

# End of Ozone Season, Compliance with Federal Requirements, and Future Outlook

Online Input Opportunity • December 9, 2020

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# Attainment Deadlines

**2008 NAAQS Attainment Date ( $\leq 75$  ppb): No later than **July 20, 2021**  
*Serious Classification***

**2015 NAAQS Attainment Date ( $\leq 70$  ppb): No later than **August 3, 2021**  
*Marginal Classification***

**Attainment for Both Standards will be Based on 2018-2020 Ozone Monitor Data (3-Year Average of Fourth Highest Monitor Reading)**

# Federal Attainment Requirements

**Design Value = Regulatory test: 3-Year Average of Fourth Highest Value**

Five Highest Monitors	4 <sup>th</sup> Highest Value for Season			2020 Ozone Season Design Value
	2018	2019	2020	
Grapevine Fairway	82	71	77	76
Frisco	81	76	70	75
Eagle Mountain Lake	75	75	76	75
Dallas North	81	73	69	74
Cleburne	81	73	67	73

# Federal Attainment Requirements

## Conditional Regulatory Test: 1-year extension

Five Highest Monitors	4 <sup>th</sup> Highest Value for Season			2020 Ozone Season Design Value
	2018	2019	2020	
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Eagle Mountain Lake	75	75	76	75
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# Reclassification Due to Failure to Attain – Stricter Standards

## Going from Serious Classification to Severe:

**Major source threshold decreased to 25 TPY (from 50 TPY)**

**Impacts businesses that require CAA permitting for new/continued operations**

**Penalty fee program for major sources**

**Per ton penalty fee increase on major sources if the area does not meet required reductions**

**NSR Emission Offset ratio increased to 1.3:1 (from 1.2:1)**

**Low VOC reformulated gas**

**No implications, because our region has already opted in previously**

**VMT growth offset required**

**Analysis to see if more transportation control strategies are needed**

**A continued and thorough assessment of regional implications is ongoing.**

# VMT Growth Offset

**VMT Growth Offset is an additional analysis required due to the reclassification to severe category**

**This analysis assesses if existing transportation control strategies are sufficient to offset anticipated emission increases due to the VMT growth from a base year to the attainment year.**

**If these do not offset, additional transportation control strategies will be required**

**Examples: Trip Reduction Strategies such as Telecommuting, that is proving effective during the COVID-19 pandemic, and Workplace Flexibility Programs, Public Transit, Traffic Signal Improvements, Intersection Improvements and, Bike and Pedestrian Improvements**

# COVID-19 IMPACTS VS AIR QUALITY



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**Bicycle/Pedestrian (+78%, May)**

**Truck travel time reliability**

**Speed of traffic and congestion\* (+7%, May)**

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**Freeway Volumes (-19%, May)**

**Airport Passengers (~-80%, May)**

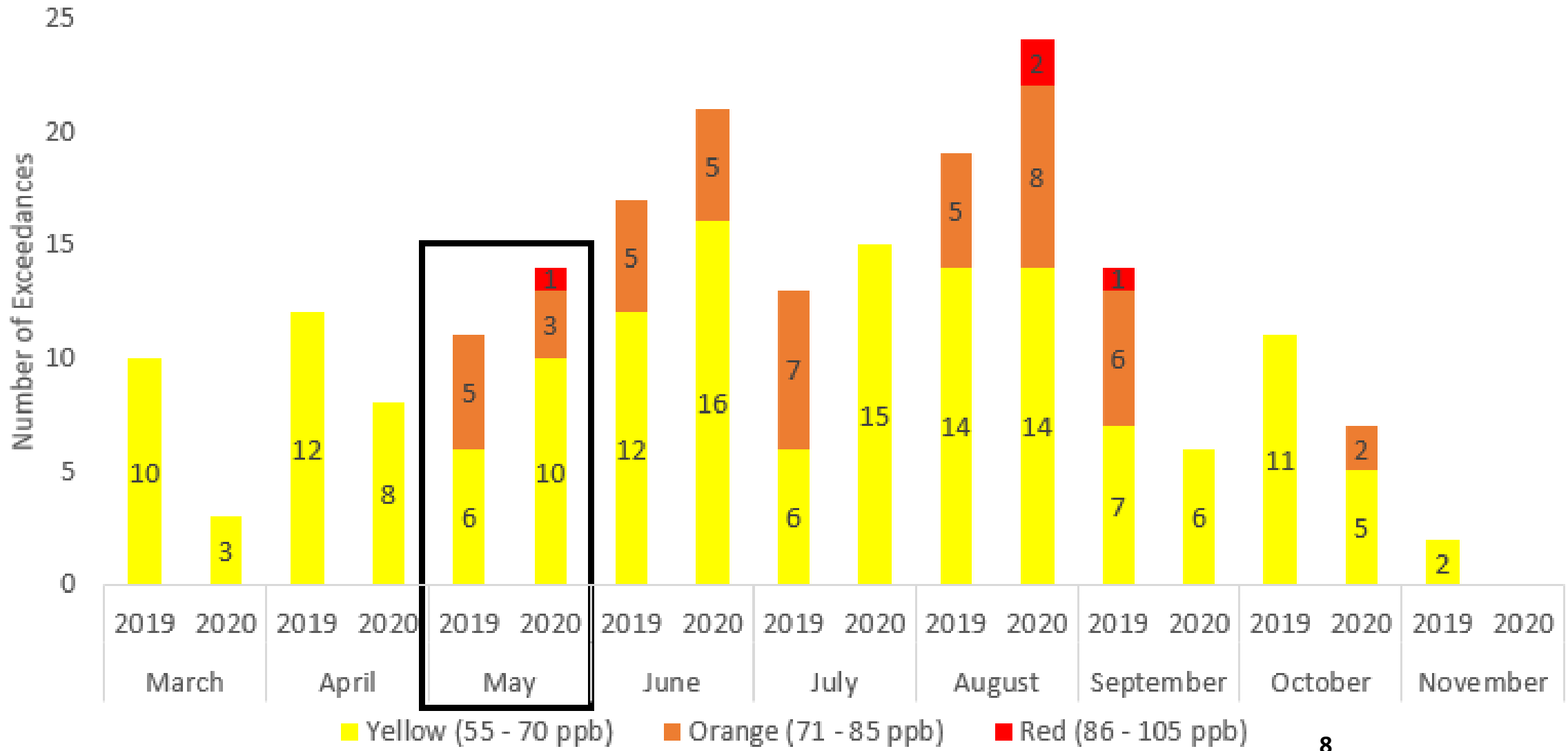
**Transit Ridership (-55%, May)**

**For more information, please see the Changing Mobility Dashboard:**

**<https://www.nctcog.org/trans/data/info/measures/transportation-trends-related-to-covid-19>**

\* indicates compared to February 2020 instead of a corresponding for a 2019 – 2020 comparison

# North Central Texas Ozone Exceedance Comparison: 2019-2020





# Ongoing and Future Investigations

**Inaccurate ozone alerts for predicted exceedances**

**Of the 30 ozone action days issued, only 7 of the forecasts were correct**

**State forecasted 72 ppb for 2020 – actual is 76 ppb**

**Impacts of background emissions**

**Nonattainment Boundaries – Multistate air quality plans**

**Comprehensive Multipollutant Interactions**

**Unexplained emission increases (May, June, and August)**

**Potential changing of NOX:VOC stoichiometric ratio**

**COVID-19 research - Transportation Review Board (TRB), TCEQ, TxDOT**

**NCTCOG is dedicated to continuing the pursuit of additional and innovative transportation and emission control strategies**

# Timeline and Milestones

**November 30, 2020 – End of 2020 ozone season**

**March 1, 2021 – Beginning of 2021 ozone season**

**Official Reclassification of both 2008 and 2015 standards to be determined**

**Compliance with VMT offsets must be determined by SIP submittal**

**2008 NAAQS Attainment Date ( $\leq 75$  ppb): No later than **July 20, 2027**  
*Severe Classification***

**2015 NAAQS Attainment Date ( $\leq 70$  ppb): No later than **August 3, 2024**  
*Moderate Classification***

# FOR MORE INFORMATION

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