



On the Air

District Launches Voluntary Wood Smoke Reduction Program



Heat clean and save green! That's the message of the District's new Wood Smoke Reduction Program, a voluntary pilot program launched this April. The program encourages homeowners to remove or replace their wood-burning fireplace or stove by providing \$500-\$1,000 in cash incentives to help cover the costs. The District Board of Directors approved the program at its March meeting.

In the fall and winter months, the District hears from people concerned about the health effects from wood smoke in their neighborhoods. Breathing in wood smoke – which contains gases and particulate matter –

harms the lungs and heart. Wood smoke from fireplaces and woodstoves makes up nearly a third of wintertime fine particle pollution in Santa Barbara County, according to state data.

This local program is similar to other successful voluntary programs throughout California, and is in line with state efforts to reduce levels of both particulate matter and black carbon, a short-lived climate pollutant emitted when wood burns. Based on the success of this pilot program, the District hopes to position the region to receive additional funds allocated by the California Air Resources Board.

"This voluntary pilot program offers Santa Barbara County homeowners a great opportunity to help reduce wood smoke impacts in their neighborhoods," said District Director Aeron Arlin Genet. "It's a change that can make a big difference in your neighborhood."

The District will provide qualified applicants a \$1,000 check to help cover the costs of replacing a wood-burning stove or fireplace, or a \$500 check to help cover the cost of removing it; actual replacement or removal costs will be higher than the incentive offered. Devices must meet the following requirements.

Qualified devices to be removed or replaced:

- Operable woodstoves (conventional, catalytic, non-catalytic, and pellet)
- Operable wood-burning fireplaces (open hearth and fireplace insert)

Qualified devices to install as a replacement:

- Natural gas or propane fireplace inserts*
- Natural gas or propane free-standing heating stoves*
- Electric heat pumps

**The new device must be heater-rated and comply with the American National Standard ANSI Z21.88/CSA 2.33 (Vented Gas Fireplace Heaters)*

Incentive funds will not be awarded to install the following devices:

- Electric fireplaces
- Ethanol fireplaces
- Gas logs (for decorative purposes)
- Any wood-burning device, including EPA-certified

Incentive funding will be awarded on a first-come, first-served basis, based on the date on which the District deems the application complete, until funds for this limited pilot program are exhausted.

For full program requirements, and to obtain application documents, visit www.OurAir.org/heatclean.

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District Celebrates Guadalupe EV Charging Station

Santa Barbara County's network of public charging stations for electric vehicles (EVs) continues to grow, with the most recent installation of a station in Guadalupe at 880 Guadalupe Street. With two ports to charge two cars at a time, the new station will attract regional and traveling EV drivers visiting the city's downtown area and will encourage city residents to consider driving electric cars. The station will also serve as a key charging location along Highway 1, filling a gap in the existing network of stations between Pismo Beach and Lompoc.

"This is yet another example of the City of Guadalupe looking toward the future and making



Electric cars charge after the ribbon-cutting ceremony in Guadalupe on January 26, 2017.

positive change," said Guadalupe Mayor John Lizalde at a ribbon-cutting ceremony held in January. District Director Aeron Arlin Genet and a representative from a local car dealership were also on hand to celebrate the station's opening.

The District's EV Charging Station Infrastructure Program helped cover the costs of equipment and installation for the station. Per the program's requirements, the station will be publicly accessible all day, every day. Countywide, the program has contributed to the

installation of 16 charging stations, with 28 ports to charge 28 cars. Santa Barbara County has more than 50 public charging stations, and statewide there are more than 11,000 charging stations.

Cars account for a significant portion of air pollution in the state and in the county. Electric vehicles, which produce zero tailpipe emissions, can improve air quality and reduce greenhouse gas emissions. Electric cars in California will get even cleaner over time, as the state's electrical grid increasingly relies on renewable energy sources.

For more information on the District's EV Charging Station Program, visit www.OurAir.org/ev-charging-program.

Agencies Investigate H2S Odors

Last October, the District, County Public Health Department, County Fire Department, and County Office of Emergency Management were involved with the investigation of a release of hydrogen sulfide (H2S) that caused foul odors in the Goleta area over several days.

During the investigation, inspectors identified the source as naturally occurring H2S that was released during drilling of a nearby agricultural water well. County Public Health Department's Environmental Health Services suspended the well drilling permit and worked with the drilling company to ensure that precautions would be taken ahead of resuming drilling. Throughout this incident, District staff investigated potential sources, responded to air quality complaints, and analyzed air

quality monitors and data to ensure that measures taken protected public health.

H2S is a gas that produces a sulfurous odor – which can be similar to a "rotten egg" smell – and can produce health effects at low levels, and severe health effects at high levels. Temporary health effects to low levels of exposure can include headaches, nausea, minor respiratory irritation, and watery eyes. If people experience health effects from H2S exposure, it is recommended that they seal up their house and remain inside as much as possible; if symptoms continue, individuals should leave the area until conditions improve. Those with more serious or persistent health effects – especially those with pre-existing medical conditions – should seek medical attention.

District staff were among representatives from the involved agencies who attended a January 2017 Goleta City Council meeting to brief elected officials on what steps would be taken if a future incident were to occur. In response to the odor incident, the District created a Nextdoor account to provide the District with another means of communicating information to all Santa Barbara County residents.

For more information visit www.OurAir.org/hydrogen-sulfide-in-goleta-area/.

Connect with the District on Nextdoor. Our account can be found under the Santa Barbara County list of public agencies.

Learn More...

Today's Air Quality
www.ourair.org/todays-air-quality

Air Pollution and Health
www.ourair.org/air-pollutants-and-health

Tips for Clean Air
www.ourair.org/tips-for-clean-air

News and Notices
www.ourair.org/news

Students and Teachers
www.ourair.org/learning-about-air-pollution

Rules and Regulations
www.ourair.org/rules-and-regs

Publications and Videos
www.ourair.org/edu/publications

District Finalizes Hydrogen Readiness Plan

District Board Roundup

Following are the highlights of the recent Board meetings.

October 2016

- Approved recommendation of the APCD Hearing Board Nominating Committee to appoint Mr. Lee-Volker Cox to the vacant public position on the APCD Hearing Board for a 3-year term.
- Received and filed a presentation on the 2015 Annual Ambient Air Quality Report for Santa Barbara County.
- Adopted the 2016 Ozone Plan, and in the event of the District's designation for the state ozone standard is changed to nonattainment-transitional, committed the District to reviewing the 2016 Ozone Plan and determining whether the control measures scheduled for adoption or implementation within the next three years are needed.
- Selected Chair Mosby, Vice-Chair Williams, and Board member Peter Adam to serve on the APCD Executive Committee during calendar year 2017.
- Appointed Board member Steve Lavagnino to serve as the representative to the South Central Coast Basinwide Control Council during calendar year 2017.
- Selected Vice-Chair Williams and Board members Bennett, Richardson, Adam, and Patino to serve on the APCD Hearing Board Nominating Committee during calendar year 2017.
- Received and filed an update on the 2016 Vessel Speed Reduction incentive program, and on other initiatives to reduce marine shipping emissions, raise awareness, and pursue funding for future programs.
- Received a presentation on the District's new permitted facilities map.

January 2017

- Elected James Mosby as Chair and Das Williams as Vice-Chair for 2017.
- Received and filed the Fiscal year 2015-16 Financial Audit.
- Received and filed the report dated December 2, 2016 on the air quality sensors study the District conducted with Sonoma Technology, Inc. at Cuyama Valley High School.
- Adopted Resolutions of Appreciation to Salud Carbajal, Doreen Farr, and DeWayne Holmdahl for their service on the Air Pollution Control District Board of Directors.
- Received and filed information about the Santa Barbara County Education Office Education Celebration event on May 25, 2017 to recognize teachers selected for Care for Our Earth grants.
- Adopted a resolution that authorizes the creation of the Wood Smoke Reduction Program to be administered by the Santa Barbara County Air Pollution Control District.
- Received a report on Santa Barbara County's attainment status for State ozone standards and potential revisions to the District's 2016 Ozone Plan rule adoption schedule.

March 2017



Hydrogen cars of various makes and models were on display at the ribbon-cutting ceremony for the Santa Barbara fueling station in May 2016.

In May 2016, supporters joined the District and Community Environmental Council to celebrate the opening of the first retail hydrogen fueling station in Santa Barbara County. The station, at 150 S. La Cumbre Road in Santa Barbara, was among one of the first 20 in California. There are currently 26 retail hydrogen fueling stations in the state, with more expected to open every year.

At the same time, the District and partners had begun developing a Hydrogen Readiness Plan for the tri-counties region, paid for with a California Energy Commission grant. Producing zero tailpipe emissions, hydrogen-powered cars represent one pillar of the state's efforts to reduce greenhouse gas emissions and pollution from transportation. In California, a third of the hydrogen comes from renewable sources.

The goal of the tri-counties Plan – crafted by the District and partners including Community Environmental Council, Central Coast Clean Cities Coalition, and Ventura County and San Luis Obispo County air districts –

is to create a framework for facilitating more hydrogen fueling infrastructure along the Central Coast.

The District and partners are finalizing the Plan and will submit it to the Energy Commission. Key aspects include a siting analysis for future stations; a permitting manual for local planning departments; a list of resources addressing safety for first responders; outreach materials; and an improved database of government and commercial fleets, and an assessment of those entities' interest in including FCEVs.

Moving forward, the District and partners recommend increased outreach, awareness, and education for planners, support for more fueling stations throughout the region, and additional incentives for drivers. "Building a robust clean fuels corridor in our area will make a big difference for our air quality," said District Director Aeron Arlin Genet. "The easier it is for people to drive cleaner cars, the better."

For more information, visit www.ourair.org/edu/clean-air-cars/.

District Board Calendar

Board of Directors

Supervisor Das Williams
Vice-Chair
First District
Santa Barbara County

Supervisor Janet Wolf
Second District
Santa Barbara County

Supervisor Joan Hartmann
Third District
Santa Barbara County

Supervisor Peter Adam
Fourth District
Santa Barbara County

Supervisor Steve Lavagnino
Fifth District
Santa Barbara County

Mayor Holly Sierra
City of Buellton

Councilmember Al Clark
City of Carpinteria

Councilmember Michael T. Bennett
City of Goleta

Mayor John Lizalde
City of Guadalupe

Councilmember James Mosby
Chair
City of Lompoc

Mayor Helene Schneider
City of Santa Barbara

Mayor Alice Patino
City of Santa Maria

Mayor Jim Richardson
City of Solvang

All meetings start at 1 p.m. For meeting agendas, call Sara Hunt at 961-8853 or visit www.ourair.org.

Check the website for updated information, as meetings can be changed or cancelled.

May 18, 2017

Board of Supervisors'
Hearing Room
511 East Lakeside Parkway
Santa Maria, California
93455

June 15, 2017

Board of Supervisors'
Hearing Room
105 East Anapamu Street
Santa Barbara, California
93101 *(Location may change)*

August 17, 2017

Board of Supervisors'
Hearing Room
105 East Anapamu Street
Santa Barbara, California
93101

Community Advisory Council

The District Community Advisory Council meets as needed, often the 2nd Wednesday of the month, in Buellton. The public is welcome. For more information, call Sara Hunt at 961-8853 or visit www.ourair.org.

Catching Air Exhibit Opens

Families flocked to the Santa Maria Valley Discovery Museum on Saturday, December 10, 2016 to play with "Catching Air," the new exhibit developed and funded by the District, working with the Museum, that encourages young kids to learn about air in a fun, colorful way. "Catching Air" allows children (and adults!) to place objects like gauzy scarves and fuzzy balls in clear tubes, which move the items around in several directions before they fly out into the museum. "Catching Air" is one of our main attractions on the museum floor. Everyone from toddlers to grandparents loves pushing balls and scarves into the tubes and watching them fly through the air," said Discovery Museum Program Director Amy Blasco.



<http://smvdiscoverymuseum.org/>

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260 N. San Antonio Rd. Suite A
Santa Barbara, CA 93110-1315
Business Assistance
(805) 961-8868
Daily Air Quality Report
www.ourair.org/todays-air-quality
Complaints/Public Information
(805) 961-8800
Air Quality Advisory Information
(805) 961-8802
Website
www.ourair.org
Publications and Videos
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Twitter @OurAirSBC and @sbcafree



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On the Air is a quarterly
newsletter written by Lyz Hoffman,
edited by Mary Byrd, and published by
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the Santa Barbara County Air Pollution
Control District.



2016 Marine Shipping Program Cut Emissions, Protected Whales

Ten shipping companies that participated in a voluntary incentive program organized by the District and partners helped cut more than 25 tons of smog-forming NOx emissions and more than 1,000 metric tons of greenhouse gases last year.

Running from July 1 - November 15, the 2016 Vessel Speed Reduction Program – building on award-winning efforts of the 2014 trial program and a yearlong work group process in 2015 – provided incentives ranging from \$1,500 to \$2,500 to shipping lines that slowed down to 12 knots or less in the Santa Barbara Channel area. Reducing ship speeds not only cuts air emissions but also decreases the likelihood of fatal strikes on whales that feed in the Channel region.

The 2016 program was a partnership between District, the



Four of the shipping lines that participated are pictured (left to right): CT Chen, Evergreen Line; Ignacio Rodriguez, K Line; Roderick A. Wagoner, MOL America; Eduardo A. Cestafe, Hapag Lloyd.

Ventura County Air Pollution Control District, NOAA's Channel Islands National Marine Sanctuary, National Marine Sanctuary Foundation, and Volgenau Foundation. The 10 companies that participated – CMA CGM, Evergreen, Hamburg Sud, Hapag Lloyd, Holland, K Line, Maersk, MOL, NYK Line, and Yang Ming – were

recognized at the January meeting of the Channel Islands National Marine Sanctuary Advisory Council.

Additional incentives up to a combined \$1,250 were available to ships that slowed down to 10 knots or less, submitted detailed whale sightings reports, and demonstrated that schedules

were adjusted so that ships didn't have to speed up elsewhere along their route. Compared to the 2014 trial program, the 2016 program provided incentives for nearly double the number of transits, received applications for more than four times the number of transits, and achieved nine tons more in NOx emissions reductions. Ship crews also provided detailed whale sightings information during their transits.

Response to the 2016 program was positive, with most of the companies whose ships traverse the California coast indicating interest in an expanded program.

For more information, and to see a recently completed film on the initiative, visit www.OurAir.org/air-pollution-marine-shipping.

Permitted Facilities Map — and Permits — Now Available Online

Want to learn more about the 1,000-plus stationary sources regulated by the District? To make information about the facilities permitted by the District more easily accessible, the District developed an online map that provides access to companies' permits and most-recent annual reports.

Prior to the map's publication, the public would have to contact the District and request copies of facility records. Making the documents available online



provides the information immediately and eliminates staff time spent on the process. The map also aids staff in identifying the location of new permit

applications in relation to existing facilities and assists inspectors when responding to odor and air quality complaints.

The map organizes the facilities by type (e.g., dry cleaners,

autobody shops, oil and gas production), and allows you to see all of them at once or filter them; you can also search for specific facilities by name or

Assessor's Parcel Number (APN). You can also enter a specific address to see all sources within a chosen distance of that address; there are also filters to locate District offices, air monitoring stations, and schools.

To view the map, visit <http://map.ourair.org>.

To see a permit or annual report not accessible through the map, or to ask for further information about a facility beyond what is available, a Public Records Act request must be submitted to the District.

NSR Rules Approved By Board

The District's New Source Review (NSR) permitting regulations and the associated Environmental Impact Report were updated with unanimous approval by the District Board of Directors at its August 2016 meeting. Changes to the regulations, last made in 1997, were designed to reflect recent regulatory mandates and to simplify the permitting process while maintaining equally

stringent requirements. NSR helps the District meet its air quality goals. The rules require the District to review proposed projects by evaluating proposed emission controls, mitigation packages, and ambient air quality standards for new or modified stationary sources of air pollution.

Changes involved updating calculation methodologies, adding particulate matter less

than 2.5 microns in diameter (PM_{2.5}) to the list of regulated pollutants, creating clearer rule text, and adding a new mandated Federal Minor Source NSR rule. The offsets program was also amended to create one offset zone within the county instead of three, and to allow trading among the three tri-counties, which share the same air basin. The Environmental Impact Report

analyzed all revisions and found no significant adverse environmental impacts. Prior to going before the Board of Directors, the proposed rule changes were presented to the public in two separate workshops and were reviewed by the District's Community Advisory Council in 2015.

For more information, visit www.OurAir.org/NSR.

Car Free 2017 Promotion



Visitors to Santa Barbara can enjoy another year of special perks if they get out of their car for their getaway. As in previous years, throughout 2017, Santa Barbara Car Free and its partners are offering tourists two incentives: 1) a 20 percent discount on tickets for the Amtrak Pacific Surfliner and Amtrak Coast Starlight trains arriving to and departing from the Santa Barbara area, and 2) unique deals at local hotels and businesses for customers who show their train ticket. The District founded Santa

Barbara Car Free nearly 20 years ago to encourage car free travel to and around Santa Barbara, reducing air pollution from cars and encouraging visitors to explore the area by walking, bicycling, and riding buses and electric shuttles. The District continues to lead Santa Barbara Car Free, with support from more than 100 local businesses, organizations, and individuals.

After arriving on the Amtrak Pacific Surfliner – which runs from San Luis Obispo to San Diego – or on the Amtrak Coast

Starlight – which runs from Seattle to Los Angeles – Santa Barbara travelers will enjoy special experiences by showing their train ticket at the following businesses:

- Adventure Company of Santa Barbara
- Captain Jack's Tours & Events
- Condor Express
- Eat This, Shoot That! Santa Barbara Food & Wine Tours
- I Bike Santa Barbara
- MOXI, The Wolf Museum of Exploration + Innovation
- Paseo Nuevo
- Santa Barbara Maritime Museum
- Santa Barbara Sailing Center
- Santa Barbara Trolley Company
- Santa Barbara Zoo
- Sunset Kidd Sailing Cruises and Yacht Sales
- Wheel Fun Rentals
- Wine Edventures

Visitors can also receive special offers at the following hotels:

- Beach House Inn
- Belmond El Encanto
- Best Western Plus Encina Inn & Suites
- Best Western Plus Pepper Tree Inn
- Brisas del Mar, Inn at the Beach
- Cheshire Cat Inn
- Hotel Indigo Santa Barbara
- Hotel Santa Barbara
- Inn by the Harbor
- Lavender Inn by the Sea
- Old Yacht Club Inn
- Santa Barbara Inn
- Upham Hotel

For more details on how the program works, and for ideas on going car free throughout other areas of Santa Barbara County, visit www.SantaBarbaraCarFree.org.