

### Denton Energy Center Emissions by Month

2018	Runtime (hrs)	Hot Starts	Warm Starts	Cold Start	Stops										
GENSET 1-12 TOTALS	10475.1	509	335	1427	2271	NOx	CO	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NH <sub>3</sub>	CO <sub>2</sub> e*	MWh	
						pounds	pounds	pounds	pounds	pounds	pounds	pounds	tons		
January	0.0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	
February	0.0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	
March	0.0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	
April	0.0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	
May (commissioning)	2449.8	49	12	34	95	1650.8	1731.8	1204.8	2201.4	2201.4	31.8	715.6	8661	16833	
June (commissioning)	439.2	47	26	102	175	1766.9	1723.4	1135.5	713.0	713.0	15.0	120.9	2742	5284	
July (begin ERCOT operations)	1481.0	63	98	160	321	3463.6	3276.5	2164.6	1839.7	1839.7	32.6	436.8	12551	26305	
August	1539.3	43	32	244	319	4157.6	4101.6	2166.8	1842.0	1842.0	32.2	445.9	12159	25360	
September	1033.6	65	19	151	235	2658.7	2667.8	1583.4	1272.6	1272.6	23.4	296.3	7712	15764	
October	1633.1	122	36	306	464	5193.5	5144.8	3005.2	2257.6	2257.6	41.6	469.7	11761	23521	
November	1433.2	71	79	195	345	3796.5	3654.6	2282.0	1828.3	1828.3	33.4	429.4	8537	17919	
December	465.9	49	33	235	317	3585.9	3480.2	1850.6	948.5	948.5	21.5	160.8	2790	5693	
													Total MWh	136678	
<b>Operations Emissions</b>															
						Engine Emissions (pounds)	26273.5	25780.7	15392.8	12903.1	12903.1	231.3	3075.3		
						Engine Emissions (tons)	13.1	12.9	7.7	6.5	6.5	0.1	1.5	66913	
<b>Plant Equipment Emissions (Permit by Rule)</b>															
						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	
<b>Total Plant Emissions</b>															
						Tons	17.16	15.87	8.14	6.73	6.73	0.42	1.54	70031	
<b>DEC Standard Permit Annual Limits</b>															
						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	50.8%	16.4%	16.7%	9.6%	9.6%	23.8%	2.5%		

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