

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

Weekly Report of COVID-19 Impacts by Electric Transmission Zone

September 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 38th week (For 2020 that is September 13 – September 19). An analysis of this week demonstrates the impact of COVID-19 spread prevention tactics in energy consumption. The 37th week the load reduction versus the five-year average was around -5 percent. **For the 38th week the reduction is around -14 percent.** The five-year average and 2020 total transmission loads are not statistically significant, however there appears to be some volatility that deserves continued monitoring.

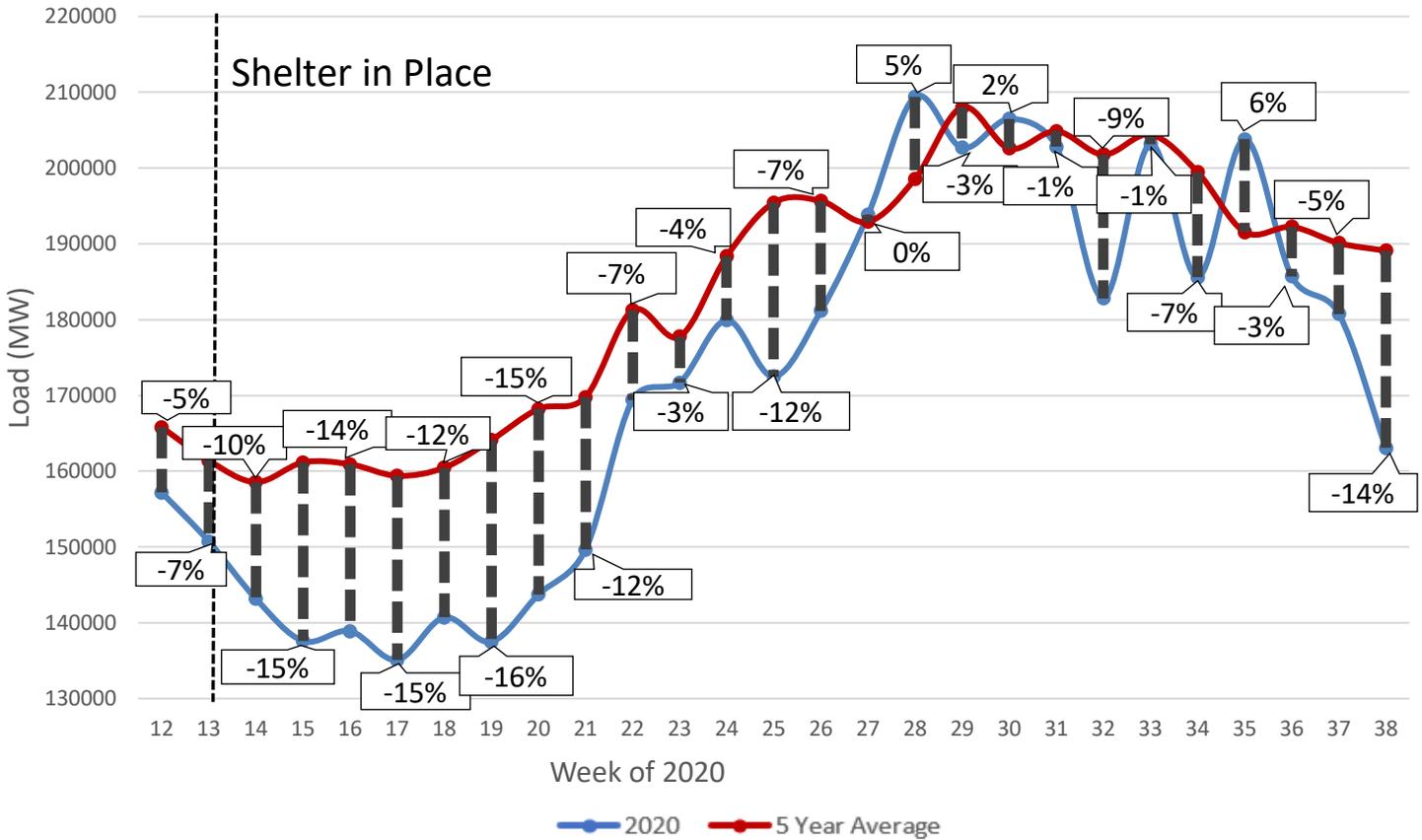
Please see the graphs provided on the subsequent pages for further detail.

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	29
143738.02	149666.88	169427.79	171688.82	179937.76	172488.02	181152.04	193827.86	209388.53	202676.14
168226.35	169794.78	181241.80	177769.17	188372.27	195443.93	195661.65	192908.40	198591.92	208035.51
-24488.33	-20127.90	-11814.01	-6080.35	-8434.51	-22955.91	-14509.61	919.46	10796.61	-5359.36
-15%	-12%	-7%	-3%	-4%	-12%	-7%	0%	5%	-3%

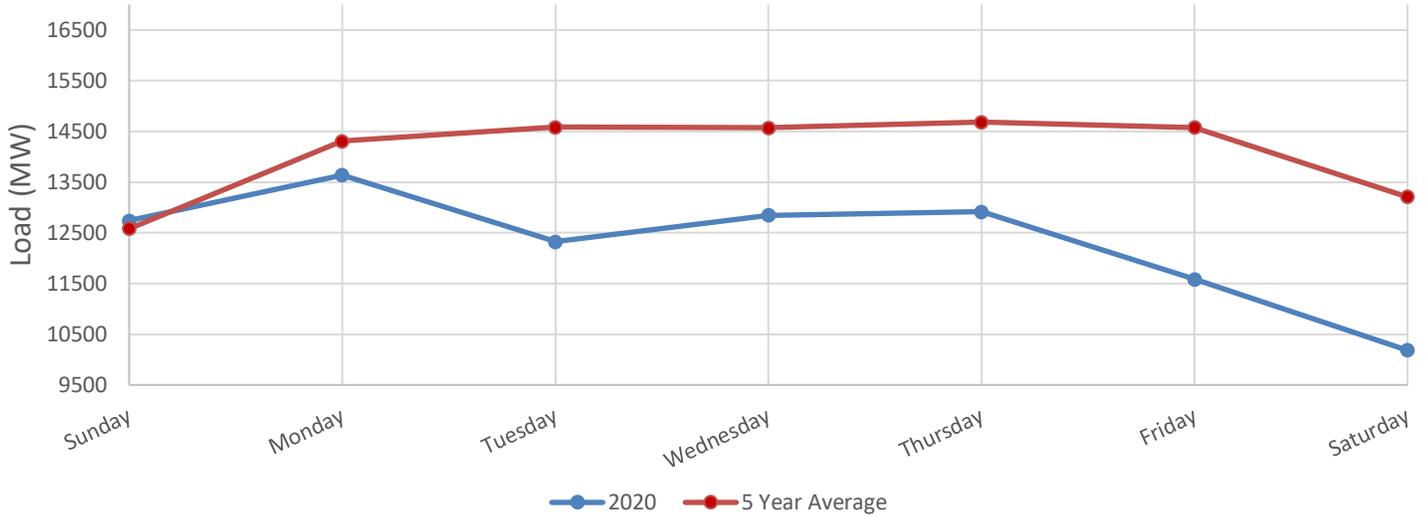
30	31	32	33	34	35	36	37	38
206483.84	202824.58	182834.06	203177	185584.6	203801.74	185712.43	180767.82	163066.62
202587.16	204867.97	201784.67	204416.7	199465.9	191564.89	192240.32	190101.40	189092.51
3896.67	-2043.39	-18950.61	-1239.67	-13881.2	12236.855	-6527.89	-9333.58	-26025.89
2%	-1%	-9%	-1%	-7%	6%	-3%	-5%	-14%

Total Transmission Load by Week in 2020



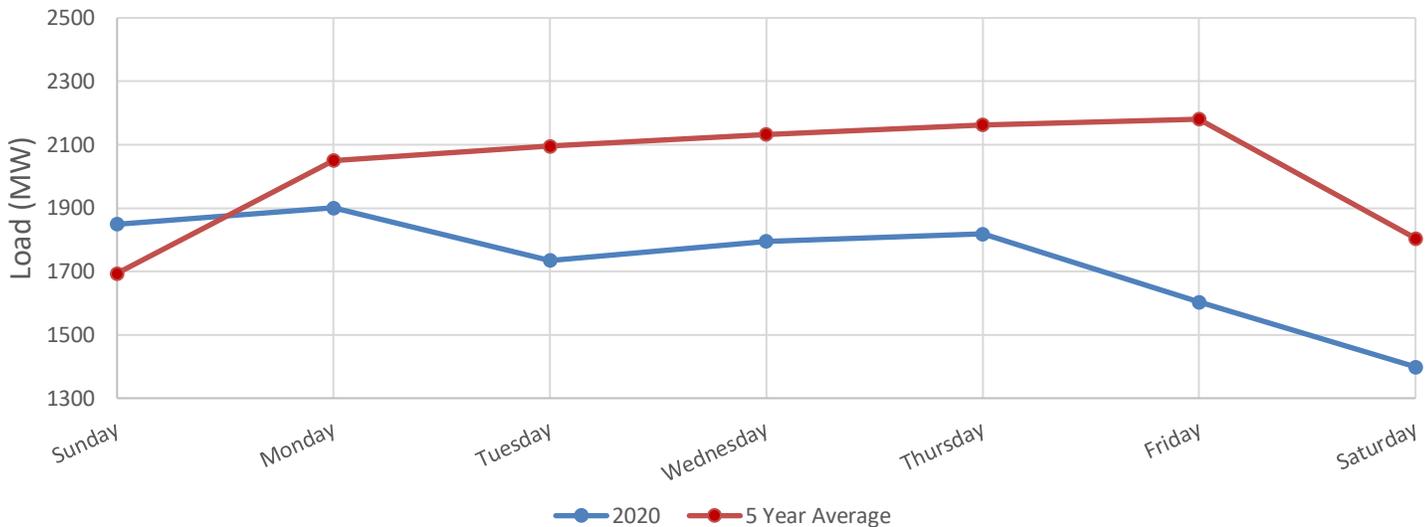
AEP	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	12736.54	13637.57	12321.9	12846.2	12917.69	11586.11	10182.08
5 Year Avg (2015-2019)	12580.63	14305.12	14584.15	14573.9	14685.14	14581.2	13212.37
Difference	155.9121	-667.554	-2262.25	-1727.7	-1767.45	-2995.09	-3030.29
Diff %	1%	-5%	-16%	-12%	-12%	-21%	-23%

AEP Weather Normalized Load Data - 38th Week of 2020



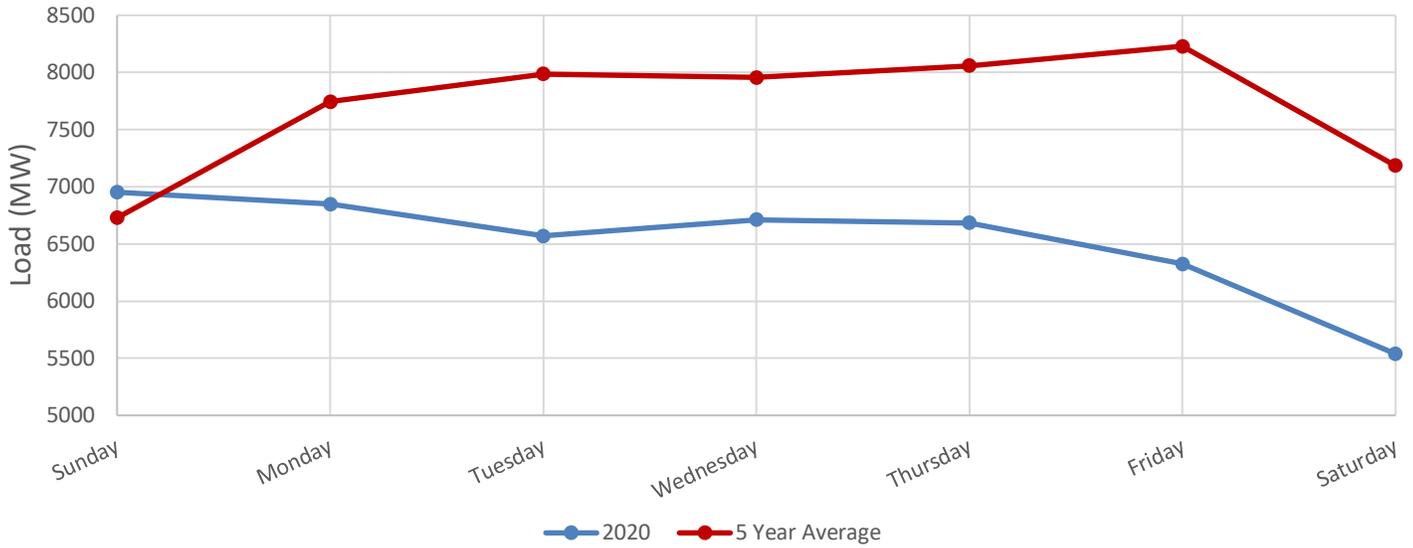
DPL	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	1849.41	1901.06	1735.15	1795.18	1818.39	1603.74	1398.93
5 Year Avg (2015-2019)	1694.15	2050.38	2095.28	2132.97	2162.38	2180.47	1803.97
Difference	155.25	-149.33	-360.13	-337.79	-343.99	-576.73	-405.04
Diff %	9%	-7%	-17%	-16%	-16%	-26%	-22%

DPL Weather Normalized Load Data - 38th Week of 2020



ATSI	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	6951.92	6846.51	6568.75	6710.31	6682.42	6325.87	5537.83
5 Year Avg (2015-2019)	6728.37	7745.15	7986.34	7954.86	8057.19	8229.42	7185.05
Difference	223.56	-898.63	-1417.59	-1244.55	-1374.77	-1903.55	-1647.22
Diff %	3%	-12%	-18%	-16%	-17%	-23%	-23%

ATSI Weather Normalized Load Data - 38th Week of 2020



DUKE	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2020	3058.72	2991.50	2641.70	2756.50	2876.46	2567.89	2220.29
5 Year Avg (2015-2019)	2832.86	3182.68	3262.95	3355.66	3445.41	3448.72	3035.74
Difference	225.86	-191.19	-621.25	-599.17	-568.95	-880.83	-815.45
Diff %	8%	-6%	-19%	-18%	-17%	-26%	-27%

Duke Weather Normalized Load Data - 38th Week of 2020

