

Summary

On 11 August, smoke was analyzed to be covering all of NV which combined with local ozone producing pollutants to exceed the Federal Standard for pollutant reaching the Unhealthy for Sensitive Groups level for ozone. However, strong evening outflows from thunderstorms that range in speeds from the mid-50s to mid-60s over Las Vegas helped to clear out a lot of the smoke that had been trapped in the Vegas Valley. Additionally, the combination of a strong wave moving over the NW US into BC and NE-SW wind flow for this period helped cut smoke transport into S NV. The result was less smoke to help in the local ozone production on 12 August, when only one site exceeded and reaching the USG level.