

Nevada Rural Ozone Initiative

- Motivated by elevated ozone at Great Basin NP CASTNET site
- 3 year monitoring study funded by NDEP
- PI – Mae Gustin, University of Nevada Reno
- Research Questions
 - What are the spatial and temporal patterns in ozone concentrations across Nevada?
 - What sources contribute to the observed ozone concentrations in Nevada?
- Midway through study with 9 established sites across Nevada
 - First sites established in June 2011
 - Latest site established in June 2013
 - 1500 to 2600 m elevations
 - Ozone and met at all sites
 - CO, NO_x, NO_y (trace), SO₂, PM₁₀, PM_{2.5} at select sites
 - Some sites co-located with CASTNET, IMPROVE, MDN, CEMP, and/or passive Hg
- Collaboration with other groups
 - NOAA flyovers and lidar studies
 - Recent request for AQUEST support where Arlene Fiore is PI and Meiyun Lin is CI
- Preliminary results presented at WESTAR Western Ozone Transport meeting Oct 2012
<http://www.westar.org/12%20Tech%20Conf/Presentations/Fine,%20Gustin.pdf>