

Conformity and Air Quality Review - Notes

Graciela Lubertino, PhD

October 2, 2019



Air Quality Update - Ozone Standard

- ▶ How ozone is formed?
- ▶ Ozone health effects
- ▶ Region design value: 78ppb
- ▶ Region in nonattainment for the 2008 and 2015 8 hr. Ozone Standard
 - Classification
 - MVEBs from SIPs
 - Budgets for NO_x and VOCs / not air toxic budgets
- List of Mobile source air toxics

Air Quality Transportation Conformity

- ▶ What is conformity
- ▶ How often needs to be done
- ▶ How the years are selected
- ▶ Conformity requirements
- ▶ Elements of the model
- ▶ Input to calculations
- ▶ Timeline



Greenhouse Gases

- ▶ Effect of GHGs
- ▶ List of GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃)
- ▶ Implications on human health/ climate change
- ▶ Adaptation/mitigation plan
- ▶ GHGs inventories for mobile sources
 - IPCC recommendations
 - 1990 baseline for Kyoto protocol and targets
 - 2010 Paris agreement
 - 2050
- ▶ EPA TEAM tool for control strategies for mobile sources