

2018 STATE OF THE AIR REPORT

(AMERICAN LUNG ASSOCIATION)

Sunil Kumar
Principal Environmental Engineer

MWAQC-TAC
May 8, 2018

Background

- American Lung Association (ALA)
 - Reports status of the air quality for the whole country every year
 - Report includes weighted scores and grades for each county in the Washington, DC-Baltimore-Northern Virginia Combined Metropolitan Statistical Area (CSA)
 - Also reports top 25 most polluted CSAs/MSAs and counties for ozone and PM2.5 (24-hour & annual)

ALA Methodology

- Used number of code orange and above days instead of Design Value to calculate Weighted Scores/Grades/Ranks for Ozone & 24-Hour PM2.5 for CSAs/MSAs and counties
- Used Design Value to assign grades/ranks for Annual PM2.5 for CSAs/MSAs and counties

ALA Rankings for Washington, DC-Baltimore-Northern Virginia

ALA ranked top 25 most polluted CSAs/MSAs in 2018 report

1. Ozone: Washington-Baltimore-Arlington ranked 17th
2. 24-Hour & Annual PM2.5: Not in the list



ALA Ozone Grades & Scores

(Washington, DC-MD-VA 2008 Ozone Nonattainment Area Jurisdictions)

Jurisdiction	Ozone	24-Hour PM2.5	Annual PM2.5
District of Columbia	F (4.7)	B (0.7)	Pass
Charles	F (3.3)	-	-
Calvert	C (2.0)	-	-
Fredrick	C (1.3)	-	-
Montgomery	C (1.7)	A (0.0)	Pass
Prince George's	F (6.8)	A (0.0)	Pass
Alexandria	-	-	-
Arlington	F (5.8)	B (0.3)	Pass
Fairfax	F (3.3)	B (0.3)	Pass
Loudoun	C (2.0)	A (0.0)	Pass
Prince William	C (1.3)	-	-



Conclusion

- ALA rankings for Washington, DC-Baltimore-Northern Virginia CSA for both ozone and PM2.5 has improved significantly
- None of the jurisdictions in Washington, DC region is listed in top 25 most ozone or PM2.5 polluted counties in ALA report
- All of Washington, DC region jurisdictions show improvement in weighted scores and a few in grades for ozone
- All of Washington, DC region jurisdictions show remarkable improvement in weighted scores and all have passing grades for PM2.5