

OZONE SEASON SUMMARY 2019 & 2015 OZONE NAAQS PLANNING SCENARIOS

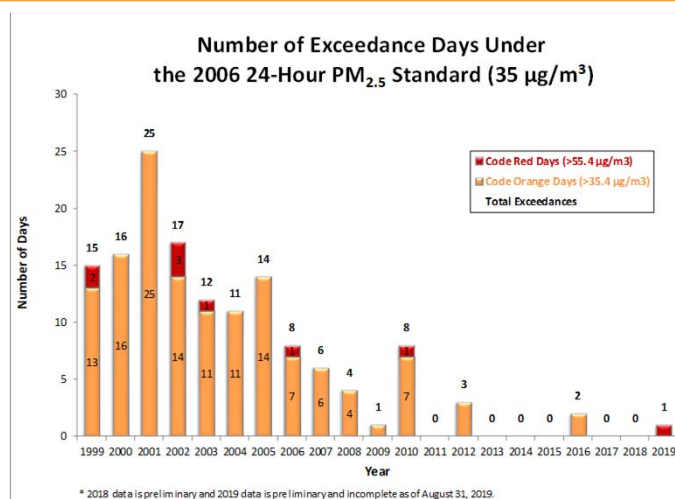
Sunil Kumar
Principal Environmental Engineer

Clean Air Partners Board Meeting
September 19, 2019



Metropolitan Washington
Council of Governments

PM_{2.5} Exceedance Trend



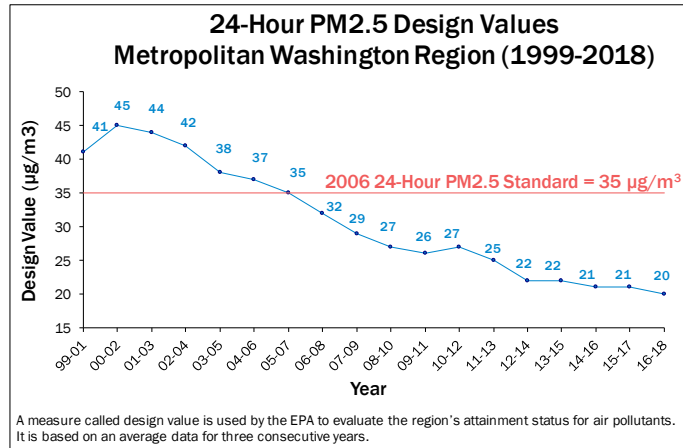
* In 2019, Code Red occurred on July 4th.



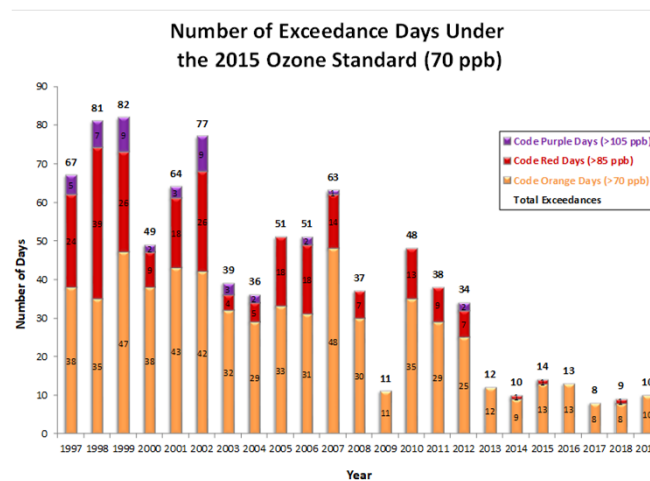
Metropolitan Washington
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24-Hour PM2.5 Design Value Trend

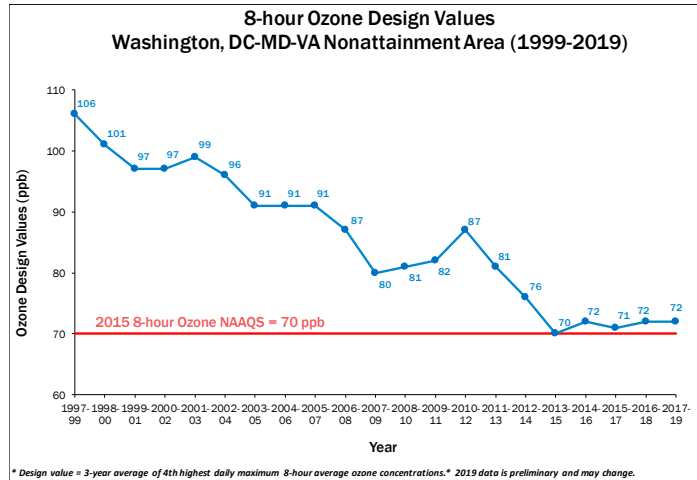


Ozone Exceedance Trend

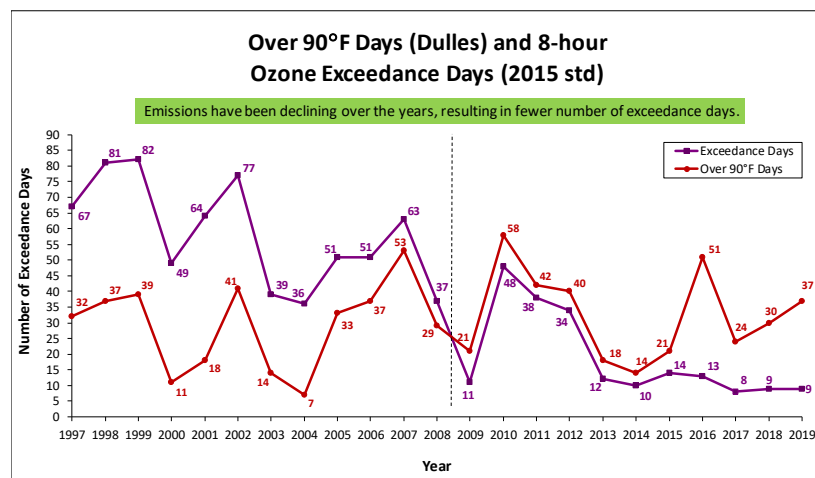


Analysis is based on draft and incomplete data as of September 12, 2019.

Ozone Design Value Trend



Ozone & Temperature Trend



Analysis is based on draft and incomplete data as of August 31, 2019.

Why Fewer Exceedance Days Now ?

Emission Control Programs

Federal	State	Local
Acid Rain Program (1996/2000)	Vehicle Inspection & Maintenance Programs	Renewable Energy Programs Regional Wind Power Purchase Program Clean Energy Rewards Program Renewable Portfolio Standards
Tier 2/Tier 3 (LD Vehicle) Rule (2004/2017)	Maryland Healthy Air Act (2009/2012)	Energy Efficiency Programs LED Traffic Signal Retrofit program Building Energy Efficiency Programs
HD Diesel vehicle Rule (2004/2007)	Virginia CSAPR Rule	VRE Idling Reduction
NOX SIP Call (2004)	Ozone Transport Commission Rules	LOW VOC Paint
CAIR/CSAPR/CSAPR Update (2009/2015/2017)		Gas Can Replacement
Marine Emission Control Areas (2012/2015/2016)		

Planning for 2015 Ozone NAAQS – Next Steps

- Based on the current trend in ozone levels, the Washington region is not likely to attain the 2015 ozone standard (70 ppb) (based on 2018 though 2020 data).
- If the 2020 ozone value is at or below 70 ppb, the region may be eligible for an extension of one year of the attainment date.
- If the region is not eligible for an extension, then it would be bumped-up to moderate nonattainment level. This would require the region to submit an attainment plan containing a set of emission control measures.
- If the region attains the standard in 2020, it can submit a request to EPA to redesignate it to attainment accompanied with a maintenance plan.