

**AGENDA: 17**

# **Bay Area Air Quality Management District**

**September 19, 2016**

## **Update on Wood Smoke Reduction Incentive Program**

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**Deputy Air Pollution Control Officer**

# Background

- In winter, more than 30% of PM<sub>2.5</sub> is from wood burning
- 1.4 million fireplaces and wood-burning devices in Bay Area
- Air District has regulated residential wood-burning since 2008
- *October 2015*: Board adopts amendments to Regulation 6-3 Wood-burning Devices:
  - ✓ Bans wood burning during Spare the Air Alerts
  - ✓ Limits excess visible smoke
  - ✓ Prohibits burning garbage
  - ✓ Restricts sale & installation of non-EPA certified wood-burning devices
  - ✓ Requires labeling on firewood and solid fuels sold
  - ✓ Adopts EPA standards for wood heaters
- *November 2015*: Board Amends to Regulation 6, Rule 3 and provides direction to inform development of incentive program

# Air District's Wood Smoke Reduction Incentive Program

- Board approved \$3 million for Wood Stove and Fireplace Replacement Incentive Program (Program)
- First come, first served program, with 40% of funding reserved for applicants who meet one or more Highly Impacted Resident (HIR) criteria:
  - *Residents in areas highly affected by wood smoke*
  - *Households with wood devices as their sole source of heat*
  - *Low-income residents*
- Program is open to applicants who own a property that
  - (1) is a residential unit located within the Bay Area Air Quality Management District's jurisdiction, and
  - (2) contains an operational wood-burning stove or fireplace, used for heating purposes.
- One project per residence





# Program Funding

**Base Funding:** Applicant selects one project option

<b>Base Award</b>	<b>Project Option (limited to one option per residence)</b>
<b>\$3,500</b>	Replace a wood-burning stove or fireplace with an electric heat pump
<b>\$1,000</b>	Replace a wood-burning stove or fireplace with a natural gas- or propane-fueled device
<b>\$750</b>	Decommission (render inoperable) a wood-burning stove or fireplace

# Program Funding

## Bonus Funding for Highly Impacted Residents

- Some applicants are eligible to receive additional funding if they or their property meet one or more of the following HIR conditions shown below.

**+ \$1,500 for Sole Source of Heat Exemption**

Homeowner must qualify as exempt, according to the Air District's Compliance & Enforcement Division, because their sole source of heat is a wood-burning device.

**+ \$1,500 for Areas Highly Impacted by Wood Smoke**

- Campbell
- Half Moon Bay
- SW San Mateo
- Berkeley
- Glen Ellen
- Sebastopol
- Sausalito
- San Geronimo Valley
- West Marin
- Angwin
- Calistoga

**+ \$8,000 for enrollment in one of the following low-income assistance program**

- PG&E CARE program
- Women, Infants and Children(WIC)
- CalFresh/SNAP(Food Stamps)
- Head Start Income Eligible (Tribal Only)
- Supplemental Security Income(SSI)
- Free or Reduced National School Lunch Program
- Low Income Home Energy Assistance Program(LIHEAP)
- Bureau of Indian Affairs General Assistance
- CalWORKs(TANF)/Tribal TANF



**Spare the Air**  
inside and  
outside  
your home!

**WOOD SMOKE REDUCTION  
INCENTIVE PROGRAM**

It's Your Air, Protect It.

# Program Outreach

- ✓ Mailed postcards
- ✓ Ads on local cable stations + Social media blasts with ads
- ✓ Promotional video
- ✓ Press release + pitched story to local media stations
- ✓ Outreach at local county fairs and other events
- ✓ Asked community groups, homeowners' associations and other stakeholders to help promote the program with fact sheet information
- ✓ Program details in Air Alerts and Air Currents
- ✓ Emailed to various District contact lists
- ✓ *Extra effort for High Wood Smoke Areas: Hung door hangers and placed ads weekly print publications*



# Spare the Air

## O'RORKE OUTREACH FOR WOOD SMOKE REDUCTION GRANT PROGRAM 2016

### DOORHANGER

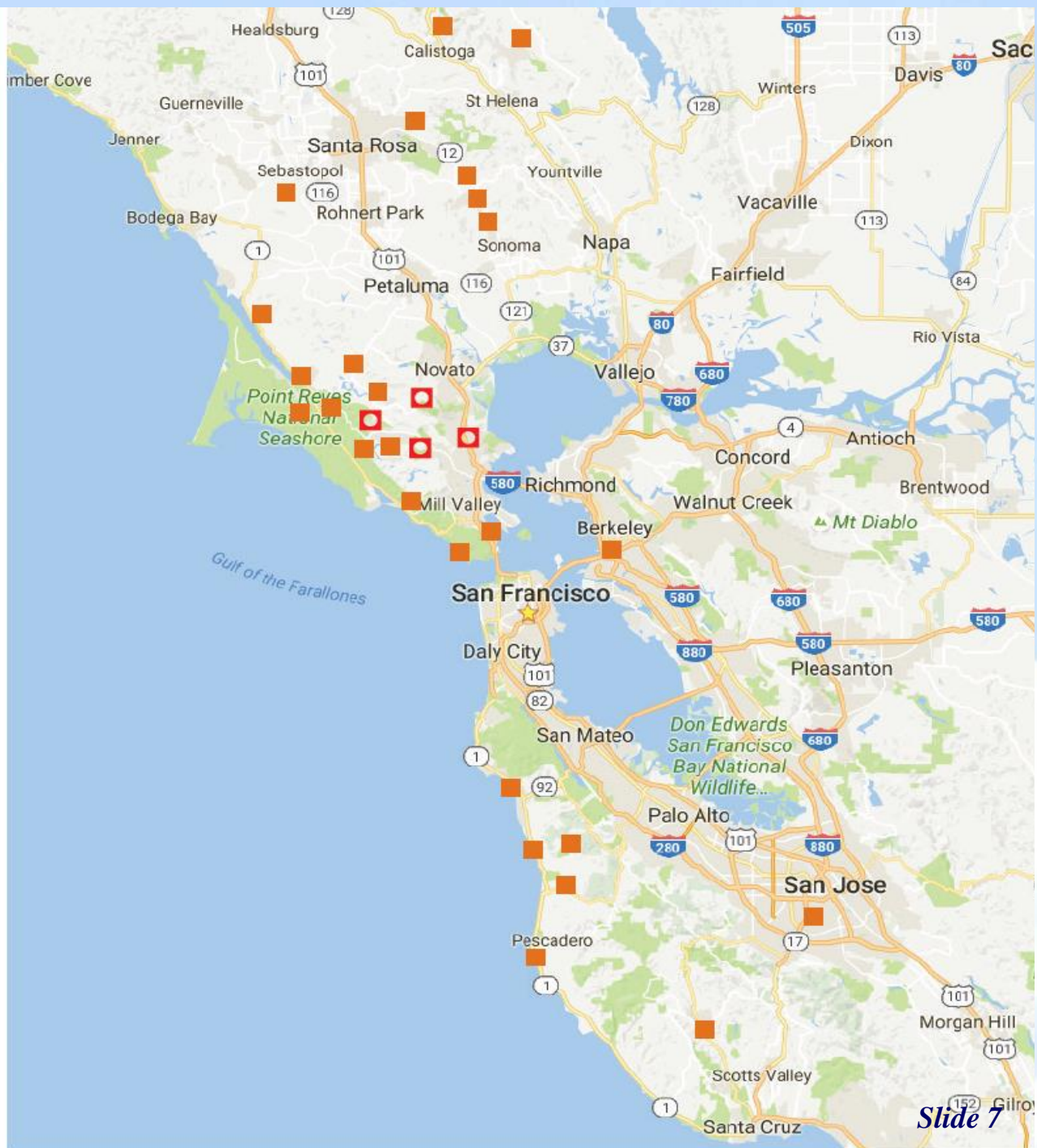


### PRINT AD



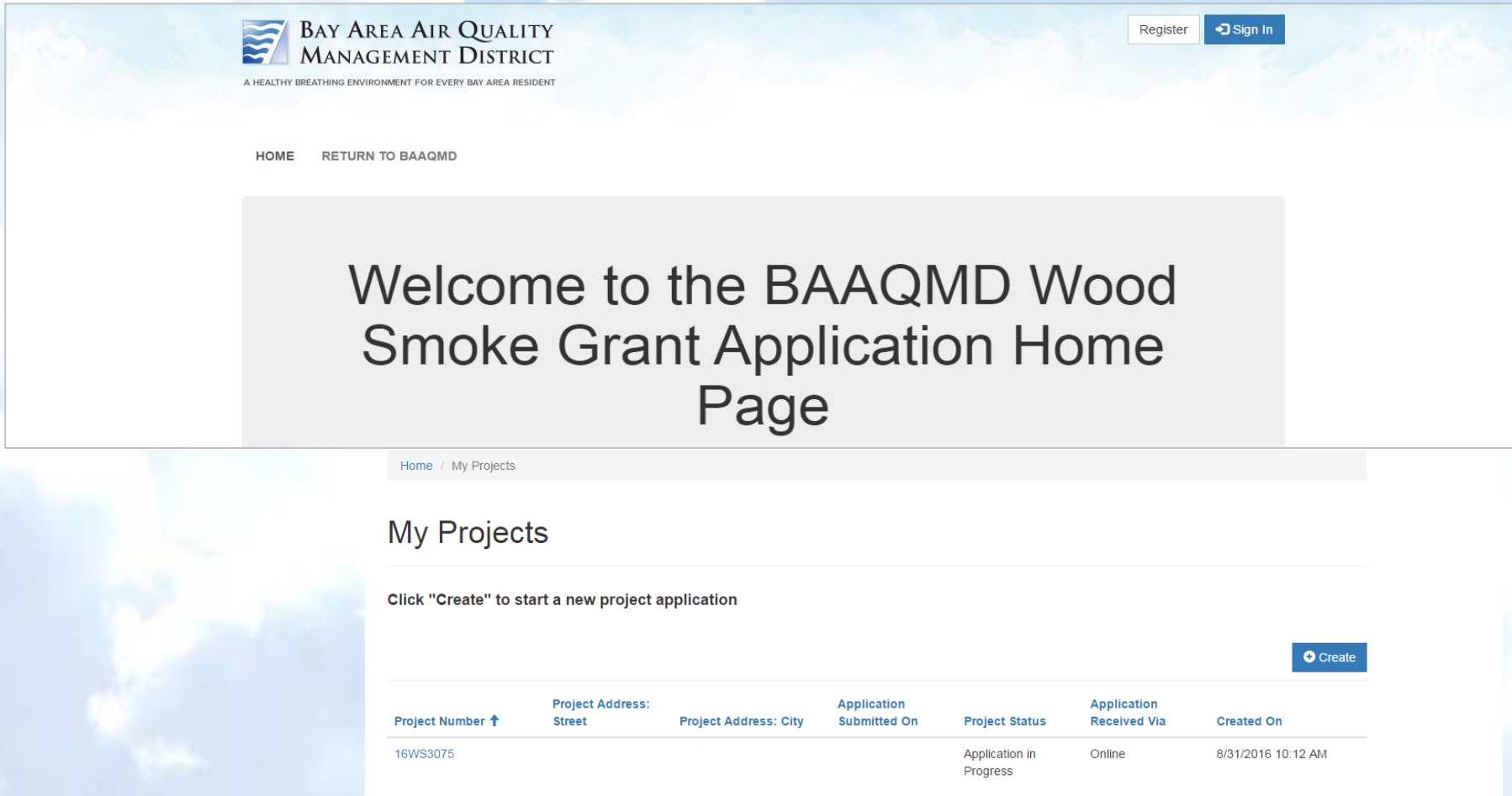
### NEWSPAPERS

- Bohemian
- Campbell Express
- East Bay Express
- Half Moon Bay Review
- Napa Valley Register
- Pacific Sun
- Pt. Reyes Light
- Santa Cruz Sentinel
- Sonoma Index-Tribune
- Sonoma West
- St. Helena Star
- The Weekly Calistogan



# Program Launch

- ◆ Program began accepting applications on August 26, 2016
- ◆ Online application system



The screenshot shows the BAAQMD website interface. At the top left is the BAAQMD logo with the text "BAY AREA AIR QUALITY MANAGEMENT DISTRICT" and the tagline "A HEALTHY BREATHING ENVIRONMENT FOR EVERY BAY AREA RESIDENT". To the right are "Register" and "Sign In" buttons. Below the logo are links for "HOME" and "RETURN TO BAAQMD". A large grey box in the center contains the text "Welcome to the BAAQMD Wood Smoke Grant Application Home Page". Below this is a breadcrumb trail "Home / My Projects". The main heading is "My Projects". A message says "Click 'Create' to start a new project application" with a "Create" button. Below is a table of project applications.

Project Number ↑	Project Address: Street	Project Address: City	Application Submitted On	Project Status	Application Received Via	Created On
16WS3075				Application in Progress	Online	8/31/2016 10:12 AM



# Program Timeline

## Program Follows a 3-Step Process

### *1. Apply for Approval*

- ◆ Submit a project application (online or by mail) with all supporting documentation

### *2. Implement Project*

- ◆ Within 90 days, select a licensed contractor; obtain permits; purchase equipment; complete all project work (equipment replacement or decommissioning)

### *3. Get Reimbursed*

- ◆ After all project work has been completed, submit a reimbursement request with all supporting documentation

# Program Statistics

- As of 9/14, more than 2,345 applications received:
  - ✓ 1,003 received on 8/26
  - ✓ 1,342 waitlist-listed
- Highly Impacted Residents
  - ✓ 150 - Low-Income Assistance
  - ✓ 39 - High Wood Smoke Area Funding
  - ✓ 45 - Sole Source of Heat Exemption Funding

# Program Statistics

Figure 1: Applications by Project Type

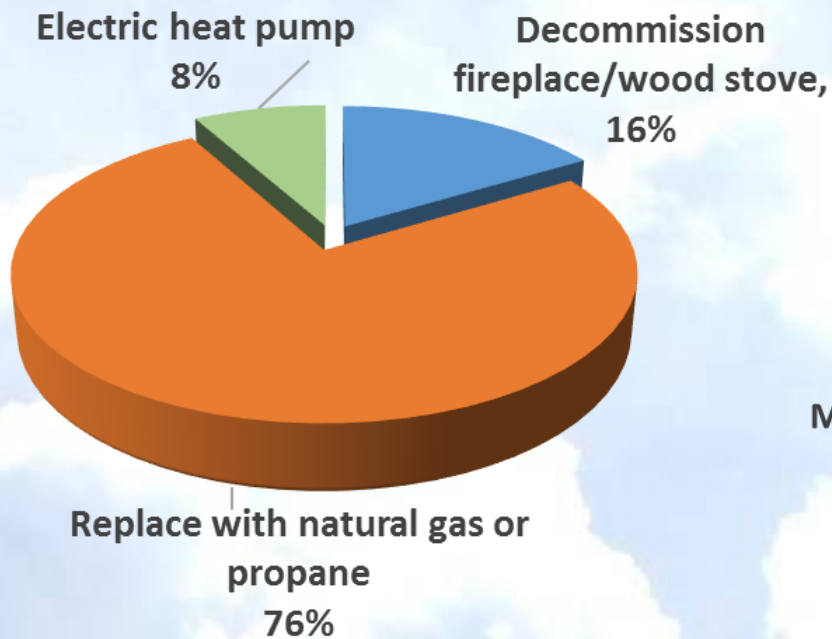
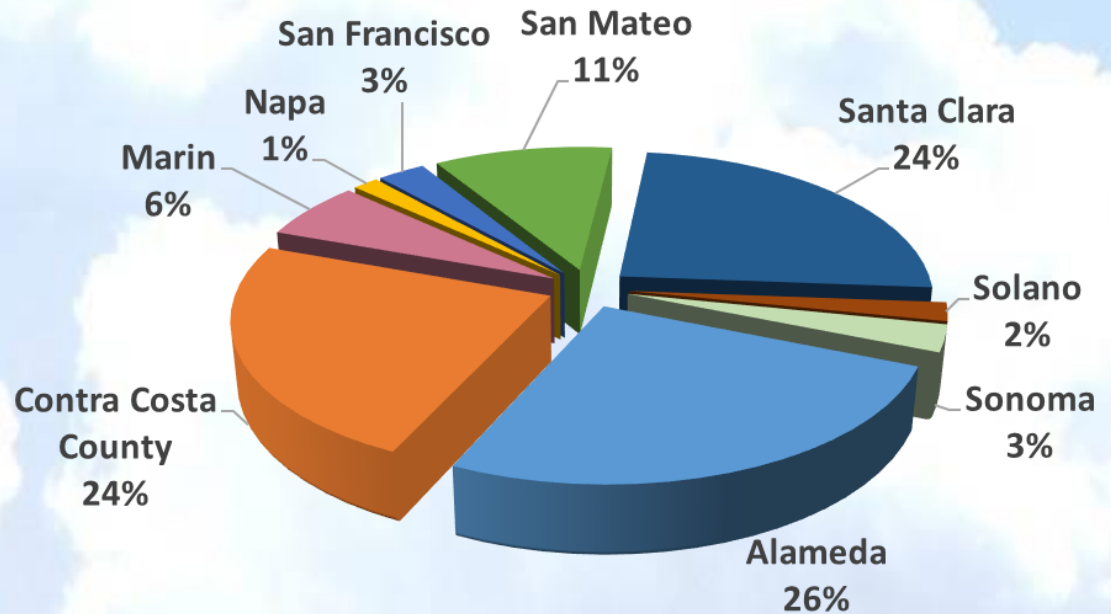


Figure 2: Applications Received by County





# Next Steps

- Application review priority order:
  - ✓ First 1003 applications received
  - ✓ All paper applications received and waitlisted applications that meet one or more HIR criteria
  - ✓ All other waitlisted applications
- Tentative timeline to complete award of funds:
  - ✓ First 1,003 applications ~ by mid-October
  - ✓ All paper applications and HIR waitlisted applicants ~ by October 31
  - ✓ All other waitlisted applications ~ 4-5 months
- Timeline to complete project: 9 – 12 months
- Bring Program status update back to Board ~ Spring 2017

# Summary of Ozone Seasons

Year	National 8-Hour	State 1-Hour	State 8-Hour
2013*	3	3	3
2014*	5	3	10
2015*	5	4	11
2016	12	4	12

**Spare the Air Alerts:** 6/2, 6/3, 6/4, 6/21, 6/28, 7/13, 7/14, 7/15, 7/25, 7/26, 7/27, 7/28, 7/29, 8/11, 8/12, 8/13, 8/18, 8/19, 9/7, 9/17, 9/18, 9/19

**Days > 0.070 ppm 8-hour NAAQS:** 6/2, 6/3, 6/4, 6/30, 7/14, 7/15, 7/25, 7/26, 7/27, 8/12, 8/13, 8/17

\*Based on NAAQS of 0.075 ppm that was in place during those years

# Winter PM<sub>2.5</sub> Seasons

Year	Days > 35 µg/m <sup>3</sup>	Winter Spare the Air Alerts
2012/2013	1	10
2013/2014	15	30
2014/2015	6	23
2015/2016	0	1

- Spare the Air Alert Called for: 1/2
- Days > 35 µg/m<sup>3</sup> 24-hr NAAQS: