



Glenn Research Center



## Interactions between Pollutants

- ◆ Nitrate-based particulates (smog) form via kinetics involving O<sub>3</sub>, OH, NO<sub>2</sub>, NO, NH<sub>3</sub>.
- ◆ Cal. Tech. model: 25% reduction in NO<sub>x</sub> emissions would reduce particulate levels by only 10% (also: 50% NO<sub>x</sub> reduction leads to 21% particulate level reduction)
- ◆ Changing NO<sub>x</sub> levels alters O<sub>3</sub>-forming paths and therefore particulate