

Attainment of 1-hour Ozone Standard

Governing Board Meeting
November 14, 2013



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Historic Achievement

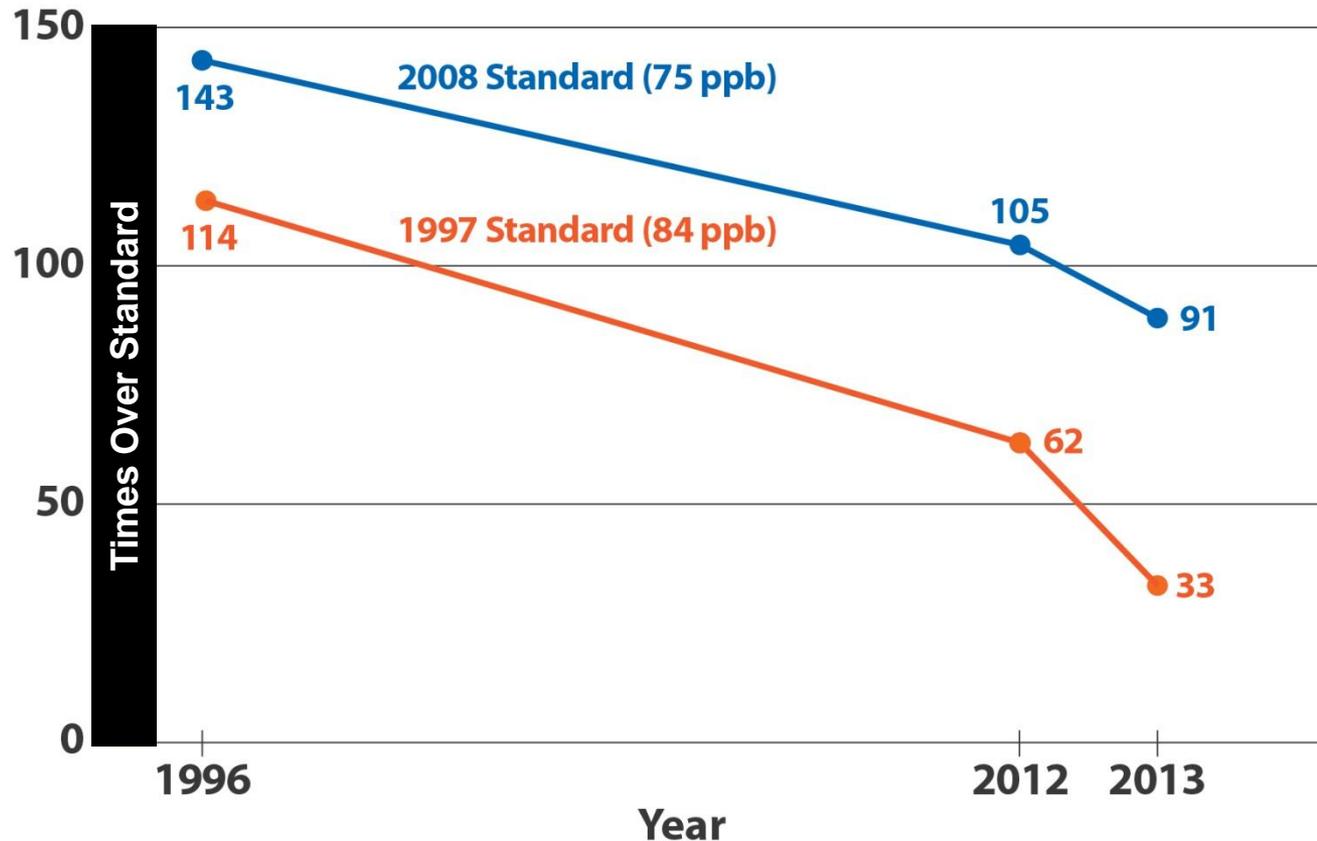
- Zero violations in 2013
 - First time in recorded history
- Valley now meets the standard for the mandated three year period (2011 – 2013)
- First and only region in nation to go from “Extreme” to attaining the standard
- Despite strings of triple-digit temperatures and wildfires, 2013 cleanest year on record:
 - 1996: 281 hours over the standard
 - 2012: 7 hours over the standard
 - 2013: 0 hours over the standard



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More Good News Record Year for 8-hour Ozone



Meeting the 1-hour Ozone Standard An Epic Journey for the Valley

- Valley classified as “Extreme” in 2004 by EPA
 - Meaning attainment deemed impossible with available technology
- Valley violated standard 281 hours in 1996 and 321 hours in 1998
- Valley experienced highest peak concentrations in the nation
 - Greater than 200 ppb
 - Multiple hours on a daily basis
- Valley became subject to federal nonattainment penalties in 2010 (~\$29 million per year)



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Sustained Efforts to Meet the Standard

- 12 attainment plans
- Over 500 of the most stringent air quality rules adopted, implemented, and enforced
- 80% reduction in emissions from stationary sources
- Over \$40 billion invested by Valley businesses in modernization and compliance
- Over \$500 million in incentive grants resulting in over 100,000 tons of emissions reduced
- Public education and participation



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Demonstrating Attainment

Monitoring Site	2011	2012	2013	Total
Stockton-Hazelton	0	0	0	0
Turlock	0	0	0	0
Merced	0	0	0	0
Madera	0	0	0	0
Clovis	2	0	0	2
Fresno-1 st /Garland	0	1	0	1
Fresno-Drummond	3	0*	0	3
Fresno-Sierra Skypark	0	1	0	1
Parlier	1	1	0	2
Hanford	0	0	0	0
Visalia	0	0	0	0
Arvin-DiGiorgio	0	0	0	0
Bakersfield-California	0	0	0	0
Edison	0	0	0	0

**Exceptional Event pending for exceedance day*



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Special Issues with Attainment Demonstration

- Transboundary Ozone
 - Approximately 23% of peak ozone concentrations due to transport from Asia
- Arvin Monitoring Station Relocation
 - Arvin Saturation Study shows higher concentrations at Di Giorgio school compared to old Bear Mountain site
- 2012 “exceptional event”- Fresno Drummond
 - Reading of 127 ppb – 2% over the standard
 - Large refinery fire and multiple wildfires



Arvin Saturation Study

- Your Board authorized District-sponsored saturation study to establish ozone gradients in and around Arvin
- Twenty-three new solar powered ozone samplers were deployed to twenty-one locations
- Three co-located at official monitoring sites to continually ensure and verify accuracy
- Two monitors were located across the street from the old Bear Mountain site
- Ozone concentrations measured 24 hours per day for 6 weeks beginning in mid-August until the end of September

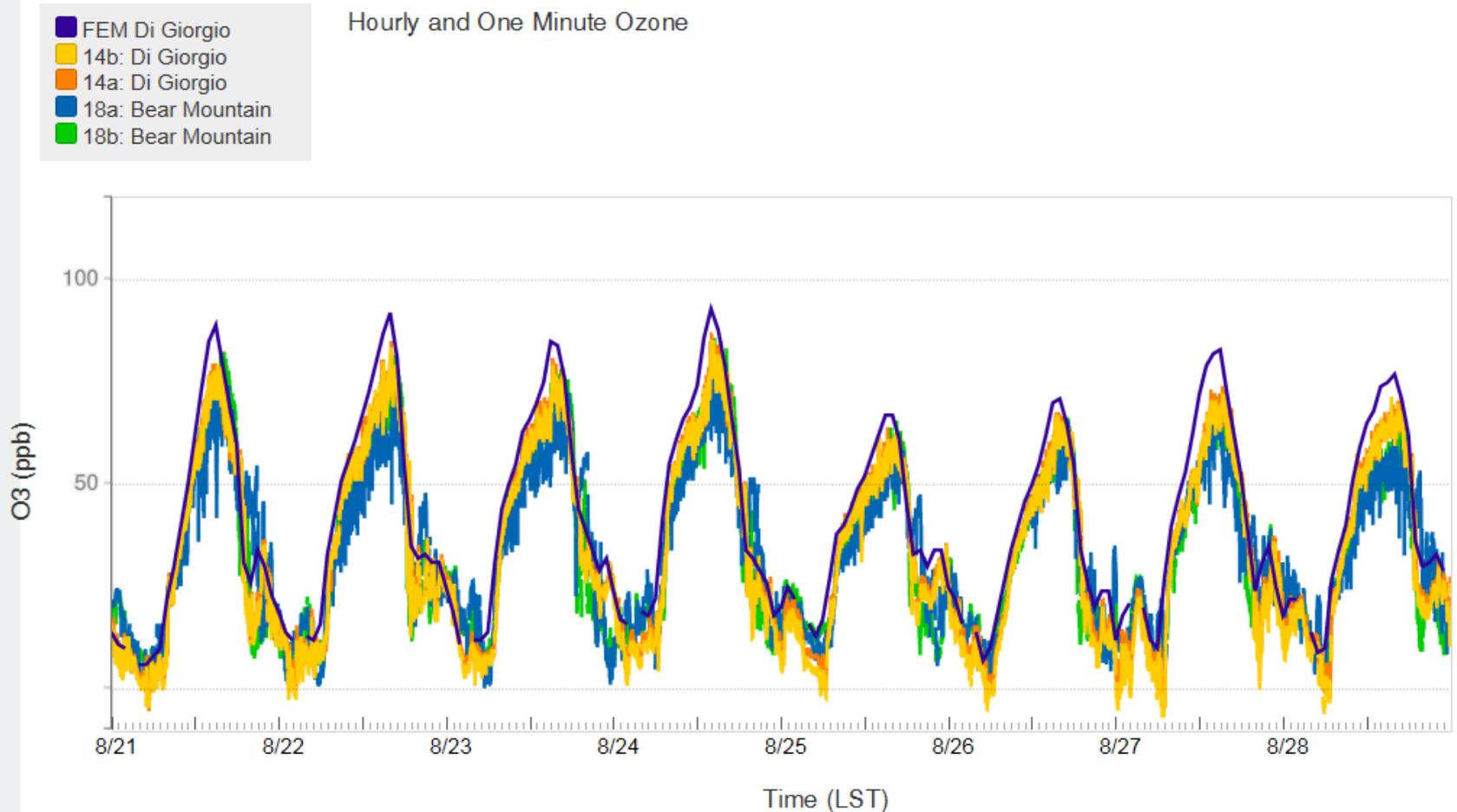


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Arvin Saturation Study (cont'd)

- Preliminary data indicates that the 1-hour ozone concentrations at new Di Giorgio Elementary School site actually higher than those measured at old Bear Mountain site



Historic Achievement Thank You – Valley Businesses

- Valley businesses, farmers, and dairy families – historic achievement impossible without their investment and sacrifice
- Input and willingness to form an effective result-oriented public-private partnership
- Supported tough measures based on sound science



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Historic Achievement Thank You – Valley Residents

- Consistently ranked air quality as a top quality of life issue
- Support and participation
- Public response to Air Alert episodes in 2013 was key to avoiding the few remaining 1-hour ozone violations



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Historic Achievement Thank You – Local, State, and Federal Partners

- State legislature, ARB, and EPA responded to Valley's calls for resources
- State and federal efforts to reduce mobile source emissions



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Historic Achievement Thank You – Environmental Organizations

- Successful in drawing attention to the Valley's air quality challenges which assisted the District in advocating for state and federal resources
- Audits initiated by these organizations have highlighted the effectiveness and efficiency of the District



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Historic Achievement

Thank You – Governing Board

- Insight and skill led to great success in balancing the Valley's economic well-being and public health
- Fortitude to render tough decisions rooted in sound science even when politically unpopular
- Innovative strategies adopted by your Board now serve as a model for the rest of the state and the nation
- Promoted staff innovation and provided necessary resources for an active and effective program



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Recommendations

- Formally ask EPA to deem the Valley in attainment
 - Include extensive documentation in support of request
- Formally ask EPA to lift the Clean Air Act Section 185 penalties
 - Brings an end to a current lawsuit to impose additional penalties on Valley businesses
 - Returns full local control to the Valley on DMV fees

