

# San Joaquin Valley 2013 State Implementation Plan for the Federal 1-Hour Ozone Standard

November 21, 2013

# Overview

- \* Need for new 1-hour ozone SIP
- \* 1-hour ozone attainment status
- \* Nature of the 2013 ozone SIP
- \* Ongoing ozone planning efforts



# San Joaquin Valley Ozone SIPs

- \* EPA approved 8-hour ozone SIP in 2012
- \* SIP for revised 8-hour ozone standard due in 2016
- \* Updated SIP for revoked 1-hour ozone standard required by Court
- \* District has submitted new 1-hour ozone SIP to ARB for adoption

# 1-Hour Ozone SIP

- \* EPA approved 1-hour ozone SIP in 2010
- \* Attainment deadline was 2010
- \* Valley very close to meeting standard
- \* Update required for
  - \* Air quality modeling
  - \* Emission inventory
  - \* Other SIP elements

# 1-Hour Ozone Attainment Status

- \* Over 50 exceedances in early 1990's
- \* 3 exceedance days in 2012
  - \* District is evaluating potential exceptional event for one day in 2012
- \* No exceedances in 2013
- \* The only monitoring site still violating the standard is Fresno-Drummond
- \* Valley is still significantly over the 8-hour ozone standards

# Air Quality in Fresno County

- \* Valley's high sites have often been in Fresno area
- \* Bakersfield area has been the high site at times
- \* Fresno-Drummond is the one site that remains over the standard

# Air Quality in Bakersfield

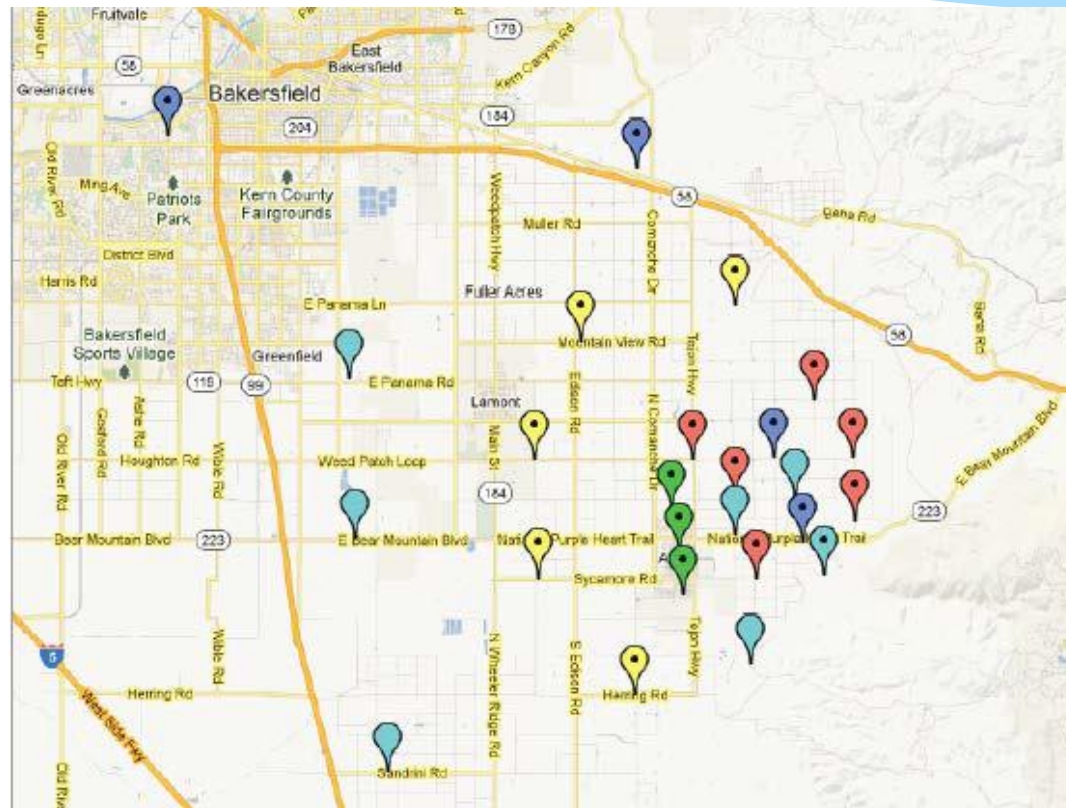
- \* There are 6 ozone monitoring sites in the Bakersfield area
- \* Highest concentrations have been at Arvin or Edison monitoring sites
- \* Edison monitoring site attained in 2011

# Arvin Monitor Relocation

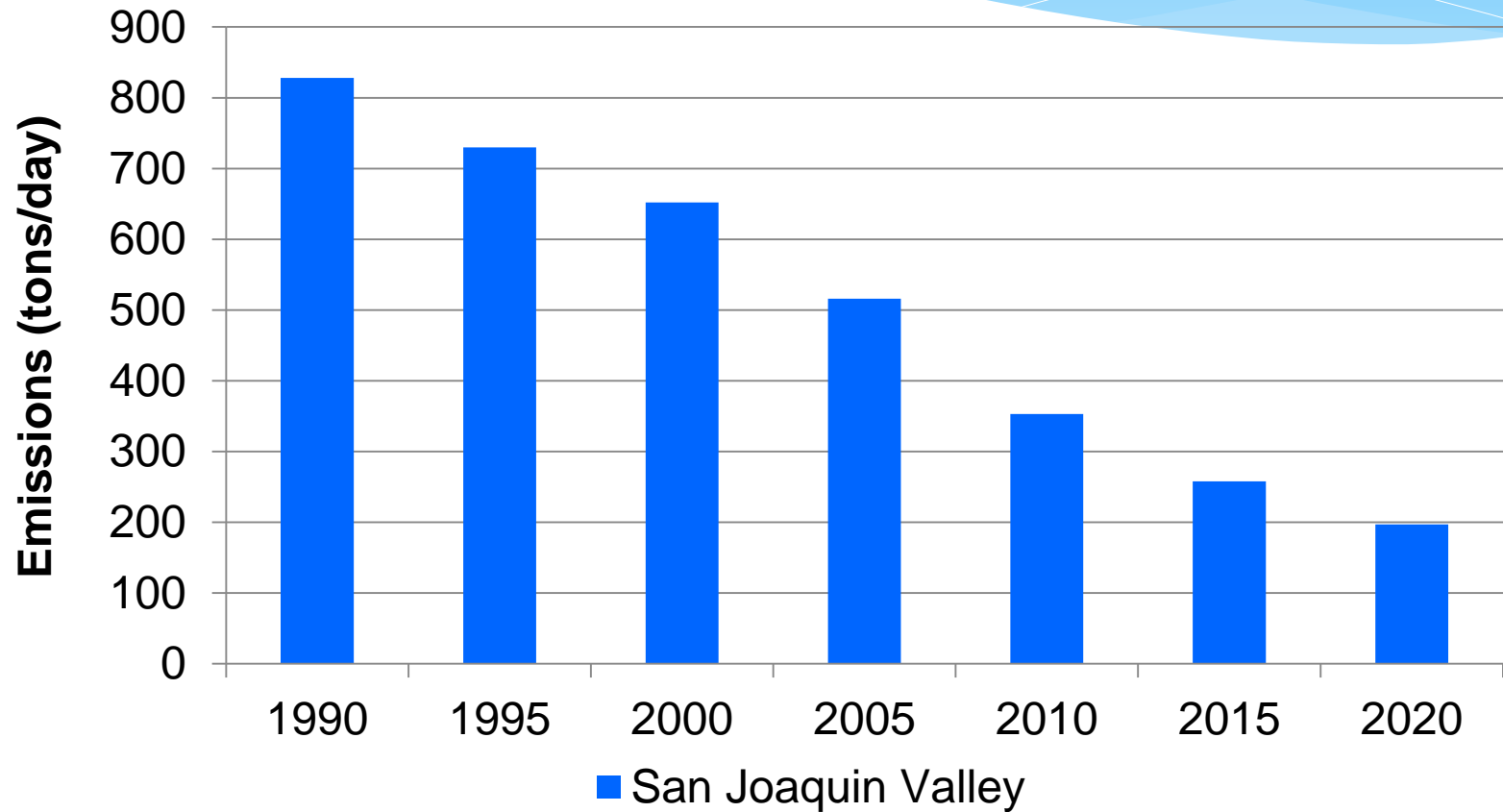
- \* ARB established replacement for Arvin-Bear Mountain in 2010
- \* Study underway to evaluate variability of ozone levels in the Arvin area
- \* Expect report in early 2014
- \* Attainment status in question until issue resolved



# Scope of Saturation Study



# Benefits of CA's Programs: NOx



# District 2013 1-Hour Ozone SIP

- \* ARB staff performed required air quality modeling
- \* Modeling shows attainment throughout the Valley in 2017
- \* Emissions continue to decline
- \* 2013 SIP documents the adopted regulations included in the attainment demonstration and other required elements

# Ongoing Ozone Planning Efforts

- \* Next planning efforts will focus on the 8-hour ozone standards
- \* In 2014, the 8-hour ozone SIP air quality modeling will be revisited
- \* In 2016, a SIP for the revised 8-hour ozone standard will be due

# Staff Recommendation

- \* Plan meets applicable Act requirements
- \* Approve the San Joaquin Valley 2013 1-Hour Ozone Plan as a revision to the California SIP