

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

**Weekly Report of COVID-19 Impacts by Electric Transmission Zone**

May 28, 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.

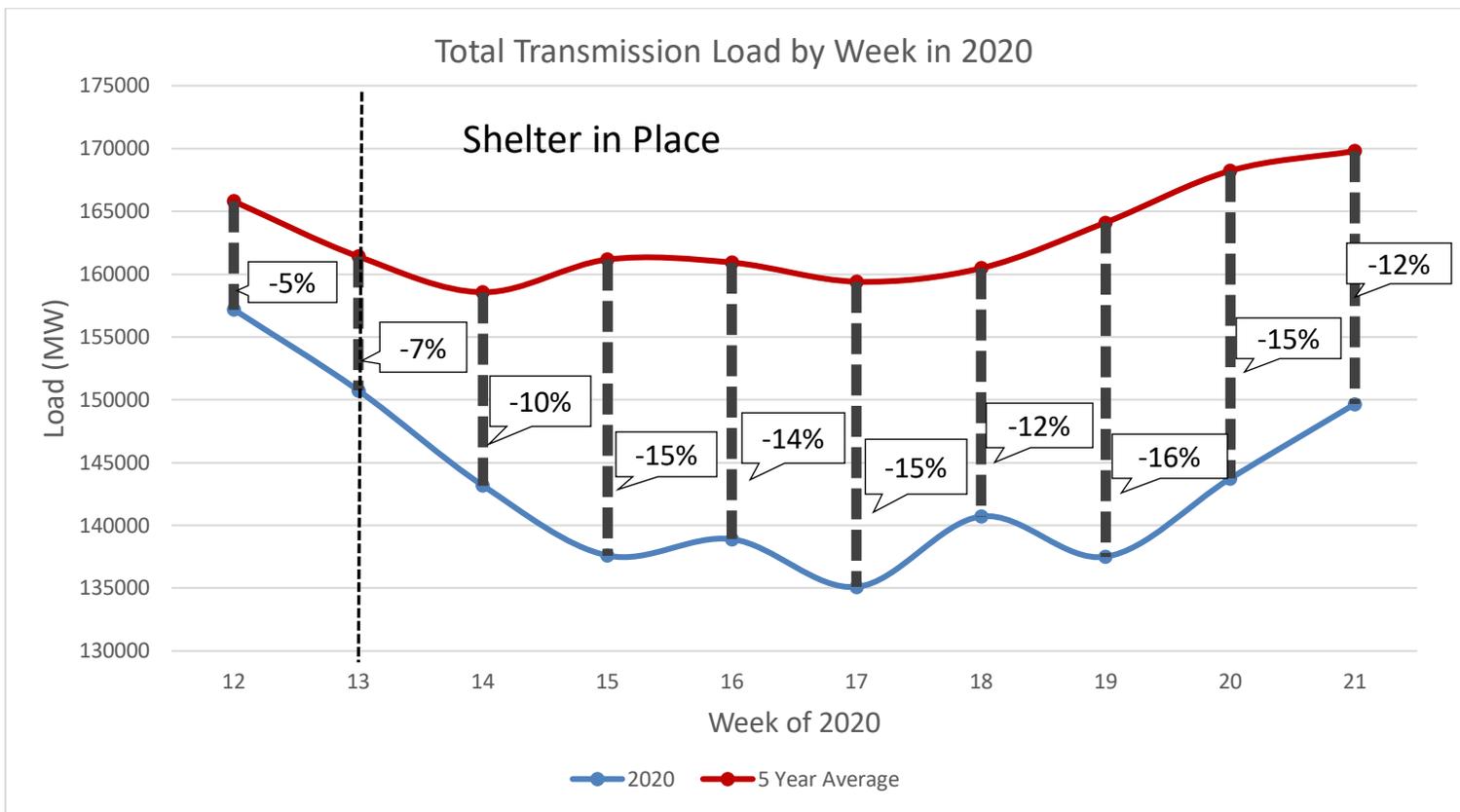
In order to properly evaluate load differences per year, Staff removed weather effects from the data as well as aligning days to properly have weekdays only compared with other weekdays. Staff intends to continue a weekly analysis that captures every week since the COVID-19 pandemic was declared up to 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 21<sup>st</sup> week of 2020 (For 2020 that is May 17 – May 23). An analysis of this week demonstrates the impact of COVID-19 spread prevention tactics in energy consumption. **Last week the load reduction versus the 5-year average was around 15 percent; this week the reduction is around 12 percent. Additionally, the five-year trend demonstrates a growth in electricity demand during the 21<sup>st</sup> week of the year.** There is some growth due to annual economic activity occurring in the 2020 data. Staff will continue monitoring to see if the 2020 increases represent a “return to normal” with the reopening of some elements of the states economy. The differences in the data between the historical trend and the current are statistically significant. It is expected this year over year decrease in electric transmission load will continue in future weeks.

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

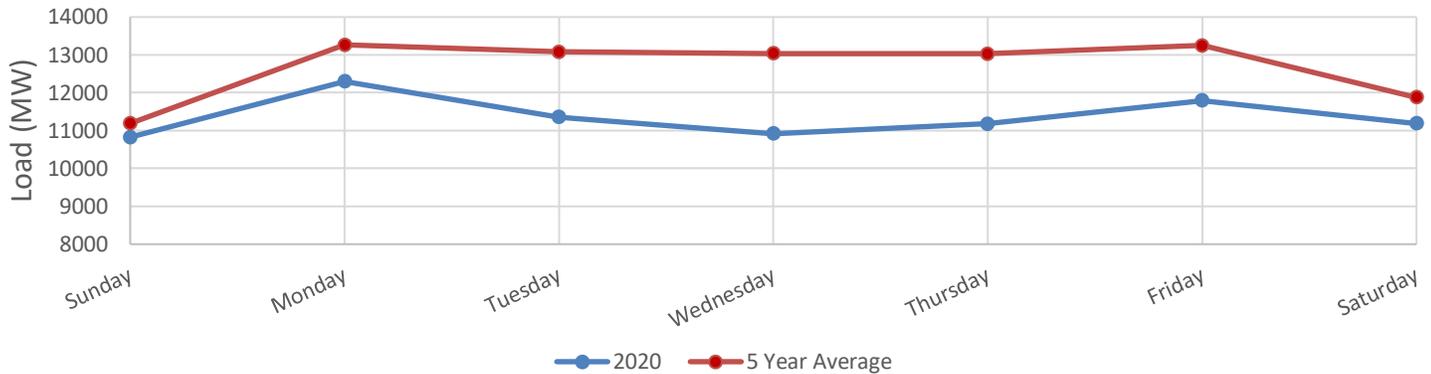
Cumulative Data	12	13	14	15	16
<b>2020</b>	157189.59	150743.53	143172.17	137607.27	138906.36
<b>5 Year Average (2015-2019)</b>	165798.79	161409.94	158563.01	161167.92	165798.79
<b>Diff #</b>	-8609.20	-10666.41	-15390.85	-23560.65	-22020.26
<b>Diff %</b>	-5%	-7%	-10%	-15%	-14%

Cumulative Data	17	18	19	20	21
<b>2020</b>	135110.31	140714.36	137512.40	143738.02	149666.88
<b>5 Year Average (2015-2019)</b>	159402.73	160477.10	164116.79	168226.35	169794.78
<b>Diff #</b>	-24292.43	-19762.73	-26604.38	-24488.33	-20127.90
<b>Diff %</b>	-15%	-12%	-16%	-15%	-12%



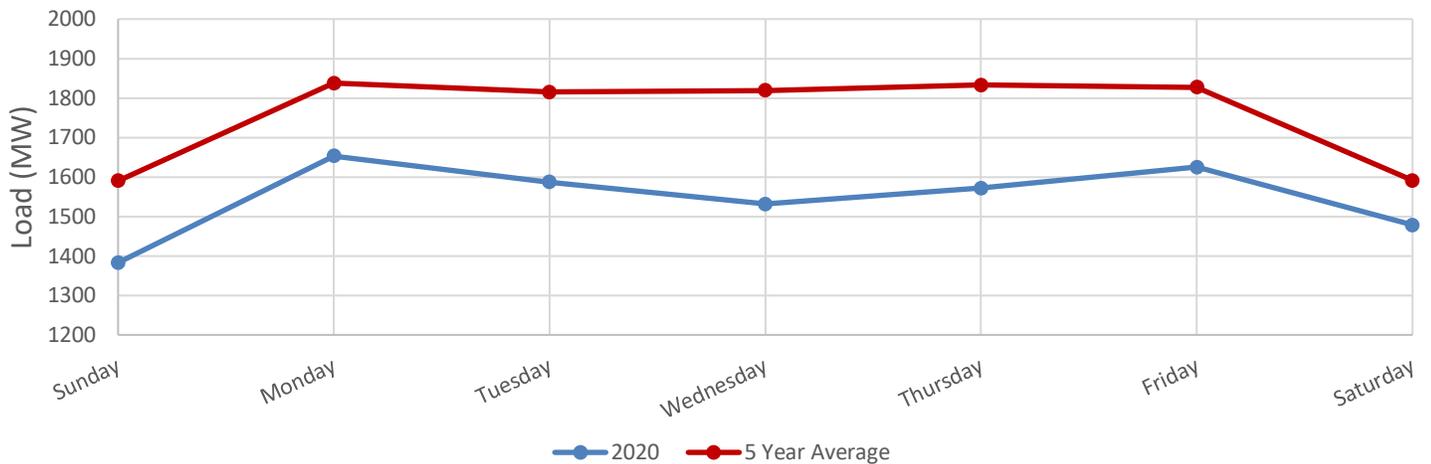
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	10827.01	12296.99	11354.54	10916.46	11178.1	11793.82	11190.57
<b>5 Year Avg (2015-2019)</b>	11190.09	13266.26	13076.54	13040.67	13028.75	13249.67	11879.38
<b>Difference</b>	-363.076	-969.27	-1722	-2124.21	-1850.65	-1455.85	-688.807
<b>Diff %</b>	-3%	-7%	-13%	-16%	-14%	-11%	-6%

AEP Weather Normalized Load Data - 21st Week of Year  
(May 17, 2020 - May 23, 2020)



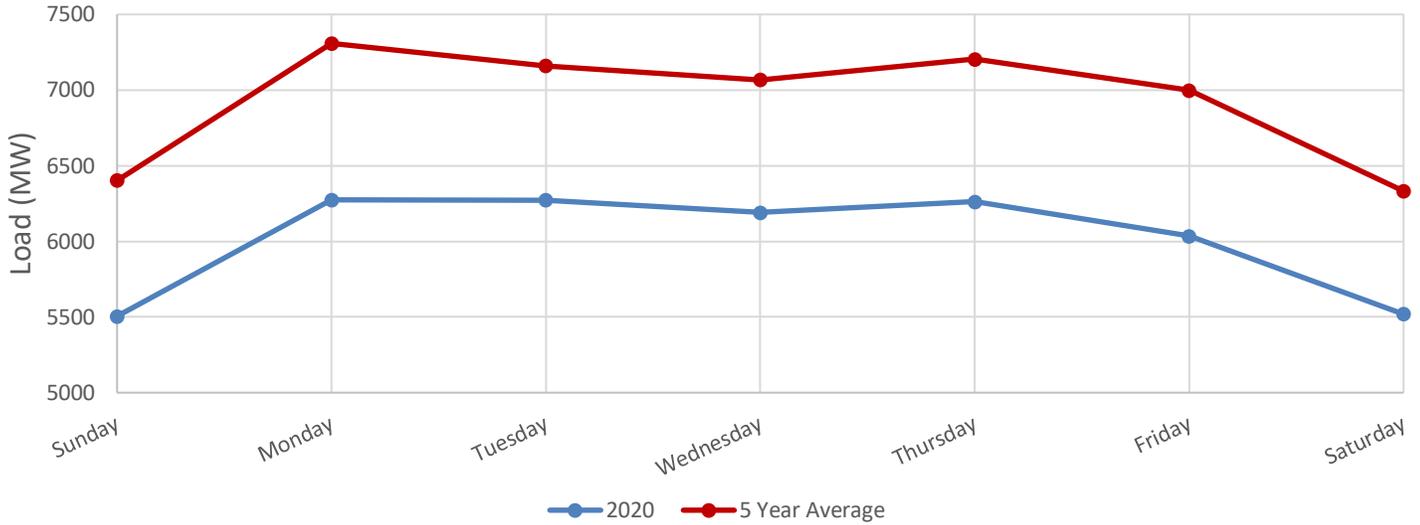
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	1382.97	1652.79	1586.87	1531.61	1571.91	1625.31	1478.57
<b>5 Year Avg (2015-2019)</b>	1590.15	1837.88	1815.01	1819.07	1833.17	1826.92	1591.38
<b>Difference</b>	-207.18	-185.10	-228.15	-287.46	-261.26	-201.61	-112.81
<b>Diff %</b>	-13%	-10%	-13%	-16%	-14%	-11%	-7%

DPL Weather Normalized Load Data - 21st Week of Year  
(May 17, 2020 - May 23, 2020)



	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	5505.56	6274.49	6273.73	6190.35	6261.53	6035.65	5519.07
<b>5 Year Avg (2015-2019)</b>	6403.38	7308.60	7160.23	7067.76	7204.00	6998.41	6332.38
<b>Difference</b>	-897.82	-1034.11	-886.50	-877.41	-942.46	-962.76	-813.31
<b>Diff %</b>	-14%	-14%	-12%	-12%	-13%	-14%	-13%

Atsi Weather Normalized Load Data - 21st Week of 2020



	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	2427.13	2550.46	2460.03	2414.74	2441.57	2446.47	2478.57
<b>5 Year Avg (2015-2019)</b>	2804.15	2992.73	2902.75	2870.61	2881.60	2979.22	2844.01
<b>Difference</b>	-377.03	-442.27	-442.72	-455.87	-440.02	-532.75	-365.44
<b>Diff %</b>	-13%	-15%	-15%	-16%	-15%	-18%	-13%

Duke Weather Normalized Load Data - 21st Week of 2020

