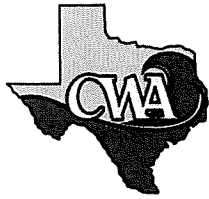


COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT
2023 ANNUAL BUDGET



COASTAL WATER AUTHORITY

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November 9, 2022

The Honorable Sylvester Turner, Mayor
Members of the City Council
City of Houston
P. O. Box 1562
Houston, Texas 77251-1562

**RE: 2023 ANNUAL BUDGET
TRINITY RIVER WATER CONVEYANCE PROJECT**

Mayor Turner and Members of the City Council:

In compliance with provisions of the Operating Contract between the City of Houston (the City) and the Coastal Water Authority (CWA), the Board of Directors respectfully submits the 2023 Calendar Year Budget for the Trinity River Water Conveyance Project for your consideration and approval.

The CWA 2023 Proposed Budget of \$29,740,800 is an increase of about \$5,967,100 from the 2022 Operating Budget of \$23,793,700. The 2023 Budget supports CWA's expected delivery of 217.5 billion gallons of water for the City's treatment plants and its industrial, municipal and agricultural customers. The increase in the 2023 Budget is primarily due to an increase in the cost of pre-treatment of chemicals at the Lynchburg Pump Station in the amount of \$4.6 million dollars. There is also a need to fund a control system upgrade, system security improvements, a replacement piece of equipment and a pump repair that will be finalized in 2023.

The Capital Improvement Budget includes the funding of \$5.36 million from CWA's available Special Project Fund for the reconstruction/repair of structures on the Authority's conveyance system; the canals, pipelines, and pump stations. These capital improvement projects will provide the Authority with the ability to reliably maintain its system of delivering water to the City's treatment plants and to its other customers. The Capital Improvement Budget also reflects finding from City's Water Utility Fund for the installation of two new pumps at CWA's Lynchburg facility.

The Authority's Board of Directors and its management team continue to identify activities where costs could be reduced and still allow CWA to meet its obligations to the City. Some of these activities are:

- Management staff working with Public Works' staff on CWA chemical contracts being merged with the City's chemical contract bids to achieve an improved cost advantage.
- The Authority had negotiated a rate reduction in the electricity contract that remains in effect in 2023.
- The Authority anticipates an increase in the cost of property insurance and employees' medical insurance policies in 2023.

The Honorable Sylvester Turner, Mayor
Members of the City Council
2023 Annual Budget, Trinity River
November 9, 2022
Page 2

The proposed 2023 Budget is the product of several meetings and discussions between representatives of the City's Houston Public Works Department and the Authority's operational and management staff members.

The proposed budget provides minimal contingencies in the event of unanticipated occurrences. The failure of high-cost equipment or severe weather conditions that damage the system may result in a supplemental funding request. In such an event, the request would be documented as to need and coordinated with the Houston Public Works Department.

The members of the Board of Directors wish to express their appreciation to everyone involved in this Project, especially those City employees of Houston Public Works Department for their cooperation and assistance in furthering the CWA Project as a major contributory resource for the Houston Combined Utility System. We look forward to continued efforts in planning and providing for the further growth of the City of Houston's water requirements.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Wayne Klotz", written in a cursive style.

D. Wayne Klotz, P.E.
President, Board of Directors

Attachment

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
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COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 BUDGET SUMMARY
 2023 ANNUAL BUDGET

APPLICATION OF FUNDS	2022 BUDGET	2022 PROJECTED	2023 BUDGET
Field Expenditures (1)	\$23,773,700	\$23,612,700	\$29,740,800
Capital Outlay	5,531,150	2,150,000	5,366,200
Debt Service	6,463,100	6,463,100	6,463,100
Total Expenditures	<u>35,767,950</u>	<u>32,225,800</u>	<u>41,570,100</u>
Ending Fund Balances (2)	5,943,473	5,943,473	7,435,173
Total Applications	<u>41,711,423</u>	<u>38,169,273</u>	<u>49,005,273</u>
SOURCE OF FUNDS			
Beginning Fund Balances (2)	5,299,073	5,299,073	5,943,473
Investment Income - Operations	400	3,000	40,000
Other Income	220,000	240,000	220,000
Subtotal Sources	<u>5,519,473</u>	<u>5,542,073</u>	<u>6,203,473</u>
Capital Funding - Construction (3)	5,531,150	2,150,000	5,366,200
Debt Service Revenue - City	6,463,100	6,463,100	6,463,100
Subtotal	<u>17,513,723</u>	<u>14,155,173</u>	<u>18,032,773</u>
System Revenue - Project	<u>\$24,197,700</u>	<u>\$24,014,100</u>	<u>\$30,972,500</u>

(1) Includes assets purchased

(2) Project Fund only.

(3) 2023 Construction Funding from Special Project Equity Funding

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
FACTS AND ASSUMPTIONS
2023 ANNUAL BUDGET

FACTS

1. The 2023 budget is prepared on a cash basis.
2. Trinity River books and records consist of four funds, which are the Conveyance System Development Fund, the Special Contingency Fund, the Debt Service Fund, and the Project Fund.
3. The required fund balances have been reflected at the minimum balances per the various bond resolutions and applicable contract terms.
4. Trinity River is charged with direct salary and costs as well as an allocation of certain general items based upon an overall budgeted payroll allocation of 50%.
5. The 2023 budget reflects the impact of complying with SB361 as it relates to emergency electrical reliability at the two pump stations.
6. The 2023 Capital Outlay Projects are to be funded with CWA's Special Project Equity Fund / City of Houston.

ASSUMPTIONS

1. Salaries anticipate funding the employee benefits of four field retirees.
2. The 2023 budget anticipates staffing to support continuation of activities required to fulfill the obligation of the current contract with the City of Houston.
3. The water demand forecast reflects slight decrease in usage from the City of Houston.
4. Capital Outlay for 2023 includes funding for the continuation of the Large Diameter Pipeline Assessment Program, major repairs to the Distribution System and direct funding from the City of Houston for the purpose and installation of two new pump assemblies at the Lynchburg Pump Station.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 RECONCILIATION OF 2022 BUDGET TO 2023 BUDGET

	2022 Budget to 2023 Budget
2022 Budget	<u>\$23,773,700</u>
Field Salaries	372,400
Materials & Supplies	4,776,400
Contract Labor & Equipment	722,700
Utilities	(63,200)
Administrative Expense	153,600
General Operating Expenses (Insurance)	(2,800)
Engineering, Legal & Professional	<u>8,000</u>
Subtotal	<u>5,967,100</u>
2023 Budget	<u><u>\$29,740,800</u></u>
2023 Capital Improvement Budget (To be funded from Special Project Equity Fund and City of Houston)	<u><u>\$ 23,366,200</u></u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 STATEMENT OF REVENUES AND EXPENDITURES
 2023 ANNUAL BUDGET

	2022 BUDGET	2022 PROJECTED	2023 BUDGET
REVENUES			
Funds provided by City of Houston	\$30,660,800	\$30,477,200	\$37,435,600
Interest on Investments	400	3,000	40,000
Service Revenues(SJRA)	120,000	126,000	120,000
Other	100,000	114,000	100,000
Total Revenue	30,881,200	30,720,200	37,695,600
EXPENDITURES			
Field Salaries	3,793,100	3,983,200	4,165,500
Materials & Supplies	4,782,800	5,364,400	9,559,200
Contract Labor & Equipment (1)	4,424,900	3,600,800	5,147,600
Utilities	6,951,500	6,698,800	6,888,300
Administrative Expenses	1,686,600	1,870,800	1,840,200
General Operating Expenses	1,595,500	1,565,300	1,592,700
Engineering, Legal & Professional	539,300	529,400	547,300
Subtotal	23,773,700	23,612,700	29,740,800
Bond Interest Expense	2,163,100	2,163,100	1,948,100
Bond Principal Retirement	4,300,000	4,300,000	4,515,000
Debt Service	6,463,100	6,463,100	6,463,100
Total Expenditures	30,236,800	30,075,800	36,203,900
Net Increase (Decrease) in Fund Balances	(2) \$644,400	\$644,400	(3) \$1,491,700

- (1) Includes assets purchased.
- (2) Decreased equity in fund balances.
- (3) Increased equity in fund balances.

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
RECONCILIATION OF FUND ACTIVITY
2023 ANNUAL BUDGET

	* SPECIAL CONTINGENCY FUND
Beginning Balance	<u>\$3,000,000</u>
Service Revenue	0
Interest Earnings	0
Transfer - Interest	0
Other Revenue	0
Expenses	0
Debt Service	0
Net Activity	<u>0</u>
Ending Balance	<u><u>\$3,000,000</u></u>

* Interest Earnings are transferred to Special Projects Equity Fund per Contract requirements.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 RECONCILIATION OF FUND ACTIVITY
 2023 ANNUAL BUDGET

	<u>DEBT SERVICE</u>	<u>PROJECT FUND</u>	<u>TOTAL TRINITY RIVER CONVEYANCE PROJECT FUND</u>
Beginning Balance	\$0	\$5,943,473	\$8,943,473
Service Revenue	6,463,100	30,972,500	37,435,600
Interest Earnings	0	40,000	40,000
Transfer - Interest	0	0	0
Other Revenue	0	220,000	220,000
Expenses	0	(29,740,800)	(29,740,800)
Debt Service	(6,463,100)	0	(6,463,100)
Net Activity	<u>0</u>	<u>1,491,700</u>	<u>1,491,700</u>
Ending Balance	<u>\$0</u>	<u>\$7,435,173</u>	<u>\$10,435,173</u>

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
WATER DEMAND FORECAST
2023 ANNUAL BUDGET

	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>PROJECTED</u>	<u>2023</u> <u>BUDGET</u>
Gallons (in thousands)	<u>221,897,800</u>	<u>228,801,800</u>	<u>217,526,800</u>

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
INVESTMENT AND OTHER INCOME
2023 ANNUAL BUDGET

INVESTMENT INCOME

Average Cash and Investments	\$2,000,000
Average Effective Interest Rate	2.00%
Total	<u>\$40,000</u>

OTHER INCOME

Project Fund - Miscellaneous	100,000
Total	<u>\$100,000</u>

Service Revenue (SJRA)

Other-San Jacinto River Authority	120,000
Total	<u>\$120,000</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF GENERAL AND ADMINISTRATIVE EXPENDITURES
 2023 ANNUAL BUDGET

<u>GENERAL AND ADMINISTRATIVE EXPENDITURES</u>	<u>2022 BUDGET</u>	<u>2022 PROJECTED</u>	<u>2023 BUDGET</u>
ADMINISTRATIVE	\$1,686,600	\$1,870,800	\$1,840,200
GENERAL OPERATING (Insurance)	1,595,500	1,565,000	1,592,700
ENGINEERING, LEGAL & PROFESSIONAL	<u>539,300</u>	<u>529,400</u>	<u>547,300</u>
Total	<u><u>\$3,821,400</u></u>	<u><u>\$3,965,200</u></u>	<u><u>\$3,980,200</u></u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ADMINISTRATIVE EXPENSES
 2023 ANNUAL BUDGET

Administrative Salaries	\$630,000 (1)
Pension Plan Contribution (11.8% of total compensation)	565,869
Payroll Taxes (7.65% of total compensation)	366,856
Office Lease and Utilities	160,000 (1)
Office Supplies	20,000 (1)
Travel, Meetings and Parking	12,500 (1)
Directors Compensation	15,000 (1)
Printing and Reproduction	12,500 (1)
Telephone/ Data Maintenance	20,000 (1)
Vehicle: Gas & Maintenance	7,500 (1)
Payroll / Employee Processing Services	15,000 (1)
Miscellaneous	15,000 (1)
	<u>\$1,840,225</u>

(1) Allocated based upon office payroll estimate of 50%.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 OFFICE SALARY ALLOCATION
 2023 ANNUAL BUDGET

Executive Director
 Chief Financial Officer
 Chief Accountant
 Senior Accountant
 Senior Accountant
 Senior Accountant
 Senior Accountant
 Executive Secretary
 Financial Analyst

	Base Office Salaries	\$1,260,000
	Office Allocation Factor (1)	50.0%
	Trinity River Office Salaries	\$630,000

(1) Based upon payroll estimate allocation

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 GENERAL OPERATING EXPENSES
 2023 ANNUAL BUDGET

INSURANCE PREMIUM DESCRIPTION

Property Insurance	\$373,750	(1)	(5)	
Property - Primary Flood	5,000	(2)	(5)	
Texas Commercial Policy (General Liability)	18,400	(3)	(5)	
Excess Liability	-	(9)	(5)	
Watercraft Policy	9,100	(9)	(5)	
Public Official & Employees Liability	4,600	(3)	(4)	(7)
Notary Public Omissions	100	(2)	(4)	
Public Employee Fidelity Bond	500	(2)	(4)	
Pension - Fidelity Bond	200	(3)	(4)	
Pension - Fiduciary Responsibility	3,700	(3)	(5)	
Medical Insurance	995,000	(3)	(6)	(7)
Public Official Position (Director Fidelity)	850	(3)	(4)	
Automobile Insurance	14,500	(3)	(5)	
Workers Compensation	73,500	(3)	(5)	(7)
Dental Insurance	39,000	(3)	(5)	(7)
Vision Insurance	12,500	(3)	(5)	(7)
Combined Group Life/Short & Long Term Disability	42,000	(3)	(5)	(7)
	<u>\$1,592,700</u>			

- (1) Allocated based upon total insurable value of 70%.
- (2) Coverage 100% specific for Trinity River.
- (3) Allocated based upon total payroll estimate of 50%.
- (4) Assumes no rate increase.
- (5) Assumes 5% rate increase.
- (6) Assumes 10% rate increase.
- (7) Assumes full employment.
- (8) Coverage 100% specific for Luce Bayou
- (9) Allocated to Maintenance Boat Locations.

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
ENGINEERING, LEGAL AND PROFESSIONAL EXPENSES
2023 ANNUAL BUDGET

Engineering Services	\$300,000 (1)
Legal Services	100,000 (3)
Accounting & Auditing	33,000 (2)
U.S. Geological Fee	16,300 (1)
Computer Support services	40,000 (2)
Website Development & Maintenance	20,000 (2)
Hardware, Software Upgrades and Maintenance	30,000 (2)
Miscellaneous Bank Fees	8,000 (3)
	<u>\$547,300</u>

(1) Based upon specific services.

(2) Allocated based upon total payroll estimate of 50%.

(3) Based upon specific and allocated services.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF FIELD EXPENDITURES
 2023 ANNUAL BUDGET

FIELD EXPENDITURES	2022 BUDGET	2022 PROJECTED	2023 BUDGET
SALARIES	\$3,793,100	\$3,983,200	\$4,165,500
MATERIALS & SUPPLIES	4,782,800	5,364,400	9,559,200
CONTRACT LABOR AND EQUIPMENT			
Contracted	4,398,900	3,574,800	4,952,700
Purchased	26,000	26,000	194,900
Subtotal	<u>4,424,900</u>	<u>3,600,800</u>	<u>5,147,600</u>
UTILITIES	6,951,500	6,698,800	6,888,300
Total	<u>\$19,952,300</u>	<u>\$19,647,200</u>	<u>\$25,760,600</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 FIELD EXPENDITURES BY LOCATION
 2023 ANNUAL BUDGET

LOCATIONS	FIELD SALARIES	MATERIALS AND SUPPLIES	CONTRACT LABOR AND EQUIPMENT	UTILITIES	LOCATION TOTAL
Trinity River Pump Station	\$744,456	\$126,800	\$1,946,600	\$2,407,140	\$5,224,996
Maintenance Station	294,060	339,800	163,000	57,500	854,360
Main Canal	506,513	25,100	72,600	0	604,213
Cedar Point Lateral	357,847	25,300	51,300	2,285	436,732
Lynchburg Reservoir	118,165	9,500	61,300	0	188,965
Lynchburg Pump Station	1,604,063	8,953,800	2,773,200	4,409,334	17,740,397
Distribution System	428,205	75,300	69,300	12,000	584,805
Bayport Reservoir	112,239	3,600	10,300	0	126,139
	<u>\$4,165,548</u>	<u>\$9,559,200</u>	<u>\$5,147,600</u>	<u>\$6,888,259</u>	<u>\$25,760,607</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF FIELD SALARIES BY LOCATION
 2023 ANNUAL BUDGET

LOCATION	BASE COMPENSATION	RETIREE PAY (1)	4% OVERTIME (2)	TOTAL
Trinity River Pump Station	\$643,708	\$75,000	\$25,748	\$744,456
Maintenance Station	282,750	0	11,310	294,060
Main Canal	487,032	0	19,481	506,513
Cedar Point Lateral	344,084	0	13,763	357,847
Lynchburg Reservoir	113,620	0	4,545	118,165
Lynchburg Pump Station	1,426,984	120,000	57,079	1,604,063
Distribution System	411,736	0	16,469	428,205
Bayport Reservoir	107,922	0	4,317	112,239
	<u>\$3,817,836</u>	<u>\$195,000</u>	<u>\$152,712</u>	<u>\$4,165,548</u>

(1) Allows for employee benefit payments to retirees.

(2) Provides for minimum overtime.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF BASE FIELD SALARIES BY FUNCTION AND LOCATION
 2023 ANNUAL BUDGET

LOCATION AND FUNCTION	# OF EMPLOYEES	MAN HOURS (4)	AVG. RATE PER HOUR	BASE SALARIES
<u>MANAGEMENT (1)</u>				
Trinity River Pump Station	0.300	624	\$74.00	\$46,176
Maintenance Station	0.400	832	74.00	61,568
Main Canal	0.450	936	74.00	69,264
Cedar Point Lateral	0.200	416	74.00	30,784
Lynchburg Reservoir	0.150	312	74.00	23,088
Lynchburg Pump Station	1.000	2,080	74.00	153,920
Distribution System	0.300	624	74.00	46,176
Bayport Reservoir	0.194	404	74.00	29,896
Subtotal	<u>2.994</u>	<u>6,228</u>	<u>74.00</u>	<u>460,872</u>
<u>SUPERVISORY PERSONNEL (2)</u>				
Trinity River Pump Station	0.650	1,352	65.00	87,880
Maintenance Station	0.500	1,040	65.00	67,600
Main Canal	0.450	936	65.00	60,840
Cedar Point Lateral	0.350	728	65.00	47,320
Lynchburg Reservoir	0.200	416	65.00	27,040
Lynchburg Pump Station	1.750	3,640	65.00	236,600
Distribution System	0.800	1,664	65.00	108,160
Bayport Reservoir	0.247	514	65.00	33,410
Subtotal	<u>4.947</u>	<u>10,290</u>	<u>65.00</u>	<u>668,850</u>
<u>ALL OTHER PERSONNEL (3)</u>				
Trinity River Pump Station	7.425	15,444	33.00	509,652
Maintenance Station	2.238	4,654	33.00	153,582
Main Canal	5.200	10,816	33.00	356,928
Cedar Point Lateral	3.875	8,060	33.00	265,980
Lynchburg Reservoir	0.925	1,924	33.00	63,492
Lynchburg Pump Station	15.100	31,408	33.00	1,036,464
Distribution System	3.750	7,800	33.00	257,400
Bayport Reservoir	0.650	1,352	33.00	44,616
Subtotal	<u>39.163</u>	<u>81,458</u>	<u>33.00</u>	<u>2,688,114</u>
Total Base Salaries	<u>47.104</u>	<u>97,976</u>	<u>\$38.97</u>	<u>\$3,817,836</u>

(1) Includes Manager of Operations and Production, Manager of Security.

(2) Includes Superintendents, Master Electrician, Administrator OPM, and Purchasing Agent.

(3) Includes Foremen, Electricians and Operators for construction, electrical, maintenance, and all routine operating functions.

(4) Estimated number of employees at 2,080 hours per year.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF MATERIALS AND SUPPLIES BY LOCATION
 2023 ANNUAL BUDGET

LOCATION AND DESCRIPTION

TRINITY RIVER PUMP STATION

Reliability Contract (NRG) Fuel	\$ 66,700
Air Conditioning Repair Parts	1,500
Building / Grounds Maintenance	1,000
Electrical / Instrument	8,000
Herbicides / Insecticides	2,300
Mechanical, Plumbing, Valves, etc.	6,000
Miscellaneous Supplies	7,900
Office / Administrative	2,900
Oils and Lubricants	6,500
Power Tools, Hand Tools & Equip.	4,000
Personal Protective Equipment	20,000
	<u>126,800</u>

MAINTENANCE STATION

Air Conditioning Repair Parts	1,500
Automotive / Equipment Repair Parts	90,000
Canal Check & Gate Maint.	1,200
Building / Grounds Maintenance	1,000
Diesel Fuel	113,400
Electrical / Instrument	6,000
Gasoline	60,800
Herbicides / Insecticides	2,300
Mechanical, Plumbing, Valves, etc.	2,000
Miscellaneous Supplies	8,900
Office / Administrative	5,200
Oils and Lubricants	13,500
Power Tools, Hand Tools & Equip.	7,000
Tires & Batteries	15,000
Welding Equipment & Supplies	12,000
	<u>339,800</u>

MAIN CANAL

Electrical / Instrument	1,000
Herbicides / Insecticides	10,500
Miscellaneous Supplies	3,300
Oils and Lubricants	300
Power Tools, Hand Tools & Equip.	5,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	<u>25,100</u>

CEDAR POINT LATERAL

Canal Check & Gate Maint.	1,200
Electrical / Instrument	1,000
Herbicides / Insecticides	10,500
Miscellaneous Supplies	3,300
Oils and Lubricants	300
Power Tools, Hand Tools & Equip.	4,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	<u>25,300</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF MATERIALS AND SUPPLIES BY LOCATION
 2023 ANNUAL BUDGET

LOCATION AND DESCRIPTION

LYNCHBURG RESERVOIR	
Building / Grounds Maintenance	1,000
Herbicides / Insecticides	3,500
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	<u>9,500</u>
LYNCHBURG PUMP STATION	
CHEMICALS:	
-- Chlorine	5,548,700
-- Aqua Ammonia	1,764,900
-- Quantity Variance	771,500
--Misc Chemicals/ Pigtails, Adaptors	54,100
Sub-total - Chemicals:	8,139,200
Reliability Contract (NRG) Fuel	133,400
Air Conditioning Repair Parts	10,000
Building / Grounds Maintenance	13,000
Diesel Fuel	13,000
Electrical / Instrument	17,000
Gasoline	68,700
Herbicides / Insecticides	3,500
Lab Test Equip & Supplies	45,700
Mechanical, Plumbing, Valves, etc.	10,000
Miscellaneous Supplies	108,200
Office / Administrative	51,800
Oils and Lubricants	30,000
Power Tools, Hand Tools & Equip.	167,300
Variable Frequency Drive Repair Parts	80,000
Welding Equip & Supplies	3,000
VFD AC Unit	30,000
Personal Protective Equipment	30,000
	<u>8,953,800</u>
DISTRIBUTION SYSTEM	
Air Conditioning Repair Parts	1,000
Building / Grounds Maintenance	4,500
Channel Light System	6,000
Electrical / Instrument	2,000
Herbicides / Insecticides	10,500
Mechanical, Plumbing, Valves, etc.	25,000
Miscellaneous Supplies	3,300
Office / Administrative	1,000
Oils and Lubricants	1,000
Power Tools, Hand Tools & Equip.	10,000
Road Base, Sand, Rock, Rip Rap, etc.	11,000
	<u>75,300</u>
BAYPORT RESERVOIR	
Building / Grounds Maintenance	1,500
Electrical / Instrument	500
Herbicides / Insecticides	1,000
Mechanical, Plumbing, Valves, etc.	600
	<u>3,600</u>
Total	<u>\$9,559,200</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF CONTRACT LABOR AND EQUIPMENT BY LOCATION
 2023 ANNUAL BUDGET

LOCATION AND DESCRIPTION

TRINITY RIVER PUMP STATION	
Reliability Contract (NRG - Service Fee)	850,000
Contract Labor (Welders, Divers, Tech Spt, etc)	2,000
Equipment Rental Services	10,000
Major Motor Repair, 1 each	253,000
Major Pump Repair, 1 each	303,000
Replace Intake Screens (TRP Intake)	45,000
Rebuild / Rehab Pump 3	303,000
Control System Upgrade	150,000
Annual Service Contracts:	
Crane/Hoist Test/Certification	400
Pest Control Service	600
Substation, Relay Testing	9,000
Uniform Service	2,600
Generator Load Testing	1,000
Asset Management Software Upgrade	2,000
Purchase Equipment:	
Skid Steer	10,000
Emergency Radio's (APX 6000)	5,000
	1,946,600
MAINTENANCE STATION	
CMS Shop Door Replacement	18,000
Security: Contract Guards	115,000
Annual Service Contracts:	
Janitorial Service	3,300
Pest Control Service	600
Uniform Service	8,200
Generator Load Testing	900
Asset Management Software Upgrade	2,000
Purchase Equipment:	
Skid Steer	10,000
Emergency Radio's (APX 6000)	5,000
	163,000
MAIN CANAL	
Security: Fencing Repairs/Replacement	10,000
USGS-Water Level Meters	16,300
Asset Management Software Upgrade	1,300
Purchase Equipment:	
Skid Steer	40,000
Emergency Radio's (APX 6000)	5,000
	72,600
CEDAR POINT LATERAL	
Security: Fencing Repairs/Replacement	10,000
Asset Management Software Upgrade	1,300
Purchase Equipment:	
Skid Steer	40,000
	51,300
LYNCHBURG RESERVOIR	
Security: Fencing Repairs/Replacement	45,000
Asset Management Software Upgrade	1,300
Purchase Equipment:	
Skid Steer	10,000
Emergency Radio's (APX 6000)	5,000
	61,300

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF CONTRACT LABOR AND EQUIPMENT BY LOCATION
 2023 ANNUAL BUDGET

LOCATION AND DESCRIPTION

LYNCHBURG PUMP STATION	
Reliability Contract (NRG - Service Fee)	1,250,000
Contract Labor (Welders, Divers, Tech Spt, etc)	2,000
Major Motor Repair, 1 each	215,000
Major Pump Repair, 1 each	260,000
Pump 201 Rehab	260,000
Pump 202 Rehab	260,000
Security: Fencing Repairs/Replacement	10,000
Security: Contract Guards	180,000
Security & Safety Training (1st Aid, CPR,AED,etc)	60,000
Training: Safety, RMP, Hazwop, Dam, AirPk,etc.	12,500
Training: USACE Dam Safety CSE	3,000
Annual Service Contracts:	
Cameral Flood Wall Drain Pipe Inspection	1,000
Crane/Hoist Test/Certification	1,700
SCADA: HSQ Svc/Tech Support	8,200
Janitorial Service	8,400
Pest Control Service	1,300
MSDS ONLINE	3,100
Substation, Relay Testing	52,000
Uniform Service	10,000
VFD Component Repair	80,000
VFD Control System Maint	30,000
Generator Load Testing	1,200
Hach SL-1000 Service	1,100
Asset Management Software Upgrade	2,800
Purchase Equipment:	
Security Camera Purchase and Installation	53,900
Emergency Radio's (APX 6000)	5,000
GPS Asset Tracker Units/Annual Service Fee	1,000
	<u>2,773,200</u>
DISTRIBUTION SYSTEM	
Contract Labor (Welders, Divers, Tech Spt, etc)	40,000
Equipment Rental Services	10,000
Security: Fencing Repairs/Replacement	10,000
Annual Service Contracts:	
Crane/Hoist Test/Certification	400
Generator Load Testing	1,100
Asset Management Software Upgrade	2,800
Purchase Equipment:	
Emergency Radio's (APX 6000)	5,000
	<u>69,300</u>
BAYPORT RESERVOIR	
Security: Fencing Repairs/Replacement	10,000
Asset Management Software Upgrade	300
	<u>10,300</u>
Total	<u>\$5,147,600</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF UTILITIES BY LOCATION
 2023 ANNUAL BUDGET

LOCATION	ELECTRICITY				
	KW HOURS	AVG. RATE HOUR (1)	AMOUNT	ALL OTHER (2)	TOTAL
Trinity River Pump Station	41,330,000	\$0.0580	\$2,397,140	\$10,000	\$2,407,140
Maintenance Station	500,000	0.0850	42,500	15,000	57,500
Cedar Point Lateral	10,000	0.1285 (3)	1,285	1,000	2,285
Lynchburg Pump Station	88,966,000	0.0490	4,359,334	50,000	4,409,334
Distribution System	100,000	0.1200 (3)	12,000	0	12,000
	130,906,000	\$0.0520	\$6,812,259	\$76,000	\$6,888,259

(1) Includes deregulated contract rates in all facilities except Entergy service area at Trinity River Pump Station.

(2) Includes telephone, water and waste disposal services.

(3) Includes the effect of minimum charges.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 DEBT SERVICE
 2023 ANNUAL BUDGET

	(1)	(2)	TOTAL
Bond Interest Expense	\$700,500	\$1,247,581	\$1,948,081
Bond Principal Retirement	3,315,000	1,200,000	4,515,000
Total Debt Service	\$4,015,500	\$2,447,581	\$6,463,081

- (1) In 2010, CWA issued \$38,900,000 of Contract Revenue Refunding Bonds, Series 2010.
- (2) In December 2014, CWA issued \$38,415,000 of Contract Revenue Refunding Bonds, Series 2014, to refund the Contract Revenue Bonds, Series 2004 which were issued to finance the expansion of the Trinity River Pump Station and the Lynchburg Pump Station

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 CAPITAL OUTLAYS
 2023 ANNUAL BUDGET

	CWA Special Projects Equity Fund	Funded by City of Houston	TOTAL CAPITAL OUTLAYS
<u>Large Diameter Pipeline Condition Assessment/ Repairs:</u>			
Assessment: 3 Sections @ 275,000	\$ 825,000		
Repairs: 3 Sections @ 120,000	<u>360,000</u>	\$ 1,185,000	1,185,000
<u>Process Automation Equipment Warranty - Lynchburg Pump Station</u>		46,200	46,200
<u>Overall Capacity Analysis</u>		75,000	75,000
<u>Trash Racks</u>		150,000	150,000
<u>BGE B Pump Improvement Change Order</u>		335,000	335,000
<u>Trinity River Pump Station Access Road Replacement - Design & Constructon</u>		2,500,000	2,500,000
<u>Lynchburg Pump Station Coating Project</u>		350,000	350,000
<u>Trinity River Air Vac and Manway Sand Blasting & Coating</u>		240,000	240,000
<u>Distribution System:</u>			
B System Air Vac Replacement	\$ 253,000		
C System Air Vac Replacement	<u>232,000</u>	485,000	485,000
<u>P201/P206 Construction</u>		18,000,000	\$ 18,000,000
<u>2023 Total Capital Outlays</u>	<u>\$ 5,366,200</u>	<u>18,000,000</u>	<u>\$ 23,366,200</u>