

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

Weekly Report of COVID-19 Impacts by Electric Transmission Zone

May 21, 2020

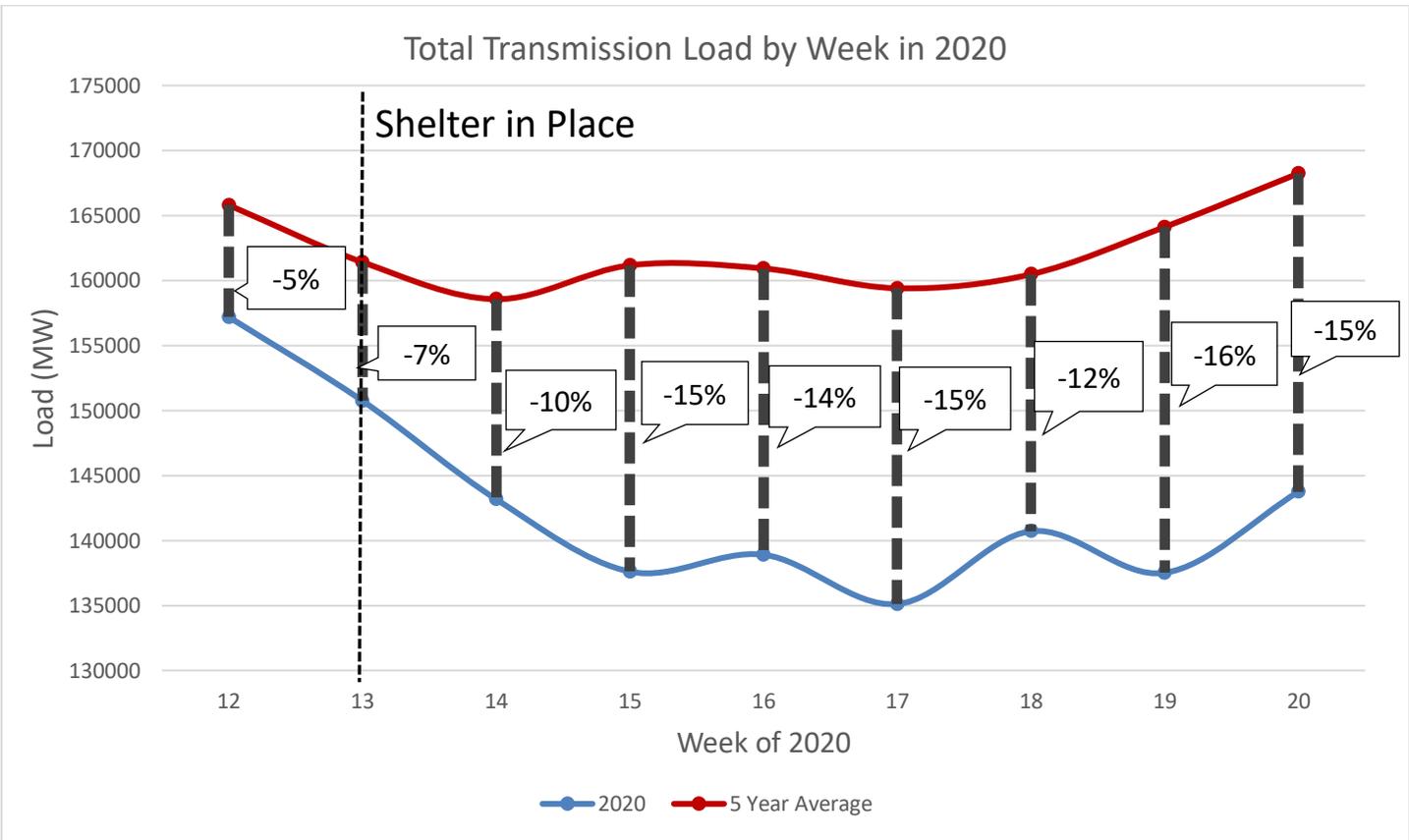
The Public Utilities Commission of Ohio's (PUCO) Office of the Federal Energy Advocate is producing this special report due to a current COVID-19 pandemic event which is drastically affecting all facets of life in the USA. Specifically, this report analyzes the load differences for electric transmission 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 20th week of the year (For 2020 that is May 10 – May 16). 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 16 percent; this week the reduction is around 12 percent.** Additionally, the five-year trend demonstrates a growth in electricity demand during the 20th week of the year. Electricity growth in 2020 is more stagnant than past years absent weather during week 20. 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.

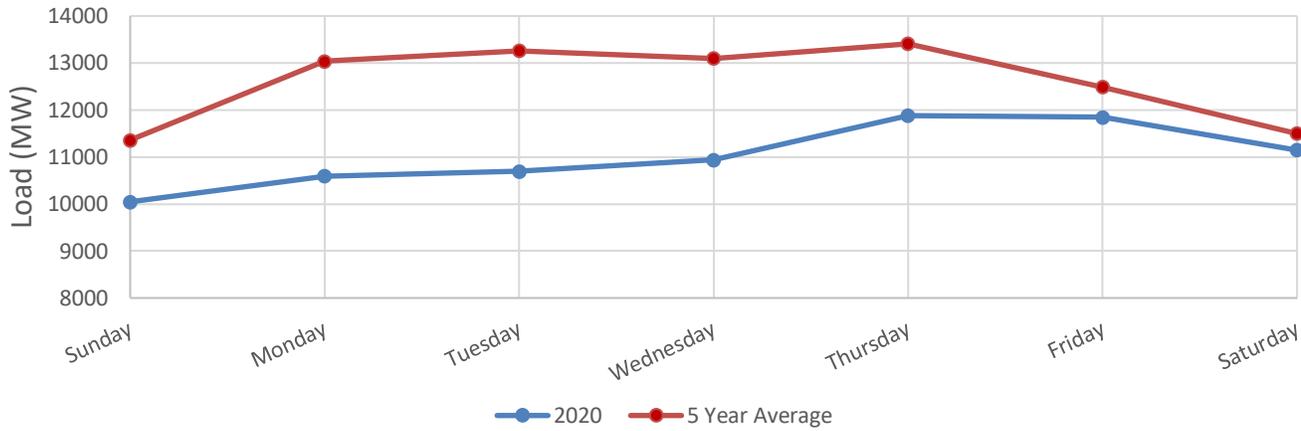
Please see the graphs provided on the subsequent pages for further detail.

| Cumulative Data | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2020 | 157189.59 | 150743.53 | 143172.17 | 137607.27 | 138906.36 | 135110.31 | 140714.36 | 137512.40 | 143738.02 |
| 5 Year Average (2015-2019) | 165798.79 | 161409.94 | 158563.01 | 161167.92 | 160926.62 | 159402.73 | 160477.10 | 164116.79 | 168226.35 |
| Diff # | -8609.20 | -10666.41 | -15390.85 | -23560.65 | -22020.26 | -24292.43 | -19762.73 | -26604.38 | -24488.33 |
| Diff % | -5% | -7% | -10% | -15% | -14% | -15% | -12% | -16% | -15% |



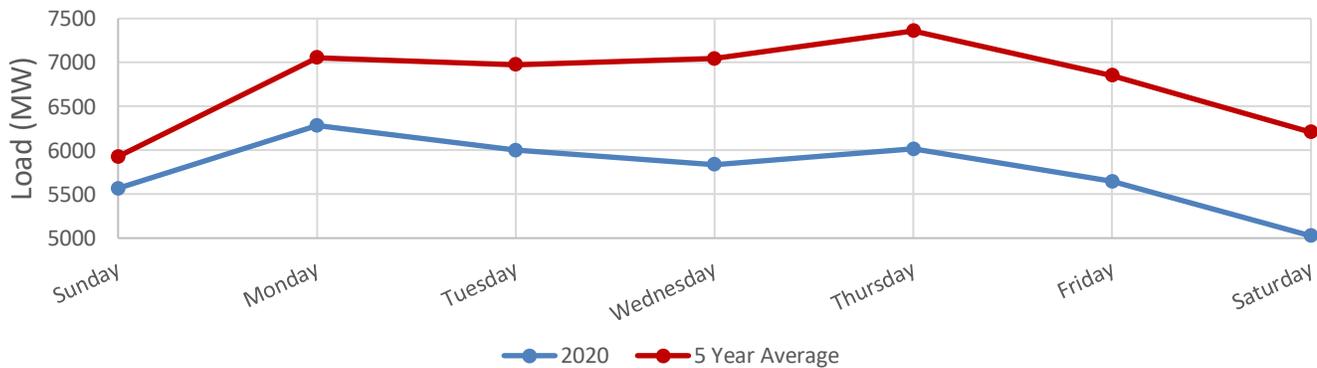
| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-------------------------------|----------|----------|----------|-----------|----------|----------|----------|
| 2020 | 10047.03 | 10594.85 | 10695 | 10940.56 | 11879.96 | 11847.33 | 11149.7 |
| 5 Year Avg (2015-2019) | 11360.85 | 13038 | 13262.18 | 13100.6 | 13407.2 | 12491.31 | 11500.54 |
| Difference | -1313.82 | -2443.15 | -2567.18 | -2160.04 | -1527.24 | -643.983 | -350.833 |
| Diff % | -12% | -19% | -19% | -16% | -11% | -5% | -3% |

AEP Weather Normalized Load Data - 20th Week of Year
(May 10, 2020 - May 16, 2020)



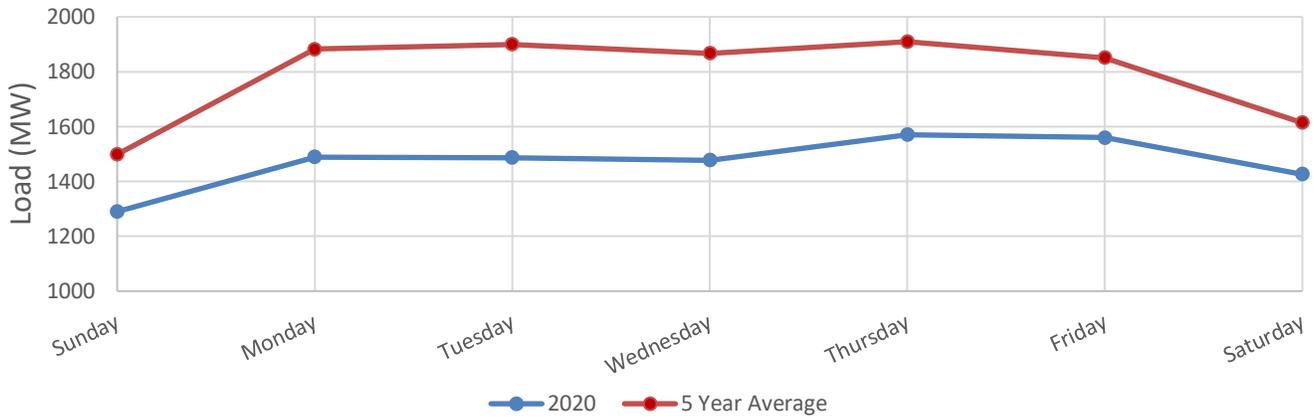
| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-------------------------------|---------|---------|---------|-----------|----------|----------|----------|
| 2020 | 5566.80 | 6282.23 | 6000.58 | 5836.96 | 6016.10 | 5644.09 | 5025.11 |
| 5 Year Avg (2015-2019) | 5929.01 | 7055.24 | 6975.38 | 7043.22 | 7359.28 | 6853.11 | 6206.66 |
| Difference | -362.20 | -773.00 | -974.79 | -1206.26 | -1343.19 | -1209.02 | -1181.55 |
| Diff % | -6% | -11% | -14% | -17% | -18% | -18% | -19% |

Atsi Weather Normalized Load Data - 20th Week of 2020
(May 10, 2020 - May 16, 2020)



| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-------------------------------|---------|---------|---------|-----------|----------|---------|----------|
| 2020 | 1289.83 | 1488.89 | 1486.52 | 1476.83 | 1569.90 | 1559.65 | 1425.96 |
| 5 Year Avg (2015-2019) | 1498.57 | 1882.05 | 1900.00 | 1867.57 | 1909.38 | 1850.87 | 1614.75 |
| Difference | -208.74 | -393.16 | -413.48 | -390.74 | -339.49 | -291.23 | -188.79 |
| Diff % | -14% | -21% | -22% | -21% | -18% | -16% | -12% |

DPL Weather Normalized Load Data - 20th Week of Year
(May 10, 2020 - May 16, 2020)



| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|-------------------------------|---------|---------|---------|-----------|----------|---------|----------|
| 2020 | 2151.52 | 2502.47 | 2322.54 | 2317.07 | 2310.94 | 2243.59 | 2066.02 |
| 5 Year Avg (2015-2019) | 2591.90 | 3010.64 | 2981.87 | 2927.62 | 2945.17 | 2941.16 | 2722.21 |
| Difference | -440.39 | -508.18 | -659.33 | -610.54 | -634.24 | -697.57 | -656.19 |
| Diff % | -17% | -17% | -22% | -21% | -22% | -24% | -24% |

Duke Weather Normalized Load Data - 20th Week of 2020
(May 10, 2020 - May 16, 2020)

