

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

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

April 8, 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.

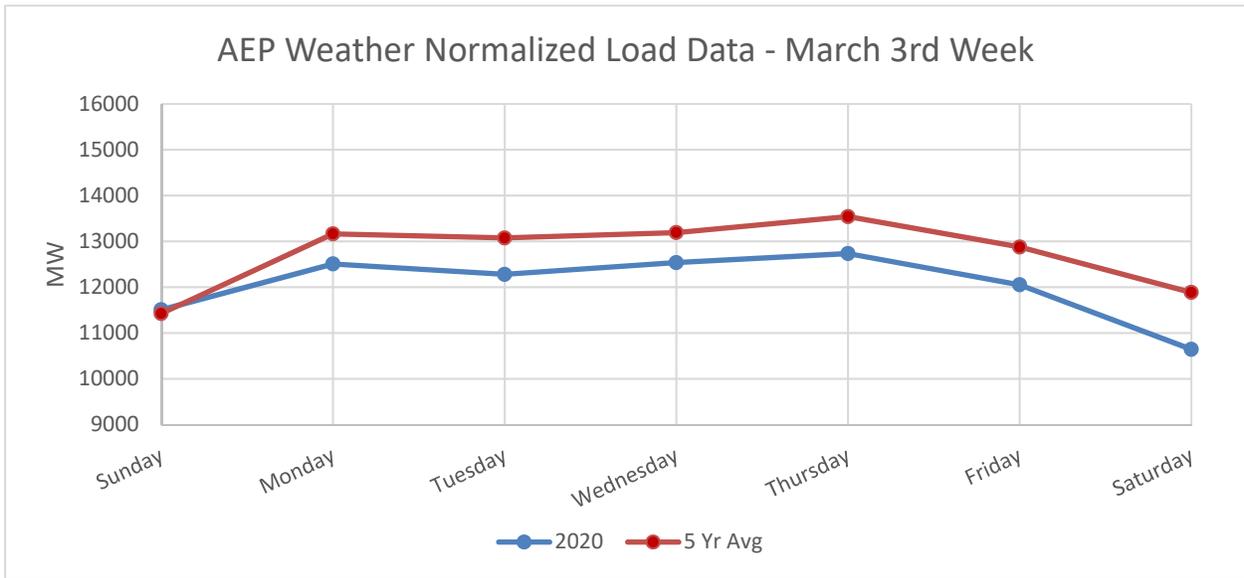
In order to properly evaluate load differences per year, staff removed weather effects from the data as well as aligning days to properly have weekdays only compared with other weekdays. Staff attempted to use a forecasted load to compare to the 2020 load; however, the data is too noisy to reliably use any forecast for such a short-term forecast; in addition, the growth rate is marginal at best.

The Office of the Federal Energy Advocate 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, in future reports staff will use labels for the week of the year (e.g. this report will be described as 12<sup>th</sup> week of the year instead of 3<sup>rd</sup> week of March). Additionally, the report for the 15<sup>th</sup> week of the year will include graphs for cumulative weekly analysis.

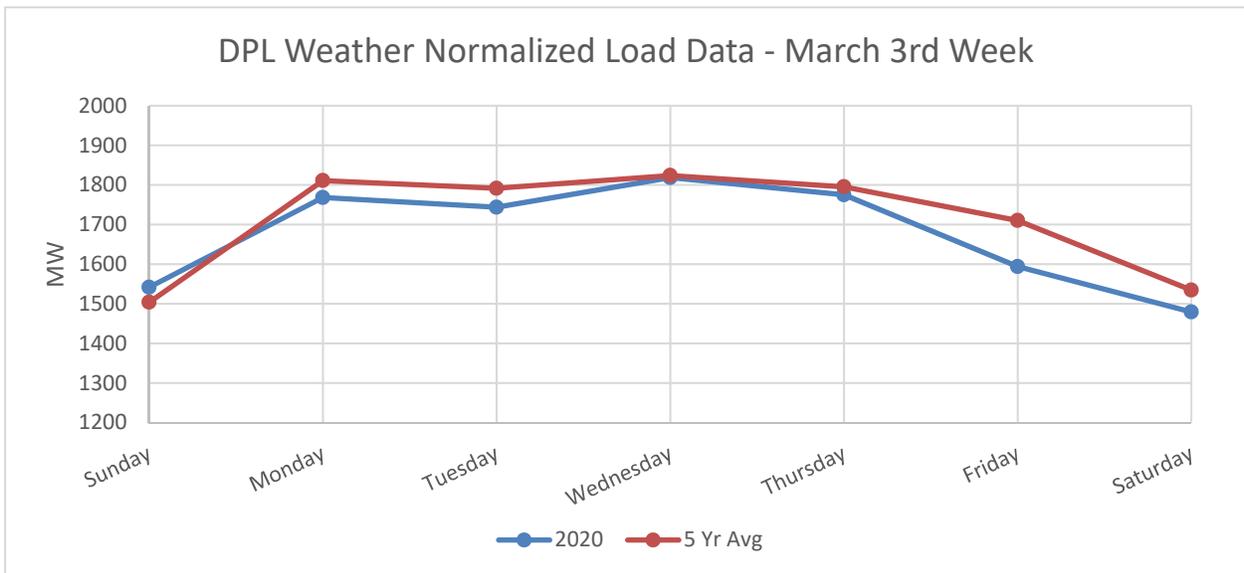
This weekly briefing report is for the 3<sup>rd</sup> week of March (For 2020 that is March 15-21). This week should demonstrate very small if any load reactions due to social distancing strategies still beginning to be officially implemented statewide around the time of the 3<sup>rd</sup> week of March. As seen in the data, there is a slight non-trivial decrease in load. Trivial decreases in load are within the confidence interval; this is due perhaps to industrial customer economics impacts or due to energy efficiency by electric consuming devices. Little evidence exists yet to suggest that during the third week of March electric demand or load is suppressed from virus related responses.

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

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	11507.73	12507.26	12281.25	12538.08	12734.29	12052.54	10643.55
<b>5 Year Avg (2015-2019)</b>	11424.71	13165.21	13075.54	13191.99	13541.68	12877.62	11885.5
<b>Difference</b>	83.01545	-657.947	-794.292	-653.903	-807.393	-825.076	-1241.96
<b>Diff %</b>	1%	-5%	-6%	-5%	-6%	-6%	-10%

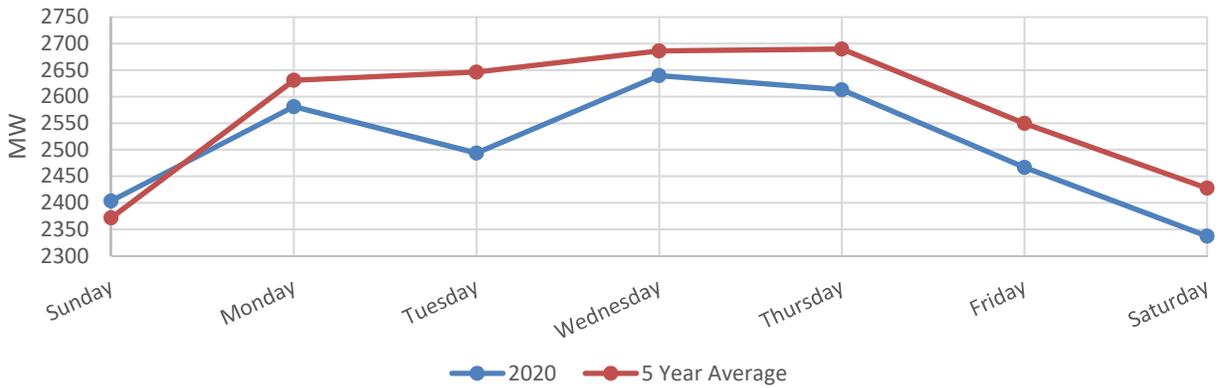


	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	1541.589	1768.083	1743.547	1818.301	1774.896	1593.809	1479.225
<b>5 Year Avg (2015-2019)</b>	1503.548	1810.869	1791.441	1823.661	1795.147	1710.034	1534.284
<b>Difference</b>	38.04052	-42.7856	-47.8945	-5.36012	-20.2512	-116.225	-55.0586
<b>Diff %</b>	3%	-2%	-3%	0%	-1%	-7%	-4%



	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	2403.403	2581.217	2493.784	2639.659	2613.056	2466.703	2337.127
<b>5 Year Avg (2015-2019)</b>	2371.521	2630.832	2646.369	2686.177	2689.763	2549.688	2427.636
<b>Difference</b>	31.882	-49.615	-152.585	-46.518	-76.707	-82.984	-90.509
<b>Diff %</b>	1.34%	-1.89%	-5.77%	-1.73%	-2.85%	-3.25%	-3.73%

Duke Weather Normalized Load Data - March 3rd Week



	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>2020</b>	6146.801	7047.678	6933.277	7030.850	7006.339	6518.399	6325.043
<b>5 Year Avg (2015-2019)</b>	6448.931	7351.351	7333.394	7333.509	7325.363	7108.239	6474.584
<b>Difference</b>	-302.13	-303.673	-400.117	-302.659	-319.024	-589.84	-149.54
<b>Diff %</b>	-4.68%	-4.13%	-5.46%	-4.13%	-4.36%	-8.30%	-2.31%

ATSI Weather Normalized Load Data - March 3rd Week

