



Electric Dwf i gv"( "CIP"

FY 2018-19

# Denton Municipal Electric

## 5 Year Forecast

	Actual 2017	Estimate 2018	Proposed 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023
<b>Revenues</b>							
Base Rate Revenues	\$87.3	\$86.0	\$84.5	\$85.6	\$86.7	\$88.0	\$89.2
TCRF Revenues	4.2	5.6	-	-	-	-	-
ECA Revenues	49.4	50.7	51.0	52.1	54.8	58.5	59.4
Rate Revenues	\$141.0	\$142.2	\$135.5	\$137.7	\$141.5	\$146.5	\$148.6
Non-rate Revenues	31.6	40.9	44.0	46.8	52.1	60.0	62.3
Subtotal	\$172.6	\$183.2	\$179.5	\$184.5	\$193.6	\$206.6	\$210.9
Planned Use of Reserves	-	13.8	27.6	-	-	0.3	-
<b>Total Revenues</b>	<b>\$172.6</b>	<b>\$196.9</b>	<b>\$207.1</b>	<b>\$184.5</b>	<b>\$193.6</b>	<b>\$206.8</b>	<b>\$210.9</b>
<b>Expenditures</b>							
Purchased Power & Fuel	\$88.8	\$76.6	\$45.8	\$40.9	\$38.5	\$42.1	\$42.9
Transmission of Power	4.2	5.6	12.5	13.0	13.5	14.0	14.5
Operations & Maintenance	22.4	30.0	34.3	35.0	36.0	37.1	38.1
Cost of Service Transfers	12.4	12.5	14.2	14.6	15.0	15.5	15.9
ROI & Franchise Fee	13.1	14.0	15.1	15.5	16.1	16.9	17.3
Debt Service	29.1	34.4	40.7	49.5	49.6	49.4	48.7
Debt Defeasance	-	-	28.6	-	-	-	-
Revenue Funded Capital	-	24.0	15.9	15.2	24.4	31.8	23.0
<b>Total Expenditures</b>	<b>\$170.1</b>	<b>\$196.9</b>	<b>\$207.1</b>	<b>\$183.6</b>	<b>\$193.1</b>	<b>\$206.8</b>	<b>\$200.4</b>
<b>Net Income</b>	<b>\$2.5</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.9</b>	<b>\$0.5</b>	<b>\$0.0</b>	<b>\$10.5</b>
Base Average Revenue \$/kWh	0.0602	0.0582	0.0565	0.0565	0.0565	0.0565	0.0565
Transmission Cost Recovery Factor \$/kWh	0.0029	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000
Energy Cost Adjustment \$/kWh	0.0361	0.0341	0.0341	0.0344	0.0357	0.0376	0.0376
<b>Total Average Revenue \$/kWh</b>	<b>0.0992</b>	<b>0.0961</b>	<b>0.0906</b>	<b>0.0909</b>	<b>0.0922</b>	<b>0.0940</b>	<b>0.0941</b>
Working Capital + Operating Reserve + TCRF & ECA	\$76.9	\$64.1	\$39.2	\$45.2	\$45.7	\$45.5	\$56.0
Debt Coverage Ratio - 1.25	1.54	1.01	1.40	1.33	1.34	1.34	1.57

**ELECTRIC FUND  
RESOURCES & EXPENDITURE SUMMARY  
2018-19**

<b>RESOURCES</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Base Rate Revenues						
Electric Sales Residential	\$ 40,529,553	\$ 42,902,841	\$ 42,282,283	\$ 42,397,729	\$ 42,957,084	\$ 43,521,766
Electric Sales Commercial	20,192,575	20,082,561	18,642,120	17,701,945	17,935,488	18,171,254
Electric Sales Industrial	24,408,215	25,082,037	22,908,462	22,213,337	22,506,399	22,802,251
Electric Sales Government	713,269	1,760,384	956,486	1,165,116	1,180,488	1,196,006
Electric Sales Other	1,458,209	1,203,511	1,200,360	1,022,836	1,036,330	1,049,953
Total Base Rate Revenues	\$ 87,301,821	\$ 91,031,334	\$ 85,989,711	\$ 84,500,963	\$ 85,615,788	\$ 86,741,231
TCRF Revenues*						
Electric Sales Residential	\$ 1,695,845	\$ 2,191,222	\$ 2,172,587	\$ -	\$ -	\$ -
Electric Sales Commercial	876,786	1,106,821	1,115,378	-	-	-
Electric Sales Industrial	1,630,642	2,170,556	2,189,479	-	-	-
Electric Sales Government	28,670	92,463	56,262	-	-	-
Electric Sales Other	14,434	17,886	19,954	-	-	-
Total TCRF Revenues*	\$ 4,246,377	\$ 5,578,948	\$ 5,553,660	\$ -	\$ -	\$ -
ECA Revenues						
Electric Sales Residential	\$ 20,074,192	\$ 20,055,088	\$ 19,715,635	\$ 19,787,863	\$ 20,211,920	\$ 21,254,594
Electric Sales Commercial	10,712,438	10,130,138	10,207,066	10,245,392	10,464,952	11,004,809
Electric Sales Industrial	21,213,067	19,865,945	20,033,769	20,186,990	20,619,600	21,683,305
Electric Sales Government	381,287	846,265	517,361	642,658	656,430	690,293
Electric Sales Other	450,259	163,698	230,537	158,984	162,391	170,768
ECA Adjustment	(3,384,353)	-	-	-	-	-
Total ECA Revenues	\$ 49,446,890	\$ 51,061,135	\$ 50,704,368	\$ 51,021,886	\$ 52,115,292	\$ 54,803,770
Rate Revenues						
Electric Sales Residential	\$ 62,299,590	\$ 65,149,151	\$ 64,170,505	\$ 62,185,592	\$ 63,169,003	\$ 64,776,360
Electric Sales Commercial	31,781,798	31,319,520	29,964,564	27,947,337	28,400,440	29,176,063
Electric Sales Industrial	47,251,923	47,118,538	45,131,710	42,400,327	43,125,999	44,485,556
Electric Sales Government	1,123,227	2,699,112	1,530,109	1,807,774	1,836,918	1,886,299
Electric Sales Other	1,922,902	1,385,095	1,450,851	1,181,820	1,198,721	1,220,721
ECA Adjustment	(3,384,353)	-	-	-	-	-
TOTAL RATE REVENUES	\$ 140,995,087	\$ 147,671,417	\$ 142,247,739	\$ 135,522,850	\$ 137,731,080	\$ 141,545,000

**ELECTRIC FUND  
RESOURCES & EXPENDITURE SUMMARY  
2018-19**

<b>RESOURCES</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Miscellaneous Service Revenues	\$ 2,523,938	\$ 2,038,180	\$ 2,125,012	\$ 2,106,769	\$ 2,127,837	\$ 2,149,115
TMPA Coverage Return	7,702,462	781,397	781,397	-	-	-
Interest Income	757,187	450,000	565,000	400,000	400,000	400,000
Miscellaneous Income	-	-	-	-	-	-
Tower Lease	72,742	72,559	72,559	-	-	-
Communications Revenues	592,363	603,300	596,400	-	-	-
Internal Fiber Revenue	308,510	319,994	319,994	321,182	321,182	321,182
External Fiber Revenue	38,065	40,749	40,749	14,388	14,388	14,388
Transmission Revenue & Load Congestion	18,152,139	20,192,678	34,909,157	40,055,256	42,787,318	48,016,775
Revenue - Non-Utility Operations	1,492,858	1,509,509	1,509,509	1,125,970	1,148,489	1,171,459
<b>TOTAL OTHER REVENUES</b>	<b>\$ 31,640,263</b>	<b>\$ 26,008,366</b>	<b>\$ 40,919,777</b>	<b>\$ 44,023,565</b>	<b>\$ 46,799,214</b>	<b>\$ 52,072,919</b>
<b>TOTAL REVENUES</b>	<b>\$ 172,635,350</b>	<b>\$ 173,679,784</b>	<b>\$ 183,167,516</b>	<b>\$ 179,546,414</b>	<b>\$ 184,530,294</b>	<b>\$ 193,617,919</b>

\*TCRF - Transmission Cost Recovery Factor



**ELECTRIC FUND  
RESOURCES & EXPENDITURE SUMMARY  
2018-19**

<b>EXPENDITURES</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Administration	\$ 46,199,643	\$ 53,447,297	\$ 76,656,027	\$ 100,896,585	\$ 67,302,014	\$ 77,436,832
Power Supply Administration	1,278,786	2,274,433	648,269	765,104	788,055	811,693
Energy Management	3,189,623	4,751,795	3,740,608	4,691,352	4,832,046	4,976,963
Energy Services	1,133,275	2,503,113	2,115,095	2,029,200	2,065,162	2,102,200
Regulatory & Risk	933,572	1,250,025	947,280	1,083,077	1,115,555	1,149,007
Wholesale Power	93,060,897	82,847,684	82,140,290	58,347,933	53,928,547	51,968,748
Denton Energy Center	-	3,379,667	1,679,430	7,904,634	21,246,165	21,335,022
Operations & Maintenance	4,332,165	5,449,242	5,365,297	6,111,208	6,293,867	6,482,008
System Operations	3,411,419	4,177,307	4,140,369	4,288,413	4,416,692	4,548,820
Distribution	2,020,750	3,196,892	3,115,733	4,269,228	4,396,744	4,528,084
Substations	1,225,656	1,935,107	1,743,917	3,910,293	4,026,669	4,146,538
General Operations Administration	499,142	1,013,643	844,342	957,300	986,011	1,015,586
Engineering	4,117,666	5,105,933	3,932,790	4,322,495	4,452,094	4,585,582
Meter Operations	3,520,858	3,651,095	3,493,635	3,682,651	3,792,751	3,906,151
Customer Accounts	3,274,276	3,420,547	3,997,445	3,404,312	3,506,442	3,611,635
Communications	1,297,139	1,798,231	1,671,691	-	-	-
Safety & Training	623,165	701,742	700,696	451,407	464,787	478,564
<b>TOTAL EXPENDITURES</b>	<b>\$ 170,118,033</b>	<b>\$ 180,903,753</b>	<b>\$ 196,932,914</b>	<b>\$ 207,115,192</b>	<b>\$ 183,613,600</b>	<b>\$ 193,083,436</b>

**ELECTRIC FUND  
RESOURCES & EXPENDITURE SUMMARY  
2018-19**

<b>EXPENDITURES BY CLASSIFICATION</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ 88,843,096	\$ 78,968,736	\$ 76,561,342	\$ 45,847,933	\$ 40,928,547	\$ 38,468,748
Transmission For Others	4,217,800	5,578,948	5,578,948	12,500,000	13,000,000	13,500,000
Personal Services	15,365,743	19,188,817	19,151,317	22,058,235	22,719,982	23,401,581
Materials & Supplies	825,429	1,718,534	1,268,680	1,010,795	1,041,122	1,072,353
Maintenance & Repairs	800,701	1,844,332	1,394,600	1,771,603	1,824,751	1,879,495
Insurance	50,033	621,642	492,892	611,793	630,142	649,047
Return on Investment	5,405,518	5,767,985	5,767,985	6,212,593	6,371,292	6,618,001
Franchise Fee	7,717,675	8,239,978	8,239,978	8,875,132	9,101,845	9,454,286
Miscellaneous	446,459	1,282,213	674,305	660,744	660,744	660,744
Operations	4,386,511	10,360,841	6,979,701	8,154,128	8,089,753	8,332,443
Debt Service	29,141,890	34,399,150	34,360,369	40,683,309	49,452,550	49,569,697
Debt Defeasance	-	-	-	28,620,000	-	-
General Fund Transfers	2,117,101	2,021,450	2,093,930	2,156,748	2,221,451	2,288,093
Transfer to Streets	663,846	696,703	734,802	734,802	756,846	779,551
Transfer to Capital Projects-Electric	669,546	-	-	-	-	-
Transfer to Capital Projects (497)	1,099,650	-	105,000	100,000	100,000	100,000
Transfer to Vehicle Replacement	840,981	869,266	869,266	1,090,632	1,123,351	1,157,053
Transfer to Fleet Services	37,500	36,000	31,725	-	-	-
Transfer to Technology Services	3,877,115	4,794,014	4,801,384	5,992,330	6,172,101	6,357,264
Transfer to Materials Management	443,909	394,086	394,086	665,158	685,113	705,666
Transfer to Utility Administration	396,806	405,502	480,674	455,500	460,465	465,579
Transfer to Customer Service	2,722,410	2,970,556	2,951,930	2,997,423	3,087,346	3,179,966
Fixed Assets	48,314	745,000	-	-	-	-
Capital Reserves	-	-	24,000,000	15,916,335	15,186,200	24,443,866
<b>TOTAL EXPENDITURES</b>	<b>\$ 170,118,033</b>	<b>\$ 180,903,753</b>	<b>\$ 196,932,914</b>	<b>\$ 207,115,192</b>	<b>\$ 183,613,600</b>	<b>\$ 193,083,436</b>

PERSONNEL  
(Full Time Esuivalents)  
TOTAL PERSONNEL

<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
197.00	199.00	199.00	185.00	185.00	186.00

**ELECTRIC FUND  
PERSONNEL SUMMARY  
2018-19**

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Administration	11.00	9.00	9.00	9.00	9.00	9.00
Power Supply Administration	2.00	1.00	1.00	1.00	1.00	1.00
Energy Management	15.00	17.00	17.00	17.00	17.00	17.00
Energy Services	5.00	6.00	6.00	6.00	6.00	6.00
Regulatory & Risk	4.00	4.00	4.00	4.00	4.00	4.00
Wholesale Power	-	-	-	-	-	-
Denton Energy Center	1.00	12.00	12.00	14.00	14.00	14.00
Operations & Maintenance	25.00	25.00	25.00	25.00	25.00	25.00
System Operations	22.00	22.00	22.00	22.00	22.00	22.00
Distribution	33.00	33.00	33.00	30.00	30.00	30.00
Substations	11.00	11.00	11.00	11.00	11.00	12.00
General Operations Administration	2.00	3.00	3.00	3.00	3.00	3.00
Engineering	27.00	17.00	17.00	17.00	17.00	17.00
Meter Operations	24.00	24.00	24.00	24.00	24.00	24.00
Customer Accounts	-	-	-	-	-	-
Communications	11.00	11.00	11.00	-	-	-
Safety & Training	4.00	4.00	4.00	2.00	2.00	2.00
<b>TOTAL PERSONNEL</b>	<b>197.00</b>	<b>199.00</b>	<b>199.00</b>	<b>185.00</b>	<b>185.00</b>	<b>186.00</b>

**SELECTED TOTAL**  
**Statement of Revenues over Expenditures**  
**For the Twelve Months Ending September 30,2017**

		FY 14-15	FY 15-16	FY 16-17	FY 2017-18	FY 2017-18	FY 2018-19	Proposed	%
		Actual	Actual	Actual	Original	Estimate	Proposed	vs Original	Variance
6020	FUEL	\$ -	\$ -	\$ -	\$ 1,700,000	\$ -	\$ -	\$ (1,700,000)	0.00%
	<b>FUEL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (1,700,000)</b>	<b>0.00%</b>
6001	PURCHASED POWER								
6003	TMPA ENERGY	10,788,926	8,142,370	10,459,529	2,649,283	(14,397,310)	(5,450,000)	(8,099,283)	-305.72%
6004	TMPA DEMAND	33,249,971	26,131,965	38,942,575	25,000,939	25,000,939	3,351,290	(21,649,649)	-86.60%
6005	CAPACITY PURCHASES	5,647,778	5,386,728	453,632	-	-	-	-	0.00%
6008	OTHER ENERGY PURCHASES	31,241,082	19,532,765	27,472,599	49,618,514	65,957,713	37,206,098	(12,412,416)	-25.02%
6008	DENTON POWER LLC	674,599	770,928	759,778	-	-	1,356,568	1,356,568	0.00%
6008	RENEWABLE ENERGY CREDITS	1,782,000	1,814,900	1,726,240	-	-	1,627,373	1,627,373	0.00%
6008	ERCOT ENERGY PURCHASES	12,372,392	12,171,272	9,028,744	-	-	7,756,604	7,756,604	0.00%
	<b>PURCHASED POWER</b>	<b>\$ 95,756,749</b>	<b>\$ 73,950,928</b>	<b>\$ 88,843,096</b>	<b>\$ 77,268,736</b>	<b>\$ 76,561,342</b>	<b>\$ 45,847,933</b>	<b>\$ (31,420,803)</b>	<b>-40.66%</b>
6070	TRANSMISSION OF POWER								
6072	TRANSMISSION BY OTHERS	3,878,418	4,075,497	4,217,800	5,578,948	5,578,948	12,500,000	6,921,052	124.06%
6073	TRANS OPERATOR COSTS	-	-	-	-	-	-	-	0.00%
6079	LOAD CONGESTION EXPENSES	(1,615,450)	-	-	-	-	-	-	0.00%
	<b>TRANSMISSION OF POWER</b>	<b>\$ 2,262,968</b>	<b>\$ 4,075,497</b>	<b>\$ 4,217,800</b>	<b>\$ 5,578,948</b>	<b>\$ 5,578,948</b>	<b>\$ 12,500,000</b>	<b>\$ 6,921,052</b>	<b>124.06%</b>
6101	SERVICE/MAINTENANCE	8,538,857	9,622,464	10,463,017	17,985,564	17,646,824	17,011,736	(973,828)	-5.41%
6102	OFFICE/CLERICAL	-	-	-	-	-	-	-	0.00%
6103	TECH/PARAPROFESSIONAL	637	-	-	-	-	-	-	0.00%
6104	PROFESSIONAL	-	-	-	-	-	-	-	0.00%
6105	MGMT/SUPERVISION	-	-	-	-	-	-	-	0.00%
6110	OVERTIME - REGULAR	488,132	832,284	671,991	1,316,957	1,300,873	1,320,415	3,458	0.26%
6111	OVERTIME - CIVIL SERVICE	-	-	180	-	-	-	-	0.00%
6112	LONGEVITY	71,416	78,324	82,476	90,335	82,396	79,892	(10,443)	-11.56%
6119	CAR ALLOWANCE	12,050	11,600	9,750	12,000	6,000	6,000	(6,000)	-50.00%
6123	CELL PHONE ALLOWANCE	21,523	20,884	24,419	33,363	33,328	36,422	3,059	9.17%
6130	EMPLOYEE BENEFITS	-	-	-	-	-	-	-	0.00%
6142	FICA/MEDICARE	648,233	749,967	796,303	1,453,852	1,459,546	1,384,682	(69,170)	-4.76%
6143	TMRS - CITY	1,649,952	1,878,725	1,958,262	3,402,310	3,263,647	3,199,153	(203,157)	-5.97%
6150	MEDICAL INSURANCE	1,584,059	1,732,805	1,593,699	3,028,962	2,926,958	2,930,992	(97,970)	-3.23%
6156	LIFE INSURANCE	19,543	8,709	5,564	10,997	10,814	10,487	(510)	-4.64%
6158	LONG TERM DISABILITY INS	28,238	15,391	13,386	23,285	22,596	21,955	(1,330)	-5.71%
6162	WORKERS COMPENSATION	46,234	52,496	5,593	30,977	30,977	226,310	195,333	630.57%
6163	LONG TERM DISABILITY	-	937	76	-	-	-	-	0.00%
6195	SALARY ADJUSTMENT	-	-	-	-	-	-	-	0.00%
6196	SALARY SAVINGS	-	-	-	(308,000)	-	(327,500)	(19,500)	6.33%
6197	VACATION & SICK ACCRUALS	-	-	-	-	-	-	-	0.00%
6198	LABOR CHARGEBACK	3,791,928	4,202,982	4,471,647	-	-	-	-	0.00%
6198	DIRECT LABOR CHARGEBACK	819,162	469,445	748,969	-	-	400,000	400,000	0.00%
6198	LABOR CHARGEBACK - INSTALL COS	(192,042)	(42,337)	(258,972)	(190,000)	(190,000)	(190,000)	-	0.00%
6199	CAPITAL LABOR	(4,611,090)	(4,672,427)	(5,220,616)	(7,701,784)	(7,442,643)	(4,052,313)	3,649,471	-47.38%
	<b>PERSONAL SERVICES</b>	<b>\$ 12,916,832</b>	<b>\$ 14,962,250</b>	<b>\$ 15,365,743</b>	<b>\$ 19,188,818</b>	<b>\$ 19,151,316</b>	<b>\$ 22,058,231</b>	<b>\$ 2,869,413</b>	<b>14.95%</b>
6300	MATERIALS AND SUPPLIES								
6301	OFFICE SUPPLIES	-	-	-	-	20,000	-	-	0.00%
6302	OFFICE SUPPLIES	81,276	127,711	107,591	124,000	92,050	120,000	(4,000)	-3.23%
6302	OFFICE SUPPLIES - ACM FIN	-	-	-	-	-	-	-	0.00%
6304	COPY CHARGES	10,254	10,108	12,430	21,650	13,775	16,350	(5,300)	-24.48%

**SELECTED TOTAL**  
**Statement of Revenues over Expenditures**  
**For the Twelve Months Ending September 30,2017**

		FY 14-15	FY 15-16	FY 16-17	FY 2017-18	FY 2017-18	FY 2018-19	Proposed	%
		Actual	Actual	Actual	Original	Estimate	Proposed	vs Original	Variance
6305	REPROGRAPHICS COPY CHGS	838	1,051	7,276	15,500	11,500	5,950	(9,550)	-61.61%
6306	COPIER SUPPLIES	14,898	4,546	5,577	5,000	4,000	12,000	7,000	140.00%
6308	POSTAGE	825	1,277	1,600	14,100	11,754	4,050	(10,050)	-71.28%
6310	UNIFORMS & CLOTHING	-	-	-	-	-	-	-	0.00%
6312	UNIFORMS	53,928	67,569	77,941	118,901	103,771	111,195	(7,706)	-6.48%
6313	UNIFORMS-OTHER	423	-	296	-	-	-	-	0.00%
6314	PROTECTIVE CLOTHING	129,208	124,417	135,088	118,500	122,800	146,700	28,200	23.80%
6320	COMPUTER SUPPLIES	-	-	-	-	2,000	-	-	0.00%
6322	COMPUTER FORMS & SUPPLIES	2,805	2,148	13,207	16,000	6,250	4,600	(11,400)	-71.25%
6324	COMPUTER PAPER	-	-	-	1,000	-	-	(1,000)	0.00%
6330	BOOKS & MAGAZINES	3,042	1,656	7,606	15,100	9,200	8,600	(6,500)	-43.05%
6332	SMALL TOOLS & INSTRUMENTS	219,914	182,717	189,413	234,500	219,450	206,300	(28,200)	-12.03%
6334	CHEMICALS	8	-	-	25,450	25,250	-	(25,450)	0.00%
6336	MEDICAL SUPPLIES	5,867	6,339	411	11,700	6,500	8,700	(3,000)	-25.64%
6340	FREIGHT	4,569	4,506	3,313	8,650	2,650	11,950	3,300	38.15%
6342	JANITORIAL SUPPLIES	142	4	-	33,100	17,000	11,500	(21,600)	-65.26%
6346	MECHANICAL- ELECTRICAL	68	-	-	-	-	20,000	20,000	0.00%
6350	PLASTIC REFUSE BAGS	230	-	-	-	-	-	-	0.00%
6352	GENERATING PLANT	-	-	-	-	-	-	-	0.00%
6364	SPECIAL COMPRESSED GAS	797	3,936	3,979	-	4,000	9,500	9,500	0.00%
6368	STREET LIGHT & SIGNAL	17,492	623	1,858	10,100	10,100	10,050	(50)	-0.50%
6372	OUTSIDE SUPPLIES	8,567	4,919	5,758	292,500	225,950	24,500	(268,000)	-91.62%
6374	RADIO SUPPLIES	68,987	89,456	93,374	80,000	96,500	1,600	(78,400)	-98.00%
6376	OVERHEAD LINE EXPENSE	12,019	15,741	18,851	46,500	30,750	47,000	500	1.08%
6378	UNDERGROUND LINE EXPENSE	16,765	15,510	17,723	50,000	18,000	51,500	1,500	3.00%
6380	SECURITY LIGHTS SUPPLY	223	2,519	-	1,500	-	500	(1,000)	-66.67%
6384	FIBER SUPPLIES	58,207	10,803	4,709	20,000	15,000	-	(20,000)	0.00%
6386	DOCUMENT PRINTING	-	-	-	-	-	-	-	0.00%
6389	RECREATION PROGRAM	-	-	2,067	-	-	-	-	0.00%
6390	OTHER/MISC MATERIALS	(647)	4,139	(933)	-	-	-	-	0.00%
6391	FURNITURE & FIXTURES	3,027	6,565	9,162	120,002	42,200	16,000	(104,002)	-86.67%
6392	OFFICE MACHINES	28,280	138,271	59,785	176,911	72,861	63,175	(113,736)	-64.29%
6393	MACHINES & EQUIP	101,905	48,890	36,797	88,000	37,600	39,150	(48,850)	-55.51%
6394	MISCELLANEOUS EQUIPMENT	8,260	35,359	10,516	50,190	42,689	14,945	(35,245)	-70.22%
6395	RADIOS	-	-	-	19,680	5,080	14,980	(4,700)	-23.88%
6396	MATERIALS CHARGEBACK	-	-	-	-	-	-	-	0.00%
6400	INVENTORY	-	-	-	-	-	-	-	0.00%
6408	GASOLINE PURCHASES	-	-	35	-	-	-	-	0.00%
6412	ELECTRIC INVENTORY PURCHASE	-	-	-	-	-	30,000	30,000	0.00%
	<b>MATERIALS AND SUPPLIES</b>	<b>\$ 852,177</b>	<b>\$ 910,782</b>	<b>\$ 825,429</b>	<b>\$ 1,718,534</b>	<b>\$ 1,268,680</b>	<b>\$ 1,010,795</b>	<b>\$ (737,739)</b>	<b>-42.93%</b>
6500	MAINTENANCE & REPAIR								
6502	FURNITURE & FIXTURES	661	6,300	5,850	40,400	27,000	20,500	(19,900)	-49.26%
6504	OFFICE MACHINES	170,942	146,066	134,264	379,880	148,000	22,000	(357,880)	-94.21%
6506	MACHINERY & EQUIPMENT	47,401	20,802	23,241	307,252	261,500	64,600	(242,652)	-78.97%
6508	OTHER	44	4,246	19,205	125,000	5,000	2,000	(123,000)	-98.40%
6510	CONTAINERS	-	100	-	-	-	-	-	0.00%
6512	BUILDING & EQUIPMENT	68,697	43,477	97,480	177,000	124,000	147,000	(30,000)	-16.95%
6514	SIDEWALKS & GROUNDS	-	329	115	-	-	-	-	0.00%
6520	TRAFFIC LIGHTS	-	49	-	-	-	-	-	0.00%

**SELECTED TOTAL**  
**Statement of Revenues over Expenditures**  
**For the Twelve Months Ending September 30,2017**

		FY 14-15	FY 15-16	FY 16-17	FY 2017-18	FY 2017-18	FY 2018-19	Proposed	%
		Actual	Actual	Actual	Original	Estimate	Proposed	vs Original	Variance
6522	STREET LIGHTS	7,932	24,955	6,737	37,500	35,000	37,500	-	0.00%
6523	SYSTEM REPAIR MATERIAL	194	145	50	5,000	5,000	5,000	-	0.00%
6525	GENERATING MACHINERS	-	-	-	-	-	85,000	85,000	0.00%
6526	ACCESSORY ELECTRIC EQUIPMENT	121,839	122,136	141,181	126,000	124,900	135,000	9,000	7.14%
6528	SUBSTATIONS	128,383	109,250	167,704	300,000	450,000	800,000	500,000	166.67%
6530	TRANSFORMERS	4,165	4,794	4,246	30,000	12,500	30,000	-	0.00%
6532	METERS	4,532	11,025	12,822	33,100	10,000	15,000	(18,100)	-54.68%
6534	OH DISTRIBUTION	71,306	79,418	56,309	57,000	57,000	80,000	23,000	40.35%
6536	RADIO EQUIPMENT	84,672	92,400	89,400	106,200	78,200	78,004	(28,196)	-26.55%
6540	SECURITY LIGHTS	461	133	-	1,500	1,500	1,500	-	0.00%
6542	UG DIST SYSTEM	34,114	43,911	8,615	48,500	38,500	48,500	-	0.00%
6544	PLUMBING REPAIRS	-	-	-	-	-	-	-	0.00%
6545	OUTSIDE CONTRACTED SERVICES	13,340	18,365	33,463	70,000	16,500	200,000	130,000	185.71%
6546	WATER WELLS	19	-	-	-	-	-	-	0.00%
6551	DAMAGE TO MISC CITY PROPERTY	-	-	18	-	-	-	-	0.00%
	<b>MAINTENANCE &amp; REPAIR</b>	<b>\$ 758,703</b>	<b>\$ 727,901</b>	<b>\$ 800,701</b>	<b>\$ 1,844,332</b>	<b>\$ 1,394,600</b>	<b>\$ 1,771,604</b>	<b>\$ (72,728)</b>	<b>-3.94%</b>
6600	DEPRECIATION EXPENSE	-	-	-	-	-	-	-	0.00%
	<b>DEPRECIATION EXPENSE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
6700	INSURANCE	-	-	-	-	-	-	-	-
6704	COMMERCIAL INSURANCE PREM	82,289	81,532	13,899	94,505	94,505	91,359	(3,146)	-3.33%
6706	SELF INSURANCE PREMIUM	290,861	327,167	36,134	382,937	382,937	520,434	137,497	35.91%
6712	AGGREGATE STOP/LOSS - LIFE	-	-	-	144,200	15,450	-	(144,200)	0.00%
6725	OPEB EXPENSE	-	-	-	-	-	-	-	0.00%
	<b>INSURANCE</b>	<b>\$ 373,150</b>	<b>\$ 408,699</b>	<b>\$ 50,033</b>	<b>\$ 621,642</b>	<b>\$ 492,892</b>	<b>\$ 611,793</b>	<b>\$ (9,849)</b>	<b>-1.58%</b>
6800	ADMINISTRATIVE COST	-	-	-	-	-	-	-	-
6804	RETURN ON INVESTMENT TRSF	4,839,573	4,992,005	5,405,518	5,767,985	5,767,985	6,212,593	444,608	7.71%
6806	FRANCHISE FEE EXPENSE	6,907,042	7,125,480	7,717,675	8,239,978	8,239,978	8,875,132	635,154	7.71%
	<b>ADMINISTRATIVE COST</b>	<b>\$ 11,746,615</b>	<b>\$ 12,117,485</b>	<b>\$ 13,123,193</b>	<b>\$ 14,007,963</b>	<b>\$ 14,007,963</b>	<b>\$ 15,087,725</b>	<b>\$ 1,079,762</b>	<b>7.71%</b>
7700	MISCELLANEOUS	-	-	-	-	-	-	-	-
7702	AWARDS	18,733	23,389	23,153	25,013	23,361	26,364	1,351	5.40%
7704	COUNCIL BOARD EXPENSES	-	-	-	1,700	1,648	-	(1,700)	0.00%
7710	SOLAR INSTALLATIONS	190,707	173,127	205,912	200,000	300,000	300,000	100,000	50.00%
7710	OTHER REBATES	-	-	115,995	240,000	240,000	240,000	-	0.00%
7710	GREENSENSE PROGRAM	-	-	-	-	-	-	-	0.00%
7710	TWU REBATES	-	-	-	600,000	-	-	(600,000)	0.00%
7720	REFUND PRIOR YEAR REVENUE	-	-	896	-	-	-	-	0.00%
7727	DAMAGE CLAIMS - CITY	-	-	275	-	-	-	-	0.00%
7729	CHAMBER OF COMMERCE	100,614	108,565	98,048	109,000	102,797	94,379	(14,621)	-13.41%
7730	RESEARCH & DEVELOPMENT	2,852	-	2,180	106,500	6,500	-	(106,500)	0.00%
7740	COUNCIL CONTINGENCY FUNDS	-	-	-	-	-	-	-	0.00%
7760	MISC COMMUNITY SERVICE	-	-	-	-	-	-	-	0.00%
	<b>MISCELLANEOUS</b>	<b>\$ 312,907</b>	<b>\$ 305,081</b>	<b>\$ 446,459</b>	<b>\$ 1,282,213</b>	<b>\$ 674,306</b>	<b>\$ 660,743</b>	<b>\$ (621,470)</b>	<b>-48.47%</b>

**SELECTED TOTAL**  
**Statement of Revenues over Expenditures**  
**For the Twelve Months Ending September 30,2017**

		FY 14-15	FY 15-16	FY 16-17	FY 2017-18	FY 2017-18	FY 2018-19	Proposed	%
		Actual	Actual	Actual	Original	Estimate	Proposed	vs Original	Variance
7800	OPERATIONS								
7802	HIRE OF EQUIPMENT	-	24,416	21	55,600	30,000	30,500	(25,100)	-45.14%
7804	LICENSES	556,123	494,215	666,855	1,377,062	887,300	1,128,512	(248,550)	-18.05%
7805	STATE/REGULATORY FEES	46	-	-	-	-	5,000	5,000	0.00%
7806	DUES	97,460	108,865	117,138	167,743	129,000	128,000	(39,743)	-23.69%
7808	CMO CONTINGENCY	-	-	-	10,000	-	-	(10,000)	0.00%
7809	TRANSPORTATION CHARGEBACK	(92,457)	(18,674)	(119,415)	(90,000)	(90,000)	(90,000)	-	0.00%
7810	LAUNDRY SERVICES	-	-	-	3,000	3,000	-	(3,000)	0.00%
7812	POLICE AGENT INFORMATION	1,000	-	-	-	-	-	-	0.00%
7818	EMPLOYEE RECRUITMENT	4,416	8,144	16,492	17,700	45,500	16,400	(1,300)	-7.34%
7820	EMPLOYEE TRAINING	30,587	24,748	15,752	76,000	67,250	27,000	(49,000)	-64.47%
7830	BAD DEBT	282,548	314,630	551,865	449,991	1,045,515	406,889	(43,102)	-9.58%
7832	INTEREST UTILITY DEPOSIT	5,747	15,429	25,542	41,000	50,000	30,000	(11,000)	-26.83%
7833	DRAINAGE FEE	2,888	2,888	2,888	2,900	3,000	3,300	400	13.79%
7840	VEHICLE OPERATIONS	-	-	-	-	-	-	-	0.00%
7842	GAS & OIL	119,880	96,333	120,300	168,970	165,220	136,882	(32,088)	-18.99%
7844	VEHICLE MAINTENANCE	209,580	260,286	314,976	411,897	408,147	342,992	(68,905)	-16.73%
7846	MOTOR POOL RECOVERY PAYMENTS	(375,507)	(370,589)	(369,908)	-	-	-	-	0.00%
7850	PROFESSIONAL SVCS	-	-	-	-	-	-	-	0.00%
7851	380 AGREEMTS-AD VALOREM REBATE	-	-	-	-	-	-	-	0.00%
7853	380 AGREEMTS-SALES TAX REBATES	-	-	-	-	-	-	-	0.00%
7854	CONSULTANT FEES	1,219,972	1,914,478	977,713	3,602,620	1,505,000	2,227,200	(1,375,420)	-38.18%
7855	ENVIRONMENTAL COMPLIANCE	-	5,372	-	10,000	10,000	15,000	5,000	50.00%
7856	ATTNY FEES - LITIGATION EXP	56,365	45,389	61,381	265,000	75,000	375,000	110,000	41.51%
7860	CONS ENG DESIGN/BID	-	-	-	60,000	-	-	(60,000)	0.00%
7867	BOND ISSUANCE COST	-	-	-	-	-	-	-	0.00%
7868	TEMPORARY PERSONNEL SERVICE	-	-	-	158,250	-	-	(158,250)	0.00%
7869	JANITORIAL SERVICES	37,239	42,552	44,253	52,687	58,397	72,238	19,551	37.11%
7870	APPRAISAL DISTRICT	567	149	-	-	-	-	-	0.00%
7874	CITY INSPECTION	-	35	-	-	-	-	-	0.00%
7877	PHONE SERVICES	344	344	-	-	-	-	-	0.00%
7879	OUTSIDE CONTRACT SERVICES	62,062	93,916	49,692	106,750	162,508	100,000	(6,750)	-6.32%
7880	OUTSIDE SERVICES	-	594	-	6,000	-	1,000	(5,000)	-83.33%
7886	MOWING EXPENSE	10,776	4,414	-	28,500	11,500	12,000	(16,500)	-57.89%
7887	COURIER SERVICE	1,766	1,089	158	1,300	1,300	650	(650)	-50.00%
7888	DRUG SCREEN	3,777	1,531	23	10,901	2,800	-	(10,901)	0.00%
7894	K-9 EXPENSES	311	130	-	-	-	-	-	0.00%
7899	OUTSIDE CONTRACT SERVICE	806,025	1,012,945	1,136,567	1,777,659	1,145,356	1,327,500	(450,159)	-25.32%
7900	TRAVEL & CONFERENCE	-	-	-	-	-	-	-	0.00%
7902	TRAVEL EXPENSE	-	-	-	433,018	-	-	(433,018)	0.00%
7902	APPRENTICE TRAINING	18,178	18,962	16,515	15,000	24,675	40,800	25,800	172.00%
7902	CONFERENCES	130,580	128,402	83,068	18,560	131,825	113,073	94,513	509.23%
7902	EQUIPMENT TESTING & TRAINING	-	2,189	836	-	-	-	-	0.00%
7902	ERCOT	25,482	47,068	28,294	2,000	73,200	98,700	96,700	4835.00%
7902	JOB TRAINING	107,517	78,423	41,953	13,801	97,000	72,101	58,300	422.43%
7902	METER READERS MILEAGE	189	-	-	-	-	-	-	0.00%
7902	MISCELLANEOUS	60,518	51,462	60,814	7,000	27,000	17,000	10,000	142.86%
7902	PUC RELATED	-	-	-	-	-	-	-	0.00%
7902	SAFETY TRAINING	37,810	57,410	42,133	43,713	59,000	47,713	4,000	9.15%

**SELECTED TOTAL**  
**Statement of Revenues over Expenditures**  
**For the Twelve Months Ending September 30,2017**

		FY 14-15	FY 15-16	FY 16-17	FY 2017-18	FY 2017-18	FY 2018-19	Proposed	%
		Actual	Actual	Actual	Original	Estimate	Proposed	vs Original	Variance
7902	TMPA	1,879	2,273	354	-	-	-	-	0.00%
7903	MILEAGE REIMBURSEMENT	236	923	774	1,000	-	1,000	-	0.00%
7904	COUNCIL & BOARD MEALS	2,716	1,706	1,279	1,500	1,000	1,500	-	0.00%
7906	LEGISLATIVE TRAVEL	2,000	-	2,000	-	-	-	-	0.00%
7908	SCHOOLS & SEMINARS	26,176	18,215	30,785	295,560	-	-	(295,560)	0.00%
7908	APPRENTICE TRAINING	31,044	41,636	31,367	25,000	58,700	41,250	16,250	65.00%
7908	CONFERENCES	3,208	6,148	6,927	5,213	33,800	75,463	70,250	1347.59%
7908	EQUIPMENT TESTING & TRAINING	-	-	2,300	-	-	-	-	0.00%
7908	ERCOT	23,032	13,797	18,077	-	19,100	9,000	9,000	0.00%
7908	JOB TRAINING	32,603	45,322	11,102	9,925	120,363	81,425	71,500	720.40%
7908	MISCELLANEOUS	150	631	(350)	-	5,000	5,000	5,000	0.00%
7908	SAFETY TRAINING	725	148	1,000	6,000	18,500	9,500	3,500	58.33%
7910	ADVERTISING	-	-	-	-	-	-	-	0.00%
7912	ADVERTISING	124,330	125,911	93,788	281,700	183,700	236,400	(45,300)	-16.08%
7914	MARKETING	6,400	9,605	10,320	80,000	51,000	50,000	(30,000)	-37.50%
7920	RENTS & LEASES	-	-	-	-	-	-	-	0.00%
7921	RENT OF VEHICLE	-	1,249	1,574	-	-	-	-	0.00%
7922	RENT OF BUILDING	-	397	-	-	-	-	-	0.00%
7927	LEASE OF VEHICLE	-	128	-	-	-	-	-	0.00%
7930	UTILITIES	-	-	-	-	-	-	-	0.00%
7934	ELECTRICAL SERVICES	145,831	149,391	154,384	170,700	210,200	796,000	625,300	366.32%
7936	WATER & WASTEWATER SERVICES	15,771	25,007	20,083	43,500	37,000	81,000	37,500	86.21%
7938	SOLID WASTE COLLECTION S	38,333	45,959	44,751	40,000	58,500	11,500	(28,500)	-71.25%
7940	TELEPHONE	-	-	-	-	-	-	-	0.00%
7942	TELEPHONE - FIXED COST	128,801	8,894	9,537	7,000	10,185	8,000	1,000	14.29%
7944	TELEPHONE - LONG DISTANCE	2,263	2,554	1,310	27,180	5,200	4,300	(22,880)	-84.18%
7946	TELEPHONE/MOBILE/PAGER	64,516	59,839	59,244	61,940	38,960	57,340	(4,600)	-7.43%
<b>OPERATIONS</b>		<b>\$ 4,071,803</b>	<b>\$ 5,027,277</b>	<b>\$ 4,386,511</b>	<b>\$ 10,360,840</b>	<b>\$ 6,979,701</b>	<b>\$ 8,154,128</b>	<b>\$ (2,206,712)</b>	<b>-21.30%</b>
8100	INTEREST EXPENSE & FISCAL CHA								
8102	INTEREST EXPENSE	(2,543,807)	-	-	-	-	-	-	0.00%
8104	BOND PRINCIPAL PAID	-	-	-	34,399,150	34,360,369	69,303,309	34,904,159	101.47%
8106	FISCAL AGENT FEE	5,608	6,599	4,711	-	-	-	-	0.00%
<b>INTEREST EXPENSE &amp; FISCAL CHA</b>		<b>\$ (2,538,199)</b>	<b>\$ 6,599</b>	<b>\$ 4,711</b>	<b>\$ 34,399,150</b>	<b>\$ 34,360,369</b>	<b>\$ 69,303,309</b>	<b>\$ 34,904,159</b>	<b>101.47%</b>
8300	DEBT SERVICE TRANSFER								
8301	DEBT SERVICE TRANSFER	19,748,500	4,359,936	-	-	-	-	-	0.00%
8301	DEBT SERVICE TRANSFER - GENERAL	-	24,324,651	29,137,180	-	-	-	-	0.00%
8301	DEBT SERVICE TRANSFER - UTILITY	5,887,825	415,825	-	-	-	-	-	0.00%
<b>DEBT SERVICE TRANSFER</b>		<b>\$ 25,636,325</b>	<b>\$ 29,100,412</b>	<b>\$ 29,137,180</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>



**SELECTED TOTAL**  
**Statement of Revenues over Expenditures**  
**For the Twelve Months Ending September 30,2017**

	FY 14-15	FY 15-16	FY 16-17	FY 2017-18	FY 2017-18	FY 2018-19	Proposed	%
	Actual	Actual	Actual	Original	Estimate	Proposed	vs Original	Variance
8400 INTERFUND TRANSFERS							-	0.00%
8402 TRSFR TO GENERAL FUND	-	-	-	-	-	-	-	0.00%
8402 COST OF SERVICE GEN GOV	1,779,788	2,113,438	2,117,101	2,021,450	-	-	(2,021,450)	0.00%
8402 BOND SALE SAVINGS	389,953	-	-	-	-	-	-	0.00%
8410 TRSFR TO SOLID WASTE	-	-	1,818	-	-	-	-	0.00%
8411 TRSFR TO CAPITAL PROJECTS	-	-	-	-	-	-	-	0.00%
8411 TRSFR TO CAPITAL PROJECTS - ELECTRIC	2,458	202,684	464,619	-	24,000,000	15,916,335	15,916,335	0.00%
8411 TRSFR TO CAPITAL PROJECTS - SOLID WASTE	-	-	3,489	-	-	-	-	0.00%
8411 TRSFR TO CAPITAL PROJECTS - VEH REPL	721,578	757,731	840,981	869,266	869,266	1,090,632	221,366	25.47%
8411 TRSFR TO CAPITAL PROJECTS - TECH SVCS	-	-	4,800	-	-	-	-	0.00%
8411 TRSFR TO CAPITAL PROJECTS - GEN FUND	-	-	199,620	-	-	-	-	0.00%
8411 TRSFR TO CAPITAL PROJECTS - ELECTRIC (497)	453,500	1,174,000	1,099,650	-	105,000	100,000	100,000	0.00%
8412 TRSFR TO FLEET SERVICES FUND	47,775	38,000	37,500	36,000	-	-	(36,000)	0.00%
8413 TRANSFER TO VEHICLE REPLACEMENT	-	-	-	-	-	-	-	0.00%
8416 TRANSFER TO TECH SVCS FUND	2,963,932	3,208,571	3,872,315	4,794,014	-	-	(4,794,014)	0.00%
8419 TRANSFER TO SPEC REV FUNDS	-	596,703	663,846	696,703	-	-	(696,703)	0.00%
8420 INTERNAL UTILITY TRANSFERS	-	-	-	-	-	-	-	0.00%
8421 TRSFR TO MATERIALS MANAGEMENT	385,030	402,382	443,909	394,086	-	-	(394,086)	0.00%
8422 TRSFR TO UTILITY ADMINISTRATION	394,748	384,988	396,806	405,502	-	-	(405,502)	0.00%
8426 TRSFR TO CUSTOMER SERVICE	2,851,522	2,704,586	2,722,410	2,970,556	-	-	(2,970,556)	0.00%
8440 ADMIN TRSFR - GENERAL FUND	-	-	-	-	2,093,930	2,156,748	2,156,748	0.00%
8440 TRSFR TO STREET IMPROVEMENT	-	-	-	-	-	-	-	0.00%
8440 ADMIN TRSFR - UTILITY ADMIN	-	-	-	-	480,674	455,500	455,500	0.00%
8440 ADMIN TRSFR - CUSTOMER SERVICE	-	-	-	-	2,951,930	2,997,423	2,997,423	0.00%
8440 ADMIN TRSFR - MATERIALS MGMT	-	-	-	-	394,086	665,158	665,158	0.00%
8440 ADMIN TRSFR - FLEET SVCS	-	-	-	-	31,725	-	-	0.00%
8440 ADMIN TRSFR - TECH SVCS	-	-	-	-	4,801,384	5,992,330	5,992,330	0.00%
8441 TRSFR - NON ADMIN	-	-	-	-	734,802	734,802	734,802	0.00%
<b>INTERFUND TRANSFERS</b>	<b>\$ 9,990,283</b>	<b>\$ 11,583,083</b>	<b>\$ 12,868,863</b>	<b>\$ 12,187,577</b>	<b>\$ 36,462,797</b>	<b>\$ 30,108,928</b>	<b>\$ 17,921,351</b>	<b>147.05%</b>
8500 FIXED ASSETS								
8515 BUILDINGS	-	-	-	-	-	-	-	0.00%
8530 IMPROVEMENTS OTHER THAN BUILDINGS	-	-	-	-	-	-	-	0.00%
8535 MACHINERY & EQUIPMENT	-	-	12,392	735,000	-	-	(735,000)	0.00%
8540 FURNITURE & OFFICE EQUIPMENT	9,915	-	33,444	-	-	-	-	0.00%
8545 COMPUTERS & RELATED EQUIPMENT	-	-	2,478	10,000	-	-	(10,000)	0.00%
8590 COMMUNICATION EQUIPMENT	-	-	-	-	-	-	-	0.00%
<b>FIXED ASSETS</b>	<b>\$ 9,915</b>	<b>\$</b>	<b>48,314</b>	<b>\$ 745,000</b>		<b>\$ -</b>	<b>\$ (745,000)</b>	<b>0.00%</b>
<b>Net (Income)/Loss</b>	<b>\$ 162,150,227</b>	<b>\$ 153,175,995</b>	<b>\$ 170,118,033</b>	<b>\$ 180,903,753</b>	<b>\$ 196,932,914</b>	<b>\$ 207,115,189</b>	<b>\$ 26,211,436</b>	<b>14.49%</b>

FY 2018-19 Vehicles Scheduled for Replacement - SHOW IN 2019 IN CIP							Budgeted in MP Model
Division	EMIS #	Year	Make	Description	Replacement Date	Life	2018-2019
Elec Dist	ED0852	2008	FORD	Truck, 2T UtilityBed 84" CA	10/1/17	10	\$ 80,000
Elec Dist	ED0899	2008	FORD	Truck, 1 1/2T Utility Bed	10/1/17	10	\$ 60,750
Elec Dist	ED0990	2009	PETERBILT	Altec Hybrid Bucket Truck	10/1/19	10	300,000
Elec Dist	ED1032	2010	FORD	Truck, 1 1/2T Utility bed	10/1/20	10	60,000
<b>Distribution</b>							<b>\$ 500,750</b>
Elec Meter	EM1135	2011	CHEVY	1/2 Ton Truck w/Utility Body	10/1/19	10	40,585
<b>Metering</b>							<b>\$ 40,585</b>
<b>Total Vehicle Replacement FY 2018-19</b>							<b>\$ 541,335</b>

**CITY OF DENTON, TEXAS  
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**ADMINISTRATION**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary and Benefits	684,840	730,956	634,000	1,036,715	1,067,817	1,099,851
Capital Labor	(491,276)	-	-	(400,000)	(412,000)	(424,360)
Personal Services Total	193,564	730,956	634,000	636,715	655,817	675,491
	-	-	-	-	-	-
Materials & Supplies	46,867	45,802	41,500	46,900	48,307	49,756
Maintenance & Repair	7,607	76,800	11,800	41,803	43,057	44,349
Insurance	1,874	10,192	10,192	13,295	13,693	14,104
Return on Investment	5,405,518	5,767,985	5,767,985	6,212,593	6,371,292	6,618,001
Franchise Fee	7,717,675	8,239,978	8,239,978	8,875,132	9,101,845	9,454,286
Miscellaneous	99,640	111,600	105,000	95,479	95,479	95,479
Operations	535,342	1,865,879	1,168,550	1,563,074	1,300,966	1,339,995
Debt Service	29,141,890	34,399,150	34,360,369	36,231,226	31,762,003	31,896,451
Debt Defeasance	-	-	-	28,620,000	-	-
Transfer to Vehicle Replacement	3,750	-	-	-	-	-
Transfer to Capital Projects Electric	-	-	-	-	-	-
Transfer to Capital Projects (497)	252,420	-	-	-	-	-
Admin Transfer General Fund	291,242	208,907	281,387	382,764	394,248	406,074
Admin Transfer Utility Administration	161,953	165,502	165,502	165,500	170,465	175,579
Admin Transfer Materials Manageme	443,909	394,086	394,086	665,158	685,113	705,666
Admin Transfer Fleet Services	250	250	-	-	-	-
Admin Transfer Technology Services	1,232,296	733,506	740,876	695,809	716,683	738,184
Transfer to Street Improvement	663,846	696,703	734,802	734,802	756,846	779,551
Fixed Assets	-	-	-	-	-	-
Use of Reserves	-	-	24,000,000	15,916,335	15,186,200	24,443,866
<b>TOTAL EXPENDITURES</b>	<b>\$ 46,199,643</b>	<b>\$ 53,447,296</b>	<b>\$ 76,656,027</b>	<b>\$ 100,896,585</b>	<b>\$ 67,302,014</b>	<b>\$ 77,436,833</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 BUDGET</b>	<b>2017-18 PROPOSED</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>11.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>	<b>9.00</b>

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**CITY OF DENTON, TEXAS  
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**POWER SUPPLY ADMINISTRATION**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	379,815	446,040	135,000	203,116	209,210	215,486
Capital Labor	-	-	-	-	-	-
Personal Services	379,815	446,040	135,000	203,116	209,210	215,486
	-	-	-	-	-	-
Materials & Supplies	5,083	87,150	14,654	15,250	15,708	16,179
Maintenance & Repair	36	3,000	500	2,000	2,060	2,122
Insurance	254	2,488	2,488	1,135	1,169	1,204
Miscellaneous	152,154	100,218	-	116	116	116
Operation	149,127	809,780	209,920	296,400	305,292	314,451
Transfer Vehicle Replacement	7,875	7,875	7,875	11,276	11,614	11,963
Transfer Capital Projects (497)	-	-	-	-	-	-
Admin Transfer General Fund	165,006	118,437	118,437	102,251	105,319	108,478
Admin Transfer Utility Administration	234,853	240,000	-	-	-	-
Admin Transfer Fleet Services	500	500	450	-	-	-
Admin Transfer Tech Services	184,082	158,945	158,945	133,560	137,567	141,694
Fixed Assets	-	300,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,278,786</b>	<b>\$ 2,274,433</b>	<b>\$ 648,269</b>	<b>\$ 765,104</b>	<b>\$ 788,054</b>	<b>\$ 811,692</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>2.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

**CITY OF DENTON, TEXAS  
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**ENERGY MANAGEMENT**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	2,037,744	2,799,121	2,400,000	2,821,383	2,906,025	2,993,205
Capital Labor	-	-	-	-	-	-
Personal Services	2,037,744	2,799,121	2,400,000	2,821,383	2,906,025	2,993,205
	-	-	-	-	-	-
Materials & Supplies	10,854	136,500	24,500	14,700	15,141	15,595
Maintenance & Repair	5,324	3,700	4,500	7,500	7,725	7,957
Insurance	1,775	12,439	12,439	19,294	19,872	20,469
Miscellaneous	1,187	1,500	1,500	1,500	1,500	1,500
Operation	795,093	1,326,867	826,000	1,237,512	1,274,637	1,312,876
Transfer Vehicle Replacement	-	-	-	-	-	-
Transfer Capital Projects (497)	-	-	-	-	-	-
Admin Transfer General Fund	191,427	235,773	235,773	233,555	240,561	247,778
Admin Transfer Fleet Services	-	-	-	-	-	-
Admin Transfer Tech Services	146,220	235,896	235,896	355,908	366,585	377,583
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 3,189,623</b>	<b>\$ 4,751,796</b>	<b>\$ 3,740,608</b>	<b>\$ 4,691,351</b>	<b>\$ 4,832,047</b>	<b>\$ 4,976,963</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	15.00	17.00	17.00	17.00	17.00	17.00

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**ENERGY SERVICES**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	809,739	709,248	624,633	701,642	722,691	744,372
Capital Labor	-	-	-	-	-	-
Personal Services	809,739	709,248	624,633	701,642	722,691	744,372
	-	-	-	-	-	-
Materials & Supplies	12,010	27,200	26,950	22,250	22,918	23,605
Maintenance & Repair	2,953	2,200	2,200	8,200	8,446	8,699
Insurance	634	5,804	5,804	6,810	7,014	7,224
Miscellaneous	172,862	1,040,800	540,600	540,500	540,500	540,500
Operation	17,663	451,750	333,625	221,650	228,300	235,148
Transfer to Vehicle Replacement	-	-	-	-	-	-
Transfer to Capital Projects (497)	-	-	-	-	-	-
Admin Transfer General Fund	43,724	134,361	134,361	126,392	130,184	134,090
Admin Transfer Utility Administration	-	-	315,172	290,000	290,000	290,000
Admin Transfer Fleet Services	-	-	-	-	-	-
Admin Transfer Tech Services	73,691	131,750	131,750	111,756	115,109	118,562
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,133,275</b>	<b>\$ 2,503,113</b>	<b>\$ 2,115,095</b>	<b>\$ 2,029,199</b>	<b>\$ 2,065,160</b>	<b>\$ 2,102,200</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 BUDGET</b>	<b>2017-18 PROPOSED</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>5.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>

**CITY OF DENTON, TEXAS**  
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**REGULATORY & RISK**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	540,781	471,342	620,000	648,810	668,274	688,322
Capital Labor	(56,589)	(70,000)	(70,000)	(70,000)	(72,100)	(74,263)
Personal Services	484,192	401,342	550,000	578,810	596,174	614,059
	-	-	-	-	-	-
Materials & Supplies	6,495	28,000	19,500	8,950	9,219	9,495
Maintenance & Repair	47,983	170,000	30,000	50,000	51,500	53,045
Insurance	507	132,067	3,317	4,540	4,676	4,816
Miscellaneous	461	650	500	500	500	500
Operations	150,251	380,000	206,000	289,000	297,670	306,600
Transfer Vehicle Replacement	-	-	-	-	-	-
Transfer Capital Projects (497)	120,000	-	-	-	-	-
Admin Transfer General Fund	71,785	70,086	70,086	67,685	69,715	71,807
Admin Transfer Utility Admin	-	-	-	-	-	-
Admin Transfer Fleet Services	-	-	-	-	-	-
Admin Transfer Tech Services	32,143	67,877	67,877	83,593	86,101	88,684
Fixed Assets	19,754	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 933,572</b>	<b>\$ 1,250,022</b>	<b>\$ 947,280</b>	<b>\$ 1,083,077</b>	<b>\$ 1,115,554</b>	<b>\$ 1,149,006</b>
<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 BUDGET</b>	<b>2017-18 PROPOSED</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>

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**CITY OF DENTON, TEXAS**  
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**WHOLESALE POWER**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE *</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ 88,843,096	\$ 77,268,736	\$ 76,561,342	\$ 45,847,933	\$ 40,928,547	\$ 38,468,748
Transmission of Power	4,217,800	5,578,948	5,578,948	12,500,000	13,000,000	13,500,000
Personal Services	-	-	-	-	-	-
Materials & Supplies	-	-	-	-	-	-
Maintenance & Repair	-	-	-	-	-	-
Insurance	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Operation	-	-	-	-	-	-
General Fund Admin. Transfer	-	-	-	-	-	-
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 93,060,897</b>	<b>\$ 82,847,684</b>	<b>\$ 82,140,290</b>	<b>\$ 58,347,933</b>	<b>\$ 53,928,547</b>	<b>\$ 51,968,748</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE *</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
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**CITY OF DENTON, TEXAS  
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**DENTON ENERGY CENTER**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL*</b>	<b>2017-18 BUDGET*</b>	<b>2017-18 ESTIMATE*</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ 1,700,000	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	23,243	1,723,947	1,723,960	1,866,872	1,922,878	1,980,564
Capital Labor	(23,243)	(1,292,960)	(1,292,960)	-	-	-
Personal Services	-	430,987	431,000	1,866,872	1,922,878	1,980,564
	-	-	-	-	-	-
Materials & Supplies	-	318,300	309,750	138,694	142,855	147,140
Maintenance & Repair	-	240,000	250,000	258,500	266,255	274,243
Insurance	-	216,680	216,680	353,351	363,951	374,870
Miscellaneous	-	-	-	1,984	1,984	1,984
Operation	-	458,700	457,000	818,150	842,695	867,975
Debt Service	-	-	-	4,452,083	17,690,547	17,673,246
Transfer Vehicle Replacement	-	-	-	-	-	-
Transfer Capital Projects (497)	-	-	15,000	15,000	15,000	15,000
Admin Transfer General Fund	-	-	-	-	-	-
Admin Transfer Fleet Services	-	-	-	-	-	-
Admin Transfer Tech Services	-	-	-	-	-	-
Fixed Assets	-	15,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ -</b>	<b>\$ 3,379,667</b>	<b>\$ 1,679,430</b>	<b>\$ 7,904,633</b>	<b>\$ 21,246,164</b>	<b>\$ 21,335,022</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL*</b>	<b>2017-18 BUDGET*</b>	<b>2017-18 ESTIMATE*</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>1.00</b>	<b>12.00</b>	<b>12.00</b>	<b>14.00</b>	<b>14.00</b>	<b>14.00</b>

\* Labor costs will be capitalized during construction of Power Plant

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**CITY OF DENTON, TEXAS  
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**OPERATIONS & MAINTENANCE**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	3,183,638	3,578,245	3,563,393	3,852,061	3,967,623	4,086,651
Capital Labor	(1,059,703)	(638,393)	(379,252)	(412,713)	(425,094)	(437,847)
Personal Services	2,123,934	2,939,852	3,184,141	3,439,348	3,542,528	3,648,804
	-	-	-	-	-	-
Materials & Supplies	132,035	162,130	155,000	171,880	177,036	182,347
Maintenance & Repair	234,876	256,100	255,000	287,500	296,125	305,009
Insurance	5,304	35,931	35,931	44,687	46,027	47,408
Miscellaneous	2,507	2,510	2,500	2,510	2,510	2,510
Operation	822,039	908,944	889,575	1,121,444	1,155,087	1,189,740
Transfer Electric	315,389	-	-	-	-	-
Transfer Vehicle Replacement	277,898	330,277	330,277	427,669	440,499	453,714
Transfer Capital Projects (497)	8,600	-	20,000	20,000	20,000	20,000
Admin Transfer General Fund	239,545	252,239	252,239	268,741	276,803	285,107
Admin Transfer Fleet Services	6,750	6,250	5,625	-	-	-
Admin Transfer Tech Services	160,810	235,009	235,009	327,429	337,252	347,369
Fixed Assets	2,478	320,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 4,332,165</b>	<b>\$ 5,449,242</b>	<b>\$ 5,365,297</b>	<b>\$ 6,111,207</b>	<b>\$ 6,293,868</b>	<b>\$ 6,482,009</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>

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**CITY OF DENTON, TEXAS**  
**ANNUAL PROGRAM OF SERVICES**

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**SYSTEM OPERATIONS**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	2,526,903	2,982,351	2,980,000	3,064,085	3,156,008	3,250,688
Capital Labor	-	-	-	-	-	-
Personal Services	2,526,903	2,982,351	2,980,000	3,064,085	3,156,008	3,250,688
	-	-	-	-	-	-
Materials & Supplies	18,773	25,300	25,000	18,900	19,467	20,051
Maintenance & Repair	18,877	99,000	97,000	64,400	66,332	68,322
Insurance	10,543	51,868	51,868	26,204	26,990	27,800
Miscellaneous	2,203	2,450	2,500	2,450	2,450	2,450
Operation	221,612	362,337	330,000	250,308	257,817	265,552
Transfer Vehicle Replacement	8,400	8,400	8,400	11,000	11,330	11,670
Transfer Capital Projects (497)	-	-	10,000	10,000	10,000	10,000
Admin Transfer General Fund	208,705	192,055	192,055	206,078	212,260	218,628
Admin Transfer Fleet Services	750	750	750	-	-	-
Admin Transfer Tech Services	380,962	442,796	442,796	634,988	654,038	673,659
Fixed Assets	13,690	10,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 3,411,419</b>	<b>\$ 4,177,307</b>	<b>\$ 4,140,369</b>	<b>\$ 4,288,413</b>	<b>\$ 4,416,692</b>	<b>\$ 4,548,820</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 BUDGET</b>	<b>2017-18 PROPOSED</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>22.00</b>	<b>22.00</b>	<b>22.00</b>	<b>22.00</b>	<b>22.00</b>	<b>22.00</b>

**CITY OF DENTON, TEXAS  
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**DISTRIBUTION**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	2,960,439	4,592,633	4,592,633	4,373,580	4,504,787	4,639,931
Capital Labor	(2,053,634)	(3,030,090)	(3,030,090)	(1,797,709)	(1,851,640)	(1,907,189)
Personal Services	906,805	1,562,543	1,562,543	2,575,871	2,653,147	2,732,741
	-	-	-	-	-	-
Materials & Supplies	204,867	283,500	244,000	271,950	280,109	288,512
Maintenance & Repair	22,656	87,300	54,600	85,800	88,374	91,025
Insurance	6,959	44,523	44,523	56,536	58,232	59,979
Miscellaneous	3,822	3,400	3,400	3,720	3,720	3,720
Operation	94,451	454,274	447,415	371,662	382,812	394,296
Transfer Vehicle Replacement	376,795	367,146	367,146	457,514	471,239	485,377
Transfer to Capital Projects - Electric	106,267	-	-	-	-	-
Transfer to Capital Projects (497)	-	-	15,000	15,000	15,000	15,000
Admin Transfer General Fund	159,185	146,931	146,931	157,658	162,388	167,260
Admin Transfer Fleet Services	15,250	14,750	12,650	-	-	-
Admin Transfer Tech Services	123,693	217,525	217,525	273,517	281,723	290,174
Fixed Assets	-	15,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 2,020,750</b>	<b>\$ 3,196,892</b>	<b>\$ 3,115,733</b>	<b>\$ 4,269,228</b>	<b>\$ 4,396,743</b>	<b>\$ 4,528,084</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>33.00</b>	<b>33.00</b>	<b>33.00</b>	<b>30.00</b>	<b>30.00</b>	<b>30.00</b>

**CITY OF DENTON, TEXAS  
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**SUBSTATIONS**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	1,105,292	1,496,862	1,496,000	1,754,857	1,807,502	1,861,727
Capital Labor	(434,724)	(448,000)	(448,000)	(139,000)	(143,170)	(147,465)
Personal Services	670,567	1,048,862	1,048,000	1,615,857	1,664,332	1,714,262
	-	-	-	-	-	-
Materials & Supplies	37,901	50,000	49,250	52,500	54,075	55,697
Maintenance & Repair	197,147	332,800	225,800	331,200	341,136	351,370
Insurance	2,877	19,555	19,555	24,175	24,900	25,647
Miscellaneous	1,054	1,055	1,055	1,055	1,055	1,055
Operation	25,084	156,971	74,768	80,468	82,882	85,369
Transfer to Solid Waste	5,307	-	-	-	-	-
Transfer to Vehicle Replacement	53,314	48,116	48,116	83,903	86,420	89,013
Transfer to Capital Project (497)	-	-	30,000	30,000	30,000	30,000
Admin Transfer General Fund	109,137	89,362	89,362	95,437	98,300	101,249
Admin Transfer Fleet Services	4,500	3,750	3,375	-	-	-
Admin Transfer Tech Services	118,767	154,636	154,636	1,595,698	1,643,569	1,692,876
Fixed Assets	-	30,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,225,656</b>	<b>\$ 1,935,107</b>	<b>\$ 1,743,917</b>	<b>\$ 3,910,292</b>	<b>\$ 4,026,669</b>	<b>\$ 4,146,538</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>	<b>12.00</b>

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**CITY OF DENTON, TEXAS  
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**GENERAL OPERATIONS ADMINISTRATION**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	435,533	582,561	575,000	778,873	802,239	826,307
Capital Labor	(235,667)	-	-	(200,000)	(206,000)	(212,180)
Personal Services	199,866	582,561	575,000	578,873	596,239	614,127
	-	-	-	-	-	-
Materials & Supplies	55,643	82,600	56,600	70,600	72,718	74,900
Maintenance & Repair	56,692	49,000	26,000	55,000	56,650	58,350
Insurance	7,775	1,676	1,676	3,405	3,507	3,612
Miscellaneous	226	230	350	230	230	230
Operation	82,755	224,360	111,500	151,795	156,349	161,039
Transfer Capital Projects (497)	608	-	-	-	-	-
Transfer Vehicle Replacement	-	-	-	-	-	-
Admin Transfer General Fund	49,138	39,402	39,402	50,385	51,896	53,453
Admin Transfer Fleet Services	-	-	-	-	-	-
Admin Transfer Tech Services	46,438	33,814	33,814	47,012	48,422	49,875
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 499,142</b>	<b>\$ 1,013,643</b>	<b>\$ 844,342</b>	<b>\$ 957,300</b>	<b>\$ 986,012</b>	<b>\$ 1,015,585</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>2.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>

**CITY OF DENTON, TEXAS  
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**ENGINEERING**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	2,183,395	2,531,664	3,068,036	2,384,016	2,455,536	2,529,202
Capital Labor	(550,405)	(1,868,036)	(1,868,036)	(1,114,896)	(1,148,343)	(1,182,793)
Personal Services	1,632,990	663,628	1,200,000	1,269,120	1,307,193	1,346,409
	-	-	-	-	-	-
Materials & Supplies	70,935	204,000	77,575	107,550	110,777	114,100
Maintenance & Repair	138,712	384,280	390,600	527,600	543,428	559,731
Insurance	3,616	22,389	22,389	19,294	19,872	20,469
Miscellaneous	2,210	2,500	1,800	2,500	2,500	2,500
Operation	589,795	2,109,810	521,100	1,174,001	1,209,221	1,245,498
Admin Transfer General Fund	266,358	249,297	249,297	251,165	258,700	266,461
Transfer to Capital Project	34,573	-	-	-	-	-
Transfer to Capital Project (497)	923,050	-	-	-	-	-
Transfer to Vehicle Replacement	10,165	10,165	10,165	10,165	10,470	10,784
Admin Transfers - Fleet Services	1,000	1,000	1,000	-	-	-
Admin Transfers - Tech Services	444,263	1,458,864	1,458,864	961,100	989,933	1,019,631
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 4,117,666</b>	<b>\$ 5,105,933</b>	<b>\$ 3,932,790</b>	<b>\$ 4,322,495</b>	<b>\$ 4,452,094</b>	<b>\$ 4,585,582</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>27.00</b>	<b>17.00</b>	<b>17.00</b>	<b>17.00</b>	<b>17.00</b>	<b>17.00</b>

Note: In the Proposed and all Projected Budgets there is \$500,000 added for removal and retirement of old substations.

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**CITY OF DENTON, TEXAS**  
**ANNUAL PROGRAM OF SERVICES**

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**METERING**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	2,345,377	2,560,833	2,540,451	2,526,932	2,602,740	2,680,823
Capital Labor	(19,438)	(140,451)	(140,451)	(70,241)	(72,348)	(74,519)
Personal Services	2,325,939	2,420,382	2,400,000	2,456,691	2,530,392	2,606,304
	-	-	-	-	-	-
Materials & Supplies	49,644	86,901	70,301	66,551	68,548	70,604
Maintenance & Repair	33,364	93,052	21,000	50,300	51,809	53,363
Insurance	5,069	30,859	30,859	35,700	36,771	37,874
Miscellaneous	2,671	2,700	2,700	2,700	2,700	2,700
Operation	130,001	132,334	124,433	138,825	142,990	147,279
Admin Transfer General Fund	194,695	169,714	169,714	180,019	185,420	190,982
Transfer to Capital Projects Electric	57	-	-	-	-	-
Transfer to Capital Projects (497)	-	-	-	10,000	10,000	10,000
Transfer to Vehicle Replacement	70,895	69,908	69,908	82,855	85,341	87,901
Admin Transfer Fleet Services	5,250	5,250	4,725	-	-	-
Admin Transfer Tech Services	703,273	599,995	599,995	659,010	678,780	699,144
Fixed Assets	-	40,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 3,520,858</b>	<b>\$ 3,651,095</b>	<b>\$ 3,493,635</b>	<b>\$ 3,682,652</b>	<b>\$ 3,792,750</b>	<b>\$ 3,906,152</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 PROPOSED</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>24.00</b>	<b>24.00</b>	<b>24.00</b>	<b>24.00</b>	<b>24.00</b>	<b>24.00</b>



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**CITY OF DENTON, TEXAS  
ANNUAL PROGRAM OF SERVICES**

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**CUSTOMER ACCOUNTS**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Personal Services	-	-	-	-	-	-
Materials & Supplies	-	-	-	-	-	-
Production Power	-	-	-	-	-	-
Maintenance & Repair	-	-	-	-	-	-
Insurance	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Operation	551,865	449,991	1,045,515	406,889	419,096	431,669
AdminTransfer Customer Service	2,722,410	2,970,556	2,951,930	2,997,423	3,087,346	3,179,966
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 3,274,276</b>	<b>\$ 3,420,547</b>	<b>\$ 3,997,445</b>	<b>\$ 3,404,312</b>	<b>\$ 3,506,441</b>	<b>\$ 3,611,635</b>

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**COMMUNICATIONS**

<b>EXPENDITURES SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Personal Services	614,725	975,498	932,000	-	-	-
Materials & Supplies	169,208	172,300	145,300	-	-	-
Maintenance & Repair	32,074	42,700	23,200	-	-	-
Insurance	2,197	30,876	30,876	-	-	-
Miscellaneous	1,078	7,600	7,600	-	-	-
Operations	179,928	211,592	175,300	-	-	-
Transfer to General Fund Admin	88,839	82,623	82,623	-	-	-
Transfer to Capital Projects	7,724	-	-	-	-	-
Transfer to Capital Projects (497)	-	-	15,000	-	-	-
Transfer to Vehicles Replacement	19,639	15,129	15,129	-	-	-
Transfer to Fleet Services	2,250	2,500	2,250	-	-	-
Transfer to Tech Services	167,086	242,413	242,413	-	-	-
Fixed Assets	12,392	15,000	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 1,297,139</b>	<b>\$ 1,798,231</b>	<b>\$ 1,671,691</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 BUDGET</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>	<b>-</b>	<b>-</b>	<b>-</b>

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**CITY OF DENTON, TEXAS**  
**ANNUAL PROGRAM OF SERVICES**

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**SAFETY & TRAINING**

<b>EXPENDITURE SUMMARY</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
Purchased Power & Fuel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Salary & Benefits	483,030	495,444	495,000	249,852	257,348	265,068
Capital Labor	(24,070)	-	-	-	-	-
Personal Services Total	458,960	495,444	495,000	249,852	257,348	265,068
	-	-	-	-	-	-
Material & Supplies	5,113	8,851	8,800	4,120	4,244	4,371
Maintenance & Repair	2,400	2,400	2,400	1,800	1,854	1,910
Insurance	649	4,295	4,295	3,367	3,468	3,572
Miscellaneous	4,382	5,000	4,800	5,500	5,500	5,500
Operations	41,504	59,251	59,000	32,950	33,939	34,957
Transfer Vehicle Replacement	12,250	12,250	12,250	6,250	6,438	6,631
Transfer Capital Projects (497)	-	-	-	-	-	-
Admin Transfer General Fund	38,315	32,263	32,263	34,618	35,657	36,726
Admin Transfer Fleet Services	1,000	1,000	900	-	-	-
Admin Transfer Tech Services	58,591	80,988	80,988	112,950	116,339	119,829
Fixed Assets	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 623,165</b>	<b>\$ 701,742</b>	<b>\$ 700,696</b>	<b>\$ 451,408</b>	<b>\$ 464,785</b>	<b>\$ 478,564</b>

<b>PERSONNEL (Full Time Equivalents)</b>	<b>2016-17 ACTUAL</b>	<b>2017-18 BUDGET</b>	<b>2017-18 ESTIMATE</b>	<b>2018-19 PROPOSED</b>	<b>2019-20 PROJECTED</b>	<b>2020-21 PROJECTED</b>
<b>TOTAL PERSONNEL</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>

**2019-2023 Capital Improvements Plan  
Cash Requirements - Electric**

Group	Assignment Categories	2019	2020	2021	2022	2023	Total
001	AUTOMATED METER READING	\$ 930,000	\$ 929,950	\$ 968,108	\$ 916,484	\$ 958,110	\$ 4,702,652
003	BUILDING CONSTRUCTION	1,000,000					1,000,000
007	COMMUNICATIONS EQUIPMENT	335,000	335,000	335,000	335,000	335,000	1,675,000
013	DISTRIBUTION SUBSTATIONS	2,530,000	2,400,000	1,153,000	2,320,000	6,860,000	15,263,000
014	DISTRIBUTION TRANSFORMERS	1,260,000	1,266,300	1,272,632	1,278,996	1,285,390	6,363,318
019	FEEDER EXTENSIONS & IMPROVEMENTS	4,250,000	4,462,500	4,685,626	4,919,905	5,165,903	23,483,934
025	NEW RESIDENTIAL & COMMERCIAL	2,800,000	2,940,000	3,087,000	3,241,350	3,403,418	15,471,768
028	OVER TO UNDER CONVERSIONS	500,000	500,000	500,000	500,000	500,000	2,500,000
032	POWER FACTOR IMPROVEMENT	40,000	40,000	40,000	40,000	40,000	200,000
040	STREET LIGHTING	1,700,000	1,710,000	220,500	231,525	243,100	4,105,125
043	TOOLS & EQUIPMENT	30,000	30,000	30,000	30,000	30,000	150,000
050	VEHICLES	541,335	572,450	2,102,000	1,610,275	2,029,500	6,855,560
	DISTRIBUTION TOTAL	\$ 15,916,335	\$ 15,186,200	\$ 14,393,866	\$ 15,423,535	\$ 20,850,421	\$ 81,770,357
045	TRANSMISSION LINES	100,000	6,870,000	6,925,000	10,070,000	15,660,000	39,625,000
046	TRANSMISSION SUBSTATION	7,490,000	5,879,000	12,140,000	18,328,000	4,490,000	48,327,000
	TRANSMISSION TOTAL	\$ 7,590,000	\$ 12,749,000	\$ 19,065,000	\$ 28,398,000	\$ 20,150,000	\$ 87,952,000
<b>Grand Totals</b>		<b>\$ 23,506,335</b>	<b>\$ 27,935,200</b>	<b>\$ 33,458,866</b>	<b>\$ 43,821,535</b>	<b>\$ 41,000,421</b>	<b>\$ 169,722,357</b>
	Aid in Construction	456,949	480,000	503,264	527,997	553,763	2,521,973
	C.O.	7,590,000	12,749,000	9,015,000	11,991,000	18,040,000	59,385,000
	Revenue	15,459,386	14,706,200	23,940,602	31,302,538	22,406,658	107,815,384
	Utility Bonds	-	-	-	-	-	-
<b>Grand Totals</b>		<b>\$ 23,506,335</b>	<b>\$ 27,935,200</b>	<b>\$ 33,458,866</b>	<b>\$ 43,821,535</b>	<b>\$ 41,000,421</b>	<b>\$ 169,722,357</b>

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2019	600001	G	014-DISTRIBUTION TRANSFORMERS	New Installation and Upgrade of Transformers	R	\$ 208,276	
				<b>Total Administration</b>			<b>\$ 208,276</b>
2019	600200	G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	\$ 372,534	
		I	019-FEEDER EXTENSIONS & IMPROVE	New Poles	R	161,462	
		R	019-FEEDER EXTENSIONS & IMPROVE	UG Conduit Replacement	R	83,339	
		R	019-FEEDER EXTENSIONS & IMPROVE	Underground Conductors	R	145,845	
		R	032-POWER FACTOR IMPROVEMENT	OH Conductor and Capacitor Controller Replacement	R	16,393	
		R	040-STREET LIGHTING	Security Light Replacement	R	8,736	
		R	040-STREET LIGHTING	Street Light Replacement	R	55,819	
		R	040-STREET LIGHTING	Street Light Conversion to LED Program	R	1,500,000	
		G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Operations &amp; Maintenance</b>			<b>\$ 2,349,128</b>
2019	600202	G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	\$ 5,000	
				<b>Total System Operations</b>			<b>\$ 5,000</b>
2019	600300	G	019-FEEDER EXTENSIONS & IMPROVE	Feeders Extensions and Improvements	R	\$ 3,859,354	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Residential & Commercial Development	R	2,024,682	
		G	014-DISTRIBUTION TRANSFORMERS	Transformer and Equipment	R	1,051,724	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	402,784	
		G	032-POWER FACTOR IMPROVEMENT	Power Factor Improvements	R	23,607	
		G	040-STREET LIGHTING	Street Lighting	R	135,445	
		I	028-OVER TO UNDER CONVERSIONS	Overhead to Underground Conversions	R	500,000	
		I	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	500,750	
				<b>Total Distribution</b>			<b>\$ 8,503,346</b>
2019	600400	I	046-TRANSMISSION SUBSTATION	Fort Worth Substation (Transmission)	CO	\$ 20,000	
		R	046-TRANSMISSION SUBSTATION	Locust Substation (Transmission)	CO	165,000	
		I	046-TRANSMISSION SUBSTATION	Masch Branch Substation (Transmission)	CO	185,000	
		R	046-TRANSMISSION SUBSTATION	Hickory Substation (Transmission)	CO	6,000,000	
		R	046-TRANSMISSION SUBSTATION	Denton North Interchange (Transmission)	CO	360,000	

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2019	600400	G	046-TRANSMISSION SUBSTATION	Underwood Substation (Transmission)	CO	470,000	
		I	046-TRANSMISSION SUBSTATION	Ethernet Security Gateway Relays Multi-Station	CO	150,000	
		G	045-TRANSMISSION LINES	Pockrus to Mayhill TM Line Phase 1	CO	100,000	
		R	013-DISTRIBUTION SUBSTATIONS	Locust Substation (Distribution)	R	45,000	
		R	013-DISTRIBUTION SUBSTATIONS	Hickory Substation (Distribution)	R	2,115,000	
		G	013-DISTRIBUTION SUBSTATIONS	Underwood Substation (Distribution)	R	330,000	
		I	013-DISTRIBUTION SUBSTATIONS	RD Wells Interchange (Distribution)	R	20,000	
		T	013-DISTRIBUTION SUBSTATIONS	RTU Upgrades (Distribution)	R	20,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Substations</b>			<b>\$ 9,985,000</b>
2019	600600	G	001-AUTOMATED METER READING	Three Phase Meters	R	\$ 367,615	
		G	001-AUTOMATED METER READING	Single Phase Meters Maintenance & Growth	R	420,675	
		G	001-AUTOMATED METER READING	Instrument Rated Equipment	R	52,272	
		G	001-AUTOMATED METER READING	AMI & WAN Equipment	R	48,089	
		T	001-AUTOMATED METER READING	Prepayment Meter System	R	41,349	
		G	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	40,585	
				<b>Total Metering</b>			<b>\$ 975,585</b>
2019	600800	G	003-BUILDING CONSTRUCTION	Renovate Communications Area	R	\$ 1,000,000	
		G	007-COMMUNICATIONS EQUIPMENT	Misc. Fiber Optic Projects	R	335,000	
		T	046-TRANSMISSION SUBSTATION	Substation Security (Transmission Cost)	CO	140,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Communications</b>			<b>\$ 1,480,000</b>
				<b>2019 Total</b>			<b>\$ 23,506,335</b>

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2020	600001	G	014-DISTRIBUTION TRANSFORMERS	New Installation and Upgrade of Transformers	R	\$ 214,534	
				<b>Total Administration</b>			<b>\$ 214,534</b>
2020	600200	G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	\$ 400,000	
		I	019-FEEDER EXTENSIONS & IMPROVE	New Poles	R	153,250	
		G	019-FEEDER EXTENSIONS & IMPROVE	UG Conduit Replacement	R	85,648	
		G	019-FEEDER EXTENSIONS & IMPROVE	Underground Conductors	R	141,034	
		G	032-POWER FACTOR IMPROVEMENT	OH Conductor and Capacitor Controller Replacement	R	26,368	
		G	040-STREET LIGHTING	Security Light Replacement	R	9,375	
		G	040-STREET LIGHTING	Street Light Replacement	R	58,594	
		R	040-STREET LIGHTING	Street Light Conversion to LED Program	R	1,500,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	112,300	
				<b>Total Operations &amp; Maintenance</b>			<b>\$ 2,491,569</b>
2020	600202	G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	\$ 5,000	
				<b>Total System Operations</b>			<b>\$ 5,000</b>
2020	600300	G	014-DISTRIBUTION TRANSFORMERS	Transformer and Equipment	R	\$ 1,051,766	
		G	019-FEEDER EXTENSIONS & IMPROVE	Feeders Extensions and Improvements	R	4,082,568	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Residential & Commercial Development	R	2,118,571	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	421,429	
		G	032-POWER FACTOR IMPROVEMENT	Power Factor Improvements	R	13,632	
		G	040-STREET LIGHTING	Street Lighting	R	142,031	
		I	028-OVER TO UNDER CONVERSIONS	Overhead to Underground Conversions	R	500,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	270,000	
				<b>Total Distribution</b>			<b>\$ 8,604,997</b>
2020	600400	G	046-TRANSMISSION SUBSTATION	Hickory Substation (Transmission)	CO	\$ 4,700,000	
		I	046-TRANSMISSION SUBSTATION	Bonnie Brae Substation (Transmission)	CO	625,000	
		I	046-TRANSMISSION SUBSTATION	Spencer Interchange 69kV Reconstruction	CO	180,000	
		G	046-TRANSMISSION SUBSTATION	Brinker Substation(Transmission)	CO	84,000	

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2020	600400	I	046-TRANSMISSION SUBSTATION	Ethernet Security Gateway Relays Multi-Station	CO	150,000	
		G	045-TRANSMISSION LINES	Hickory Substation Transmission Line Upgrades	CO	4,350,000	
		G	045-TRANSMISSION LINES	Spencer Interchange to Spencer Switch 69kV TM Line	CO	290,000	
		G	045-TRANSMISSION LINES	Arco - Cooper Creek TM Line Reconstruction	CO	2,230,000	
		G	013-DISTRIBUTION SUBSTATIONS	Hickory Substation (Distribution)	R	2,380,000	
		T	013-DISTRIBUTION SUBSTATIONS	RTU Upgrades (Distribution)	R	20,000	
		G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	78,150	
				<b>Total Substations</b>			<b>\$ 15,092,150</b>
2020	600500	R	050-VEHICLES	Vehicles	R	\$ 35,000	
				<b>Total Engineering</b>			<b>\$ 35,000</b>
2020	600600	G	001-AUTOMATED METER READING	Three Phase Meters	R	\$ 373,875	
		G	001-AUTOMATED METER READING	Single Phase Meters Maintenance & Growth	R	413,836	
		G	001-AUTOMATED METER READING	Instrument Rated Equipment	R	53,162	
		G	001-AUTOMATED METER READING	AMI & WAN Equipment	R	47,025	
		T	001-AUTOMATED METER READING	Prepayment Meter System	R	42,052	
		R	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	77,000	
				<b>Total Metering</b>			<b>\$ 1,011,950</b>
2020	600800	G	007-COMMUNICATIONS EQUIPMENT	Misc. Fiber Optic Projects	R	\$ 335,000	
		T	046-TRANSMISSION SUBSTATION	Substation Security (Transmission Cost)	CO	140,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Communications</b>			<b>\$ 480,000</b>
				<b>2020 Total</b>			<b>\$ 27,935,200</b>



### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2021	600001	G	014-DISTRIBUTION TRANSFORMERS	New Installation and Upgrade of Transformers	R	\$ 220,951	
				<b>Total Administration</b>			<b>\$ 220,951</b>
2021	600200	I	019-FEEDER EXTENSIONS & IMPROVE	New Poles	R	\$ 166,195	
		G	019-FEEDER EXTENSIONS & IMPROVE	UG Conduit Replacement	R	95,309	
		G	019-FEEDER EXTENSIONS & IMPROVE	Underground Conductors	R	150,112	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	408,826	
		G	032-POWER FACTOR IMPROVEMENT	OH Conductor and Capacitor Controller Replacement	R	26,266	
		G	040-STREET LIGHTING	Security Light Replacement	R	10,768	
		G	040-STREET LIGHTING	Street Light Replacement	R	60,860	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	37,300	
				<b>Total Operations &amp; Maintenance</b>			<b>\$ 960,636</b>
2021	600202	I	013-DISTRIBUTION SUBSTATIONS	SCADA Equipment & Upgrade	R	\$ 83,000	
		G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	77,500	
				<b>Total System Operations</b>			<b>\$ 165,500</b>
2021	600300	G	014-DISTRIBUTION TRANSFORMERS	Transformer and Equipment	R	\$ 1,051,681	
		G	019-FEEDER EXTENSIONS & IMPROVE	Feeders Extensions and Improvements	R	4,274,010	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Residential & Commercial Development	R	2,233,485	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	444,689	
		G	032-POWER FACTOR IMPROVEMENT	Power Factor Improvements	R	13,734	
		G	040-STREET LIGHTING	Street Lighting	R	148,872	
		I	028-OVER TO UNDER CONVERSIONS	Overhead to Underground Conversions	R	500,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	1,756,700	
				<b>Total Distribution</b>			<b>\$ 10,428,171</b>
2021	600400	G	046-TRANSMISSION SUBSTATION	Hickory Substation (Transmission)	CO	\$ 1,800,000	
		G	046-TRANSMISSION SUBSTATION	Spencer Interchange 69kV Reconstruction	CO	290,000	
		G	046-TRANSMISSION SUBSTATION	Denton West Interchange (Transmission)	CO	380,000	
		G	046-TRANSMISSION SUBSTATION	Brinker Substation(Transmission)	CO	1,800,000	
		G	046-TRANSMISSION SUBSTATION	Eagle Substation (Transmission)	R	7,470,000	
		G	046-TRANSMISSION SUBSTATION	Replace EPS Metering CTs Multi-stations	CO	110,000	
		G	046-TRANSMISSION SUBSTATION	Ethernet Security Gateway Relays Multi-Station	CO	150,000	
		G	045-TRANSMISSION LINES	Hickory Substation Transmission Line Upgrades	CO	3,000,000	
		G	045-TRANSMISSION LINES	Bonnie Brae - North Lakes TM Line	CO	45,000	
		I	045-TRANSMISSION LINES	Convert RD Wells-Hickory TML to 138kV Operation	R	210,000	
		G	045-TRANSMISSION LINES	Woodrow - Brinker TM Line Phase 2	CO	1,300,000	
		G	045-TRANSMISSION LINES	Hickory - Eagle Transmission Line	R	1,200,000	

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2021	600400	I	045-TRANSMISSION LINES	Arco - Cooper Creek TM Line Reconstruction	R	1,170,000	
		G	013-DISTRIBUTION SUBSTATIONS	Hickory Substation (Distribution)	R	600,000	
		G	013-DISTRIBUTION SUBSTATIONS	Brinker Substation (Distribution)	R	50,000	
		T	013-DISTRIBUTION SUBSTATIONS	RTU Upgrades (Distribution)	R	20,000	
		G	013-DISTRIBUTION SUBSTATIONS	SCADA Master Computer Replacement	R	400,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	108,200	
				<b>Total Substations</b>			<b>\$ 20,108,200</b>
2021	600600	G	001-AUTOMATED METER READING	Three Phase Meters	R	\$ 380,238	
		G	001-AUTOMATED METER READING	Single Phase Meters Maintenance & Growth	R	435,118	
		G	001-AUTOMATED METER READING	Instrument Rated Equipment	R	54,067	
		G	001-AUTOMATED METER READING	AMI & WAN Equipment	R	45,985	
		T	001-AUTOMATED METER READING	Prepayment Meter System	R	52,700	
		G	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	122,300	
				<b>Total Metering</b>			<b>\$ 1,095,408</b>
2021	600800	G	007-COMMUNICATIONS EQUIPMENT	Misc. Fiber Optic Projects	R	\$ 335,000	
		T	046-TRANSMISSION SUBSTATION	Substation Security (Transmission Cost)	CO	140,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Communications</b>			<b>\$ 480,000</b>
				<b>2021 Total</b>			<b>\$ 33,458,866</b>

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2022	600001	G	014-DISTRIBUTION TRANSFORMERS	New Installation and Upgrade of Transformers	R	\$ 227,534	
				<b>Total Administration</b>			<b>\$ 227,534</b>
2022	600110	R	050-VEHICLES	Vehicles	R	\$ 41,500	
				<b>Total Safety &amp; Training</b>			<b>\$ 41,500</b>
2022	600200	I	019-FEEDER EXTENSIONS & IMPROVE	New Poles	R	\$ 177,895	
		R	019-FEEDER EXTENSIONS & IMPROVE	UG Conduit Replacement	R	105,007	
		R	019-FEEDER EXTENSIONS & IMPROVE	Underground Conductors	R	158,746	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	417,681	
		R	032-POWER FACTOR IMPROVEMENT	OH Conductor and Capacitor Controller Replacement	R	26,230	
		R	040-STREET LIGHTING	Security Light Replacement	R	12,189	
		R	040-STREET LIGHTING	Street Light Replacement	R	63,135	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	396,300	
				<b>Total Operations &amp; Maintenance</b>			<b>\$ 1,362,183</b>
2022	600202	G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	\$ 5,000	
		R	050-VEHICLES	Vehicles	R	36,900	
				<b>Total System Operations</b>			<b>\$ 41,900</b>
2022	600300	G	014-DISTRIBUTION TRANSFORMERS	Transformer and Equipment	R	\$ 1,051,462	
		G	019-FEEDER EXTENSIONS & IMPROVE	Feeders Extensions and Improvements	R	4,478,257	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Residential & Commercial Development	R	2,354,858	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	468,811	
		G	032-POWER FACTOR IMPROVEMENT	Power Factor Improvements	R	13,770	
		G	040-STREET LIGHTING	Street Lighting	R	156,201	
		I	028-OVER TO UNDER CONVERSIONS	Overhead to Underground Conversions	R	500,000	
		G	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	1,002,600	
				<b>Total Distribution</b>			<b>\$ 10,030,959</b>
2022	600400	R	046-TRANSMISSION SUBSTATION	Denton North Interchange (Transmission)	CO	\$ 156,000	
		G	046-TRANSMISSION SUBSTATION	Underwood Substation (Transmission)	R	2,872,000	
		I	046-TRANSMISSION SUBSTATION	Denton West Interchange (Transmission)	CO	425,000	
		G	046-TRANSMISSION SUBSTATION	Brinker Substation(Transmission)	CO	9,810,000	
		G	046-TRANSMISSION SUBSTATION	Eagle Substation (Transmission)		4,555,000	
		I	046-TRANSMISSION SUBSTATION	Replace EPS Metering CTs Multi-stations	CO	110,000	
		I	046-TRANSMISSION SUBSTATION	Install Auxiliary CTs for Xfrmr Differentials	CO	110,000	
		I	046-TRANSMISSION SUBSTATION	Ethernet Security Gateway Relays Multi-Station	CO	150,000	
		R	045-TRANSMISSION LINES	Hickory - Eagle Transmission Line	R	5,500,000	
		R	045-TRANSMISSION LINES	Eagle - Locust TM Line Phase 2	CO	1,090,000	
		G	045-TRANSMISSION LINES	Mayhill - Brinker/SPI TM Line Phase 2	R	980,000	

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2022	600400	I	045-TRANSMISSION LINES	Brinker - Spencer Interchange TM Line	R	1,400,000	
		R	045-TRANSMISSION LINES	Hickory - Bonnie Brae TM Line Upgrade Relocation	R	1,100,000	
		G	013-DISTRIBUTION SUBSTATIONS	Underwood Substation (Distribution)	R	300,000	
		G	013-DISTRIBUTION SUBSTATIONS	Brinker Substation (Distribution)	R	2,000,000	
		T	013-DISTRIBUTION SUBSTATIONS	RTU Upgrades (Distribution)	R	20,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	47,500	
				<b>Total Substations</b>			<b>\$ 30,630,500</b>
2022	600600	G	001-AUTOMATED METER READING	Three Phase Meters	R	\$ 362,825	
		G	001-AUTOMATED METER READING	Single Phase Meters Maintenance & Growth	R	415,193	
		G	001-AUTOMATED METER READING	Instrument Rated Equipment	R	51,591	
		G	001-AUTOMATED METER READING	AMI & WAN Equipment	R	42,193	
		T	001-AUTOMATED METER READING	Prepayment Meter System	R	44,682	
		G	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	85,475	
				<b>Total Metering</b>			<b>\$ 1,006,959</b>
2022	600800	G	007-COMMUNICATIONS EQUIPMENT	Misc. Fiber Optic Projects	R	\$ 335,000	
		T	046-TRANSMISSION SUBSTATION	Substation Security (Transmission Cost)	CO	140,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Communications</b>			<b>\$ 480,000</b>
				<b>2022 Total</b>			<b>\$ 43,821,535</b>

### 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2023	600200	G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	\$ 391,324	
		I	019-FEEDER EXTENSIONS & IMPROVE	New Poles	R	122,695	
		R	019-FEEDER EXTENSIONS & IMPROVE	UG Conduit Replacement	R	74,451	
		R	019-FEEDER EXTENSIONS & IMPROVE	Underground Conductors	R	108,781	
		R	032-POWER FACTOR IMPROVEMENT	OH Conductor and Capacitor Controller Replacement	R	25,976	
		R	040-STREET LIGHTING	Security Light Replacement	R	13,552	
		R	040-STREET LIGHTING	Street Light Replacement	R	65,523	
		G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	872,500	
				<b>Total Operations &amp; Maintenance</b>			<b>\$ 1,679,802</b>
2023	600202	G	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	\$ 5,000	
				<b>Total System Operations</b>			<b>\$ 5,000</b>
2023	600300	G	014-DISTRIBUTION TRANSFORMERS	Transformer and Equipment	R	\$ 1,285,390	
		G	019-FEEDER EXTENSIONS & IMPROVE	Feeders Extensions and Improvements	R	4,859,976	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Residential & Commercial Development	R	2,511,785	
		G	025-NEW RESIDENTIAL&COMMERCIAL	New Secondary Services	R	500,309	
		G	032-POWER FACTOR IMPROVEMENT	Power Factor Improvements	R	14,024	
		G	040-STREET LIGHTING	Street Lighting	R	164,025	
		I	028-OVER TO UNDER CONVERSIONS	Overhead to Underground Conversions	R	500,000	
		I	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	977,200	
				<b>Total Distribution</b>			<b>\$ 10,817,709</b>
2023	600400	G	046-TRANSMISSION SUBSTATION	Underwood Substation (Transmission)	CO	\$ 3,060,000	
		I	046-TRANSMISSION SUBSTATION	Denton West Interchange (Transmission)	R	580,000	
		I	046-TRANSMISSION SUBSTATION	RD Wells Interchange (Transmission)	CO	450,000	
		I	046-TRANSMISSION SUBSTATION	Replace EPS Metering CTs Multi-stations	CO	110,000	
		I	046-TRANSMISSION SUBSTATION	Ethernet Security Gateway Relays Multi-Station	CO	150,000	
		G	045-TRANSMISSION LINES	Pockrus to Mayhill TM Line Phase 2	R	1,000,000	
		R	045-TRANSMISSION LINES	Hickory - Eagle Transmission Line	CO	1,130,000	
		R	045-TRANSMISSION LINES	Eagle - Locust TM Line Phase 2	CO	4,100,000	
		G	045-TRANSMISSION LINES	Mayhill - Brinker/SPI TM Line Phase 2	CO	3,450,000	
		R	045-TRANSMISSION LINES	Hickory - Bonnie Brae TM Line Upgrade Relocation	CO	1,000,000	
		R	045-TRANSMISSION LINES	RD Wells to Denton West TM Line	CO	4,450,000	
		G	045-TRANSMISSION LINES	TM Line Additions New Underwood Substation	R	530,000	
		G	013-DISTRIBUTION SUBSTATIONS	Denton North Interchange (Distribution)	R	1,200,000	
		G	013-DISTRIBUTION SUBSTATIONS	Underwood Substation (Distribution)	R	4,340,000	
		G	013-DISTRIBUTION SUBSTATIONS	Brinker Substation (Distribution)	R	700,000	
		G	013-DISTRIBUTION SUBSTATIONS	Mayhill Substation (Distribution)	R	600,000	

## 2019-2023 Capital Improvement Program Five Year List

FY	HBU	Project Type	Group	Project Title	Funding Source	Project Cost	Total Cost
2023	600400	T	013-DISTRIBUTION SUBSTATIONS	RTU Upgrades (Distribution)	R	20,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
		R	050-VEHICLES	Vehicles	R	146,050	
				<b>Total Substations</b>			<b>\$ 27,021,050</b>
2023	600500	R	050-VEHICLES	Vehicles	R	\$ 33,750	
				<b>Total Engineering</b>			<b>\$ 33,750</b>
2023	600600	G	001-AUTOMATED METER READING	Three Phase Meters	R	\$ 214,579	
		G	001-AUTOMATED METER READING	Single Phase Meters Maintenance & Growth	R	245,550	
		G	001-AUTOMATED METER READING	Instrument Rated Equipment	R	305,114	
		G	001-AUTOMATED METER READING	AMI & WAN Equipment	R	23,994	
		T	001-AUTOMATED METER READING	Prepayment Meter System	R	168,873	
		G	043-TOOLS & EQUIPMENT	Capital Tools & Equipment	R	5,000	
				<b>Total Metering</b>			<b>\$ 963,110</b>
2023	600800	G	007-COMMUNICATIONS EQUIPMENT	Misc. Fiber Optic Projects	R	335,000	
		T	046-TRANSMISSION SUBSTATION	Substation Security (Transmission Cost)	CO	140,000	
		R	043-TOOLS & EQUIPMENT	Capital Tools and Equipment	R	5,000	
				<b>Total Communications</b>			<b>\$ 480,000</b>
				<b>2023 Total</b>			<b>\$ 41,000,421</b>
				<b>GRAND TOTAL</b>			<b>\$ 169,722,357</b>

Project Type:

G = Growth

I = Improved Service

R = Replacement

N= New Renovation

S = Statutory (Regulator

T = Technology

AID = Aid in Construction

CO = Certificate of Obligations

GO = General Obligation Bonds

R = Revenue

UB = Utility Bonds

# City of Denton

## 2019-2023 CIP Improvements Projects



**Project Title:** Feeders Extensions and Improvements

**Description:** Extend feeders, install feeder tie lines and complete other system improvements in order to provide an alternate source, system flexibility and adequate capacity to meet the needs of a growing electrical system.

**Business Unit:** 600300-Electric Distribution

**Project Type:** Growth

**Project Scope:** Every Year Project

**Category Code:** 019-FEEDER EXTENSIONS & IMPROVE

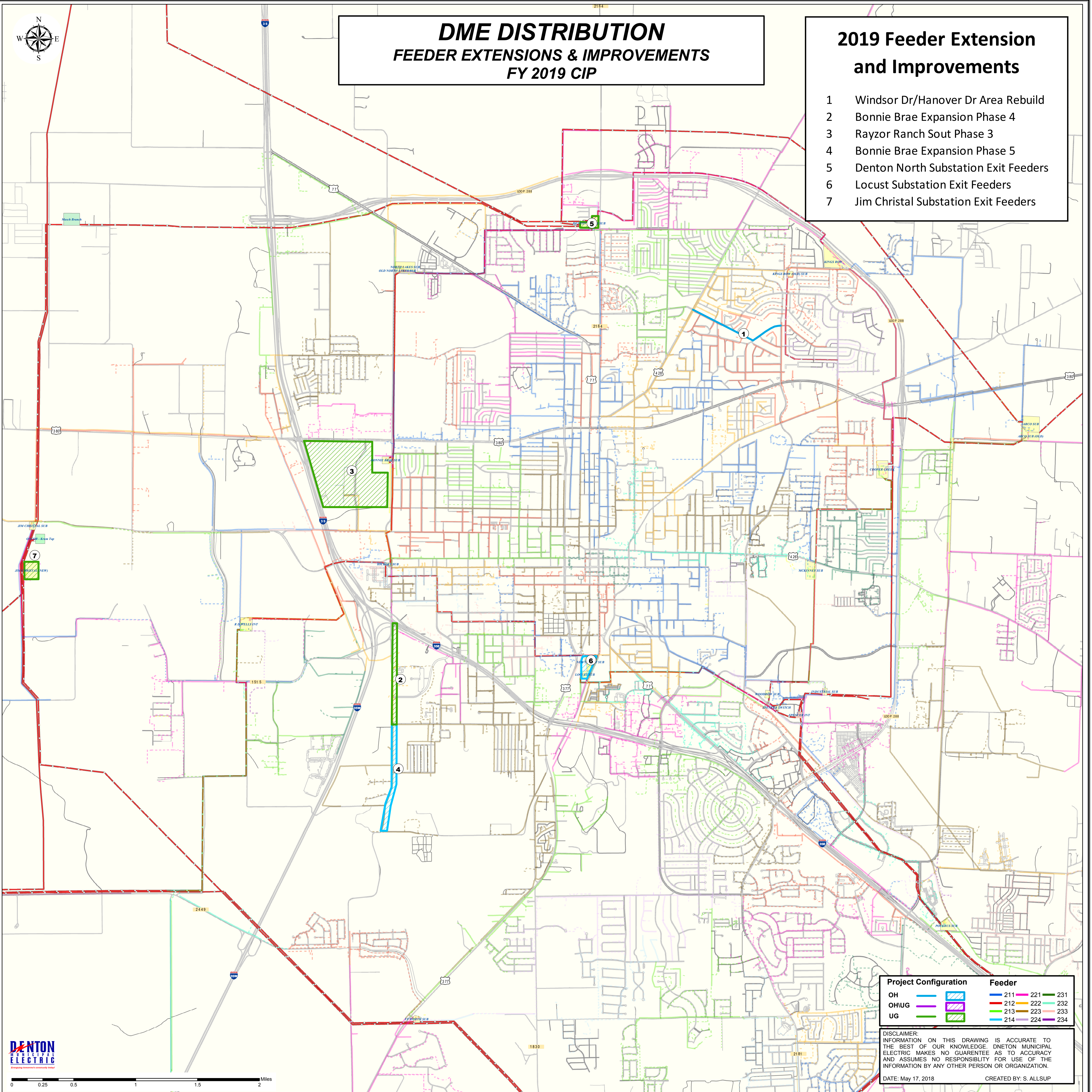
F.Y.	Cost Code	Cost Type	Funding Source	Comment	Amount
2019	3640-POLES, TOWERS & FIXTURES	1340-Labor	Revenue	Dist Labor	\$519,903
2019	3600-LAND & LAND RIGHTS	1365-Other	Revenue	Easements	\$120,605
2019	3660-UNDERGROUND CONDUIT	1340-Labor	Revenue	Dist Labor	\$234,576
2019	3670-UNDERGROUND CONDUCTORS&	1340-Labor	Revenue	Dist Labor	\$303,899
2019	3660-UNDERGROUND CONDUIT	1350-Materials	Revenue	Material	\$1,814,499
2019	3640-POLES, TOWERS & FIXTURES	1340-Labor	Revenue	Engineering Labor	\$282,841
2019	3660-UNDERGROUND CONDUIT	1340-Labor	Revenue	Engineering Labor	\$332,030
2019	3640-POLES, TOWERS & FIXTURES	1360-Sub Contract	Revenue	Design Contract	-\$240,165
2019	3650-OVERHEAD CONDUCTORS&DEV	1340-Labor	Revenue	Dist Labor	\$368,457
2019	3660-UNDERGROUND CONDUIT	1360-Sub Contract	Revenue	Dist Contract Labor	\$122,709
2019 Total:					\$3,859,354
2020	3640-POLES, TOWERS & FIXTURES	1365-Other	Revenue	2020	\$4,082,568
2020 Total:					\$4,082,568
2021	3640-POLES, TOWERS & FIXTURES	1365-Other	Revenue	2021	\$4,274,010
2021 Total:					\$4,274,010
2022	3640-POLES, TOWERS & FIXTURES	1365-Other	Revenue	2022	\$4,478,257
2022 Total:					\$4,478,257
2023	3640-POLES, TOWERS & FIXTURES	1365-Other	Revenue	2023 ALL	\$4,859,976
2023 Total:					\$4,859,976
<b>Project Total:</b>					<b>\$21,554,165</b>
















**Comments:**





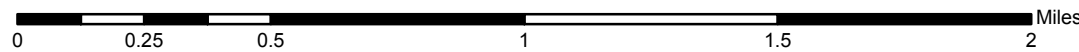
1	Windsor Dr/Hanover Dr Area Rebuild
2	Bonnie Brae Expansion Phase 4
3	Rayzor Ranch Sout Phase 3
4	Bonnie Brae Expansion Phase 5
5	Denton North Substation Exit Feeders
6	Locust Substation Exit Feeders
7	Jim Christal Substation Exit Feeders



Project Configuration		Feeder	
OH			 211  221  231
OHUG			 212  222  232
UG			 213  223  233
			214  224  234

DISCLAIMER:  
INFORMATION ON THIS DRAWING IS ACCURATE TO  
THE BEST OF OUR KNOWLEDGE. DNETON MUNICIPAL  
ELECTRIC MAKES NO GUARENTEE AS TO ACCURACY  
AND ASSUMES NO RESPONSIBILITY FOR USE OF THE  
INFORMATION BY ANY OTHER PERSON OR ORGANIZATION.

DATE: May 17, 2018





	<b>FY 2019 - FEEDER EXTENSION/IMPROVEMENT PROJECTS</b>	<b>2019</b>
1	<b>Windsor Dr/Hanover Dr Area Rebuild:</b> Rebuild approximately 2,800' of overhead line along Windsor Dr and Hanover Dr from Sherman Dr southeast to Emerson Ln.	\$ 249,766
2	<b>Bonnie Brae Expansion Phase IV:</b> Construct/convert approximately 4,000' of OH line to UG along Bonnie Brae St from IH-35E to Willowwood Dr to accommodate the City of Denton Bonnie Brae Rd expansion project. Include conduit for 2nd circuit. UNT has requested UG.	\$ 2,100,234
3	<b>Rayzor Ranch South Phase 3:</b> Construct new underground electric facilities to support Rayzor Ranch development (multi-year project; construct as development occurs).	\$ 100,459
4	<b>Bonnie Brae Expansion Phase V:</b> Construct/rebuild approximately 4,500' of overhead line along Bonnie Brae St from Willowwood St to Roselawn Dr to accommodate the City of Denton Bonnie Brae Rd expansion project. Poles will be installed for height & strength to accommodate future 2nd circuit.	\$ 298,895
5	<b>Denton North Substation Exit Feeders:</b> Construct distribution exit feeders out of Denton North Substation to accommodate new transformer addition.	\$ 370,728
6	<b>Locust Substation Exit Feeders:</b> Construct distribution exit feeders out of the new Locust substation.	\$ 369,272
7	<b>Jim Christal Substation Exit Feeders:</b> Construct distribution exit feeders out of the new Jim Christal Substation at W Jim Christal Rd.	\$ 370,000
	<b>2019 TOTAL</b>	<b>3,859,354</b>

2020 - FEEDER EXTENSION/IMPROVEMENT PROJECTS	2020
<b>Old Kings Row Feeder Rebuild:</b> Rebuild existing distribution underbuild and services along existing 69kV T-line from Kings Row south and east to Old North Rd.	\$ 1,100,769
<b>Nottingham Dr Rebuild:</b> Rebuild approximately 2,600' of overhead line along Nottingham Dr from University Dr north to Emerson Ln.	\$ 173,231
<b>Jim Christal Rd Relocation:</b> Rebuild/relocate 2800' of OH distribution circuits along Jim Christal Rd from Western Blvd going east to accommodate road widening plans.	\$ 301,067
<b>Riney Rd Dbl Circuit:</b> Construct approximately 3500' of double circuit overhead line along the south side of Riney Rd from the North Lakes Sub east to N Elm St.	\$ 249,183
<b>Bernard/James St Rebuild:</b> Rebuild approximately 1.25 miles of overhead line along Bernard St/James St, from Acme St to US 377 (due to age/condition of facilities).	\$ 350,333
<b>Willowwood St Rebuild:</b> Rebuild approximately 1.14 miles of overhead line on Willowwood St from Bonnie Brae to Bernard St. (due to age/condition of facilities)	\$ 299,917
<b>Hickory Creek Rd to Brush Creek Rd Feeder Extension:</b> Construct 1.76 miles of main line circuit along Hickory Creek Rd and Brush Creek Rd from Waterside Pl west to Argyle Ln. This will provide an additional system tie between the Fort Worth Substation and the Teasley Substation to improve system reliability in the southwest area of the City.	\$ 400,805
<b>Rayzor Ranch South Phase 4:</b> Construct new underground primary lines to support Rayzor Ranch development (multi-year project; construct as development occurs).	\$ 199,195
<b>Mingo Rd Feeder Extension:</b> Construct 2,700' of 3-ph line along Mingo Rd from Mockingbird Ln to east side of Loop 288.	\$ 203,197
<b>Hobson Ln Rebuild:</b> Rebuild/construct approximately 1.46 miles of double circuit lines along Hobson Ln and Teasley Ln from FM1830 east to Lillian Miller Pkwy.	\$ 650,129
<b>McKinney/Oakland Feeder Tie:</b> Upgrade approximately 1,000' of 4/0 UG line to 500 CU along McKinney St from Bell Ave west to Oakland St.	\$ 154,742
<b>2020 TOTAL</b>	<b>\$ 4,082,568</b>

2021 - FEEDER EXTENSION/IMPROVEMENT PROJECTS	2021
<b>I35W North Feeder Tie:</b> Construct approximately 3,200' of 3-ph underground line along I35W SB Service Rd from Love's Travel Center to Loop288 for feeder tie.	\$ 749,244
<b>Hickory Substation Exit Feeders Yr 1:</b> Construct distribution exit feeders out of the new Hickory Substation at W Hickory St and Bonnie Brae St.	\$ 499,766
<b>Coronado Dr Feeder Upgrade:</b> Upgrade approximately 1,800' of underground line along Coronado Dr from Locust St to Bell Ave.	\$ 225,172
<b>RD Wells Substation Exit Feeders:</b> Construct distribution exit feeders out of the new substation due to transformer addition.	\$ 799,828
<b>Rayzor Ranch South Phase 5:</b> Construct new underground primary lines to support Rayzor Ranch development (multi-year project; construct as development occurs).	\$ 500,459
<b>Masch Branch Rd Feeders Extension:</b> Construct 2.4 mi of double circuit overhead distribution feeders along Masch Branch Rd from proposed new Masch Branch Substation south and east to US380 to tie proposed substation to existing feeders.	\$ 999,541
<b>Old Kings Row Area Rebuild:</b> Rebuild existing distribution facilities in the area served off of old Kings Row Sub due to condition and to improve reliability.	\$ 500,000
<b>2021 TOTAL</b>	<b>\$ 4,274,010</b>

2022 - FEEDER EXTENSION/IMPROVEMENT PROJECTS	2022
<b>Brinker Substation Exit Feeders:</b> Construct distribution exit feeders out of new Brinker Substation and tie into existing Woodrow and Industrial Substation feeders.	\$ 900,769
<b>Brush Creek Road Line Rebuild:</b> Rebuild/Upgrade approximately 3,100' of overhead line and 1,400' of underground line along Brush Creek from US 377 to Argyle Ln. Existing underground is #2 AL and the overhead line is 4/0 AAC.	\$ 292,488
<b>Brinker - Arco T-Line UB:</b> Construct approximately four (4) miles of double circuit distribution underbuild from the North Spencer Substation to Arco Substation.	\$ 700,817
<b>Cole Ranch Development Phase 1:</b> Construct distribution circuits to accommodate new development in the southwest area of Denton.	\$ 999,183
<b>Eagle Substation Exit Feeders:</b> Construct distribution exit feeders out of the new substation. Location to be determined.	\$ 510,333
<b>Swisher &amp; FM426 Tie Phase 3:</b> Construct approximately 4,800' of main line circuit from COD landfill south to Swisher Rd. This will extend Pockrus feeder PK222 north to FM 426 and tie to Arco 221.	\$ 499,667
<b>Hickory Substation Exit Feeders Yr 2:</b> Construct distribution exit feeders out of the new Hickory Substation at W Hickory St and Bonnie Brae St.	\$ 575,000
<b>2022 TOTAL</b>	<b>\$ 4,478,257</b>

<b>2023 - FEEDER EXTENSION/IMPROVEMENT PROJECTS</b>	<b>2023</b>
<b>Greenwood Rebuild:</b> Rebuild approximately 2,800' of overhead line along Greenwood Dr from Sherman Dr to Kayewood Dr (#6 Copper to 4/0 AAC).	\$ 200,805
<b>Ruddell St Feeder Upgrade:</b> Upgrade approximately 2,400' of 3-ph OH line to 556 AAC along Ruddell St from US380 to Mingo Rd.	\$ 149,195
<b>Sherman Dr Feeder Upgrade:</b> Rebuild approximately 6,700' of existing 3-ph OH line to double circuit along Sherman Dr from Kings Row south to Bell Ave.	\$ 400,129
<b>Pockrus-Teasley Circuit Tie:</b> Construct main line circuit tie between TS221 and PR213 along I35E. This project will create another tie between Pockrus and Teasley Subs.	\$ 349,766
<b>Kings Row West Dbl Circuit Upgrade:</b> Rebuild/upgrade approximately 3,200' of double circuit overhead lines along Kings Row from the existing substation west to FM 428 (Sherman Dr).	\$ 399,871
<b>McKinney West Line Upgrade:</b> Rebuild/upgrade approximately 4,280' of 3-phase single circuit overhead line with double circuit overhead line along McKinney St from Audra Ln west to UPRR.	\$ 400,234
<b>Underwood Substation Exit Feeders:</b> Construct distribution exit feeders out of the new substation near intersection of Underwood Rd and FM2449.	\$ 759,976
<b>Rebuild Double Circuit along Hercules:</b> Rebuild approximately 1.12 miles of double circuit distribution feeder tie (former 69kV transmission line UB) along Hercules from FM 428 (Sherman Dr) west to Locust St due to age/condition.	\$ 399,272
<b>Masch Branch East Feeder Extension:</b> Construct 1.8 mi of double circuit overhead distribution feeders from proposed new Masch Branch Substation east to I35 to serve new load and tie to existing feeders.	\$ 749,911
<b>Distribution Automation:</b> Install automated distribution equipment at select locations to develop smart distribution grid.	\$ 250,000
<b>Cole Ranch Development Phase 2:</b> Construct distribution circuits to accommodate new development in the southwest area of Denton.	\$ 500,000
<b>Locust Sub - Ft Worth Dr Fdr Tie:</b> Construct approximately 2,200' of 3-ph OH/UG main line circuit from Myrtle St to Bernard St to create new feeder tie.	\$ 300,817
<b>2023 TOTAL</b>	<b>\$ 4,859,976</b>



## Substation and Transmission Line Project Cost Summary

### For the 2019 - 2023 CIP

#### Transmission Stations and Transmission Cost (cc046)

<u>Map #</u>		<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total Project Cost</u>
1	<b>Fort Worth Substation:</b> Replace the F440 primary 311L transmission line relay with a 411L relay to match remote terminal.	\$20,000					\$20,000
2	<b>Locust Substation:</b> Construct a new 138kV - 13.2kV substation on a new site to replace the existing Locust Substation. The existing Locust Substation does not have sufficient space to facilitate reconstruction or for conversion to 138kV operation on the current site. The existing substation bus does not have the capacity required by contingency planning criteria. Future use of the original site has not been determined. Reconstruction will include space for the addition of a transmission voltage capacitor. 2019 cost is for final commissioning. (603233)	\$165,000					\$165,000
3	<b>Masch Branch Substation:</b> Construct a new 138kV substation in the northwest area of DME's service territory. The station will be designed with the capability to intertie TMPA 138kV transmission lines with an Oncor or other 138kV transmission in the future. The station will be placed in service in the early part of FY 2019. (603286)	\$185,000					\$185,000
4	<b>Hickory Substation:</b> Construct a new 138kV - 13.2kV gas insulated substation on a new site to replace the existing Hickory Substation. The existing site is not large enough to allow construction of the new facilities. The existing switchgear and transformers are approaching the ends of their service lives and must be replaced. (603234)	\$6,000,000	\$4,700,000	\$1,800,000			\$12,500,000
5	<b>Denton North Interchange:</b> Expand the site for access and drainage. Install drainage to accommodate development of the area north and west of the site.	\$360,000					\$360,000
	<b>Denton North Interchange:</b> Transmission cost to install a second 28MVA substation power transformer to serve distribution load.				\$156,000		\$156,000
6	<b>Underwood Substation:</b> Construct a new 138kV - 13.2kV substation to meet the needs of growth and maintain reliability for the western and southwestern areas of DME's service territory. Land cost in 2019. (603289)	\$470,000			\$2,872,000	\$3,060,000	\$6,402,000
7	<b>Bonnie Brae Substation:</b> Replace five 69kV circuit breakers with 138kV circuit breakers; upgrade transmission line relaying (411L relays). Replace 69kV PT's and arresters with 138kV PT's and arresters. Convert to 138kV operation. Install 138kV EPS metering CT's. Replace two SEL 735 meters with 734 meters, and install two additional SEL 734 meters to provide ERCOT EPS metering (603725)		\$625,000				\$625,000
8	<b>Spencer Interchange 69kV Reconstruction:</b> Reconstruct the 69kV section of the Spencer Interchange to add a breaker and switches to the low side of the autotransformer.		\$180,000	\$290,000			\$470,000
9	<b>Denton West Interchange:</b> Construction to upgrade bus supports to match the structural requirements of higher fault currents. (Reimbursable from TMPA)			\$380,000			\$380,000
	<b>Denton West Interchange:</b> Reconfigure the bus and relocate the 30 MVA, 138kV capacitor so that it can serve either main 138kV bus. (Reimbursable from TMPA)				\$425,000		\$425,000
	<b>Denton West Interchange:</b> Install two new 138kV transmission line terminals for two new transmission lines constructed by Brazos Electric Cooperative. (Reimbursable from TMPA)					\$580,000	\$580,000

## Substation and Transmission Line Project Cost Summary For the 2019 - 2023 CIP

### ***Transmission Stations and Transmission Cost (cc046) (continued)***

<u>Map #</u>		<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total Project Cost</u>
10	<b>Brinker Substation:</b> Construct a new station to provide a major transmission intertie point. The station will provide terminal space for up to 10 transmission lines, up to two 138kV-69kV autotransformers, and up to five substation power transformers. Three substation power transformers and six transmission lines will be installed initially. Future expansion will be possible without increasing the size of the station. The scope of this project includes addition of an autotransformer in the later years of the CIP. (603290)		\$84,000	\$1,800,000	\$9,810,000		\$11,694,000
11	<b>Mayhill Substation:</b> Construct a new 138kV - 13.2kV substation to meet the needs of growth and maintain reliability for the eastern and southeastern areas of DME's service territory. (603391)						
12	<b>Eagle Substation:</b> Construct a new 138kV - 13.2kV gas insulated substation to meet the needs of growth and maintain reliability in the central areas of Denton. City council has selected a site for the substation on the southeast quadrant of the intersection of Eagle and Bernard. (603200)			\$7,470,000	\$4,555,000		\$12,025,000
13	<b>RD Wells Interchange:</b> Reconfigure station to remove two 138kV to 69kV autotransformers and feed the Hickory Substation transmission line directly from the 138kV bus.					\$450,000	\$450,000
-	<b>Replace EPS metering CT's at Multiple Stations:</b>			\$110,000	\$110,000	\$110,000	\$330,000
-	<b>Install Auxiliary CT's for Transformer Differentials in Multiple Stations:</b> Install auxiliary CT's for each distribution transformer in KR, CC, MK, WR, PK, and NL. This addition is required to match line and station capacities to avoid having breaker CT's be the most limiting elements for transmission flows.				\$110,000		\$110,000
-	<b>Ethernet Security Gateway Relays at Multiple Stations:</b> Installation of SEL 3610, 3620, and 2730 SEL relays at multiple stations to protect critical cyber assets.	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
-	<b>Substation Security (Transmission Cost)</b>	\$140,000	\$140,000	\$140,000	\$140,000	\$140,000	\$700,000
<b>Total Transmission Cost for Stations</b>		<b>\$7,490,000</b>	<b>\$5,879,000</b>	<b>\$12,140,000</b>	<b>\$18,328,000</b>	<b>\$4,490,000</b>	<b>\$48,327,000</b>



## Substation and Transmission Line Project Cost Summary For the 2019 - 2023 CIP

### Transmission Lines (cc045)

<u>Map #</u>		<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total Project Cost</u>
14	<b>Pockrus - Mayhill Transmission Line Phase 1:</b> Construct one segment of a new 138kV transmission line from Pockrus to the new Mayhill Substation. This phase of construction will be double circuit and will only construct the portion of line across the Timberlinks property. All construction will have underbuild. (600755)	\$100,000					\$100,000
	<b>Pockrus - Mayhill Transmission Line Phase 2:</b> Complete construct of a new 138kV transmission line from Pockrus Substation to the new Mayhill Substation site. All construction will have underbuild. The new line segment is needed to provide additional capacity and an alternate route to the existing TMPA Pockrus - Spencer Interchange 138kV transmission line and serve the new Mayhill Substation. Phase 1 constructed the segment across the Timberlinks property. The location of the new Mayhill Substation will determine the exact length and cost.					\$1,000,000	\$1,000,000
15	<b>Hickory Substation Transmission Line Upgrades:</b> Reconstruct the Hickory ends of the transmission lines from the Bonnie Brae and RD Wells substations to connect the new Hickory Substation. The project will include approximately 900 feet of underground transmission line.		\$4,350,000	\$3,000,000			\$7,350,000
16	<b>Spencer Interchange - Spencer Switch:</b> Reconstruct approximately 1,200 feet of existing 69kV transmission line from the Spencer Interchange to the Spencer Switch to provide the capacity needed to meet the requirements of contingency planning criteria.		\$290,000				\$290,000
17	<b>Bonnie Brae - North Lakes Transmission Line:</b> Retire two spans and install one new span of 138kV conductor to reconnect the Bonnie Brea transmission line to the new North Lakes Substation.			\$45,000			\$45,000
18	<b>Convert RD Wells - Hickory TM Line to 138kV Operation:</b> Install three spans of transmission line in the RD Wells Interchange to connect the Hickory TM Line to the 138kV bus. (604087)			\$210,000			\$210,000
19	<b>Woodrow - Brinker Transmission Line Phase 2:</b> Reconstruct approximately 2,280 feet of 138kV transmission line between the Woodrow Substation and new Brinker Substation site to provide the capacity to match the Brinker to McKinney line and to provide space for the Spencer Interchange to Brinker lines. Construction of this line must be completed before the Brinker to Spencer transmission line construction. Phase 1 completion in 2018.			\$1,300,000			\$1,300,000
20	<b>Hickory - Eagle Transmission Line:</b> Reconstruct approximately 1.5 miles of existing transmission line to replace aging facilities and provide the capacity needed to meet the requirements of contingency planning criteria. The line will be reconstructed for operation at 138kV. The budget numbers reflect 0.2 mi. underground transmission (total for the underground at both the Eagle and Hickory ends). The amounts for the project include the cost for purchase of additional easements. (602949)			\$1,200,000	\$5,500,000	\$1,130,000	\$7,830,000
21	<b>Eagle - Locust Transmission Line Phase 2:</b> Reconstruct approximately 1 mile of existing transmission line to replace aging facilities and provide the capacity needed to meet the requirements of contingency planning criteria. The line will be reconstructed for operation at 138kV. The amounts for the project include the cost for purchase of additional easements. Phase 1 completion in 2018.				\$1,090,000	\$4,100,000	\$5,190,000

## Substation and Transmission Line Project Cost Summary For the 2019 - 2023 CIP

### Transmission Lines (cc045) (Continued)

<u>Map #</u>		<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total Project Cost</u>
22	<b>Mayhill - Brinker/Spencer Interchange Transmission Line Phase 2:</b> Construct approximately 1 mile of new 138kV double circuit transmission line from the Mayhill Substation site to behind Tractor Supply. Reconstruct approximately .75 miles of 138kV double circuit transmission line from behind Tractor Supply to the new Brinker Substation and to Spencer Interchange. All construction will have distribution underbuild. The new line is needed to provide additional capacity and an alternate route to the existing TMPA Pockrus - Spencer Interchange 138kV transmission line, and the new line will complete the transmission loop that will serve the new Mayhill Substation. The route for this line has not been determined. Consequently, the line length could change. Phase 1 completion in 2018.				\$980,000	\$3,450,000	\$4,430,000
23	<b>Brinker - Spencer Interchange Transmission Line:</b> Construct approx. .5 miles of new transmission line from the new Brinker Substation to Spencer Interchange. Construction of this line must be coordinated with construction of the Woodrow to Brinker transmission line which must be completed first. (603500)				\$1,400,000		\$1,400,000
24	<b>Arco - Cooper Creek Transmission Line Reconstruction:</b> Reconstruct approximately 1.5 miles of Arco Substation to Cooper Creek Substation 138kV transmission line to provide the additional capacity needed to meet the requirements of contingency planning criteria. (603511)		\$2,230,000	\$1,170,000			\$3,400,000
25	<b>Hickory - Bonnie Brae Transmission Line Upgrade/Relocation:</b> Construction cost to upgrade and/or relocate the Hickory Substation to Bonnie Brae Substation transmission line in conjunction with City of Denton widening of Bonnie Brae Street and reconstruction of the Hickory Substation.				\$1,100,000	\$1,000,000	\$2,100,000
26	<b>RD Wells to Denton West TM Line:</b> Reconstruct approximately 4.5 miles of 138kV transmission line from RD Wells Interchange to Denton West Interchange to provide the capacity needed to meet the requirements of contingency planning criteria.					\$4,450,000	\$4,450,000
6	<b>Transmission Line Additions to Support the Underwood Substation:</b> Construct transmission line facilities to connect the proposed new Underwood Substation.					\$530,000	\$530,000
<b>Total Transmission Line Cost</b>		<b>\$100,000</b>	<b>\$6,870,000</b>	<b>\$6,925,000</b>	<b>\$10,070,000</b>	<b>\$15,660,000</b>	<b>\$39,625,000</b>

## Substation and Transmission Line Project Cost Summary

### For the 2019 - 2023 CIP

#### Distribution Stations (cc013)

<u>Map #</u>		<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total Project Cost</u>
2	<b>Locust Substation Completion (FY 2017/18):</b> Distribution cost for reconstruction of the Locust Substation on a new site.	\$45,000					\$45,000
3	<b>Masch Branch Substation:</b> Distribution cost for addition of one 138kV - 13.2kV transformer and switchgear building.						
4	<b>Hickory Substation:</b> Distribution cost for reconstruction of the Hickory Substation on a new site. (603234)	\$2,115,000	\$2,380,000	\$600,000			\$5,095,000
5	<b>Denton North Interchange:</b> Install a second 28MVA substation power transformer to serve distribution load.					\$1,200,000	\$1,200,000
6	<b>Underwood Substation:</b> Distribution cost for construct of a new 138kV - 13.2kV substation to meet the needs of growth and maintain reliability for the western and southwestern areas of DME's service territory. (603289)	\$330,000			\$300,000	\$4,340,000	\$4,970,000
10	<b>Brinker Substation:</b> Distribution cost for construction of a new 138kV - 13.2kV substation to meet the needs and maintain reliability. (603290)			\$50,000	\$2,000,000	\$700,000	\$2,750,000
11	<b>Mayhill Substation:</b> Distribution cost for construction of a new 138kV - 13.2kV substation to meet the needs of growth and maintain reliability for the eastern and southeastern areas of DME's service territory (603391)					\$600,000	\$600,000
13	<b>RD Wells Interchange:</b> Commission 4th distribution transformer and building.	\$20,000					\$20,000
-	<b>RTU Upgrades:</b> Replace older RTU's in stations to allow for Ethernet capabilities.	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
-	<b>SCADA Master Computer Replacement:</b> Replace master SCADA computer every 4 years.			\$400,000			\$400,000
-	<b>SCADA Equipment &amp; Upgrade</b>			\$83,000			\$83,000
<b>Total Distribution Substation Cost</b>		<b>\$2,530,000</b>	<b>\$2,400,000</b>	<b>\$1,153,000</b>	<b>\$2,320,000</b>	<b>\$6,860,000</b>	<b>\$15,263,000</b>
<b>Grand Total Costs for the CIP (Includes Costs Accrued in Prior Years)</b>		<b>\$10,120,000</b>	<b>\$15,149,000</b>	<b>\$20,218,000</b>	<b>\$30,718,000</b>	<b>\$27,010,000</b>	<b>\$103,215,000</b>

# City of Denton

## 2019-2023 CIP Improvements Projects



**Project Title:** New Residential & Commercial Development  
**Description:** Electrical facilities for service to new subdivisions, apartments and commercial customers  
**Business Unit:** 600300-Electric Distribution  
**Project Type:** Growth  
**Project Scope:** Every Year Project  
**Category Code:** 025-NEW  
RESIDENTIAL&COMMERCIAL

F.Y.	Cost Code	Cost Type	Funding Source	Comment	Amount
2019	3640-POLES, TOWERS & FIXTURES	1360-Sub Contract	Revenue	Eng Design Contract	-\$42,652
2019	3640-POLES, TOWERS & FIXTURES	1340-Labor	Revenue	Dist Labor	\$92,332
2019	3650-OVERHEAD CONDUCTORS&DEV	1340-Labor	Revenue	Dist Labor	\$65,436
2019	3660-UNDERGROUND CONDUIT	1340-Labor	Revenue	Dist Labor	\$41,660
2019	3670-UNDERGROUND CONDUCTORS&	1340-Labor	Revenue	Dist Labor	\$53,970
2019	3660-UNDERGROUND CONDUIT	1350-Materials	Revenue	Materials	\$1,682,946
2019	3660-UNDERGROUND CONDUIT	1360-Sub Contract	Revenue	Dist Contract Labor	\$21,792
2019	3660-UNDERGROUND CONDUIT	1340-Labor	Revenue	Eng Labor	\$58,967
2019	3640-POLES, TOWERS & FIXTURES	1340-Labor	Revenue	Eng Labor	\$50,231
2019 Total:					\$2,024,682
2020	3660-UNDERGROUND CONDUIT	1365-Other	Revenue	2020 ALL	\$2,118,571
2020 Total:					\$2,118,571
2021	3660-UNDERGROUND CONDUIT	1365-Other	Revenue	2021 ALL	\$2,233,485
2021 Total:					\$2,233,485
2022	3660-UNDERGROUND CONDUIT	1365-Other	Revenue	2022	\$2,354,858
2022 Total:					\$2,354,858
2023	3660-UNDERGROUND CONDUIT	1365-Other	Revenue	2023 ALL	\$2,511,785
2023 Total:					\$2,511,785
Project Total:					\$11,243,381

**Comments:**

