

2019 Denton Energy Center Emissions by Month

2019	Runtime (hrs)	Hot Starts	Warm Starts	Cold Start	Stops	Nitrogen Oxides (NOx)	Carbon Monoxide (CO)	Volatile Organic Compounds (VOC)	Particulate Matter<10 (PM ₁₀)	Particulate Matter<2.5 (PM _{2.5})	Sulphur Dioxide (SO ₂)	Ammonia (NH ₃)	Carbon Dioxide Equivalents (CO ₂ e)*	MWh
GENSET 1-12 TOTALS	17991.7	2103	1308	1450	4861									
January	751.8	170	58	151	379	2982.4	2950.8	2274.5	1384.3	1384.3	27.9	205.7	4692	9665
February	922.7	120	32	124	276	2437.6	2446.7	1746.3	1279.8	1279.8	24.3	273.4	5872	11507
March	1458.4	167	74	188	429	3853.9	3802.9	2730.9	2020.8	2020.8	38.0	428.4	8505	17435
April	1335.9	299	79	158	536	3682.4	3660.3	3209.2	2129.8	2129.8	42.2	367.3	6927	14467
May	2116.4	30	45	73	148	2207.2	2148.5	1390.2	2040.4	2040.4	30.6	610.4	7140	14363
June	1370.3	84	126	127	337	3189.2	2944.9	2200.0	1773.6	1773.6	32.3	399.9	9015	18327
July	2232.4	116	218	66	400	3368.0	3002.5	2770.2	2606.4	2606.4	44.8	658.0	15359	31372
August	2885.5	158	243	28	429	3381.0	3012.3	3087.0	3202.3	3202.3	53.5	826.9	22524	46732
September	2365.9	219	243	71	533	3814.8	3475.0	3506.0	2969.6	2969.6	53.2	717.1	18024	37181
October	1044.8	211	83	129	423	3019.0	2987.2	2547.3	1623.5	1623.5	33.1	309.0	7808	16344
November	1291.1	453	66	185	704	4199.7	4346.6	4067.6	2377.4	2377.4	50.2	375.6	7906	16168
December	216.7	76	41	150	267	2465.0	2372.1	1496.1	668.5	668.5	16.1	62.8	1103	2159
													Total MWh	235720
Operations Emissions														
						Engine Emissions (pounds)	38600.0	37149.8	31025.3	24076.5	24076.5	446.2	5234.4	
						Engine Emissions (tons)	19.3	18.6	15.5	12.0	12.0	0.2	2.6	114876
Plant Equipment Emissions (Permit by Rule)														
						DEC Annual Emissions Emergency Diesel Generator*	0.71	0.39	0.17	0.04	0.04	0.14	0.00	41
						DEC Annual Emissions Dew Point Heater*	3.31	2.59	0.27	0.24	0.24	0.16	0.00	3077
						Total Plant Emissions								
						Tons	23.32	21.55	15.95	12.32	12.32	0.52	2.62	117994
DEC Standard Permit Annual Limits														
						DEC Total Plant Annual Emission Permit Limits (tons)	33.80	96.50	48.60	70.00	70.00	1.75	60.90	
						Annual to Date Total Plant Emissions per DEC Permit Limit	69.0%	22.3%	32.8%	17.6%	17.6%	29.9%	4.3%	

*DEC operates dew point heater and diesel generator under TCEQ permit by rule.