



City of Denton, Texas

FY 2019-20 Denton Energy Center YTD April 2020 Dashboard

Emissions

Description	April 2020					Description	Nitrogen Oxides (NOx)	Carbon Monoxide (CO)	Volatile Organic Compound (VOC)	Particulate Matter<10 microns (PM ₁₀)	Particulate Matter<2.5 microns (PM _{2.5})	Sulphur Dioxide (SO ₂)	Ammonia (NH ₃)	Carbon Dioxide Equivalents (CO ₂ e)
	Engine Runtime (hours)*	Hot Starts	Warm Starts	Cold Starts	Stops									
Engines (1-12)	749	54	56	131	241	DEC Monthly Emissions Total (tons)	1.25	1.19	0.76	0.54	0.54	0.01	0.11	4,319.00
						DEC Annual Permit Limit Operations (tons)**	29.78	93.52	48.16	69.72	69.72	1.45	60.90	
						Monthly Plant Emissions per DEC Permit Limit	4.19%	1.27%	1.58%	0.77%	0.77%	0.71%	0.18%	
						Annual to Date Plant Emissions per DEC Permit Limit	20.20%	6.30%	8.50%	3.80%	3.80%	3.70%	0.80%	

* Over the past 12 months, the DEC engines ran 16% of the time. During the month of April, the DEC engines ran 9% of the time.

**Operations Annual Limit accounts for Balance of Plant standard emissions

Generation & Gross Revenues

Month	Revenue	MWh	\$/MWh
Oct-19	\$2,043,727	16,344	\$125.04
Nov-19	\$1,152,356	16,168	\$71.27
Dec-19	\$126,950	2,159	\$58.80
Jan-20	\$239,366	2,671	\$89.62
Feb-20	\$676,548	9,466	\$71.47
Mar-20	\$1,561,657	18,209	\$85.76
Apr-20	\$889,878	8,765	\$101.52
Total FY 2019-20	\$6,690,482	73,782	\$90.68



	FY 2018-19 YTD ACTUALS **	FY 2019-20 BUDGET	FY 2019-20 YTD	FY 2019-20 PROJECTION
DEC REVENUE*	\$ 7.66	\$ 25.07	\$ 6.69	\$ 25.07
EXPENDITURE SUMMARY				
Energy Expense - Fuel	\$ 3.25	\$ 12.48	\$ 1.69	\$ 11.00
Personnel Services	0.91	2.22	1.03	1.80
Materials & Supplies	0.11	0.44	0.20	0.39
Maintenance & Repair	0.09	0.56	0.02	0.56
Insurance	0.01	0.50	0.01	1.08
Miscellaneous	0.00	0.00	0.00	0.00
Operations	0.12	0.48	0.12	0.38
Debt Service - Principal	2.99	7.47	4.33	7.47
Debt Service - Interest	3.37	9.80	5.74	9.80
Interfund Transfers	0.00	0.05	0.03	0.05
Transfer to Capital Projects	-	0.02	-	0.02
DEC EXPENDITURES	\$ 10.85	\$ 34.03	\$ 13.17	\$ 32.55
	\$ -	\$ -	\$ -	\$ -
DEC NET INCOME	\$ (3.19)	\$ (8.95)	\$ (6.48)	\$ (7.48)

*Preliminary, Unaudited Figures

** Represents same period (7 months) as FY 2019-20 YTD for comparison purposes. Total Net Income for FY 2018-19 was \$14.22 M.

Key Trends

For the first 7 months of FY 2019-20, the DEC produced 26,426 MWh less than the same period of FY 2018-19. This resulted in approximately \$968,000 less in revenues and \$2.3 Million more in total expenses for the same time period. This increase was due to the annual debt service payment increasing from \$10 M to \$18 M in FY 19-20. As of April 30, 2020, expenditures exceed revenues by \$6.48 Million which is expected for this period of the fiscal year. The FY 2019-20 Estimate includes a \$1.5 Million reduction in fuel cost based on fewer estimated run hours, and a \$420,000 reduction in Personnel Services is anticipated as a result of vacancies. The FY 2019-20 Estimate for Insurance has increased by \$580,218 as a result of an increase in the cost of DEC property insurance and the acquisition of outage insurance.

Through April 2020 the DEC Gross Margin was \$4.9 Million which is \$3.4 Million higher than budgeted for the same period (Gross Margin = DEC Revenue – Fuel Cost – Variable Operating & Maintenance Cost). This is due to higher revenue in each month this fiscal year except December and January than anticipated.

Updates in the DEC Revenue and Energy Expenses for FY 2019-20 year-end projections show a \$(7.48) Million Net Income compared to the \$(8.95) Million Net Income shown in the FY 2019-20 budget.

Note: All dollar figures presented are in million of dollars.



City of Denton, Texas

FY 2019-20 Denton Energy Center YTD March 2020 Dashboard

Emissions														
Description	March 2020					Description	Nitrogen Oxides (NOx)	Carbon Monoxide (CO)	Volatile Organic Compound (VOC)	Particulate Matter<10 microns (PM ₁₀)	Particulate Matter<2.5 microns (PM _{2.5})	Sulphur Dioxide (SO ₂)	Ammonia (NH ₃)	Carbon Dioxide Equivalents (CO ₂ e)
	Engine Runtime (hours)	Hot Starts	Warm Starts	Cold Starts	Stops									
Engines (1-12)	1,489	177	66	162	405	DEC Monthly Emissions Total (tons)	1.75	1.73	1.29	0.99	0.99	0.02	0.21	8,980.00
						DEC Annual Permit Limit Operations (tons)*	29.78	93.52	48.16	69.72	69.72	1.45	60.90	
						Monthly Plant Emissions per DEC Permit Limit	5.88%	1.85%	2.68%	1.42%	1.42%	1.28%	0.35%	
						Annual to Date Plant Emissions per DEC Permit Limit	16.00%	5.10%	6.90%	3.00%	3.00%	3.00%	0.60%	

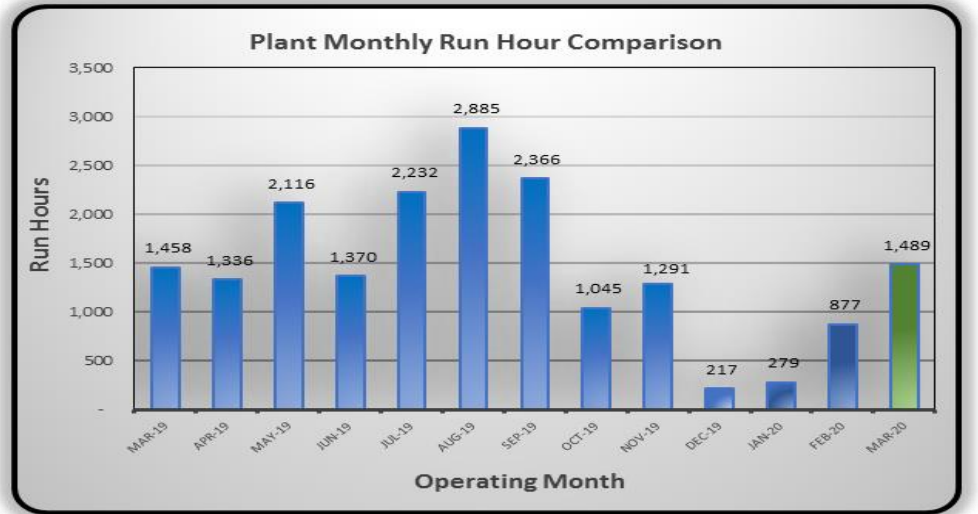
*Operations Annual Limit accounts for Balance of Plant standard emissions

Generation & Gross Revenues			
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Nov-19	\$1,152,356	16,168	\$71.27
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Jan-20	\$239,366	2,671	\$89.62
Feb-20	\$676,548	9,466	\$71.47
Mar-20	\$1,561,657	18,209	\$85.76
Total FY 2019-20	\$5,800,604	65,017	\$89.22

	FY 2018-19	FY 2019-20	FY 2019-20	FY 2019-20
	YTD ACTUALS **	BUDGET	YTD	PROJECTION
DEC REVENUE*	\$ 6.70	\$ 25.07	\$ 5.80	\$ 26.07
EXPENDITURE SUMMARY				
Energy Expense - Fuel	\$ 2.87	\$ 12.48	\$ 1.51	\$ 11.00
Personnel Services	0.75	2.22	0.88	2.22
Materials & Supplies	0.11	0.44	0.18	0.44
Maintenance & Repair	0.05	0.56	0.01	0.56
Insurance	0.01	0.50	0.01	0.50
Miscellaneous	-	-	-	0.00
Operations	0.11	0.48	0.11	0.48
Debt Service - Principal	2.39	7.47	3.71	7.47
Debt Service - Interest	2.52	9.80	4.93	9.80
Interfund Transfers	0.00	0.05	0.03	0.05
Transfer to Capital Projects	-	0.02	-	0.02
DEC EXPENDITURES	\$ 8.81	\$ 34.02	\$ 11.37	\$ 32.55
	\$ -	\$ -	\$ -	\$ -
DEC NET INCOME	\$ (2.11)	\$ (8.95)	\$ (5.57)	\$ (6.48)

*Preliminary, Unaudited Figures

** Represents same period (6 months) as FY 2019-20 YTD for comparison purposes. Total Net Income for FY 2018-19 was \$14.22 M.



Key Trends

For the 2nd Quarter of FY 2019-20, the DEC produced 20,725 MWh less than the same period of FY 2018-19. This resulted in approximately \$900,000 less in revenues and \$2.5 Million more in total expenses for the same time period. This increase was due to the annual debt service payment increasing from \$10 M to \$18 M in FY 19-20. As of March 31, 2020, expenditures exceed revenues by \$5.6 Million which is expected for this period of the fiscal year.

Through March 2020 the DEC Gross Margin was \$4.2 Million which is \$2.8 Million higher than budgeted for the same period (Gross Margin = DEC Revenue – Fuel Cost – Variable Operating & Maintenance Cost). This is due to higher revenue in October and November than anticipated.

Updates in the DEC Revenue and Energy Expenses for FY 2019-20 year-end projections show a \$(6.48) Million Net Income compared to the \$(8.95) Million Net Income shown in the FY 2019-20 budget.

Note: All dollar figures presented are in million of dollars.