

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

Weekly Report of COVID-19 Impacts by Electric Transmission Zone

July 30, 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.

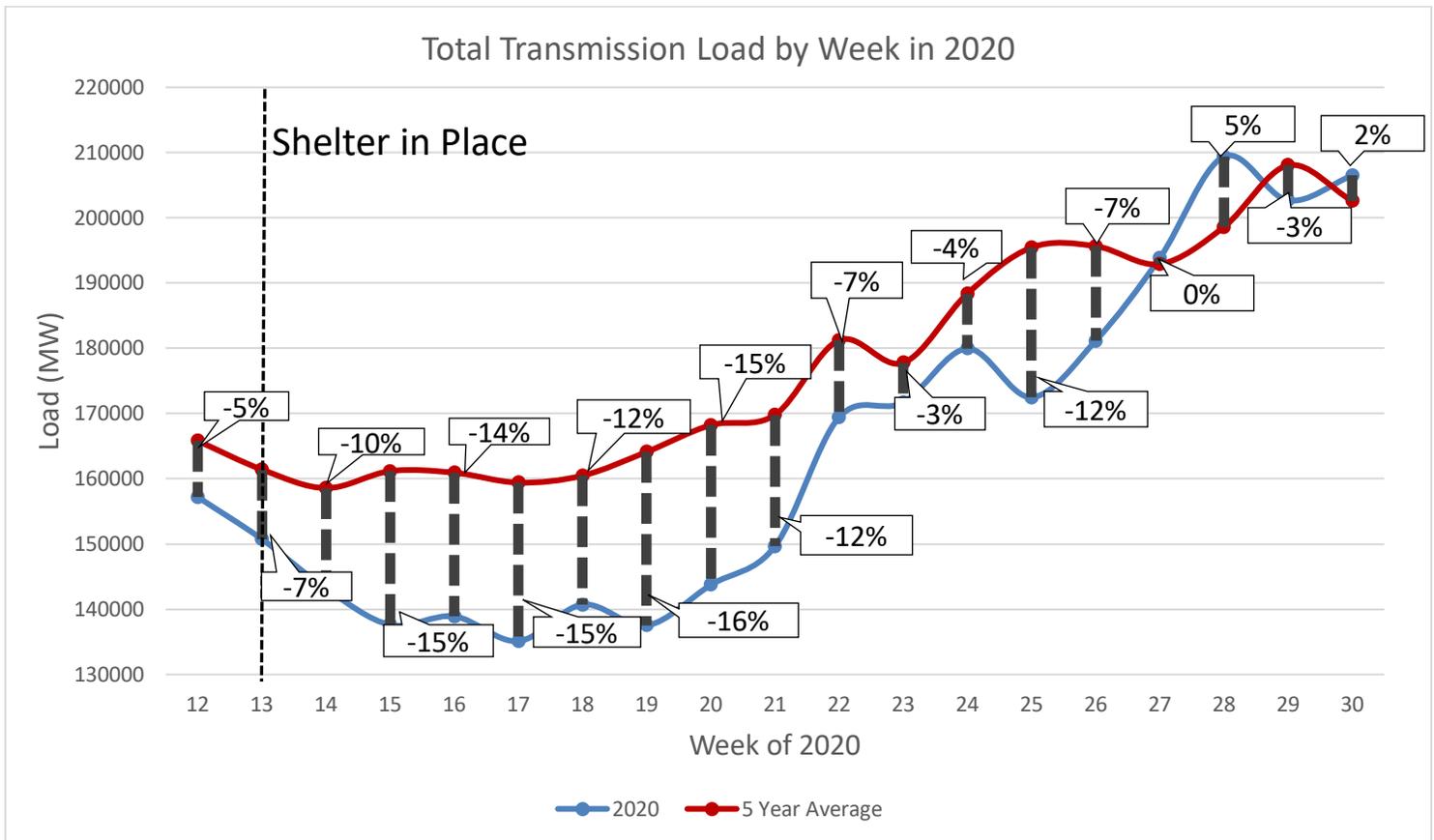
This weekly briefing report is for the 29th week (For 2020 that is July 12– July 18) and 30th week of 2020 (For 2020 that is July 19 – July 25). An analysis of this week demonstrates the impact of COVID-19 spread prevention tactics in energy consumption. **The 28th week the load difference versus the five-year average was around +5 percent; for the 29th week the reduction is around -3 percent. For the 30th week the difference is around +2 percent.** The difference between the five-year average and 2020 total transmission loads is 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

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

19	20	21	22	23	24	25	26
137512.40	143738.02	149666.88	169427.79	171688.82	179937.76	172488.02	181152.04
164116.79	168226.35	169794.78	181241.80	177769.17	188372.27	195443.93	195661.65
-26604.38	-24488.33	-20127.90	-11814.01	-6080.35	-8434.51	-22955.91	-14509.61
-16%	-15%	-12%	-7%	-3%	-4%	-12%	-7%

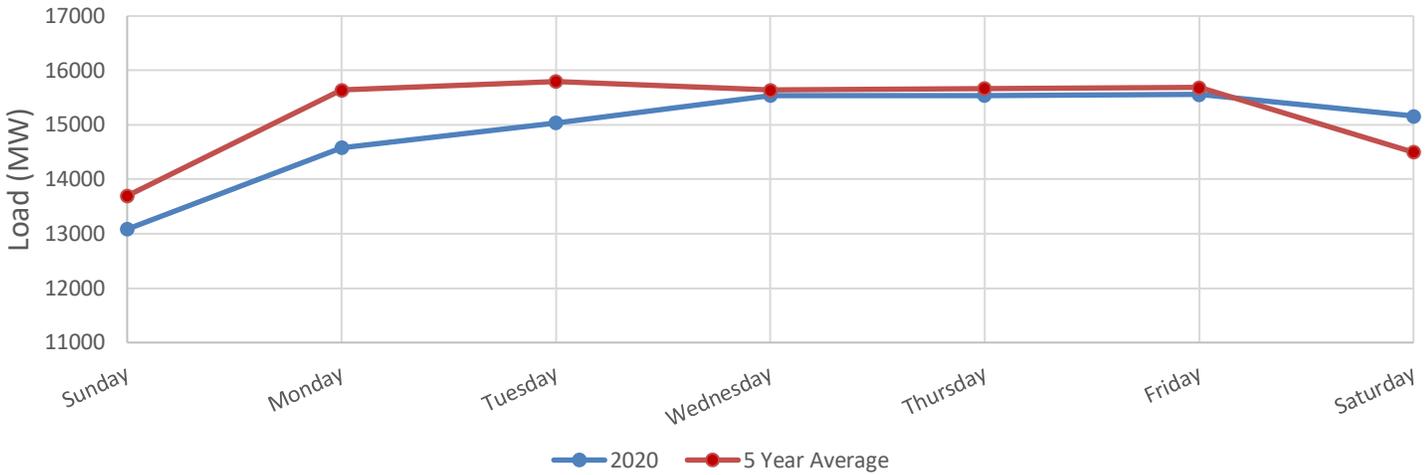
27	28	29	30
193827.86	209388.53	202676.14	206483.84
192908.40	198591.92	208035.51	202587.16
919.46	10796.61	-5359.36	3896.67
0%	5%	-3%	2%



Week 29 Tables and Charts

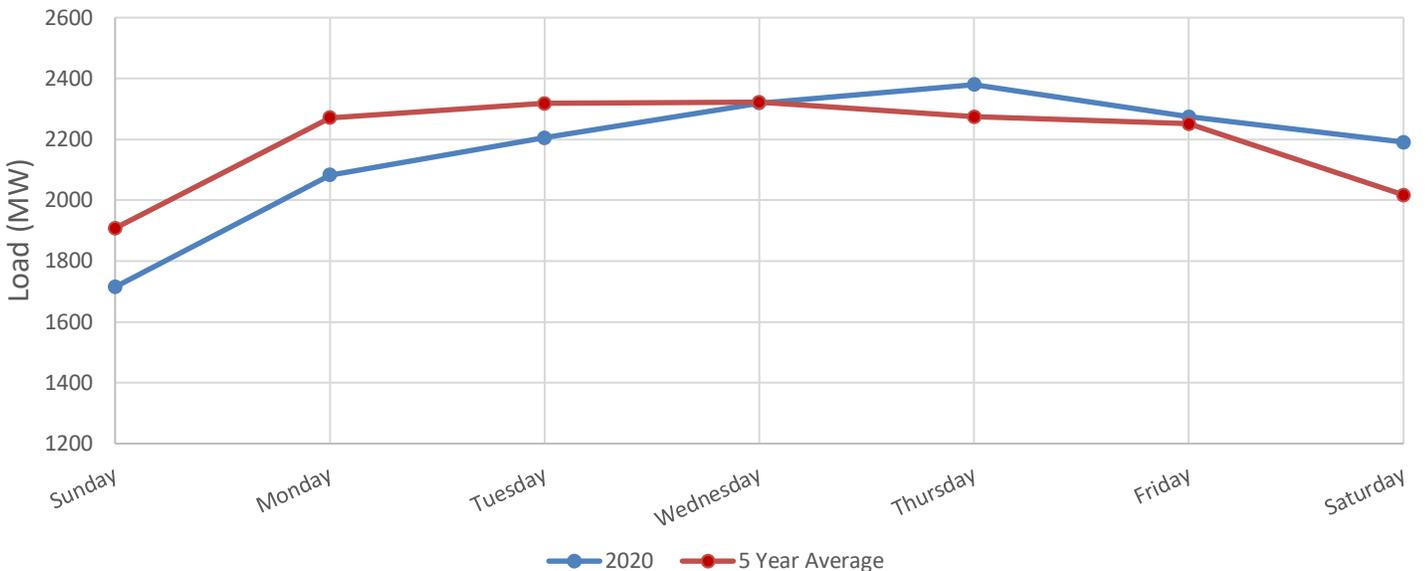
AEP	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	13083.33	14580.34	15038.25	15542.84	15541.03	15560.2	15161.21
5 Year Avg (2015-2019)	13695.37	15638.32	15795.88	15640.43	15665.92	15685.39	14496.73
Difference	-612.039	-1057.98	-757.631	-97.581	-124.883	-125.189	664.4808
Diff %	-4%	-7%	-5%	-1%	-1%	-1%	5%

AEP Weather Normalized Load Data - 29th Week of 2020



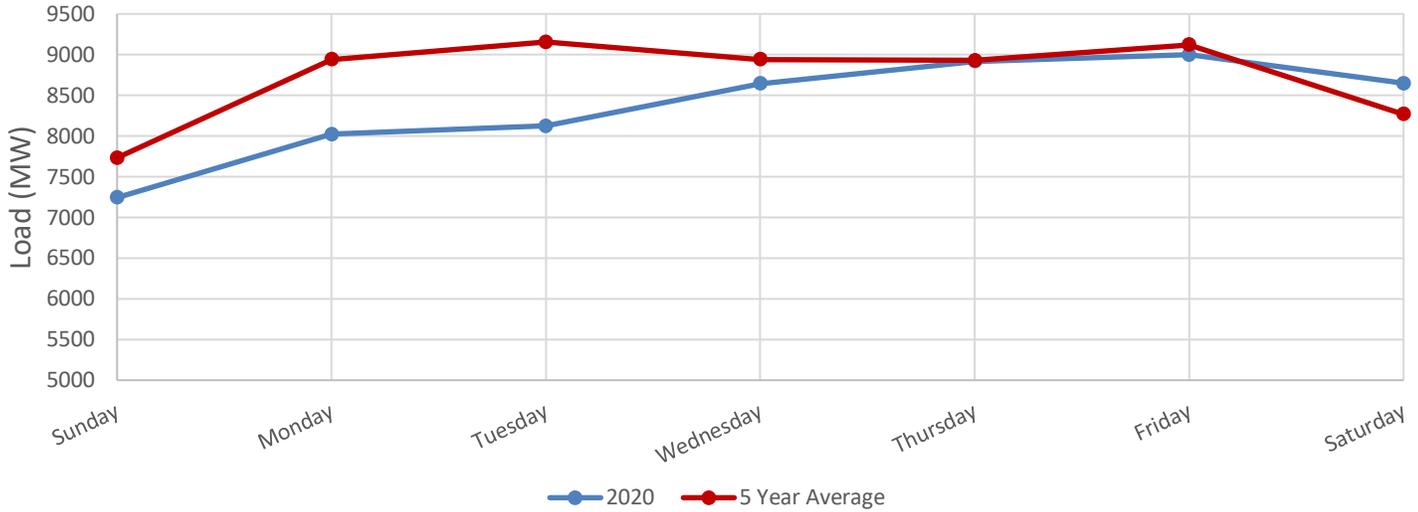
DPL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	1714.66	2083.09	2204.92	2319.28	2379.63	2273.58	2190.85
5 Year Avg (2015-2019)	1907.96	2271.01	2318.28	2322.17	2273.90	2250.67	2016.29
Difference	-193.30	-187.92	-113.37	-2.89	105.73	22.91	174.56
Diff %	-10%	-8%	-5%	0%	5%	1%	9%

DPL Weather Normalized Load Data - 29th Week of 2020



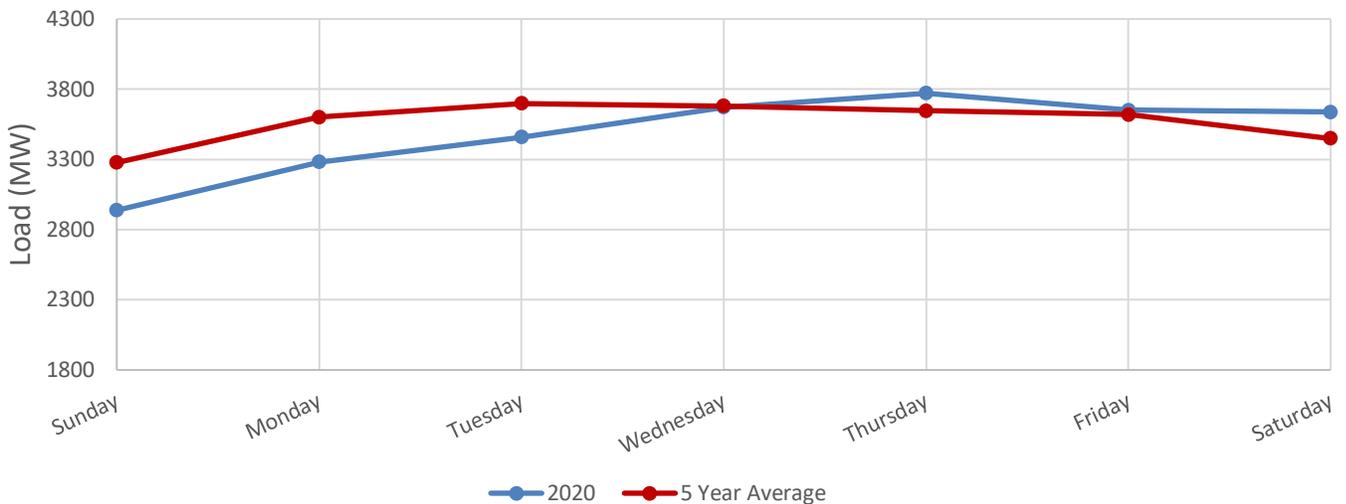
ATSI	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	7243.32	8022.52	8124.72	8643.27	8916.15	8999.53	8647.14
5 Year Avg (2015-2019)	7732.37	8939.82	9155.22	8942.12	8927.21	9121.07	8268.34
Difference	-489.05	-917.30	-1030.50	-298.85	-11.06	-121.54	378.79
Diff %	-6%	-10%	-11%	-3%	0%	-1%	5%

ATSI Weather Normalized Load Data - 29th Week of 2020



DUKE	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	2937.21	3281.17	3457.88	3671.22	3770.60	3650.77	3637.43
5 Year Avg (2015-2019)	3276.78	3601.38	3697.08	3680.94	3647.09	3619.65	3448.13
Difference	-339.56	-320.20	-239.20	-9.72	123.51	31.13	189.30
Diff %	-10%	-9%	-6%	0%	3%	1%	5%

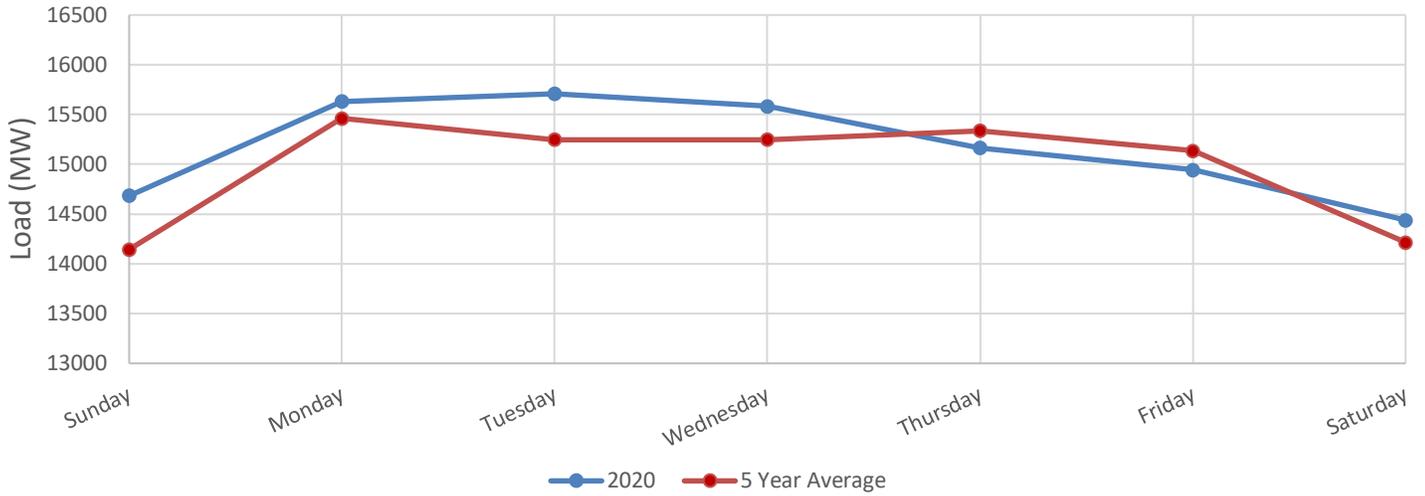
Duke Weather Normalized Load Data - 29th Week of 2020



Week 30 Tables and Charts

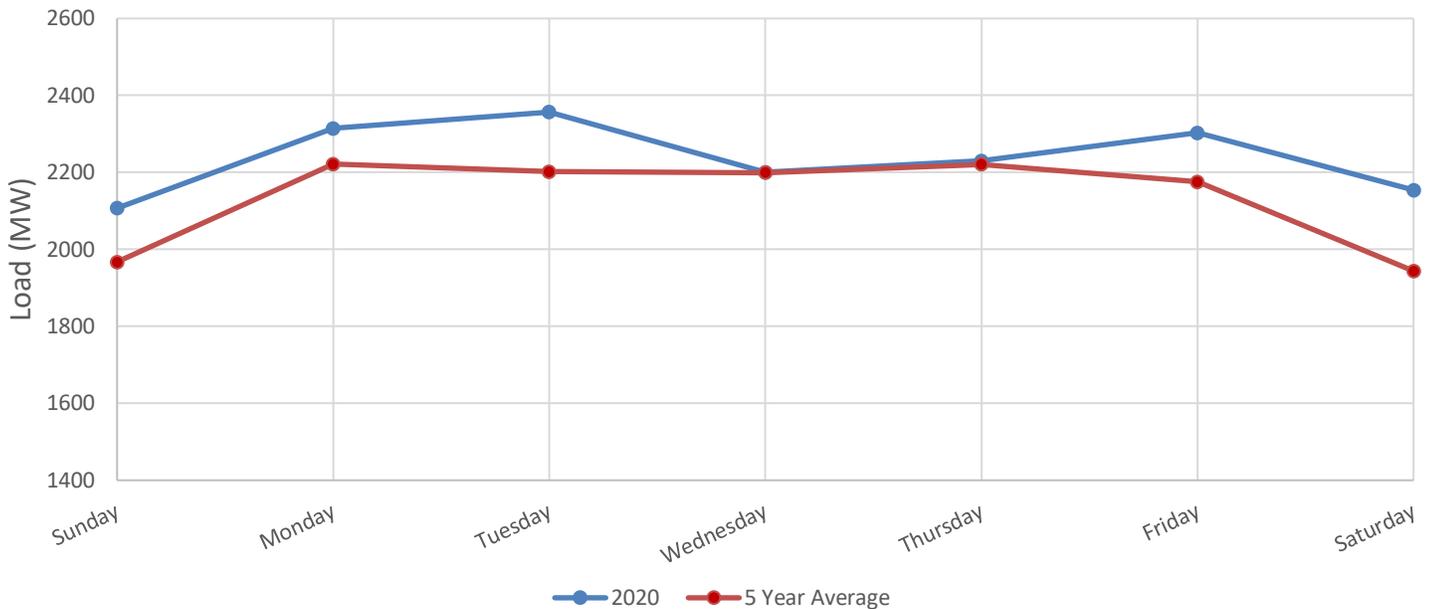
AEP	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	14683.98	15631.5	15708.31	15584.34	15163.27	14943.13	14439.74
5 Year Avg (2015-2019)	14144.86	15461.98	15248.7	15246.32	15336.34	15136.88	14213.91
Difference	539.1173	169.5182	459.609	338.0153	-173.061	-193.75	225.827
Diff %	4%	1%	3%	2%	-1%	-1%	2%

AEP Weather Normalized Load Data - 30th Week of 2020



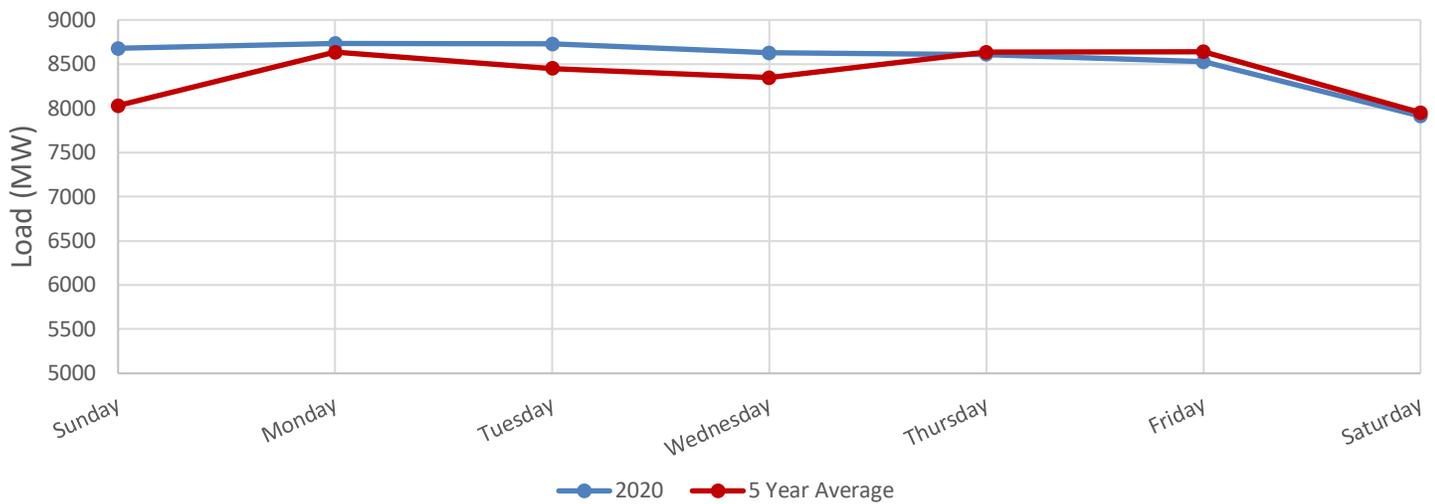
DPL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	2107.19	2314.58	2356.74	2200.20	2229.87	2302.41	2154.24
5 Year Avg (2015-2019)	1967.03	2221.80	2201.56	2199.49	2221.33	2175.53	1943.93
Difference	140.16	92.78	155.18	0.70	8.55	126.88	210.31
Diff %	7%	4%	7%	0%	0%	6%	11%

DPL Weather Normalized Load Data - 30th Week of 2020



ATSI	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	8676.52	8733.54	8728.21	8626.80	8608.75	8525.56	7912.14
5 Year Avg (2015-2019)	8029.61	8635.51	8452.19	8347.81	8633.09	8639.65	7951.11
Difference	646.91	98.03	276.01	278.99	-24.34	-114.10	-38.97
Diff %	8%	1%	3%	3%	0%	-1%	0%

ATSI Weather Normalized Load Data - 30th Week of 2020



DUKE	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	3580.09	3733.09	3827.51	3413.21	3447.29	3504.02	3347.61
5 Year Avg (2015-2019)	3353.70	3511.63	3458.14	3486.76	3566.66	3515.88	3285.74
Difference	226.39	221.45	369.37	-73.56	-119.38	-11.86	61.87
Diff %	7%	6%	11%	-2%	-3%	0%	2%

Duke Weather Normalized Load Data - 30th Week of 2020

