replacements	Complete	\$ 200,000	\$ 99,577		-	-	-	-	-	-	Project was expedited in the early part of the FY due to low pricing from contractors
271-05	Cane Creek Raw Water Transmission Main Capacity Study	Complete	\$ -	\$ 102,836		-	-	-	-	-	-	Project was expedited due to need to complete prior to starting the planned Cane Creek Pump Station Improvements Project
272-37	WTP Belt Filter Press Replacement	Closeout	\$ 1,100,000	\$ 2,172,519		\$ 3,587,000	\$ 4,457,000		Oct 22	Sep 24		Project was initially delayed during COVID. Original baseline cost did not take into account engineering construction phase services.
272-49	WTP SCADA Master Plan Recommendations	Design and Construction	\$ 800,000	\$ 386,207		-	-	-	-	-	-	
272-52	WTP Electrical Distribution Improvements		\$ 1,000,000	\$ 69,459		-	-	-	-	-	-	Project has been rolled into the new Clearwell/Finished Water Pump Station Project
272-55	WTP Clearwell Rehabilitation/Flash Mix Isolation Valve Replacement	Closeout	\$ 25,000	\$ 912,911		-	-	-	-	-	-	Pivoted to focus on the clearwell stabilization effort after additional investigation showed structural issues. Stabilization costs were not originally budgeted.
272-59	Finished Water Pump #4 Motor and Replacement	Complete	\$ 325,000	\$ 1,500		-	-	-	-	-	-	The need for a new clearwell changed the scope related to the finished water pump #4 replacement. Maintenance rebuilt the pump instead of replacing
272-63	Drinking Water PFAS Planning Study	Study	\$ 800,000	\$ 719,496		-	-	-	-	-	-	Total project cost and timeline is not yet baselined
272-64	New Clearwell, Finished Water PS and Elec. Distribution Improvements	Design	\$ -	\$ 65,683		-	-	-	-	-	-	Project has not yet been baselined. Will be baselined at 60% Design.
272-65	Booster Pump Station Condition Assessments	Study	\$ 100,000	\$ 19,722		\$ 100,000	\$ 122,000		Jun 24	Oct 24		Project got started later than originally anticipated
272-66	Pulsator Walkway Replacement	Construction	\$ -	\$ 25,000		-	-	-	-	-	-	Mid year request to address failing walkway at the WTP
272-67	Maintenance/Facility Coordinator Office Buildout	Closeout	\$ -	\$ 23,018		-	-	-	-	-	-	Expedited from FY 25 to FY 24 due to pricing and availability
273-27	Calvander Pump Station Site Improvements	Closeout	\$ 200,000	\$ 241,059		\$ 200,000	\$ 245,000		Jun 24	Sep 24		
274-15	SCADA Master Plan - WTP Remote Site PLC Replacements	Complete	\$ -	\$ 11,489		\$ 100,000	\$ 100,773		Jun 23	Aug 23		
274-17	Nunn Mountain Roadway Improvements	Complete	\$ 85,000	\$ 87,360		\$ 85,000	\$ 87,360		Jun 24	Jun 24		
275-01	Lead and Copper Rule Compliance	Study	\$ 250,000	\$ 690,867		\$ 800,000	\$ 900,000		Oct 24	Oct 24		Just reporting on the study. This does not include the anticipated >\$3 million costs for replacements which will be baselined in future reports
275-15	Reimbursement for Distribution System Improvements	Construction	\$ 115,000	\$ 8,395		\$ 115,000	\$ 8,395		Jun 24	Jun 24		
275-20	Water Main Rehabilitation/Replacement Projects	Construction	\$ 1,009,000	\$ 1,748,225		\$ 1,000,000	\$ 1,748,225		Jun 24	Jun 24		Crew program was very productive this year with over 1.2 miles installed. Material costs were higher than anticipated and crew was more footage was installed
275-21	Rogerson Neighborhood Water Mains	Complete	\$ 1,100,000	\$ 2,051,011		\$ 4,311,000	\$ 3,803,000		Jun 23	Aug 23		Original CIP line item had not yet identified the area for the water main replacements. Scope for this area was larger than anticipated in original budget and schedule was expedited
275-53	Distribution System Hydraulic Model	Study	\$ 250,000	\$ 153,968		\$ 400,000	\$ 450,000		Jun 24	Aug 24		
275-77	Galvanized Water Main Replacement Program	Complete	\$ -	\$ 4,107		-	-	-	-	-	-	Unanticipated permitting and close out costs with engineer of record
275-92	Jones Ferry Rd Water Main Replacements	Complete	\$ -	\$ 5,031		\$ 3,750,000	\$ 3,469,000		Sep 21	Aug 23		Construction closeout delayed
275-95	West Rosemary Water Main replacement	Design	\$ 200,000	\$ 279,070		\$ 4,800,000	\$ 4,719,000		Jun 27	Jun 27		
275-99	Distribution System Asset Management	N/A	\$ 30,000	\$ 17,595		\$ 30,000	\$ 17,595		Jun 24	Jun 24		
375-01	Briarcliff and Ridgefield Neighborhood WL Replacements	Design	\$ 50,000	\$ 356,268		\$ 5,000,000	\$ 5,000,000		Jun 27	Jun 27		Started earlier on design than anticipated and survey and SUE work was more expensive than originally anticipated
276-02	Gravity Sewer >12 inch Evaluation Surveys	Closeout	\$ 50,000	\$ 110,868		-	-	-	Jun 24	Jul 24		Added FY25 original budget in order to include the siphon line scope in the overall evaluation
276-18	Gravity Sewer Rehabilitation Program	Design and Construction	\$ 1,000,000	\$ 852,741		-	-	-	-	-	-	Multiple packages in construction and design through this line item
276-20	Creek Aerial Crossings Assessment	Complete	\$ -	\$ 13,186		-	-	-	-	-	-	Closeout costs delayed from FY23
276-45	Bolinwood Interceptor Replacement	Complete	\$ 50,000	\$ 573,922		\$ 1,130,000	\$ 2,932,000		Mar 22	Aug 23		Construction closeout delayed from FY23. Construction pricing higher than estimated
276-52	Rocky Branch Interceptor Replacement	Design	\$ -	\$ 1,920		-	-	-	-	-	-	Started the work early in FY 24 in order to meet construction deadline of FY26. Not yet baselined.
276-53	Creek Crossing Access Improvements	Design	\$ 50,000	\$ 66,116		-	-	-	-	-	-	Not yet baselined. Still working on 30%.
276-59	Morgan Creek Interceptor Replacement (Phase 1)	Construction	\$ 1,315,000	\$ 385,921		\$ 4,915,000	\$ 4,615,000		Jun 25	Jan 25		Delayed start to construction due to material procurement
276-70	Collection System On-Call Modeling	Study	\$ 20,000	\$ 7,590		\$ 20,000	\$ 7,590		Jun 24	Jun 24		
376-01	Gravity Sewer Rehab FY26-29	Study	\$ 125,000	\$ 305,086		-	-	-	-	-	-	Scope changed with overall project needs and with OWASA Database Administrator position vacant. More work had to be shifted to the consultant to complete.
376-02	Creek Crossing Access Improvements - Site 6 Study	Closeout	\$ 65,000	\$ 2,262		\$ 65,000	\$ 20,000		Jun 24	Jun 24		Cost effective proposal to combine some sub consultants with other creek crossing work already underway
376-03	Cobb Terrace Sewer Rehabilitation	Design	\$ 50,000	\$ 57,230		-	-	-	-	-	-	
277-43	Rogerson Drive Force Main and Pump Station Program Services	Study	\$ 100,000	\$ 19,858		\$ 307,000	\$ 300,000		Jun 24	Dec 24		Scoping of last phase was delayed due to internal staffing and higher priorities
277-45	Chapel Hill North Pump Station Rehabilitation	Complete	\$ 400,000	\$ 587,863		\$ 300,000	\$ 888,000		Jun 22	Oct 23		Construction costs came in higher than originally estimated.
277-49	Eastowne Generator Install	Complete	\$ 50,000	\$ 44,123		\$ 50,000	\$ 44,304		Jun 24	May 24		
277-52	Force Main ARV Upgrade	Design	\$ 30,000	\$ 27,528		-	-	-	-	-	-	
278-01	WWTP PS and PLC Replacements	Design and Construction	\$ 650,000	\$ 127,353		\$ 1,600,000	\$ 1,600,000		Jun 25	Jun 25		Integrator availability and parts availability has significantly impacted the ability to replace the PLCs at identified locations
278-03	WWTP Digester 3 and 4 Stairwell Safety Improvements	Construction	\$ 200,000	\$ 95,834		\$ 291,000	\$ 191,000		Jun 24	Sep 24		Delayed start to construction due to material procurement
278-16	Morgan Creek PS Ventilation and Coatings - Safety Net Procurement	Complete	\$ 25,000	\$ 22,428		\$ 25,000	\$ 22,428		Jun 24	Apr 24		
278-20	WWTP Secondary Clarifier #4 Improvements	Construction	\$ 560,000	\$ 1,596,248		\$ 2,200,000	\$ 4,318,000		May 23	Feb 25		Clarifier mechanism arrived earlier than anticipated and was >\$1 million. Construction pricing was significantly higher than the estimate and was slow to start.
278-80	WWTP Warehouse	Design	\$ 25,000	\$ 16,953		-	-	-	-	-	-	
278-75	WWTP Facilities Planning	Complete	\$ 150,000	\$ 175,503		\$ 350,000	\$ 444,000		Oct 22	Mar 24		
278-78	WWTP Fermenter Improvements	Complete	\$ -	\$ 5,225		\$ 994,000	\$ 2,330,000		Jun 21	Jul 23		Construction closeout delayed and construction costs were higher than estimated (after the rebid)
278-85	WWTP Gas Monitoring Systems	Done	\$ 280,000	\$ 176,437		-	-	-	-	-	-	
278-94	Biogas Removal System Improvements	Done	\$ 150,000	\$ 106,029		-	-	-	-	-	-	
278-97	Digester 3 and 4 Cleaning, Assessment and Repair	Construction	\$ 400,000	\$ 169,119		\$ 1,400,000	\$ 1,620,000		Aug 24	Oct 24		
278-98	WWTP Bridge Repairs	Complete	\$ -	\$ 650		\$ 50,000	\$ 44,722		-	-	-	Only reporting on Study only
278-99	Old UNC Lab Building Demo	Permitting	\$ 200,000	\$ 53,155		\$ 200,000	\$ 152,000		May 24	Sep 24		Town of Chapel Hill Permitting Delays
378-02	NPW Leak Emergency Repair	Complete	\$ -	\$ 54,634		-	-	-	-	-	-	Emergency Repair at the WWTP
378-03	WWTP Trickling Filter Emergency Repair	Complete	\$ -	\$ 27,300		-	-	-	-	-	-	Emergency Repair at the WWTP
378-05	WWTP Emergency RAS Line Repair	Complete	\$ -	\$ 32,109		-	-	-	-	-	-	Emergency Repair at the WWTP
279-14	Reclaimed Water Quality Evaluation	Study	\$ 75,000	\$ 22,170		\$ 75,000	\$ 74,000		Jun 24	Oct 24		Study got started later in FY24 than anticipated
279-15	Reclaimed Water Elevated Storage Tank Evaluation	Closeout	\$ -	\$ 36,098		-	-	-	-	-	-	UNC Request for FY 24
280-17	Admin Building Coping and Stucco Repairs	Closeout	\$ 400,000	\$ 308,088		\$ 400,000	\$ 310,000		Jun 24	Sep 24		
280-18	Jones Ferry Road Campus Perimeter Fence	Construction	\$ 200,000	\$ 420,113		\$ 200,000	\$ 430,000		Jun 24	Oct 24		Costs came in higher than estimates and construction has had several issues with damaged fencing which has extended the construction duration
280-19	Admin Building Server Room HVAC	Complete	\$ -	\$ 91,564		-	-	-	-	-	-	Construction closeout delayed
280-20	Ops Center Training Room Vestibule	Complete	\$ 20,000	\$ 11,461		\$ 20,000	\$ 11,461		Jun 24	Sep 23		
280-21	Admin Building HR-Gazebo Step Rehab and Repair	Complete	\$ 20,000	\$ 12,426		\$ 20,000	\$ 12,426		Jun 24	Sep 23		
280-22	Admin Building Stairwell Study	Design	\$ -	\$ 62,679		-	-	-	-	-	-	Mid-year request to address safety concern. Costs include study for options and the beginning of design of selected option
280-23	Admin Building Master Plan	Study	\$ 25,000	\$ 34,346		-	-	-	-	-	-	

Total FY 2024 Active Projects	FY 2024 Budget	FY 2024 Cost
	16.1	20.1