

Air Quality and District Programs

Snapshots from 2014

Looking Ahead

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Director / APCO
March 19, 2015



2014 Snapshots

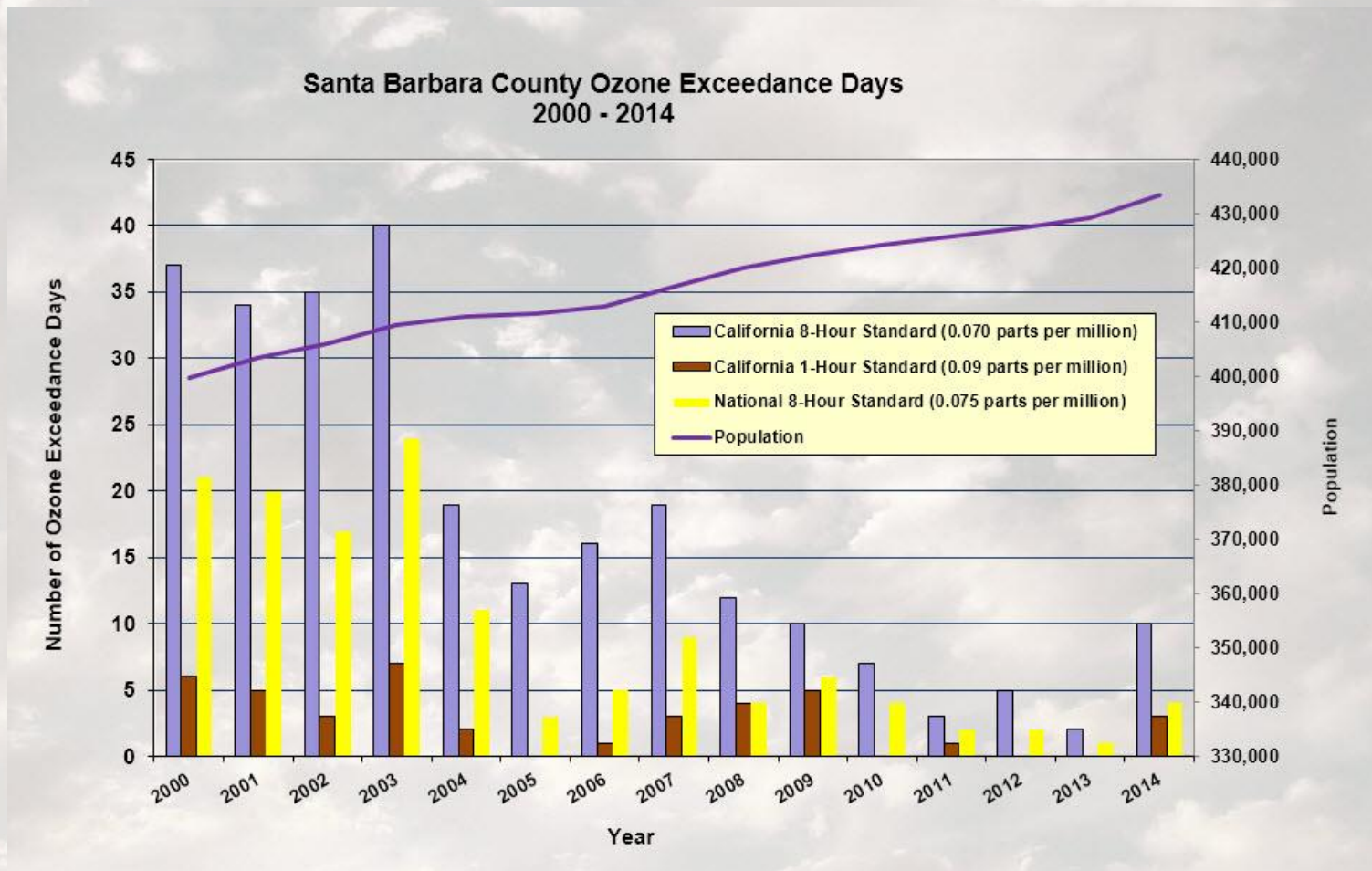
- **Air Quality – Ozone**

- 4 exceedances of federal 8-hour standard (compared to 1 in 2013)
- 3 exceedances of state 1-hour standard (compared to 0 in 2013)
- 10 exceedances of state 8-hour standard (compared to 3 in 2013)

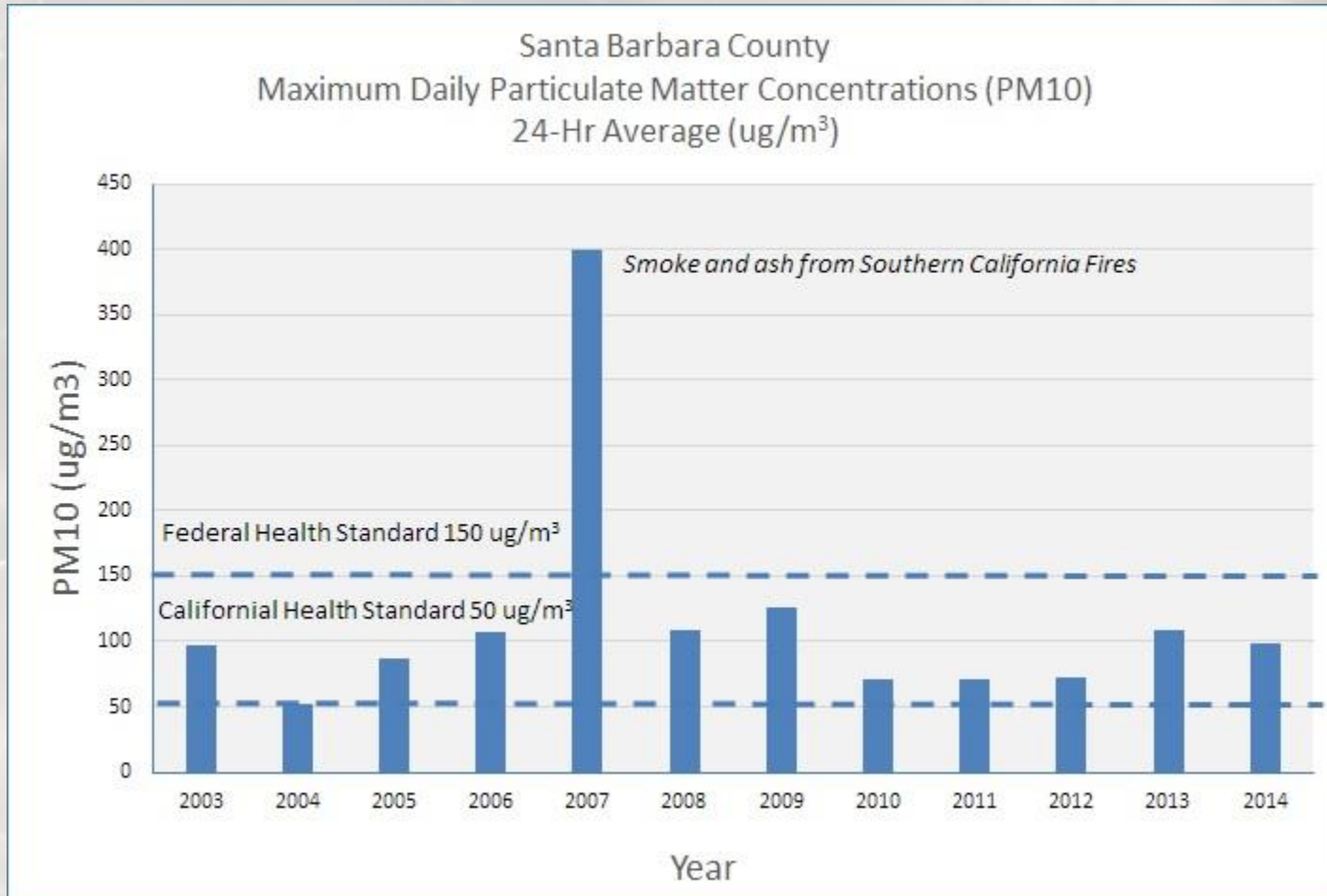
- **Air Quality – Particulate Matter (PM)**

- No exceedances of federal 24-hour PM10 and PM2.5 standards
- 23 exceedances of state 24-hour PM10 standard (18 in 2013)
- No exceedances of state annual PM2.5 standard

Ozone – Exceedance Days



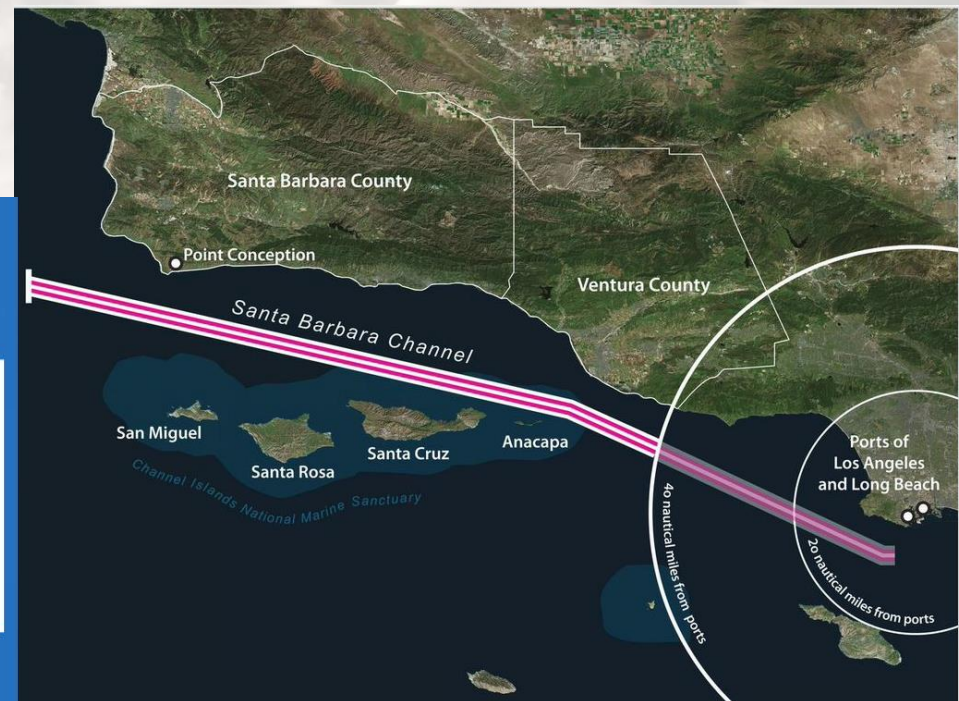
Particulate Matter



2014 Snapshots

- **Vessel Speed Reduction Trial Incentive Program**
 - July-November 2014
 - 27 transits
 - 50 percent reduction from baseline emissions:
 - 16 tons of ozone-forming nitrogen oxides (NOx) reduction
 - 500 metric tons of regional greenhouse gases reduction
 - Final VSR Report just released

Protecting Blue Whales and Blue Skies

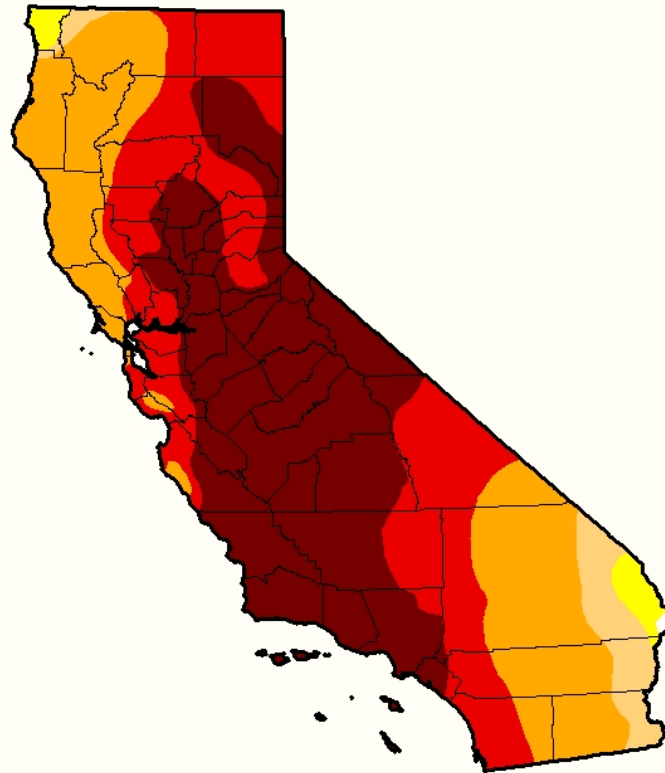


Looking Ahead

Drought

- Less rain to clear pollutants
- Soil moisture reduced
- Less June gloom
- Higher temperatures
- PM Impacts
- Ozone Impacts

U.S. Drought Monitor California



February 24, 2015
(Released Thursday, Feb. 26, 2015)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.16	99.84	98.10	93.44	67.46	39.92
Last Week 2/17/2015	0.16	99.84	98.10	93.44	67.46	41.20
3 Months Ago 11/25/2014	0.00	100.00	99.72	94.42	79.69	55.08
Start of Calendar Year 12/02/2014	0.00	100.00	98.12	94.34	77.94	32.21
Start of Water Year 9/02/2014	0.00	100.00	100.00	95.04	81.92	58.41
One Year Ago 2/25/2014	0.00	100.00	94.56	90.82	73.83	26.21

Intensity



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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NCDC/NOAA



<http://droughtmonitor.unl.edu/>

Looking Ahead

- **New federal ozone standard**
 - Current standard is 75 ppb
 - Proposal for range 65-70 ppb Nov. 25, 2014
 - Final Rule to be signed by Oct. 1, 2015
 - Data for years 2014-2016 used to calculate attainment status
 - Our attainment status depends on:
 - Level of final standard
 - Air quality in 2014, 2015, 2016

Ozone – Design Value

Station (#12)	Year	1st Maximum		2nd Maximum		3rd Maximum		4th Maximum	
		O3	Date	O3	Date	O3	Date	O3	Date
Carpinteria	2012	74	10/17/2012	66	4/8/2012	64	6/6/2012	63	12/28/2012
	2013	72	9/29/2013	69	5/4/2013	66	9/24/2013	65	8/15/2013
	2014	89	5/2/2014	88	10/5/2014	81	10/25/2014	76	10/6/2014
	2014 O3 Design Value =							68	Average
LFC 1	2012	81	8/29/2012	78	5/9/2012	72	10/17/2012	70	5/8/2012
	2013	74	5/3/2013	67	5/2/2013	63	5/12/2013	59	5/13/2013
	2014	86	10/5/2014	76	10/6/2014	74	5/2/2014	70	10/23/2014
								66	Average
Goleta	2012	56	10/17/2012	51	3/21/2012	51	4/8/2012	51	5/5/2012
	2013	64	8/30/2013	62	10/18/2013	60	9/29/2013	59	5/4/2013
	2014	80	5/2/2014	78	10/5/2014	70	4/29/2014	69	5/1/2014
								59	Average
Santa Maria	2012	51	5/5/2012	50	3/17/2012	20	3/25/2012	49	5/6/2012
	2013	60	5/3/2013	51	10/15/2013	49	5/5/2013	48	11/13/2013
	2014	68	5/15/2014	60	5/1/2014	59	5/14/2014	58	10/4/2014
								51	Average

Notes:

- 1 Current EPA 8-hour ozone standard set at 75 ppb.
- 2 Fourth highest reading used to calculate design day value for each site.
- 3 Each site averaged over last three years.
- 4 Site with the highest overall average is county-wide design day value.

Looking Ahead

- **Revised air toxics guidance**
 - Revised guidance and health risk assessment tool issued by the state
 - CARB with CAPCOA working on revised Risk Management Guidelines for CA air districts
 - We are working on implementing in our District programs: www.ourair.org/air-toxics/
 - Will return to your Board with findings at a future date



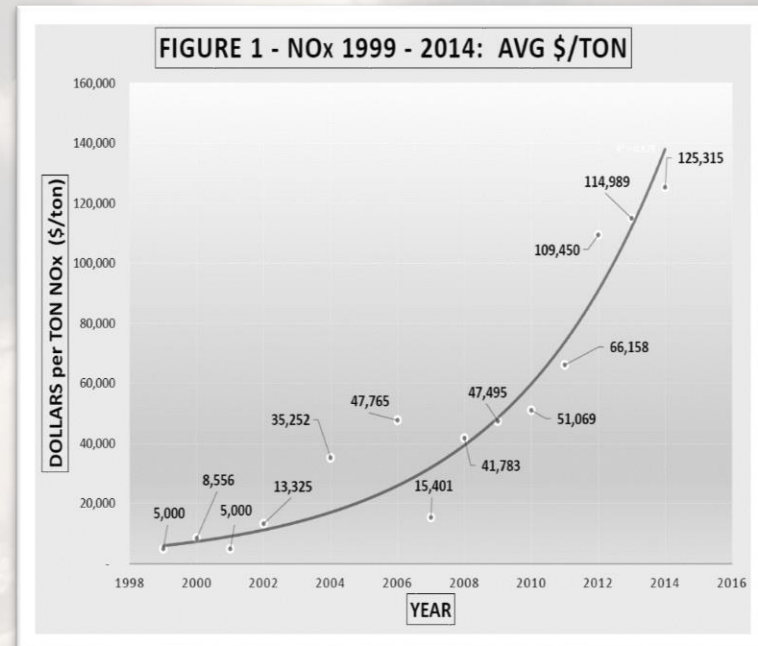
I want to learn about
air toxics and health »



I want air toxics
information for
businesses »

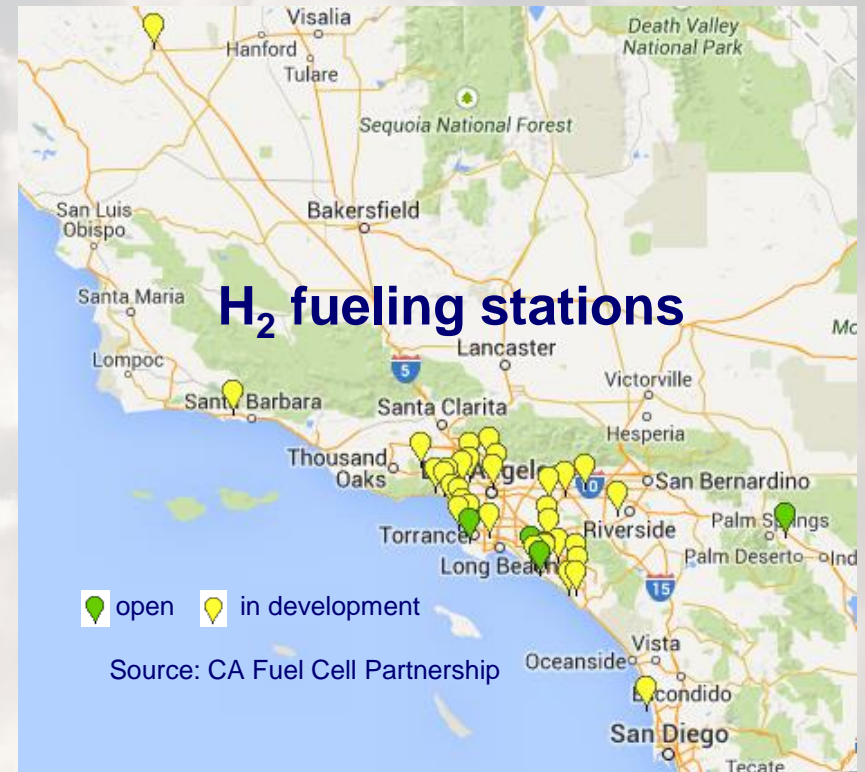
Looking Ahead

- **New Source Review Rule Revisions**
 - Relieves pressure on countywide offset issue
 - Creates Essential Public Services bank
 - Creates a local GHG ERC bank
 - Shifts burden to largest sources
 - Compliant with SB 288 no “backsliding”
 - Approved by EPA and under review by ARB



Looking Ahead

- **Hydrogen fueling infrastructure CEC grant**
 - Tri-County H₂ Readiness
 - District is lead
 - \$243,000 proposed
- **EV charging stations**
 - Plug-in Central Coast
 - More District charging station grants



Questions?

