

**A report by the staff of the
Public Utilities Commission of Ohio**

Weekly Report of COVID-19 Impacts by Electric Transmission Zone

July 23, 2020

The Public Utilities Commission of Ohio's (PUCO) Office of the Federal Energy Advocate is producing this special report due to a current COVID-19 pandemic event which is drastically affecting all facets of life in the USA. Specifically, this report analyzes the load differences for electric transmission zones that are entirely or partly in Ohio.

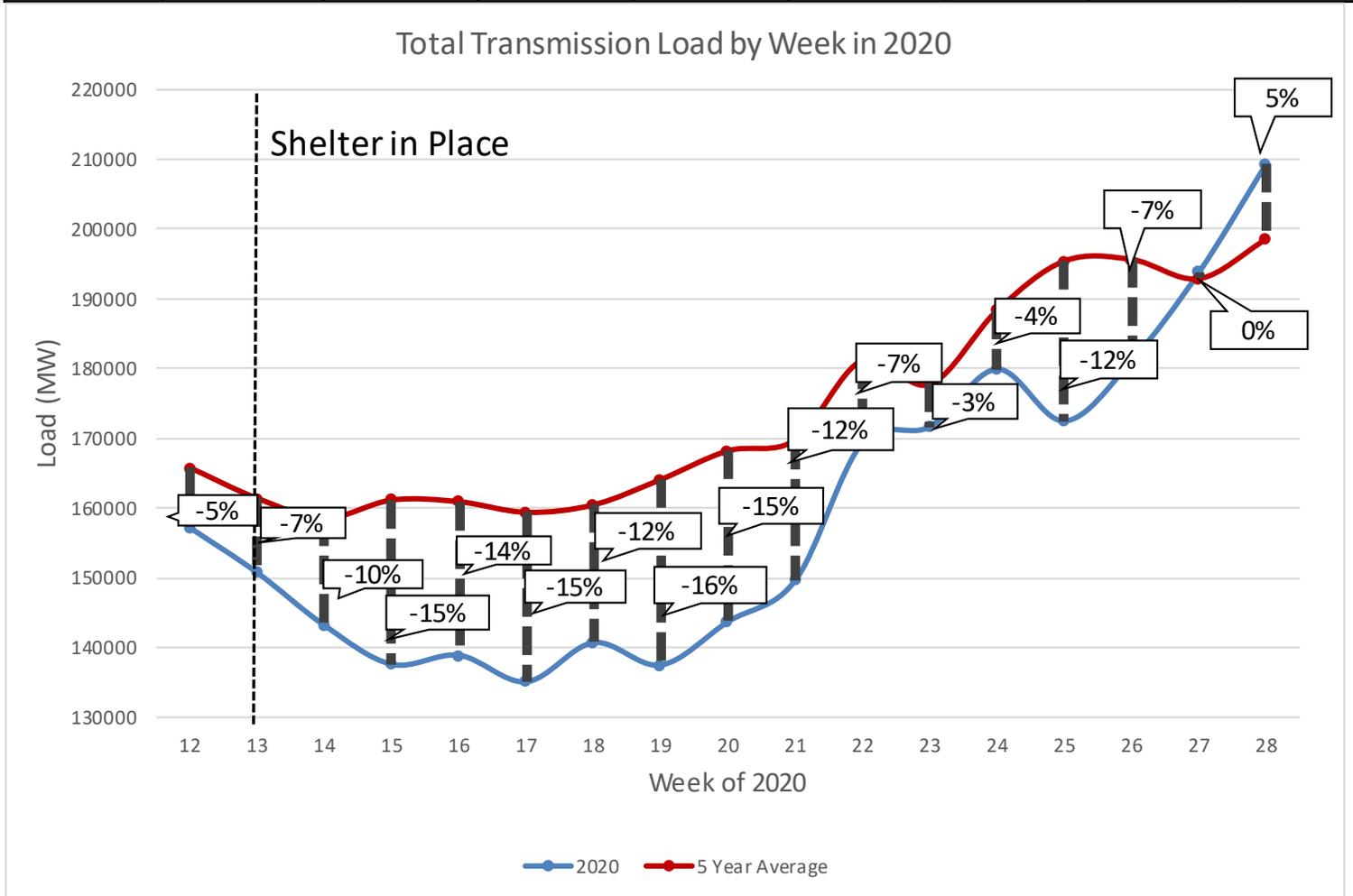
In order to properly evaluate load differences per year, Staff removed weather effects from the data as well as aligning days to properly have weekdays only compared with other weekdays. Staff intends to continue a weekly analysis that captures every week since the COVID-19 pandemic was declared up to the week preceding the current week. In order to make a baseline for the weekly reports, staff continues the method of denoting the week of the year.

This weekly briefing report is for the 27th week (For 2020 that is June 28 – July 4) and 28th week of 2020 (For 2020 that is July 5 – July 11). An analysis of this week demonstrates the impact of COVID-19 spread prevention tactics in energy consumption. **The 26th week the load reduction versus the 5-year average was around -7 percent; for the 27th week the reduction is around 0 percent. For the 28th week the difference is around +5 percent**, note the 2020 energy consumption has surpassed the weekly total of the five-year average in week 28. The five-year average and 2020 total transmission loads are not statistically significant, however there appears to be some volatility that deserves continued monitoring.

Please see the graphs provided on the subsequent pages for further detail.

Cumulative	12	13	14	15	16	17	18	19
2020	157189.59	150743.53	143172.17	137607.27	138906.36	135110.31	140714.36	137512.40
5 Year Average (2015-2019)	165798.79	161409.94	158563.01	161167.92	165798.79	159402.73	160477.10	164116.79
Diff #	-8609.20	-10666.41	-15390.85	-23560.65	-22020.26	-2492.43	-19762.73	-26604.38
Diff %	-5%	-7%	-10%	-15%	-14%	-15%	-12%	-16%

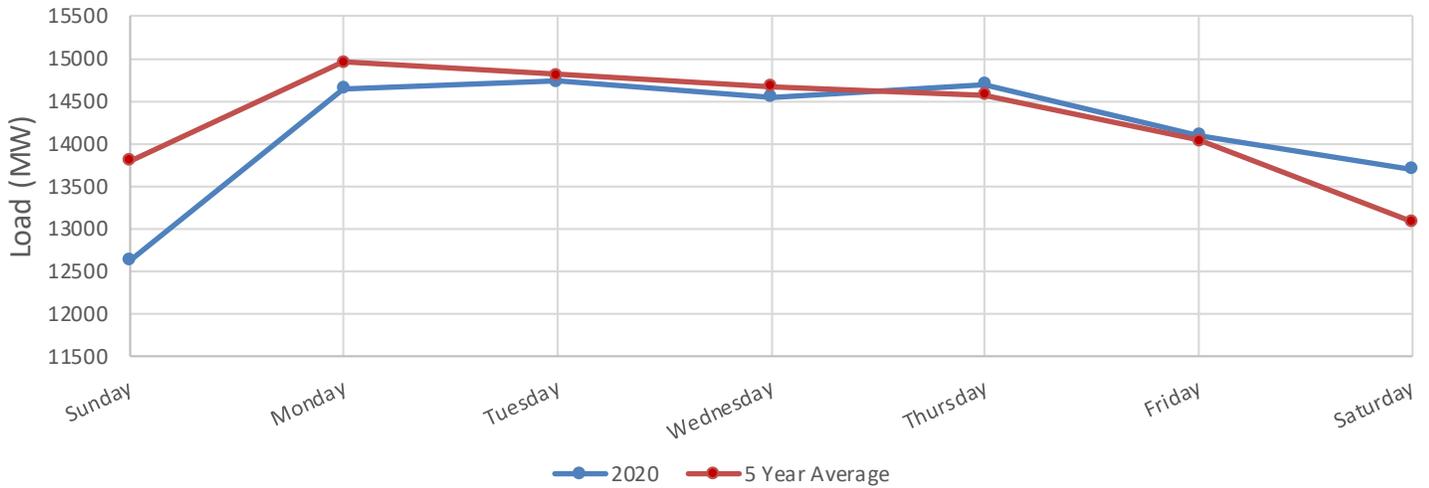
20	21	22	23	24	25	26	27	28
143738.02	149666.88	169427.79	171688.82	179937.76	172488.02	181152.04	193827.86	209388.53
168226.35	169794.78	181241.80	177769.17	188372.27	195443.93	195661.65	192908.40	198591.92
-24488.33	-20127.90	-11814.01	-6080.35	-8434.51	-22955.91	-14509.61	919.46	10796.61
-15%	-12%	-7%	-3%	-4%	-12%	-7%	0%	5%



Week 27 Tables and Charts

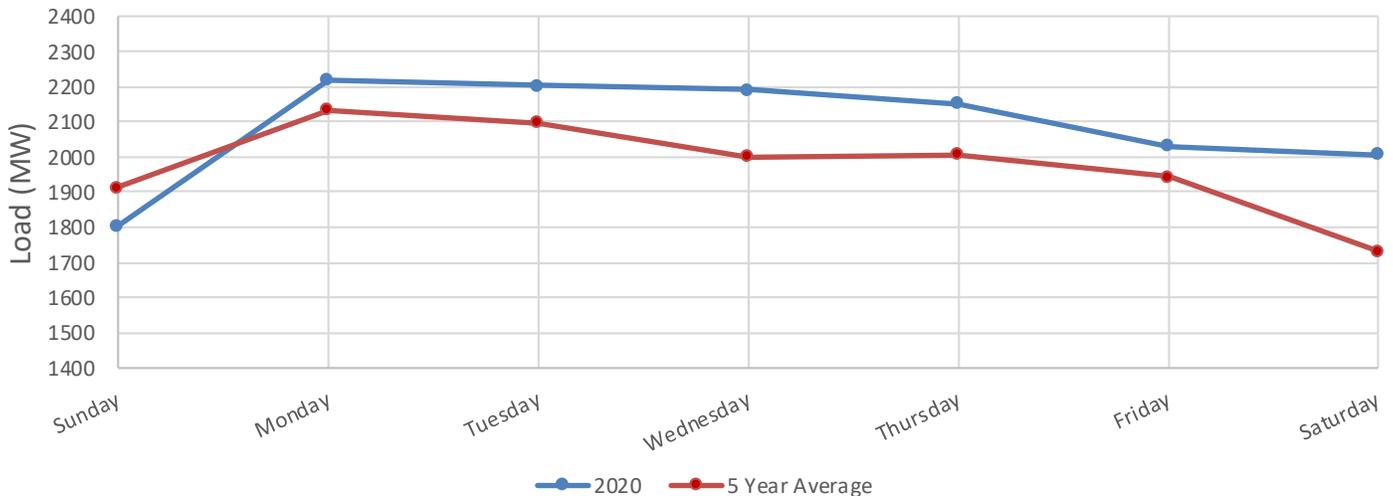
AEP	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	12625.06	14649.19	14735.6	14549.3	14695.09	14103.24	13704.73
5 Year Avg (2015-2019)	13800.53	14959.33	14809.88	14668.84	14574.35	14037.83	13079.4
Difference	-1175.48	-310.142	-74.2742	-119.541	120.7427	65.40634	625.3345
Diff %	-9%	-2%	-1%	-1%	1%	0%	5%

AEP Weather Normalized Load Data - 27th Week of 2020



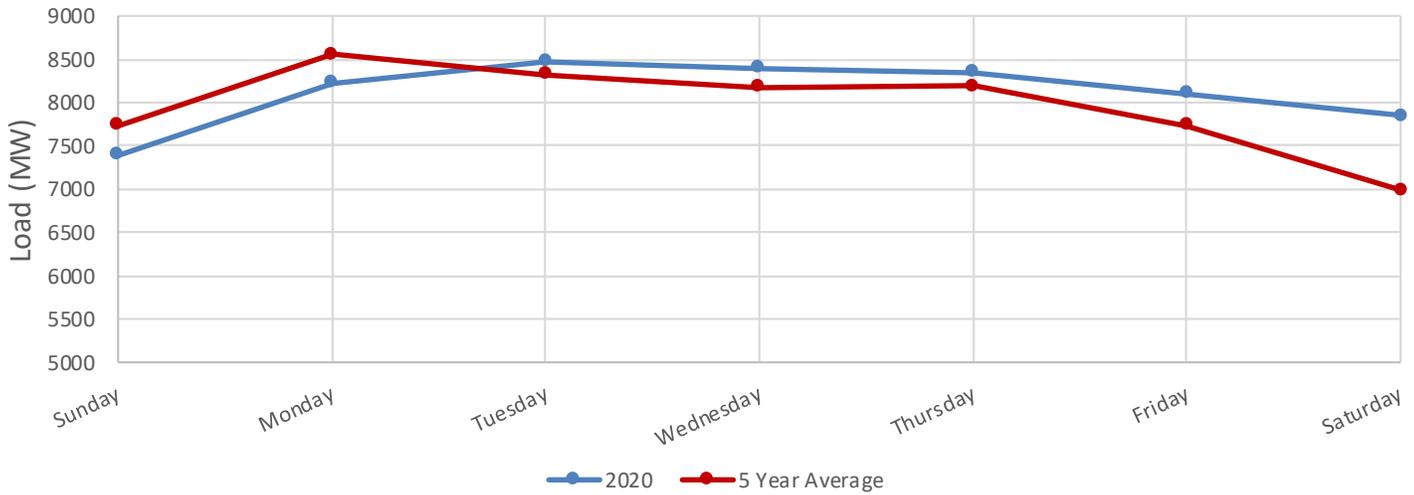
DPL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	1804.40	2218.31	2202.71	2189.38	2151.82	2032.06	2006.51
5 Year Avg (2015-2019)	1914.25	2132.28	2097.02	2001.74	2007.06	1943.04	1732.42
Difference	-109.84	86.03	105.68	187.64	144.76	89.02	274.08
Diff %	-6%	4%	5%	9%	7%	5%	16%

DPL Weather Normalized Load Data - 27th Week of 2020



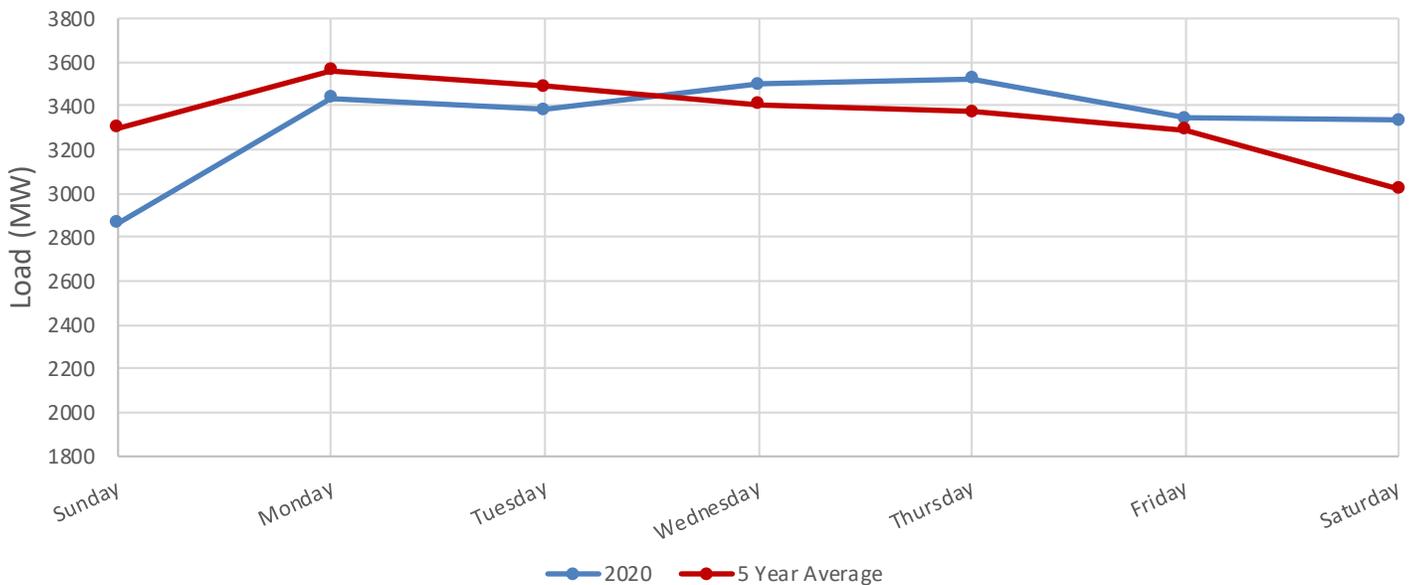
ATSI	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	7388.45	8221.25	8469.32	8399.88	8345.65	8104.12	7847.63
5 Year Avg (2015-2019)	7734.97	8559.36	8319.98	8181.73	8183.17	7738.91	6989.52
Difference	-346.52	-338.11	149.34	218.15	162.49	365.22	858.11
Diff %	-4%	-4%	2%	3%	2%	5%	12%

ATSI Weather Normalized Load Data - 27th Week of 2020



DUKE	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	2864.67	3436.22	3383.37	3499.40	3522.74	3345.22	3332.54
5 Year Avg (2015-2019)	3302.79	3559.85	3488.96	3405.40	3375.59	3288.85	3021.36
Difference	-438.12	-123.63	-105.59	93.99	147.15	56.37	311.18
Diff %	-13%	-3%	-3%	3%	4%	2%	10%

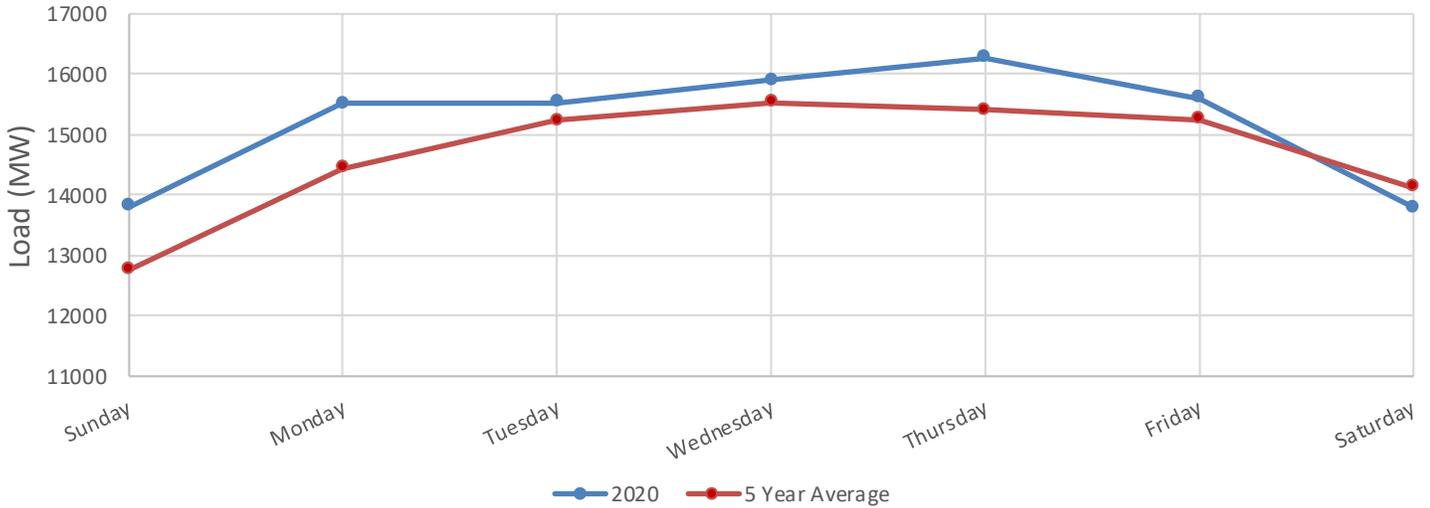
Duke Weather Normalized Load Data - 27th Week of 2020



Week 28 Tables and Charts

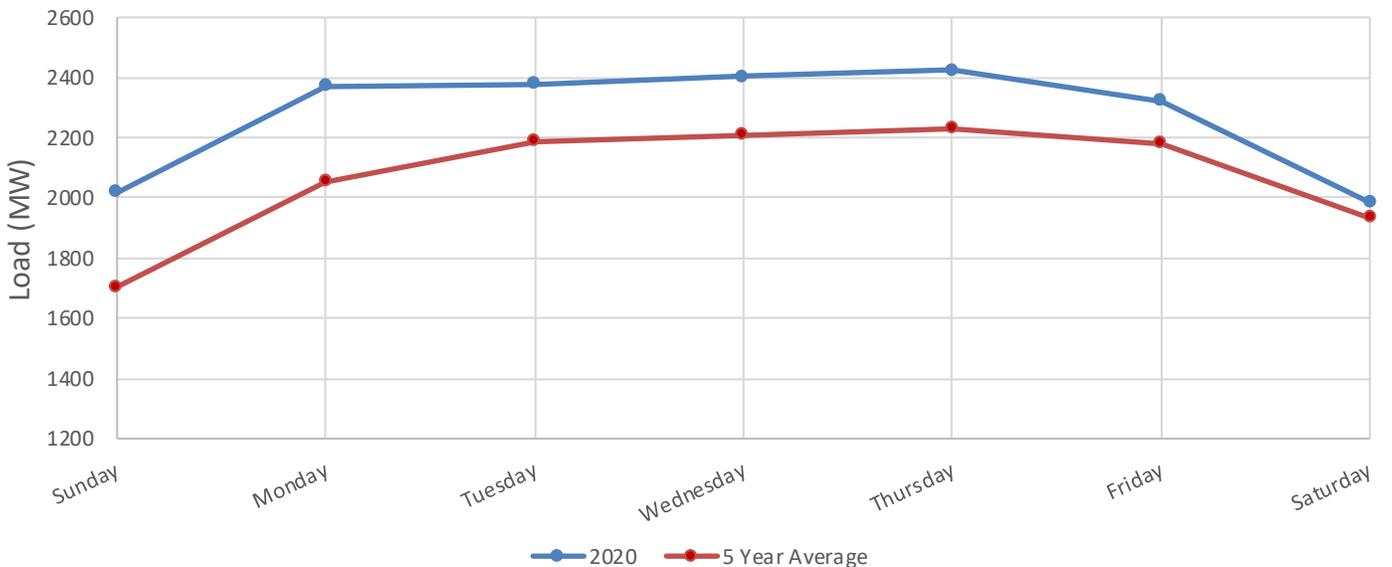
AEP	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	13801.76	15517.2	15523.16	15893.88	16265.86	15593.12	13796.87
5 Year Avg (2015-2019)	12761.45	14445.19	15231.24	15526.24	15410.35	15250.02	14117.74
Difference	1040.306	1072.002	291.9195	367.6311	855.5103	343.102	-320.87
Diff %	8%	7%	2%	2%	6%	2%	-2%

AEP Weather Normalized Load Data - 28th Week of 2020



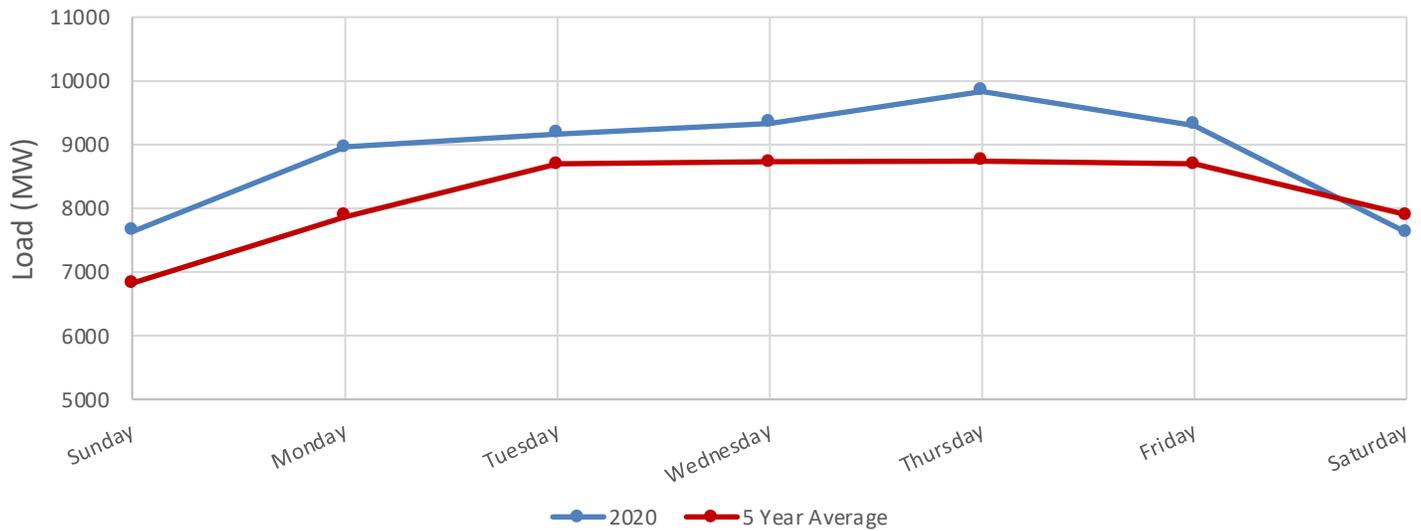
DPL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	2018.24	2372.21	2379.65	2402.70	2425.87	2321.06	1984.73
5 Year Avg (2015-2019)	1704.30	2056.00	2188.18	2208.98	2229.74	2181.20	1933.54
Difference	313.94	316.22	191.47	193.71	196.14	139.86	51.19
Diff %	18%	15%	9%	9%	9%	6%	3%

DPL Weather Normalized Load Data - 28th Week of 2020



ATSI Data	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	7636.60	8958.03	9167.28	9344.19	9833.11	9299.13	7620.12
5 Year Avg (2015-2019)	6823.75	7875.15	8687.19	8728.70	8739.24	8689.05	7891.53
Difference	812.84	1082.88	480.09	615.49	1093.87	610.08	-271.40
Diff %	12%	14%	6%	7%	13%	7%	-3%

ATSI Weather Normalized Load Data - 28th Week of 2020



DUKE	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	3437.40	3595.61	3653.10	3810.73	3788.90	3685.71	3262.31
5 Year Avg (2015-2019)	2967.34	3377.50	3559.23	3602.84	3622.34	3509.72	3274.16
Difference	470.05	218.11	93.86	207.89	166.57	175.99	-11.85
Diff %	16%	6%	3%	6%	5%	5%	0%

Duke Weather Normalized Load Data - 28th Week of 2020

