

South Coast Air Quality Management District

Healthy Hearths Initiative
&
Rule 445 – Wood Burning Devices

March 1-2, 2011





Healthy Hearths Initiative

- Multi-pronged approach to addressing the impacts of wood smoke
 1. Public Education
 2. Rule 445 – Wood Burning Devices
 3. Incentive Program
 4. Curtailment Program



1. Public Education

South Coast Air Quality Management District

The South Coast Air Quality Management District includes all of Orange County and portions of Los Angeles, San Bernardino and Riverside Counties.



South Coast Perspective

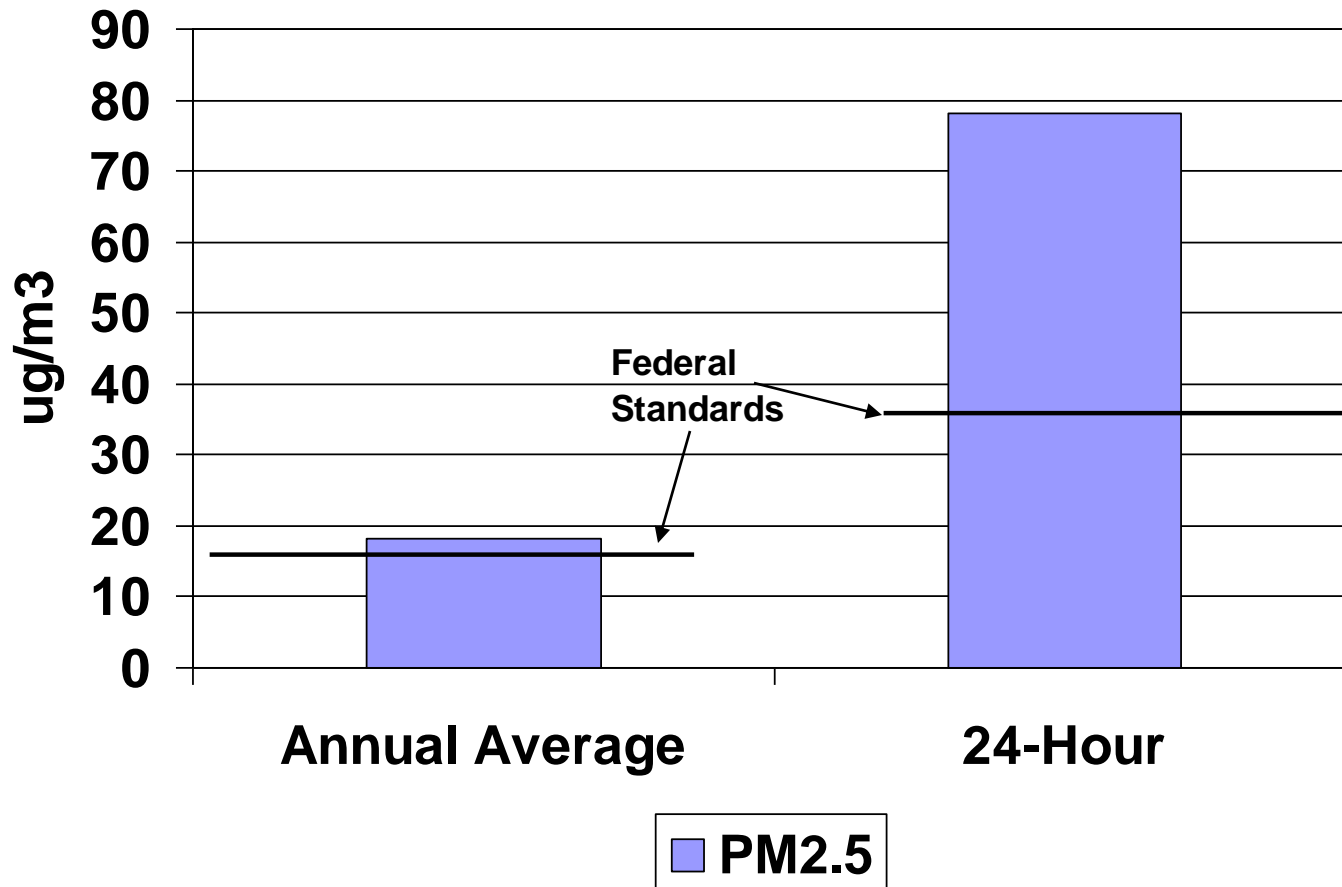
- Extreme non-attainment for ozone
- Non-attainment for PM2.5
- Basin – South Coast Air Basin
 - Orange County and non-desert portion of LA, Riverside & San Bernardino Counties
 - >15 million residents
 - 1.4 million open faced fireplaces
- Vastly ambience wood burning culture

Air Quality Background

State and Federal Government have established air quality standards for PM10 and PM2.5

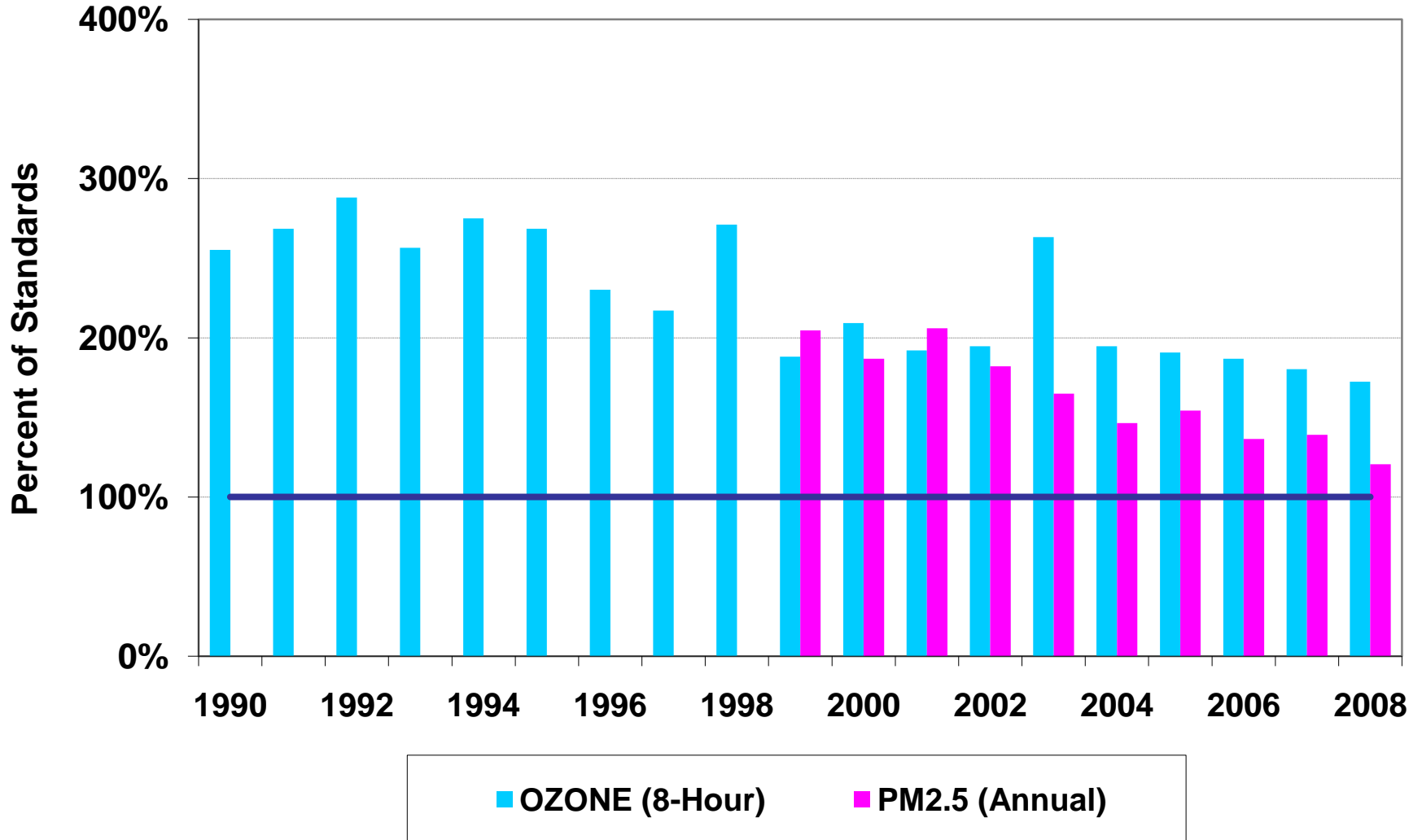
	Federal	State
PM_{2.5}		
Annual	By 2015 15 µg/m ³	12 µg/m ³
24 hr	By 2020 35 µg/m ³	--
PM₁₀		
Annual	--	20 µg/m ³
24 hr	By 2024 150 µg/m ³	50 µg/m ³

Monitored PM2.5 Levels (2008 Basin Maximums)



South Coast Air Basin, 1990-2008

Maximum Concentration As Percent of Standards





www.HealthyHearths.org

- Informational video
- Health effects information
- FAQs for government and contractors
- Wood burning tips
- Quiz to test your knowledge
- Links
 - Incentive program
 - Curtailment forecasts



2. Rule 445 – Wood Burning Devices

Rule 445 Key Elements

- New development
- Existing development (i.e., additions or remodels)
- Mandatory curtailments, if needed
- Exemptions
- Implementation
 - Public outreach
 - Incentives

New Development

- Only *dedicated gaseous-fueled devices** allowed in *new developments after March 2009*

*Open hearth factory-built or custom built fireplace with gas log set allowed



Gas Log Set

Existing Developments

- The following devices allowed in existing developments (i.e., remodels/additions):
 - EPA Phase II-Certified or equivalent
 - Pellet-fueled
 - Masonry heater
 - Dedicated gaseous-fueled device



Gas Fireplace Insert

Exemptions

Cook Stoves	<ul style="list-style-type: none">• Complete
New Developments	<ul style="list-style-type: none">• No Gas Service• Greater Than 3,000' MSL
Existing Buildings	<ul style="list-style-type: none">• Property Sales or Transfers• Historical buildings
Mandatory Curtailment (if needed in 2011)	<ul style="list-style-type: none">• Sole Source of Heat• Low Income Household• No Gas Service• Greater than 3,000' MSL• Ceremonial fires



3. Incentive Program

Burn Clean, Burn Smart!



Help clean the air and save \$125

With the purchase and professional installation
of a clean-burning gas log set.

Program available for a limited time only.

Smoke from a wood-burning fireplace is a significant source of air pollution, releasing particulate matter into the atmosphere and affecting air quality here in Southern California. That's why it's a smart idea to install a clean-burning gas log set in your fireplace.

RH Peterson Company and Rasmussen Iron Works have teamed up with the South Coast Air Quality Management District to help you burn clean and burn smart. Through the Healthy Hearths Program, you can save \$125 on the purchase and installation of a Rasmussen or Real-Fyre Gas Log set.

You'll love the beauty and convenience of a gas log set and you'll feel great about making a positive impact on your environment.

Offer valid for residents of the South Coast Air Basin (all of Orange County and the sea-level portions of Los Angeles, Riverside and San Bernardino Counties). For more information, visit www.scaqmd.gov

Available through your local authorized dealer

Real Fyre
www.rhpeterco.com

R.I.
Rasmussen
www.rasmussen.biz

Sponsored by
www.scaqmd.gov



AQMD Incentives

- Concentrate in Basin only
- \$125 discount off purchase and installation of gas log set in existing developments
- Must work with participating dealers
 - ~50 in network
- Guaranteed installation required by trained technician

Statistics

- \$750,000 Funding
- Incentives
 - AQMD: \$100 / unit
 - Retailer/manufacturer: Additional \$25 / unit
- 7,500 units installed
- Next step to focus incentive program in area in disproportionately impacted areas



4. Wood Burning Curtailment Program

CHECK ✓
BEFORE YOU
BURN 🔥



Wood Burning Curtailment

- Run annually November through February beginning 2011
- Called when 24-hr PM_{2.5} levels projected to be $\geq 35 \mu\text{g}/\text{m}^3$ (Fed. Std.)
- Called for the day of poor air quality
 - By zip code & forecast area
 - Applies to indoor and outdoor wood burning
 - AQMD responsible for compliance



Curtailment Program

- Voluntary 2010, mandatory 2011
- Only 15 to 20 days anticipated per year
- Only 1 day under voluntary program
 - Atypical weather year
 - Evaluating impacts of weather & economy on pollution levels

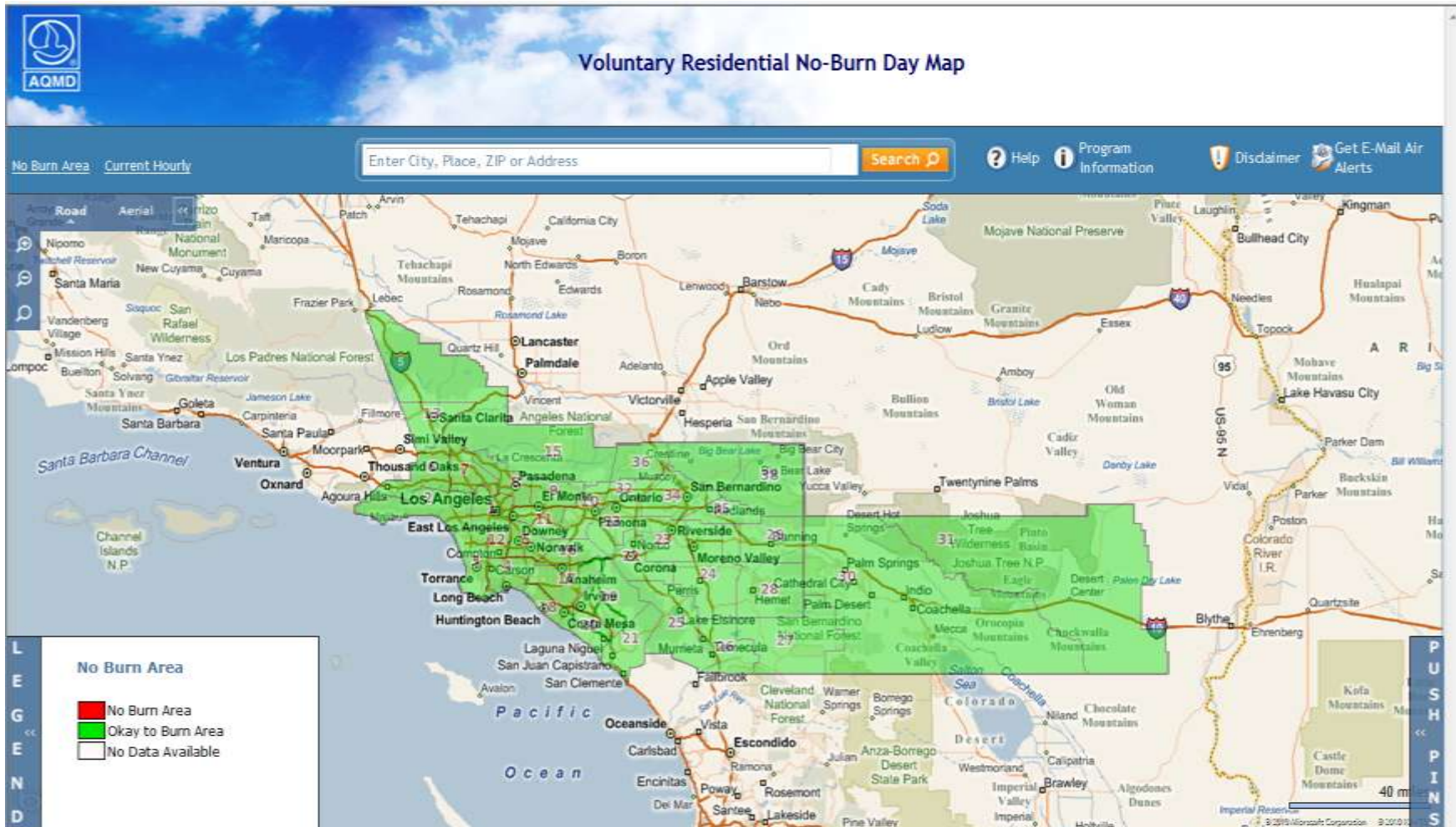


Curtailment Program Public Notification

- Many notification alternatives being considered:
 - AQMD web site
 - Toll free phone number
 - List serve e-mail
 - Outreach materials
 - Media
 - weather forecasts
 - drive home PSAs
 - newspaper




Web Page Map




**HELP CLEAN
OUR AIR!**

To improve air quality, KTLA5 and
AQMD are teaming up to bring you
NO BURN ADVISORIES
on days when the air quality
is unhealthy.

CHECK ✓
BEFORE YOU
BURN 🔥



FOR THE LATEST
AIR QUALITY INFORMATION
WATCH THE
KTLA 5 MORNING NEWS
WEEKDAYS 4:30-10AM

 HENRY DI CARLO
KTLA5 Morning News
Meteorologist

KTLA 5 NEWS

CHECK ✓
BEFORE YOU
BURN 🔥

LA Times 2-14-11



KTLA 5

Henry DiCarlo

Questions?

- General information

<http://www.aqmd.gov/healthyhearths/index.htm>

- FAQs for Local Governments

http://www.aqmd.gov/rules/doc/r445/Builders_FAQ.pdf

- AQMD Staff contacts

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