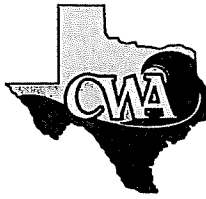


COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT
2020 ANNUAL BUDGET

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
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 2020 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 13, 2019

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

**RE: 2020 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 2020 Calendar Year Budget for the Trinity River Water Conveyance Project for your consideration and approval.

The CWA 2020 Proposed Budget of \$21,594,600 is an increase of about \$1,058,000 from the 2019 Operating Budget of \$20,535,900. The 2020 Budget supports CWA's expected delivery of 220.7 billion gallons of water for the City's treatment plants and its industrial, municipal and agricultural customers. The increase in the 2020 Budget is to accommodate the increase in the usage of pre-treatment chemicals to assist the City's water purification process at its treatment facilities and the replacement of two large diameter flow meters at CWA's Lynchburg Pump Station.

The Capital Improvement Budget includes the funding of \$7.285 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:

- Materials & Supplies reflects an increase in the quantity of pre-treatment chemicals to support the City's request for delivery of water to its water treatment facilities.
- Contract Labor and Equipment reflects an increase due to the replacement of several pieces of operational equipment in 2020.
- The Authority had negotiated a rate reduction in the electricity contract that took effect in 2018 and will continue through 2020.
- The Authority has been able to achieve reduction in the renewal cost of some of its insurance policies utilizing a Risk Management program with the Texas Water Conservation Association in 2017 that continues going into 2020.

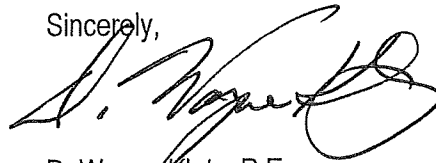
The Honorable Sylvester Turner, Mayor
Members of the City Council
2020 Annual Budget, Trinity River
November 13, 2019
Page 2

The proposed 2020 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 the Department of Houston Public Works and the Legal 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", with a large, stylized 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
 2020 ANNUAL BUDGET

APPLICATION OF FUNDS	2019 BUDGET	2019 PROJECTED	2020 BUDGET
Field Expenditures (1)	\$20,535,900	\$20,200,000	\$21,594,600
Capital Outlay	4,085,000	2,550,000	7,285,000
Debt Service	6,469,700	6,469,700	6,497,000
Total Expenditures	<u>31,090,600</u>	<u>29,219,700</u>	<u>35,376,600</u>
Ending Fund Balances (2)	5,133,973	5,133,973	5,398,673
Total Applications	<u>36,224,573</u>	<u>34,353,673</u>	<u>40,775,273</u>
SOURCE OF FUNDS			
Beginning Fund Balances (2)	4,993,073	4,993,073	5,133,973
Investment Income - Operations	40,000	50,000	30,000
Other Income	275,000	376,500	268,000
Subtotal Sources	<u>5,308,073</u>	<u>5,419,573</u>	<u>5,431,973</u>
Capital Funding - Construction (3)	4,085,000	2,550,000	7,285,000
Debt Service Revenue - City	6,469,700	6,469,700	6,497,000
Subtotal	<u>15,862,773</u>	<u>14,439,273</u>	<u>19,213,973</u>
System Revenue - Project	<u>\$20,361,800</u>	<u>\$19,914,400</u>	<u>\$21,561,300</u>

(1) Includes assets purchased

(2) Project Fund only.

(3) 2020 Construction Funding from Special Project Equity Funding

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
FACTS AND ASSUMPTIONS
2020 ANNUAL BUDGET

FACTS

1. The 2020 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 53%.
5. The 2020 budget reflects the impact of complying with SB361 as it relates to emergency electrical reliability at the two pump stations.
6. The 2020 Capital Outlay Projects are to be funded with CWA's Special Project Equity Fund.

ASSUMPTIONS

1. Salaries anticipate funding the employee benefits of two field retirees.
2. The 2020 budget anticipates staffing to support continuation of activities required to fulfill the obligation of the current contract with the City of Houston.
3. Utility expense anticipates a slight increase due to additional water demands forecasted at the Lynchburg Pump Site.
4. Capital Outlay for 2020 includes funding of land purchase for expanding a portion of the Authority's lateral canals along with major rehabilitation projects on the access road at the Central Maintenance Station, the replacement of the radial gate control on the main canal and continuation of the Large Diameter Pipeline Assessment Program.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 RECONCILIATION OF 2019 BUDGET TO 2020 BUDGET

	2019 Budget to 2020 Budget
2019 Budget	<u>\$20,535,900</u>
Field Salaries	186,500
Materials & Supplies	222,900
Contract Labor & Equipment	717,700
Utilities	(124,500)
Administrative Expense	60,900
General Operating Expenses (Insurance)	(9,000)
Engineering, Legal & Professional	4,200
Subtotal	<u>1,058,700</u>
2020 Budget	<u>\$21,594,600</u>
2020 Capital Improvement Budget (To be funded from Special Project Equity Fund)	<u>\$ 7,285,000</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 STATEMENT OF REVENUES AND EXPENDITURES
 2020 ANNUAL BUDGET

	2019 BUDGET	2019 PROJECTED	2020 BUDGET
REVENUES			
Funds provided by City of Houston	\$26,831,500	\$26,384,100	\$28,058,300
Interest on Investments	40,000	50,000	30,000
Service Revenues(SJRA)	125,000	161,500	168,000
Other	150,000	215,000	100,000
Total Revenue	27,146,500	26,810,600	28,356,300
EXPENDITURES			
Field Salaries	3,519,700	3,650,000	3,706,200
Materials & Supplies	2,332,800	2,450,000	2,555,700
Contract Labor & Equipment (1)	4,242,700	3,940,000	4,960,400
Utilities	7,085,700	6,800,000	6,961,200
Administrative Expenses	1,592,000	1,620,000	1,652,900
General Operating Expenses	1,223,400	1,210,000	1,214,400
Engineering, Legal & Professional	539,600	530,000	543,800
Subtotal	20,535,900	20,200,000	21,594,600
Bond Interest Expense	2,714,700	2,714,700	2,537,000
Bond Principal Retirement	3,755,000	3,755,000	3,960,000
Debt Service	6,469,700	6,469,700	6,497,000
Total Expenditures	27,005,600	26,669,700	28,091,600
Net Increase (Decrease) in Fund Balances	(2) \$140,900	\$140,900	(3) \$264,700

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

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 RECONCILIATION OF FUND ACTIVITY
 2020 ANNUAL BUDGET

	CONVEYANCE SYSTEM DEVELOPMENT FUND	* SPECIAL CONTINGENCY FUND
Beginning Balance	\$168,000	\$3,000,000
Service Revenue	0	0
Interest Earnings	1,700	0
Transfer - Interest	(1,700)	0
Other Revenue	0	0
Expenses	0	0
Debt Service	0	0
Net Activity	0	0
Ending Balance	\$168,000	\$3,000,000

* 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
 2020 ANNUAL BUDGET

	<u>DEBT SERVICE</u>	<u>PROJECT FUND</u>	<u>TOTAL TRINITY RIVER CONVEYANCE PROJECT FUND</u>
Beginning Balance	<u>\$0</u>	<u>\$5,133,973</u>	<u>\$8,301,973</u>
Service Revenue	6,497,000	21,561,300	28,058,300
Interest Earnings	0	28,300	30,000
Transfer - Interest	0	1,700	0
Other Revenue	0	268,000	268,000
Expenses	0	(21,594,600)	(21,594,600)
Debt Service	(6,497,000)	0	(6,497,000)
Net Activity	<u>0</u>	<u>264,700</u>	<u>264,700</u>
Ending Balance	<u><u>\$0</u></u>	<u><u>\$5,398,673</u></u>	<u><u>\$8,566,673</u></u>

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
WATER DEMAND FORECAST
2020 ANNUAL BUDGET

	<u>2019 BUDGET</u>	<u>2019 PROJECTED</u>	<u>2020 BUDGET</u>
Gallons (in thousands)	<u>220,739,700</u>	<u>216,500,000</u>	<u>220,739,700</u>

COASTAL WATER AUTHORITY
TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
INVESTMENT AND OTHER INCOME
2020 ANNUAL BUDGET

INVESTMENT INCOME

Average Cash and Investments	\$2,000,000
Average Effective Interest Rate	1.50%
Total	<u>\$30,000</u>

OTHER INCOME

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

Service Revenue (SJRA)

Other-San Jacinto River Authority	168,000
Total	<u>\$168,000</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF GENERAL AND ADMINISTRATIVE EXPENDITURES
 2020 ANNUAL BUDGET

<u>GENERAL AND ADMINISTRATIVE EXPENDITURES</u>	<u>2019 BUDGET</u>	<u>2019 PROJECTED</u>	<u>2020 BUDGET</u>
ADMINISTRATIVE	\$1,592,000	\$1,620,000	\$1,652,900
GENERAL OPERATING (Insurance)	1,223,400	1,210,000	1,214,400
ENGINEERING, LEGAL & PROFESSIONAL	<u>539,600</u>	<u>530,000</u>	<u>543,800</u>
Total	<u>\$3,355,000</u>	<u>\$3,360,000</u>	<u>\$3,411,100</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ADMINISTRATIVE EXPENSES
 2020 ANNUAL BUDGET

Administrative Salaries	\$557,560 (1)
Pension Plan Contribution (11.8% of total compensation)	503,124
Payroll Taxes (7.65% of total compensation)	326,178
Office Lease and Utilities	165,360 (1)
Office Supplies	15,900 (1)
Travel, Meetings and Parking	13,250 (1)
Directors Compensation	15,900 (1)
Printing and Reproduction	10,600 (1)
Telephone/ Data Maintenance	21,200 (1)
Vehicle: Gas & Maintenance	5,300 (1)
Payroll / Employee Processing Services	10,600 (1)
Miscellaneous	7,950 (1)
	<u>\$1,652,922</u>

(1) Allocated based upon office payroll estimate of 53%.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 OFFICE SALARY ALLOCATION
 2020 ANNUAL BUDGET

Executive Director

Chief Financial Officer

Chief Accountant

Senior Accountant

Senior Accountant

Senior Accountant

Senior Accountant

Administrative Assistant

IT Manager

	Base Office Salaries	\$1,052,000
--	----------------------	-------------

	Office Allocation Factor (1)	53.0%
	Trinity River Office Salaries	\$557,560

(1) Based upon payroll estimate allocation

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 GENERAL OPERATING EXPENSES
 2020 ANNUAL BUDGET

INSURANCE PREMIUM DESCRIPTION

Property Insurance	\$240,000	(1)	(5)	
Property - Primary Flood	6,000	(2)	(5)	
Texas Commercial Policy (General Liability)	22,684	(3)	(5)	
Excess Liability	-	(9)	(5)	
Watercraft Policy	8,450	(9)	(5)	
Public Official & Employees Liability	7,685	(3)	(4)	(7)
Notary Public Omissions	100	(2)	(4)	
Public Employee Fidelity Bond	500	(2)	(4)	
Pension - Fidelity Bond	106	(3)	(4)	
Pension - Fiduciary Responsibility	3,445	(3)	(4)	
Medical Insurance	769,825	(3)	(6)	(7)
Public Official Position (Director Fidelity)	636	(3)	(4)	
Automobile Insurance	13,780	(3)	(5)	
Workers Compensation	60,155	(3)	(5)	(7)
Dental Insurance	38,266	(3)	(5)	(7)
Vision Insurance	6,996	(3)	(5)	(7)
Combined Group Life/Short & Long Term Disability	35,775	(3)	(5)	(7)
	<u>\$1,214,403</u>			

- (1) Allocated based upon total insurable value of 80%.
- (2) Coverage 100% specific for Trinity River.
- (3) Allocated based upon total payroll estimate of 53%.
- (4) Assumes no rate increase.
- (5) Assumes 4% 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
2020 ANNUAL BUDGET

Engineering Services	\$300,000 (1)
Legal Services	100,000 (3)
Accounting & Auditing	34,980 (2)
U.S. Geological Fee	16,000 (1)
Computer Support services	42,400 (2)
Website Development & Maintenance	21,200 (2)
Hardware, Software Upgrades and Maintenance	21,200 (2)
Miscellaneous Bank Fees	8,000 (3)
	<u>\$543,780</u>

(1) Based upon specific services.

(2) Allocated based upon total payroll estimate of 53%.

(3) Based upon specific and allocated services.

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF FIELD EXPENDITURES
 2020 ANNUAL BUDGET

FIELD EXPENDITURES	2019 BUDGET	2019 PROJECTED	2020 BUDGET
SALARIES	\$3,519,700	\$3,650,000	\$3,706,200
MATERIALS & SUPPLIES	2,332,800	2,450,000	2,555,700
CONTRACT LABOR AND EQUIPMENT			
Contracted	3,999,500	3,696,800	4,821,900
Purchased	243,200	243,200	138,500
Subtotal	<u>4,242,700</u>	<u>3,940,000</u>	<u>4,960,400</u>
UTILITIES	7,085,700	6,800,000	6,961,200
Total	<u><u>\$17,180,900</u></u>	<u><u>\$16,840,000</u></u>	<u><u>\$18,183,500</u></u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 FIELD EXPENDITURES BY LOCATION
 2020 ANNUAL BUDGET

LOCATIONS	FIELD SALARIES	MATERIALS AND SUPPLIES	CONTRACT LABOR AND EQUIPMENT	UTILITIES	LOCATION TOTAL
Trinity River Pump Station	\$750,870	\$88,000	\$1,419,800	\$2,068,780	\$4,327,450
Maintenance Station	215,477	283,400	21,500	44,000	564,377
Main Canal	466,808	23,600	54,500	0	544,908
Cedar Point Lateral	347,344	22,600	39,000	1,900	410,844
Lynchburg Reservoir	87,896	9,000	10,000	0	106,896
Lynchburg Pump Station	1,373,488	2,082,000	3,378,100	4,839,338	11,672,926
Distribution System	415,422	47,100	37,500	7,200	507,222
Bayport Reservoir	48,894	0	0	0	48,894
	<u>\$3,706,199</u>	<u>\$2,555,700</u>	<u>\$4,960,400</u>	<u>\$6,961,218</u>	<u>\$18,183,517</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 SUMMARY OF FIELD SALARIES BY LOCATION
 2020 ANNUAL BUDGET

LOCATION	BASE COMPENSATION	RETIREE PAY (1)	4% OVERTIME (2)	TOTAL
Trinity River Pump Station	\$649,875	\$75,000	\$25,995	\$750,870
Maintenance Station	207,189	0	8,288	215,477
Main Canal	448,854	0	17,954	466,808
Cedar Point Lateral	333,985	0	13,359	347,344
Lynchburg Reservoir	84,515	0	3,381	87,896
Lynchburg Pump Station	1,248,546	75,000	49,942	1,373,488
Distribution System	399,444	0	15,978	415,422
Bayport Reservoir	47,013	0	1,881	48,894
	<u>\$3,419,421</u>	<u>\$150,000</u>	<u>\$136,778</u>	<u>\$3,706,199</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
 2020 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	\$71.25	\$44,460
Maintenance Station	0.100	208	71.25	14,820
Main Canal	0.200	416	71.25	29,640
Cedar Point Lateral	0.100	208	71.25	14,820
Lynchburg Reservoir	0.100	208	71.25	14,820
Lynchburg Pump Station	0.350	728	71.25	51,870
Distribution System	0.200	416	71.25	29,640
Bayport Reservoir	0.050	104	71.25	7,410
Subtotal	<u>1.400</u>	<u>2,912</u>	<u>71.25</u>	<u>207,480</u>
<u>SUPERVISORY PERSONNEL (2)</u>				
Trinity River Pump Station	0.600	1,248	61.80	77,126
Maintenance Station	0.300	624	61.80	38,563
Main Canal	0.400	832	61.80	51,418
Cedar Point Lateral	0.350	728	61.80	44,990
Lynchburg Reservoir	0.100	208	61.80	12,854
Lynchburg Pump Station	1.350	2,808	61.80	173,534
Distribution System	0.900	1,872	61.80	115,690
Bayport Reservoir	0.100	208	61.80	12,854
Subtotal	<u>4.100</u>	<u>8,528</u>	<u>61.80</u>	<u>527,029</u>
<u>ALL OTHER PERSONNEL (3)</u>				
Trinity River Pump Station	7.900	16,432	32.15	528,289
Maintenance Station	2.300	4,784	32.15	153,806
Main Canal	5.500	11,440	32.15	367,796
Cedar Point Lateral	4.100	8,528	32.15	274,175
Lynchburg Reservoir	0.850	1,768	32.15	56,841
Lynchburg Pump Station	15.300	31,824	32.15	1,023,142
Distribution System	3.800	7,904	32.15	254,114
Bayport Reservoir	0.400	832	32.15	26,749
Subtotal	<u>40.150</u>	<u>83,512</u>	<u>32.15</u>	<u>2,684,912</u>
Total Base Salaries	<u>45.650</u>	<u>94,952</u>	<u>\$36.01</u>	<u>\$3,419,421</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
 2020 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	9,100
Office / Administrative	1,400
Oils and Lubricants	4,000
Power Tools, Hand Tools & Equip.	3,000
	<u>88,000</u>
MAINTENANCE STATION	
Air Conditioning Repair Parts	1,500
Automotive / Equipment Repair Parts	90,000
Building / Grounds Maintenance	1,000
Diesel Fuel	80,400
Electrical / Instrument	6,000
Gasoline	45,800
Herbicides / Insecticides	2,000
Mechanical, Plumbing, Valves, etc.	2,000
Miscellaneous Supplies	8,200
Office / Administrative	2,500
Oils and Lubricants	11,000
Power Tools, Hand Tools & Equip.	6,000
Tires & Batteries	15,000
Welding Equipment & Supplies	12,000
	<u>283,400</u>
MAIN CANAL	
Canal Check & Gate Maint.	200
Electrical / Instrument	1,000
Herbicides / Insecticides	10,000
Miscellaneous Supplies	3,100
Oils and Lubricants	300
Power Tools, Hand Tools & Equip.	4,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	<u>23,600</u>
CEDAR POINT LATERAL	
Canal Check & Gate Maint.	200
Electrical / Instrument	1,000
Herbicides / Insecticides	10,000
Miscellaneous Supplies	3,100
Oils and Lubricants	300
Power Tools, Hand Tools & Equip.	3,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	<u>22,600</u>

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF MATERIALS AND SUPPLIES BY LOCATION
 2020 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	1,015,700
-- Aqua Ammonia	311,100
-- Quantity Variance	132,700
--Misc Chemicals/ Pigtails, Adaptors	29,900
Sub-total - Chemicals:	1,489,400

Reliability Contract (NRG) Fuel	100,000
Air Conditioning Repair Parts	10,000
Building / Grounds Maintenance	13,000
Diesel Fuel	10,000
Electrical / Instrument	17,000
Gasoline	51,900
Herbicides / Insecticides	3,000
Lab Test Equip & Supplies	11,500
Mechanical, Plumbing, Valves, etc.	10,000
Miscellaneous Supplies	72,000
Office / Administrative	24,500
Oils and Lubricants	14,700
Power Tools, Hand Tools & Equip.	167,000
Access Control Devices	5,000
Variable Frequency Drive Repair Parts	80,000
Welding Equip & Supplies	3,000
	2,082,000

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	5,000
Oils and Lubricants	1,000
Power Tools, Hand Tools & Equip.	10,000
Road Base, Sand, Rock, Rip Rap, etc.	5,000
	47,100

Total \$2,555,700

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF CONTRACT LABOR AND EQUIPMENT BY LOCATION
 2020 ANNUAL BUDGET

LOCATION AND DESCRIPTION

TRINITY RIVER PUMP STATION	
Reliability Contract (NRG - Service Fee)	850,000
Equipment Rental Services	16,000
Major Motor Repair, 1 each	170,000
Major Pump Repair, 1 each	270,000
Replace Intake Screens (TRP Intake)	85,000
Annual Service Contracts:	
Crane/Hoist Test/Certification	400
Pest Control Service	500
Substation, Relay Testing	6,800
Uniform Service	2,600
Generator Load Testing	1,000
Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	2,000
4x4 35 HP Tractor	8,000
Mechanical Service Truck	7,500
	1,419,800
MAINTENANCE STATION	
Annual Service Contracts:	
Janitorial Service	3,200
Pest Control Service	500
Uniform Service	5,900
Generator Load Testing	900
Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	1,000
4x4 35 HP Tractor	5,000
Mechanical Service Truck	5,000
	21,500
MAIN CANAL	
USGS-Water Level Meters	18,000
Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	7,000
4x4 35 HP Tractor	29,500
	54,500
CEDAR POINT LATERAL	
Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	7,000
4x4 35 HP Tractor	29,500
Mechanical Service Truck	2,500
	39,000

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF CONTRACT LABOR AND EQUIPMENT BY LOCATION
 2020 ANNUAL BUDGET

LOCATION AND DESCRIPTION

LYNCHBURG RESERVOIR

Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	2,000
4x4 35 HP Tractor	8,000
	10,000

LYNCHBURG PUMP STATION

Reliability Contract (NRG - Service Fee)	1,250,000
Major Motor Repair, 1 each	194,000
Major Pump Repair, 1 each	234,000
Flow Meter C System (turnkey)	363,000
Flow Meter B System (turnkey)	363,000
LPS Control System Fiber Network Replacement	38,500
P203 Pump Rehab	234,000
P210 Motor Rehab	194,000
Rehab T2 Transformer @ LYNCH Sub	125,000
Security: Contract Guards	168,000
Security & Safety Training (1st Aid, CPR, AED, etc)	2,000
Training: Safety, RMP, Hazwop, Dam, AirPk, etc.	10,000
Annual Service Contracts:	
Cameral Flood Wall Drain Pipe Inspection	1,000
Crane/Hoist Test/Certification	1,700
SCADA: HSQ Svc/Tech Support	7,000
Janitorial Service	8,400
Pest Control Service	500
MSDS ONLINE	2,500
Substation, Relay Testing	53,000
Uniform Service	3,800
VFD Component Repair	80,000
VFD Control System Maint	30,000
Generator Load Testing	1,200
Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	1,000
Mechanical Service Truck	12,500
	3,378,100

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
Purchase Equipment (Allocated) :	
15-Foot Bat Wing Mower	6,000
Mechanical Service Truck	5,000
	37,500

Total \$4,960,400

COASTAL WATER AUTHORITY
 TRINITY RIVER WATER CONVEYANCE PROJECT FUNDS
 ANALYSIS OF UTILITIES BY LOCATION
 2020 ANNUAL BUDGET

LOCATION	ELECTRICITY				
	KW HOURS	AVG. RATE HOUR (1)	AMOUNT	ALL OTHER (2)	TOTAL
Trinity River Pump Station	41,175,600	\$0.0500	\$2,058,780	\$10,000	\$2,068,780
Maintenance Station	400,000	0.0850	34,000	10,000	44,000
Cedar Point Lateral	7,000	0.1285 (3)	900	1,000	1,900
Lynchburg Pump Station	101,469,000	0.0472	4,789,338	50,000	4,839,338
Distribution System	60,000	0.1200 (3)	7,200	0	7,200
	143,111,600	\$0.0481	\$6,890,218	\$71,000	\$6,961,218

(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
 2020 ANNUAL BUDGET

	(1)	(2)	TOTAL
Bond Interest Expense	\$1,125,100	\$1,411,831	\$2,536,931
Bond Principal Retirement	2,900,000	1,060,000	3,960,000
Total Debt Service	\$4,025,100	\$2,471,831	\$6,496,931

- (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
 2020 ANNUAL BUDGET

		<u>CWA Special Projects Equity Fund</u>
<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
<u>Progress Automation Equipment Upgrade - Lynchburg Pump Station</u>		350,000
<u>Radial Gate Replacement (Main Canal)</u>		1,450,000
<u>Lynchburg Pump Station GE Variable Frequency Drive Replacement Project</u>		4,300,000
2020 Total Capital Outlays		<u><u>\$ 7,285,000</u></u>