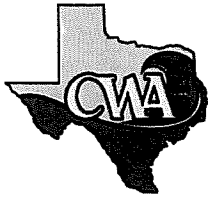


COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT
2022 ANNUAL BUDGET

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
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 2022 ANNUAL BUDGET

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COASTAL WATER AUTHORITY

1801 Main Street, Suite 800
Houston, Texas 77002

Phone: 713-658-9020
Fax: 713-658-9429

November 10, 2021

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

**RE: 2022 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 2022 Calendar Year Budget for the Trinity River Water Conveyance Project for your consideration and approval.

The CWA 2022 Proposed Budget of \$23,793,700 is an increase of about \$2,577,400 from the 2021 Operating Budget of \$21,193,300. The 2022 Budget supports CWA's expected delivery of 221.9 billion gallons of water for the City's treatment plants and its industrial, municipal and agricultural customers. The increase in the 2022 Budget is primarily due to an increase in the cost of pre-treatment of chemicals at the Lynchburg Pump Station in the amount of \$2.2 million dollars.

The Capital Improvement Budget includes the funding of \$5.53 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 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:

- Contract Labor and Equipment reflects a decrease due to the replacement of a new flow meter completed in 2021.
- The Authority had negotiated a rate reduction in the electricity contract that remains in effect in 2022 but is anticipating an increase in the addition of a storm related cost recovery fee.
- The Authority anticipates an increase in the cost of property insurance and employees' medical insurance policies in 2022.

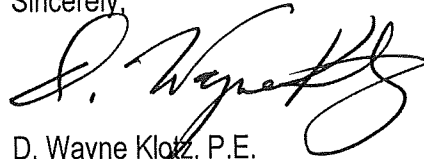
The proposed 2022 Budget is the product of several meetings and discussions between representatives of the City's Houston Public Works Department and the Authority's operational and management staff members.

The Honorable Sylvester Turner, Mayor
Members of the City Council
2022 Annual Budget, Trinity River
November 10, 2021
Page 2

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". The signature is fluid and cursive, with a large, sweeping flourish at the end.

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

Attachment

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
BUDGET SUMMARY
2022 ANNUAL BUDGET

<u>APPLICATION OF FUNDS</u>	<u>2021 BUDGET</u>	<u>2021 PROJECTED</u>	<u>2022 BUDGET</u>
Field Expenditures (1)	\$21,196,300	\$20,920,000	\$23,773,700
Capital Outlay	4,652,000	4,652,000	5,531,150
Debt Service	6,464,000	6,464,000	6,463,100
Total Expenditures	<u>32,312,300</u>	<u>32,036,000</u>	<u>35,767,950</u>
Ending Fund Balances (2)	5,299,073	5,299,073	5,943,473
Total Applications	<u>37,611,373</u>	<u>37,335,073</u>	<u>41,711,423</u>
 <u>SOURCE OF FUNDS</u>			
Beginning Fund Balances (2)	5,398,673	5,398,673	5,299,073
Investment Income - Operations	2,000	2,000	400
Other Income	250,000	840,000	220,000
Subtotal Sources	<u>5,650,673</u>	<u>6,240,673</u>	<u>5,519,473</u>
Capital Funding - Construction (3)	4,652,000	4,652,000	5,531,150
Debt Service Revenue - City	6,464,000	6,464,000	6,463,100
Subtotal	<u>16,766,673</u>	<u>17,356,673</u>	<u>17,513,723</u>
System Revenue - Project	<u>\$20,844,700</u>	<u>\$19,978,400</u>	<u>\$24,197,700</u>

(1) Includes assets purchased

(2) Project Fund only.

(3) 2022 Construction Funding from Special Project Equity Funding

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
FACTS AND ASSUMPTIONS
2022 ANNUAL BUDGET

FACTS

1. The 2022 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 51%.
5. The 2022 budget reflects the impact of complying with SB361 as it relates to emergency electrical reliability at the two pump stations.
6. The 2022 Capital Outlay Projects are to be funded with CWA's Special Project Equity Fund.

ASSUMPTIONS

1. Salaries anticipate funding the employee benefits of three field retirees.
2. The 2022 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 increase in usage from the City of Houston.
4. Capital Outlay for 2022 includes funding for the completion of the replacement of the radial gate control on the main canal, the continuation of the Large Diameter Pipeline Assessment Program and the major repairs to the Distribution System.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 RECONCILIATION OF 2021 BUDGET TO 2022 BUDGET

	2021 Budget to 2022 Budget
2021 Budget	<u>\$21,196,300</u>
Field Salaries	85,500
Materials & Supplies	2,370,900
Contract Labor & Equipment	(270,200)
Utilities	219,000
Administrative Expense	36,700
General Operating Expenses (Insurance)	135,500
Engineering, Legal & Professional	<u>0</u>
Subtotal	<u>2,577,400</u>
2022 Budget	<u><u>\$23,773,700</u></u>
2022 Capital Improvement Budget (To be funded from Special Project Equity Fund)	<u><u>\$ 5,531,150</u></u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 STATEMENT OF REVENUES AND EXPENDITURES
 2022 ANNUAL BUDGET

	2021 BUDGET	2021 PROJECTED	2022 BUDGET
REVENUES			
Funds provided by City of Houston	\$27,308,700	\$26,442,400	\$30,660,800
Interest on Investments	2,000	2,000	400
Service Revenues(SJRA)	150,000	90,000	120,000
Other	100,000	750,000	100,000
Total Revenue	27,560,700	27,284,400	30,881,200
 EXPENDITURES			
Field Salaries	3,707,600	3,695,000	3,793,100
Materials & Supplies	2,411,900	2,830,000	4,782,800
Contract Labor & Equipment (1)	4,695,100	4,350,000	4,424,900
Utilities	6,732,500	6,450,000	6,951,500
Administrative Expenses	1,649,900	1,640,000	1,686,600
General Operating Expenses	1,460,000	1,430,000	1,595,500
Engineering, Legal & Professional	539,300	525,000	539,300
Subtotal	21,196,300	20,920,000	23,773,700
Bond Interest Expense	2,339,000	2,339,000	2,163,100
Bond Principal Retirement	4,125,000	4,125,000	4,300,000
Debt Service	6,464,000	6,464,000	6,463,100
Total Expenditures	27,660,300	27,384,000	30,236,800
Net Increase (Decrease) in Fund Balances	(2) (\$99,600)	(\$99,600)	(3) \$644,400

- (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
 2022 ANNUAL BUDGET

	CONVEYANCE SYSTEM DEVELOPMENT FUND	* SPECIAL CONTINGENCY FUND
Beginning Balance	\$46,900	\$3,000,000
Service Revenue	0	0
Interest Earnings	100	0
Transfer - Interest	(100)	0
Other Revenue	0	0
Expenses	0	0
Debt Service	0	0
Net Activity	<u>0</u>	<u>0</u>
Ending Balance	<u>\$46,900</u>	<u>\$3,000,000</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
 2022 ANNUAL BUDGET

	<u>DEBT SERVICE</u>	<u>PROJECT FUND</u>	<u>TOTAL TRINITY RIVER CONVEYANCE PROJECT FUND</u>
Beginning Balance	<u>\$0</u>	<u>\$5,299,073</u>	<u>\$8,345,973</u>
Service Revenue	6,463,100	24,197,700	30,660,800
Interest Earnings	0	300	400
Transfer - Interest	0	100	0
Other Revenue	0	220,000	220,000
Expenses	0	(23,773,700)	(23,773,700)
Debt Service	(6,463,100)	0	(6,463,100)
Net Activity	<u>0</u>	<u>644,400</u>	<u>644,400</u>
Ending Balance	<u><u>\$0</u></u>	<u><u>\$5,943,473</u></u>	<u><u>\$8,990,373</u></u>

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
WATER DEMAND FORECAST
2022 ANNUAL BUDGET

	<u>2021 BUDGET</u>	<u>2021 PROJECTED</u>	<u>2022 BUDGET</u>
Gallons (in thousands)	<u>221,701,700</u>	<u>218,273,200</u>	<u>221,897,800</u>

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
INVESTMENT AND OTHER INCOME
2022 ANNUAL BUDGET

INVESTMENT INCOME

Average Cash and Investments	\$2,000,000
Average Effective Interest Rate	0.02%
Total	<u>\$400</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
 2022 ANNUAL BUDGET

GENERAL AND ADMINISTRATIVE EXPENDITURES	2021 BUDGET	2021 PROJECTED	2022 BUDGET
ADMINISTRATIVE	\$1,649,900	\$1,640,000	\$1,686,600
GENERAL OPERATING (Insurance)	1,460,000	1,430,000	1,595,500
ENGINEERING, LEGAL & PROFESSIONAL	<u>539,300</u>	<u>525,000</u>	<u>539,300</u>
Total	<u>\$3,649,200</u>	<u>\$3,595,000</u>	<u>\$3,821,400</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ADMINISTRATIVE EXPENSES
 2022 ANNUAL BUDGET

Administrative Salaries	\$570,180 (1)
Pension Plan Contribution (11.8% of total compensation)	514,867
Payroll Taxes (7.65% of total compensation)	333,791
Office Lease and Utilities	163,200 (1)
Office Supplies	17,850 (1)
Travel, Meetings and Parking	10,200 (1)
Directors Compensation	15,300 (1)
Printing and Reproduction	12,750 (1)
Telephone/ Data Maintenance	20,400 (1)
Vehicle: Gas & Maintenance	5,100 (1)
Payroll / Employee Processing Services	12,750 (1)
Miscellaneous	10,200 (1)
	\$1,686,588

(1) Allocated based upon office payroll estimate of 51%.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 OFFICE SALARY ALLOCATION
 2022 ANNUAL BUDGET

Executive Director
 Chief Financial Officer
 Chief Accountant
 Senior Accountant
 Senior Accountant
 Senior Accountant
 Senior Accountant
 Administrative Assistant

Base Office Salaries	\$1,118,000
----------------------	-------------

Office Allocation Factor (1)	51.0%
Trinity River Office Salaries	\$570,180

(1) Based upon payroll estimate allocation

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 GENERAL OPERATING EXPENSES
 2022 ANNUAL BUDGET

INSURANCE PREMIUM DESCRIPTION

Property Insurance	\$367,500	(1)	(5)	
Property - Primary Flood	10,000	(2)	(5)	
Texas Commercial Policy (General Liability)	15,300	(3)	(5)	
Excess Liability	-	(9)	(5)	
Watercraft Policy	9,000	(9)	(5)	
Public Official & Employees Liability	6,120	(3)	(4)	(7)
Notary Public Omissions	100	(2)	(4)	
Public Employee Fidelity Bond	500	(2)	(4)	
Pension - Fidelity Bond	102	(3)	(4)	
Pension - Fiduciary Responsibility	4,080	(3)	(5)	
Medical Insurance	994,500	(3)	(6)	(7)
Public Official Position (Director Fidelity)	612	(3)	(4)	
Automobile Insurance	13,260	(3)	(5)	
Workers Compensation	76,500	(3)	(5)	(7)
Dental Insurance	40,800	(3)	(5)	(7)
Vision Insurance	11,220	(3)	(5)	(7)
Combined Group Life/Short & Long Term Disability	45,900	(3)	(5)	(7)
	<u>\$1,595,494</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 51%.
- (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
 2022 ANNUAL BUDGET

Engineering Services	\$300,000	(1)
Legal Services	100,000	(3)
Accounting & Auditing	33,660	(2)
U.S. Geological Fee	16,000	(1)
Computer Support services	40,800	(2)
Website Development & Maintenance	20,400	(2)
Hardware, Software Upgrades and Maintenance	20,400	(2)
Miscellaneous Bank Fees	8,000	(3)
	\$539,260	

- (1) Based upon specific services.
- (2) Allocated based upon total payroll estimate of 51%.
- (3) Based upon specific and allocated services.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF FIELD EXPENDITURES
 2022 ANNUAL BUDGET

<u>FIELD EXPENDITURES</u>	<u>2021 BUDGET</u>	<u>2021 PROJECTED</u>	<u>2022 BUDGET</u>
SALARIES	\$3,707,600	\$3,695,000	\$3,793,100
MATERIALS & SUPPLIES	2,411,900	2,830,000	4,782,800
CONTRACT LABOR AND EQUIPMENT			
Contracted	4,675,100	4,330,000	4,398,900
Purchased	20,000	20,000	26,000
Subtotal	<u>4,695,100</u>	<u>4,350,000</u>	<u>4,424,900</u>
UTILITIES	6,732,500	6,450,000	6,951,500
Total	<u><u>\$17,547,100</u></u>	<u><u>\$17,325,000</u></u>	<u><u>\$19,952,300</u></u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 FIELD EXPENDITURES BY LOCATION
 2022 ANNUAL BUDGET

LOCATIONS	FIELD SALARIES	MATERIALS AND SUPPLIES	CONTRACT LABOR AND EQUIPMENT	UTILITIES	LOCATION TOTAL
Trinity River Pump Station	\$769,972	\$95,600	\$1,804,500	\$2,172,160	\$4,842,232
Maintenance Station	221,750	276,400	32,800	57,500	588,450
Main Canal	479,970	25,300	19,300	0	524,570
Cedar Point Lateral	357,188	24,300	1,300	2,285	385,073
Lynchburg Reservoir	90,465	9,000	1,300	0	100,765
Lynchburg Pump Station	1,395,333	4,303,900	2,536,200	4,707,548	12,942,981
Distribution System	428,054	48,300	29,500	12,000	517,854
Bayport Reservoir	50,392	0	0	0	50,392
	<u>\$3,793,124</u>	<u>\$4,782,800</u>	<u>\$4,424,900</u>	<u>\$6,951,493</u>	<u>\$19,952,317</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF FIELD SALARIES BY LOCATION
 2022 ANNUAL BUDGET

LOCATION	BASE COMPENSATION	RETIREE PAY (1)	4% OVERTIME (2)	TOTAL
Trinity River Pump Station	\$668,242	\$75,000	\$26,730	\$769,972
Maintenance Station	213,221	0	8,529	221,750
Main Canal	461,510	0	18,460	479,970
Cedar Point Lateral	343,450	0	13,738	357,188
Lynchburg Reservoir	86,986	0	3,479	90,465
Lynchburg Pump Station	1,283,974	60,000	51,359	1,395,333
Distribution System	411,590	0	16,464	428,054
Bayport Reservoir	48,454	0	1,938	50,392
	<u>\$3,517,427</u>	<u>\$135,000</u>	<u>\$140,697</u>	<u>\$3,793,124</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
 2022 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	\$73.50	\$45,864
Maintenance Station	0.100	208	73.50	15,288
Main Canal	0.200	416	73.50	30,576
Cedar Point Lateral	0.100	208	73.50	15,288
Lynchburg Reservoir	0.100	208	73.50	15,288
Lynchburg Pump Station	0.350	728	73.50	53,508
Distribution System	0.200	416	73.50	30,576
Bayport Reservoir	0.050	104	73.50	7,644
Subtotal	<u>1.400</u>	<u>2,912</u>	<u>73.50</u>	<u>214,032</u>
<u>SUPERVISORY PERSONNEL (2)</u>				
Trinity River Pump Station	0.600	1,248	64.20	80,122
Maintenance Station	0.300	624	64.20	40,061
Main Canal	0.400	832	64.20	53,414
Cedar Point Lateral	0.350	728	64.20	46,738
Lynchburg Reservoir	0.100	208	64.20	13,354
Lynchburg Pump Station	1.350	2,808	64.20	180,274
Distribution System	0.900	1,872	64.20	120,182
Bayport Reservoir	0.100	208	64.20	13,354
Subtotal	<u>4.100</u>	<u>8,528</u>	<u>64.20</u>	<u>547,499</u>
<u>ALL OTHER PERSONNEL (3)</u>				
Trinity River Pump Station	7.900	16,432	33.00	542,256
Maintenance Station	2.300	4,784	33.00	157,872
Main Canal	5.500	11,440	33.00	377,520
Cedar Point Lateral	4.100	8,528	33.00	281,424
Lynchburg Reservoir	0.850	1,768	33.00	58,344
Lynchburg Pump Station	15.300	31,824	33.00	1,050,192
Distribution System	3.800	7,904	33.00	260,832
Bayport Reservoir	0.400	832	33.00	27,456
Subtotal	<u>40.150</u>	<u>83,512</u>	<u>33.00</u>	<u>2,755,896</u>
Total Base Salaries	<u>45.650</u>	<u>94,952</u>	<u>\$37.04</u>	<u>\$3,517,427</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
 2022 ANNUAL BUDGET

LOCATION AND DESCRIPTION

TRINITY RIVER PUMP STATION

Reliability Contract (NRG) Fuel	\$	50,000
Air Conditioning Repair Parts		1,500
Building / Grounds Maintenance		3,000
Electrical / Instrument		8,000
Herbicides / Insecticides		2,000
Mechanical, Plumbing, Valves, etc.		6,000
Miscellaneous Supplies		15,400
Office / Administrative		2,700
Oils and Lubricants		4,000
Power Tools, Hand Tools & Equip.		3,000
		95,600

MAINTENANCE STATION

Air Conditioning Repair Parts		1,500
Automotive / Equipment Repair Parts		90,000
Building / Grounds Maintenance		1,000
Diesel Fuel		68,400
Electrical / Instrument		6,000
Gasoline		41,100
Herbicides / Insecticides		2,000
Mechanical, Plumbing, Valves, etc.		2,000
Miscellaneous Supplies		13,900
Office / Administrative		5,000
Oils and Lubricants		12,500
Power Tools, Hand Tools & Equip.		6,000
Tires & Batteries		15,000
Welding Equipment & Supplies		12,000
		276,400

MAIN CANAL

Canal Check & Gate Maint.		200
Electrical / Instrument		1,000
Herbicides / Insecticides		10,000
Miscellaneous Supplies		5,100
Power Tools, Hand Tools & Equip.		4,000
Road Base, Sand, Rock, Rip Rap, etc.		5,000
		25,300

CEDAR POINT LATERAL

Canal Check & Gate Maint.		200
Electrical / Instrument		1,000
Herbicides / Insecticides		10,000
Miscellaneous Supplies		5,100
Power Tools, Hand Tools & Equip.		3,000
Road Base, Sand, Rock, Rip Rap, etc.		5,000
		24,300

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF MATERIALS AND SUPPLIES BY LOCATION
 2022 ANNUAL BUDGET

LOCATION AND DESCRIPTION

LYNCHBURG RESERVOIR

Building / Grounds Maintenance	1,000
Herbicides / Insecticides	3,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	9,000

LYNCHBURG PUMP STATION

CHEMICALS:

-- Chlorine	2,675,500
-- Aqua Ammonia	507,300
-- Quantity Variance	318,300
--Misc Chemicals/ Pigtails, Adaptors	38,100
Sub-total - Chemicals:	3,539,200

Reliability Contract (NRG) Fuel	100,000
Air Conditioning Repair Parts	10,000
Building / Grounds Maintenance	21,000
Diesel Fuel	8,600
Electrical / Instrument	17,000
Gasoline	46,500
Herbicides / Insecticides	3,000
Lab Test Equip & Supplies	43,500
Mechanical, Plumbing, Valves, etc.	10,000
Miscellaneous Supplies	172,700
Office / Administrative	49,700
Oils and Lubricants	25,400
Power Tools, Hand Tools & Equip.	169,300
Access Control Devices	5,000
Variable Frequency Drive Repair Parts	80,000
Welding Equip & Supplies	3,000
	4,303,900

DISTRIBUTION SYSTEM

Air Conditioning Repair Parts	1,000
Building / Grounds Maintenance	2,000
Channel Light System	5,000
Electrical / Instrument	2,500
Herbicides / Insecticides	10,000
Mechanical, Plumbing, Valves, etc.	5,600
Miscellaneous Supplies	7,200
Power Tools, Hand Tools & Equip.	10,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	48,300

Total \$4,782,800

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF CONTRACT LABOR AND EQUIPMENT BY LOCATION
 2022 ANNUAL BUDGET

LOCATION AND DESCRIPTION

TRINITY RIVER PUMP STATION	
Reliability Contract (NRG - Service Fee)	850,000
Equipment Rental Services	10,000
Major Motor Repair, 1 each	253,000
Major Pump Repair, 1 each	302,500
Replace Intake Screens (TRP Intake)	45,000
Rebuild / Rehab Pumps 7	302,500
Annual Service Contracts:	
Crane/Hoist Test/Certification	400
Pest Control Service	500
Substation, Relay Testing	9,000
Uniform Service	2,600
Generator Load Testing	1,000
Asset Management Software Upgrade	2,000
Purchase Equipment:	
15 Foot Batwing Mower	26,000
	<u>1,804,500</u>
 MAINTENANCE STATION	
CMS Shop Door Replacement	18,000
Annual Service Contracts:	
Janitorial Service	3,200
Pest Control Service	500
Uniform Service	8,200
Generator Load Testing	900
Asset Management Software Upgrade	2,000
	<u>32,800</u>
 MAIN CANAL	
USGS-Water Level Meters	18,000
Asset Management Software Upgrade	1,300
	<u>19,300</u>
 CEDAR POINT LATERAL	
Asset Management Software Upgrade	1,300
	<u>1,300</u>
 LYNCHBURG RESERVOIR	
Asset Management Software Upgrade	1,300
	<u>1,300</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF CONTRACT LABOR AND EQUIPMENT BY LOCATION
 2022 ANNUAL BUDGET

LOCATION AND DESCRIPTION

LYNCHBURG PUMP STATION	
Reliability Contract (NRG - Service Fee)	1,250,000
Major Motor Repair, 1 each	214,500
Major Pump Repair, 1 each	258,500
Major Motor Repair Motor 105	214,500
Major Motor Repair Motor 106	214,500
Security: Contract Guards	170,000
Security & Safety Training (1st Aid, CPR,AED,etc)	2,000
Training: Safety, RMP, Hazwop, Dam, AirPk,etc.	12,000
Annual Service Contracts:	
Cameral Flood Wall Drain Pipe Inspection	1,000
Crane/Hoist Test/Certification	1,700
SCADA: HSQ Svc/Tech Support	7,800
Janitorial Service	8,400
Pest Control Service	1,100
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
	<u>2,536,200</u>
DISTRIBUTION SYSTEM	
Equipment Rental Services	10,000
Security: Fencing Repairs/Replacement	15,000
Annual Service Contracts:	
Crane/Hoist Test/Certification	400
Generator Load Testing	1,100
Asset Management Software Upgrade	3,000
	<u>29,500</u>
Total	<u><u>\$4,424,900</u></u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF UTILITIES BY LOCATION
 2022 ANNUAL BUDGET

LOCATION	ELECTRICITY				
	KW HOURS	AVG. RATE HOUR (1)	AMOUNT	ALL OTHER (2)	TOTAL
Trinity River Pump Station	38,610,000	\$0.0560	\$2,162,160	\$10,000	\$2,172,160
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	95,052,000	0.0490	4,657,548	50,000	4,707,548
Distribution System	100,000	0.1200 (3)	12,000	0	12,000
	<u>134,272,000</u>	<u>\$0.0512</u>	<u>\$6,875,493</u>	<u>\$76,000</u>	<u>\$6,951,493</u>

(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
 2022 ANNUAL BUDGET

	(1)	(2)	TOTAL
Bond Interest Expense	\$858,500	\$1,304,581	\$2,163,081
Bond Principal Retirement	3,160,000	1,140,000	4,300,000
Total Debt Service	\$4,018,500	\$2,444,581	\$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
 2022 ANNUAL BUDGET

		CWA Special Projects Equity Fund
<u>Large Diameter Pipeline Condition Assessment/ Repairs:</u>		
Assessment: 3 Sections @ 275,000	\$ 825,000	
Repairs: 3 Sections @ 120,000	360,000	\$ 1,185,000
<u>Progress Automation Equipment Warranty - Lynchburg Pump Station</u>		46,150
<u>Radial Gate Replacement (Main Canal)</u>		1,800,000
<u>P201/P206 PER - Lynchburg Pump Station</u>	150,000	
<u>P201/P206 Design - Lynchburg Pump Station</u>	250,000	
<u>Overall Capacity Analysis</u>	75,000	475,000
<u>Lynchburg Pump Station Basement - Sandblasting & Painting</u>		60,000
<u>Distribution System:</u>		
B System Air Vac Replacement	\$ 253,000	
C System Air Vac Replacement	232,000	485,000
Overhead Crane Painting	300,000	
Ammonia Tank Addition	350,000	
A System Flow Meters	550,000	
Excavator	280,000	1,480,000
2022 Total Capital Outlays		\$ 5,531,150