

BASE YEAR 2017 EMISSIONS INVENTORY - 2015 OZONE STANDARD (70 PPB)

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Agenda Item 6



Ozone Monitor Map

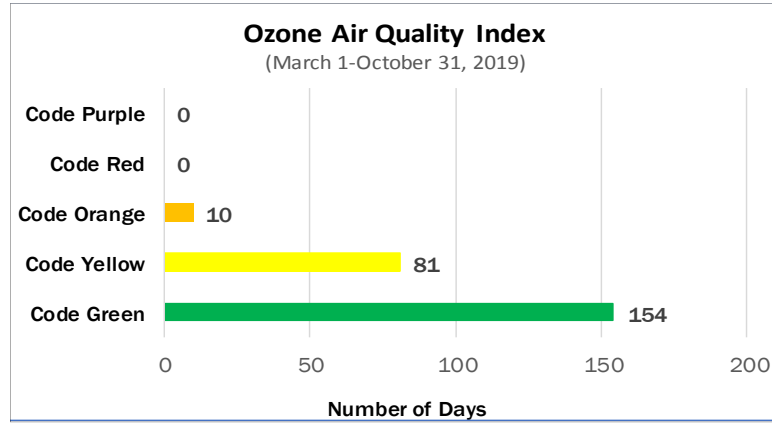
Metropolitan Washington Ozone Monitors
Washington, DC, MD, VA



Note: State air agencies in the District of Columbia, Maryland, and Virginia monitor and provide air pollutant data for the Washington region. EPA also operates a monitor in Beltsville, MD.

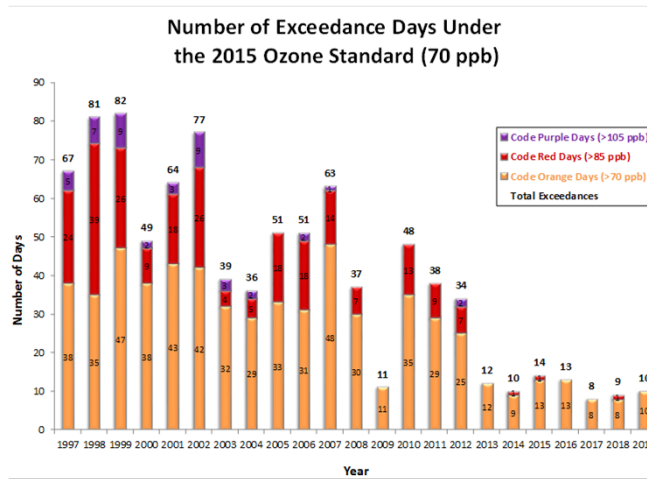


Summary - Ozone Air Quality Index



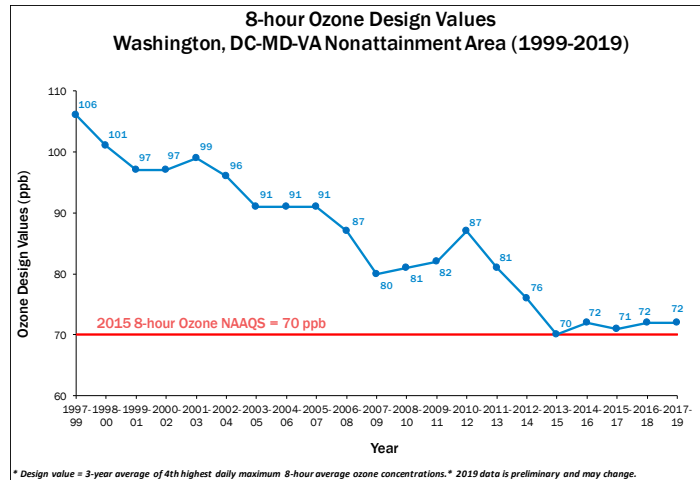
* Analysis is based on draft data.

Ozone Exceedance Trend



* 2019 data is draft.

Ozone Design Value Trend



* 2019 data is draft.

Base Year 2017 Emissions Inventory - 2015 Ozone Standard

- Current ozone standard was published in 2015 – 70 parts per billion (ppb)
- Washington region - Nonattainment Area for 2015 ozone standard (70 ppb)
- Levels of nonattainment depend on ozone levels
 - Marginal, Moderate, Serious, Extreme
- Washington region - **Marginal** Ozone Nonattainment Area
- Attainment deadline – August 3 , 2021 (Attainment to be based on 2018-2020 data)
- Requirements for Marginal Ozone NAA - Submission of a comprehensive Base Year emissions inventory to EPA by August 3, 2020
- Base Year selected in coordination with EPA – 2017

Overview - BY 2017 Emissions Inventory

- **Emission Sources**

- **Point**



- **Area**



- **Nonroad**



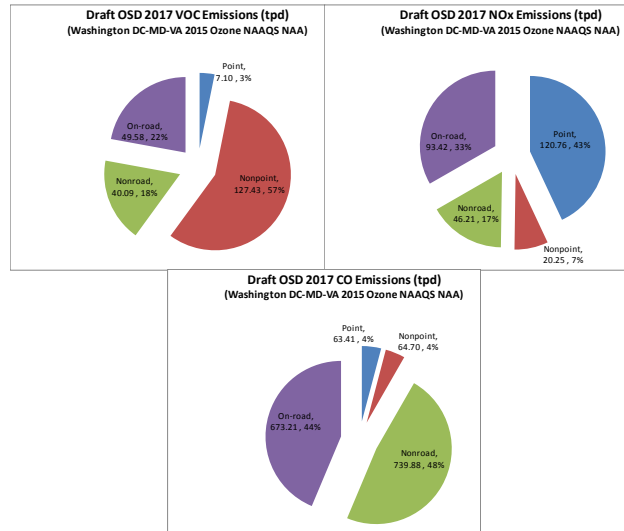
- **On-Road**



Emission Period & Pollutants

- **Emission Period: Average ozone season day emission in 2017**
- **Pollutants: VOC and NOx (Required)**
 - **Carbon Monoxide (CO) is added keeping in mind future uses (e.g. ozone redesignation request/maintenance plan)**

Emission by Source



Timeline – BY2017 Emissions Inventory

- MWAQC-TAC review and recommendation to MWAQC for approval for public comment and hearing process: February 11, 2020
- MWAQC approval for public comment and hearing process: February 26, 2020
- Public comment period: March-May (2020)
- MWAQC-TAC approval of response to comments: May 12, 2020
- MWAQC final approval for EPA submittal: May 27, 2020
- State air agencies submit BY2017 inventory to EPA by August 3, 2020