

#### YOUNG LEADERS ADVISORY COUNCIL

#### **Advisory Council Members**

Fabian R. Wesson, Chair

James Albert

Joshua Bell

Michelle Benavides

José Trinidad Castañeda, III

Michelle Choi

Elise Eifler

Cristian Garza

David Herman

Evelyn Hurtado-Doppenberg

Cassie Nguyen

Nithya Palani

Brian Robey

Paije Rush

Lizbeth Sierra

Janielle Vidal

Mikayla Winfery

Rossmery Zayas

## July 25, 2018 ♦ 12:30 p.m. ♦ Conference Room CC-2 21865 Copley Drive, Diamond Bar, CA 91765

Call-in for listening purposes only is available by dialing: Toll Free: 1-888-394-8197 Listen Only Passcode: 8682951

#### **AGENDA**

#### **CALL TO ORDER**

#### **ACTION ITEMS (Items 1 through 3):**

1. Call to Order/Opening Remarks (*No Motion Required*)

Fabian Wesson Assistant Deputy Executive Officer/Public Advisor Legislative, Public Affairs & Media Young Leaders Advisory Council

2. Approval of May 30, 2018 Meeting Minutes (*Motion Required*) [Attachment 1]

Fabian Wesson

3. Review of Follow-Up/Action Items
(No Motion Required)
Staff will review the follow-up/action items identified in the previous meeting.

Monika Kim Legislative Assistant Legislative, Public Affairs & Media

#### **DISCUSSION ITEMS (Items 4 through 6):**

4. 2016 Air Quality Management Plan (AQMP) (No Motion Required)
Staff will provide a presentation on the 2016 AQMP.
[Attachment 2]

Zorik Pirveysian Planning & Rules Manager Planning, Rule Development & Area Sources

SCAQMD State Legislative Update
 (No Motion Required)
 Staff will give an update on the 2017-18 state legislative session.
 [Attachment 3]

Philip Crabbe Community Relations Manager Legislative, Public Affairs & Media

6. Member Updates (No Motion Required)

All

#### **OTHER MATTERS:**

7. Other Business

Any member of this body, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Govt. Code Section 54954.2)

8. Public Comment Period

Members of the public may address this body concerning any agenda item before or during consideration of that item (Govt. Code Section 54954.3(a)). All agendas for regular meetings are posted at District Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of a regular meeting. At the end of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the Young Leaders Advisory Council's authority. Speakers may be limited to three (3) minutes each.

9. Next Meeting Date – Wednesday, October 24, 2018 at 12:30 p.m.

#### **ADJOURNMENT**

### Young Leaders Advisory Council

#### **Document Availability**

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available prior to the meeting for public review at the South Coast Air Quality Management District, Public Information Center, 21865 Copley Drive, Diamond Bar, CA 91765.

#### **Americans with Disabilities Act**

The agenda and documents in the agenda packet will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). Disability-related accommodations will also be made available to allow participation in the Legislative Committee meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Monika Kim at (909) 396-2342 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to mkim@aqmd.gov.



### YOUNG LEADERS ADVISORY COUNCIL ADVISORY COUNCIL MEETING WEDNESDAY, MAY 30, 2018

#### **MEETING MINUTES**

#### **MEMBERS PRESENT**

James Albert
Joshua Bell
Jose Trinidad Castañeda III
Michelle Choi
David Herman
Evelyn Hurtado-Doppenberg
Cassie Nguyen
Nithya Palani
Brian Robey
Paije Rush
Janielle Vidal
Mikayla Winfery

#### **MEMBERS ABSENT**

Michelle Benavides Elise Eifler Cristian Garza Teresa Ramirez Mariangela Rincon Lizbeth Sierra Charles Smith Melissa Taha

#### **SCAQMD STAFF PRESENT**

Fabian Wesson, ADEO/Public Advisor, Legislative, Public Affairs & Media Nancy Feldman, Principal Deputy District Counsel, Legal Dr. Pedro Piqueras, AQ Specialist, Health Effects Monika Kim, Legislative Assistant, Legislative, Public Affairs & Media Brandee Keith, Secretary, Legislative, Public Affairs & Media

#### **Agenda Item 1: Call to Order/Opening Remarks**

Ms. Fabian Wesson called meeting to order at 12:35 PM and welcomed everyone to the meeting. A round of introductions followed.

#### **Agenda Item 2: Approval of February 28, 2018 Meeting Minutes**

Mr. Jose Trinidad Castañeda motioned to approve the February 28, 2018 Advisory Council meeting minutes. The motion was seconded by Ms. Mikayla Winfery, and passed with no objections.

#### **Agenda Item 3: Review of Follow-Up/Action Items**

Ms. Monika Kim reviewed the action items from the February 28, 2017 meeting:

In response to Mr. Castañeda's inquiry on how communities could apply for air quality sensors to be installed in their area, Ms. Kim reported that residents and communities could apply through the Public Comment period at an SCAQMD Board Meeting.

In response to Ms. Evelyn Hurtado-Doppenberg's inquiry whether it would be a conflict for members of the YLAC to endorse third-party statements or comments regarding SCAQMD, Ms. Kim confirmed this would not be a conflict.

In response to a question by Mr. Cristian Garza, regarding whether all transit costs to and from YLAC meetings, including Greyhound transportation, would be reimbursed, Ms. Kim confirmed all forms of transportation would qualify for reimbursement.

Ms. Wesson added to the follow-up discussion, noting that while all members were free to comment on and endorse opinions regarding SCAQMD, it was respectfully requested that members not participate in attacks on the District. She also reminded members to keep all receipts for transportation costs, to submit with reimbursement requests.

#### Agenda Item 4: Air Pollution and its Effects on Health – Dr. Pedro Piqueras

Ms. Wesson introduced Dr. Pedro Piqueras, who delivered an extensive presentation on the compositions, behavior, and effects of different kinds of air pollution. The presentation went into further detail of conditions that can exacerbate pollution levels and health effects, as well as efforts underway (as per the MATES series of studies) to monitor, improve and plan future strategies for reducing pollution.

Mr. Castañeda asked how many new staff SCAQMD would hire in order to support increased efforts in air quality monitoring and AB 617 projects. Ms. Wesson clarified that the District currently only has funds for one year, and while the District continues to work with legislators on securing funding for AB 617 efforts beyond one year, future hiring and other efforts would largely depend on future legislative action. Mr. Castañeda inquired about which legislators needed more encouragement from the public to help SCAQMD obtain additional funding to implement AB 617.

**Action Item:** Staff to inform YLAC members about which legislators to contact regarding an increase in AB 617 funding.

**Staff Response:** SCAQMD received funding for AB 617 implementation for 2017. For 2018, a deal was agreed to by the Legislature and signed by the Governor, although the amount that SCAQMD will receive is still under negotiation. Given the agreement, there is no need to contact any legislators regarding an increase in AB 617 funding.

Mr. Castañeda asked if SCAQMD had considered subcontracting to non-profits for community outreach, and Ms. Wesson confirmed efforts to do so are already underway.

Ms. Paije Rush brought up that air pollution had also been shown to have an effect on mental health. Dr. Piqueras agreed and expanded on the point, and Mr. David Herman shared some preliminary findings in a study on the effects of air pollution (particulate matter and ozone) on respiratory and cardiovascular health.

Mr. James Albert asked who determines the source locations on MATES maps. Dr. Piqueras clarified that source location is determined by facility addresses as defined by permits. He further clarified that some sources are not included in MATES maps because they do not require permits as a facility, and the maps account for data pertaining to specific rules. With changes in approach and rules, future studies will include more varied information. Mr. Albert raised concerns about not seeing certain sources from the San Bernardino area on the map, including the BNSF railway and the area where Omnitrans refills gas tanks near a school.

Ms. Janielle Vidal asked for more clarification on the strategies taken in AB 617 meetings, such as what types of monitors would be used, and if public outreach and education would be explored. Dr. Piqueras responded that efforts would depend on individual communities and their needs, which Ms. Wesson seconded. Ms. Vidal asked if communities could be educated on how to reduce their contact and exposure to air pollution, and Ms. Wesson and Dr. Piqueras stated education in the community would be involved.

Ms. Vidal noted that lead was not listed as a priority issue in terms of monitoring, though recent events with facilities like Exide had demonstrated the danger of lead as a contaminant in the air. Ms. Wesson stated that while SCAQMD monitors lead at Exide, the Department of Toxic Substances Control (DTSC) overlooks the clean-up at Exide.

Mr. Herman asked if SCAQMD would be encouraging the use of personal PM monitors, and if so, which ones. Dr. Piqueras gave a brief rundown of SCAQMD's AQ SPEC program, which would verifies the accuracy of low cost sensors. Additionally, SCAQMD has deployed Purple Air Sensors. There was a quick rundown of the areas in which Mr. Herman's research efforts would overlap with SCAQMD monitoring.

Mr. Castañeda expressed his thanks for outreach and tools which have been made available to the community in recent years.

Ms. Cassie Nguyen asked for an estimated conclusion on the effects of secondhand smoke contributing to PM. Dr. Piqueras pointed out that secondhand smoke was a primarily indoor issue and in comparison to larger sources like transport and warehouses, the concentration of secondhand smoke as part of overall PM would be very low.

#### **Agenda Item 5: Lab Tour**

The lab tour was postponed the end of the meeting, and the Advisory Council moved to Agenda Item #6.

#### **Agenda Item 6: Member Updates**

Mr. Brian Robey expressed interest in discussing manners in which his district could assist in AB 617 outreach efforts.

Mr. Albert mentioned that he and Mr. Joshua Bell had attended the Governing Board Meeting during which the Indirect Source Rule was considered, and reported that the decision on that rule had been a very big victory for their communities. Ms. Wesson reminded members they could attend planning meetings for upcoming rules and participate in the process.

Ms. Rush shared information about her work with local homeless communities, and informed the council that she plans to organize an initiative for distributing toiletries to the homeless communities, as well as developing a means for distributing water with elements of aromatherapy to help with issues of mental health. Ms. Vidal offered some info on a similar initiative she participated in, suggesting a contact for collaboration.

Mr. Herman shared more information regarding studies on air pollution effects in mice, to explore whether females undergoing menopause experience worse health effects than younger (ovum-intact).

Ms. Vidal welcomed interested members to collaborate with the UCI Science Policy Group, who sponsor advocacy projects and trips for education on policy.

Mr. Castañeda shared his work with the William C. Velasquez Institute, who work in providing Spanish outreach for a rainwater reclamation group, and expressed interest in future collaborations with group members for improvements in air quality.

Ms. Michelle Choi introduced herself and Ms. Nithya Palani as members of the California Environmental Health Organization (CEHA). Ms. Palani shared some of their past efforts as members of CEHA and expressed an interest in scheduling speakers on topics of environmental health.

Ms. Hurtado-Doppenberg shared the results of a recent harvest of organic squash in her community garden, and invited members to come enjoy the squash.

Ms. Winfery recounted her involvement with the issues of hexavalent chromium in Los Angeles, which became the basis for her Girl Scouts Gold Award, and her efforts have been recommended for national recognition. She also shared the possibility of working with representatives from Senator Cory Booker's office on outreach and environmental justice in communities of color and underserved communities.

### **Agenda Item 7: Other Business**

Mr. Castaneda announced that May 31<sup>st</sup> would be the last day to apply for the Civic Spark Fellowship, a program helping young people build their climate career.

### **Agenda Item 9: Adjournment**

The meeting adjourned at 2:00 PM, after which Ms. Kim led members on the lab tour.







Young Leaders Advisory Group July 25, 2018

## What is the South Coast AQMD?



### Air pollution control agency

 Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties

### Responsibilities

- Control emissions from stationary sources (e.g., from power plants, refineries, gas stations, painting facilities, etc.)
- Comply with EPA's air quality standards
- Permit and inspect 28,400 affected businesses

## SCAQMD Jurisdiction

### South Coast Air Basin:

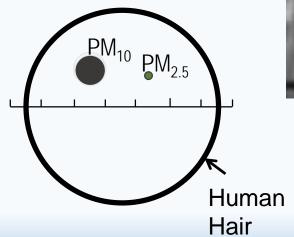
- 4-county region
- 10,743 sq. miles
- Over 16 million residents
- Over 10 millions of gasoline vehicles
- 300,000 diesel vehicles
- Ports of Long Beach and Los Angeles
   Combined = nation's largest cargo gateway



## **Key Pollutants**

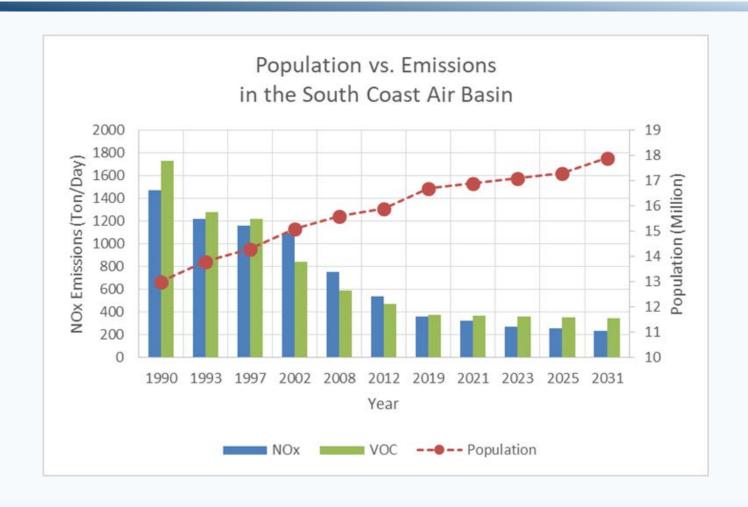
- Ozone (summer smog)
  - Building Blocks
    - ✓ VOC, Nox
- Fine Particles (PM2.5)
  - Building Blocks
    - ✓ SOx, PM2.5, NOx, VOC, Ammonia



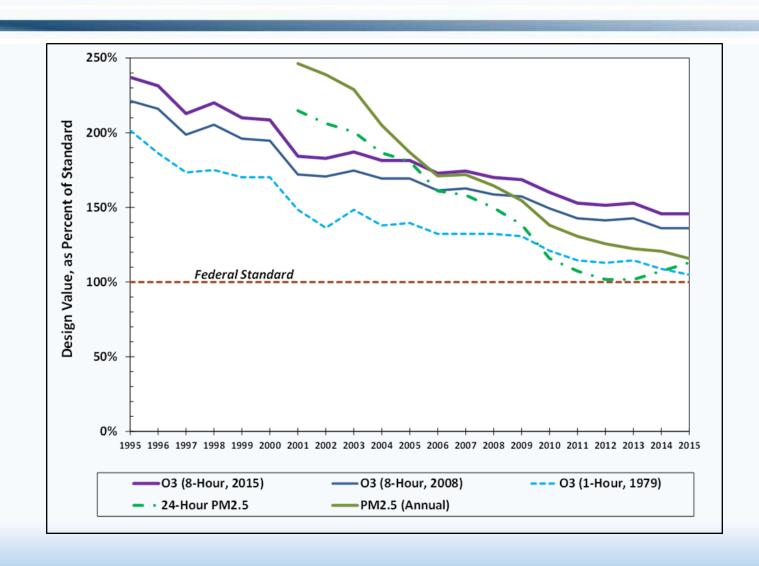




# Significant Emissions Reductions Achieved Despite Population Growth



# Ozone and PM2.5 Air Quality Trends



# Federal Ozone and PM2.5 Air Quality Standards and Classifications



Standard	Concentration	Classification	Attainment Year
2008 8-hour Ozone	75 ppb	Extreme	2031
2012 Annual PM2.5	12 ug/m3	Moderate/Serious	2021/2025
2006 24-hour PM2.5	35 ug/m3	Serious	2019
1997 8-hour Ozone	80 ppb	Extreme	2023
1979 1-hour Ozone	120 ppb	Extreme	2022

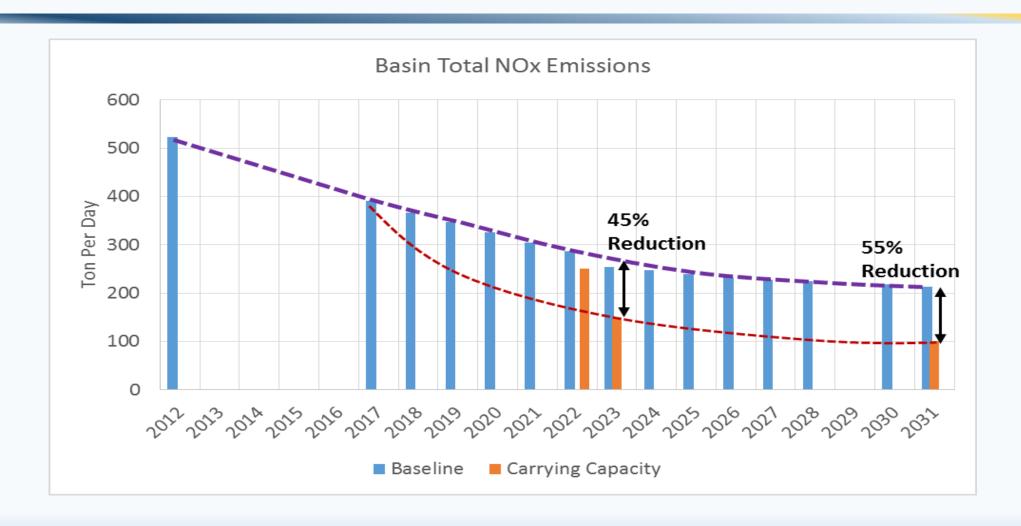
# 2016 Air Quality Management Plan (AQMP)

 Blueprint for how to meet and maintain state and federal air quality standards

 The 2016 AQMP is the SCAQMD's 11th Plan



# 2016 Air Quality Management Plan - Significant NOx Reductions Needed for Ozone/PM2.5 Attainments



# Public Health Implications

# Regional Air Pollution = 4,000 premature deaths annually

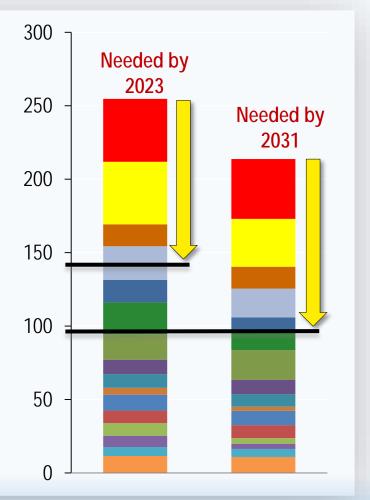
## 2016 AQMP will result in:

- An average of 1,600 premature deaths avoided per year
- ~2,500 fewer asthma-related emergency room visits per year
- ~700 fewer hospital admissions related to asthma, cardiovascular, or respiratory conditions per year
- >200,000 fewer person-days of work and school absences/year

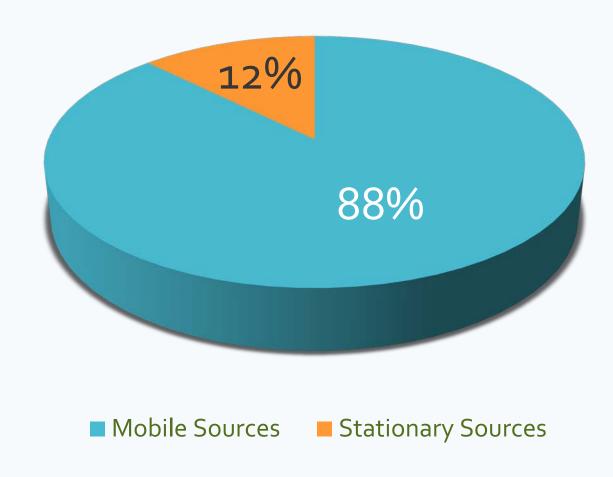
Public health benefits estimated to be \$173 billion cumulatively (2017-2031)

## **NOx Reductions Needed**

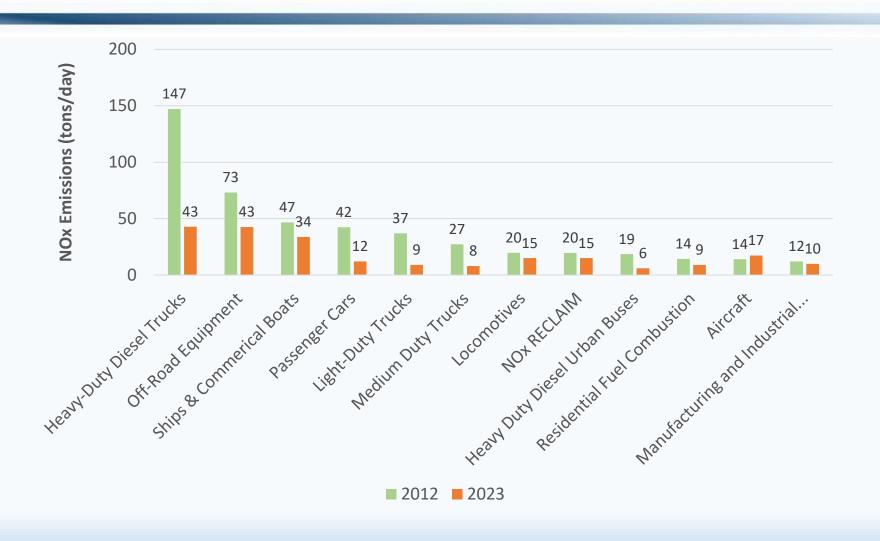
- Heavy-Duty Diesel Trucks
- Off-Road Mobile Equipment
- RECLAIM
- Ocean Going Vessels
- Locomotives
- Cars/Light-Duty Trucks/SUVs
- Aircraft
- Manufacturing and Industrial
- Residential Fuel Combustion
- Heavy-Duty Gas Trucks
- Commercial Harbor Craft
- Service and Commercial
- Buses
- Medium-Duty Trucks
- Recreational Boats
- Other



# Sources of NOx: Mobile vs. Stationary (2012)



## Top NOx Emitters in 2012 and 2023



## **Mobile Source Control Authority**

- 88% of NOx comes from mobile sources
- SCAQMD has Limited local authority over mobile sources







## Stationary Source Strategy

Limited feasible regulatory options remaining for NOx reductions

- Reductions in NOx from non-refinery flares
- NOx controls for cooking appliances
- Further NOx reductions from RECLAIM reassessment
- Commercial/Residential equipment
- Alternatives to Diesel Back-up Generators

If all stationary sources brought to zero emissions, would still not meet goals

## **Mobile Source Strategy**

- State-level commitment for ALL mobile source emission reduction needs
  - Proposed regulations
    - low-NOx engine standard
    - Advanced clean transit, airport shuttle buses, etc.
  - AQMD's Facility-Based Mobile Source Control Measures
    - Ports, Airports, Rail yards, Warehouses, New/Redevelopment
  - Deployment of advanced cleaner technologies
    - Incentive Programs
    - Technology Demonstration







## Mobile Source Technologies Needed for Attainment Exist

- Electric passenger vehicles
- Electric/hybrid medium-duty trucks
  - Fed-Ex, UPS, Frito-Lay
- Heavy-duty electric trucks being demonstrated
  - Class 7-8 trucks
  - Challenges range, cost, infrastructure
- Zero-emission technologies for other categories
  - Off-road equipment, transit buses
- Next generation natural gas heavy-duty trucks (90% lower NOx)



## Role of Financial Incentives

- Technology Demonstration and Commercialization
- Incentives to date (since 1998)
  - \$1.5 Billions
  - 22,000 Vehicles/Equipment Replaced/repowered/retrofitted
  - 17,000 tons of NOx reduced
  - 500 tons of PM reduced
- Incentive funding needed to achieve 2016 AQMP reduction targets

## **Funding Needed**

- Accelerated early deployment of zero and near-zero technologies for mobile and stationary sources
- Significant expansion of financial incentive programs needed
- Mobile source emission reduction estimated total funding range \$10 to \$12 billion over next 15 years
- Stationary source emission reductions estimated total funding range -\$1 to \$2 Billion over next 15 years
  - About \$1Billion needed per year

# Example Funding Sources – All options being

evaluated

# Expanding Existing Sources

- Diesel Emissions Reduction Act (DERA), Air Shed Grants
- U.S. Department of Energy (Clean Cities Program)
- Carl Moyer Program
- Proposition 1B
- Low Carbon Transportation Funding (CARB)
- AB 118 AQ Improvement Program/Fuel & Vehicle Technology Program
- AB 2766 Local Governments
- SCAQMD Clean Fuels Fund

# New Potential Sources

- VW Settlement
- Future DERA Funding
- Cargo Container Fee
- Mileage-Based (VMT) User Fee
- Gas Sales Tax
- Public/Private Partnerships
- Expand DMV Registration Fees and Low Carbon Transportation Funding

# NOx / VOC Control Measures

AQMP Control Measure	SCAQMD Activity	Schedule
RECLAIM Assessment (CMB-05)	Rules 2001, 2002 Rule 1118.1 Rule 1110.2 Rule 1134 Rule 1135 Rules 1146, 1146.1, 1146.2 Rule 1109.1 Rules 1147.1, 1147.2 and 1147.3	January 2018 September 2018 September 2018 October 2018 November 2018 November 2018 December 2018 2019
Non-Refinery Flares (CMB-03)	Rule 1118.1	September 2018
Incentive Measures: Stationary Sources (CMB-01) Commercial and Residential Applications (CMB-02) Residential Building Energy Use (ECC-03) Mobile Sources (MOB-14)	Up to \$61M Request for Proposals released January 2018	81 proposals received – evaluation in progress
Coatings, Solvents, Adhesives, and Sealants (CTS-01)	Rule 1168	October 6, 2017 (1.4 tpd > 1 tpd VOC AQMP commitment)

## **Toxic Control Measures**

AQMP Control Measure	SCAQMD Activity	Schedule
Metal Particulate from Metal Grinding Operations (TXM-01)	Rule 1430	March 3, 2017
Metal Particulate Emissions from Contaminated Soil (TXM-04)	Rule 1466	July 7, 2017
Lead Emissions from Stationary Sources (TXM-07)	Rule 1420	December 1, 2017
Metal Particulate Emissions from Plating and Anodizing Operations (TXM-02)	Rule 1469	September 2018
Toxic Emissions from Metal Melting Facilities (TXM-06)	Rules 1407, 1407.1	September 2018

# SCAQMD Mobile Source Control Measures

AQMP Control Measure	SCAQMD Activity	Schedule
Facility-Based Mobile Source Control Measures (MOB-01 to MOB-04, EGM-01)	Staff recommendation for each sector for Board consideration	May 4, 2018
Fleet Rule Enhancement (MOB-07 and MOB-08) plus adopted Board motion	Rule 1190 series – sponsored legislation for expanded authority	2019-2020 (pending legislative authority)

## **Contact Information**

## **Zorik Pirveysian**

Planning and Rules Manager South Coast Air Quality Management District



21865 Copley Drive Diamond Bar, CA 91765 (909) 396-2431

zpirveysian@aqmd.gov



# South Coast AQMD 2017-2018 State Legislative Update

Philip Crabbe
Community Relations Manager
July 25, 2018

# Programs and Responsibilities

## Government Relations (Local, State and Federal)

- Engage and build relationships with elected officials and their staffs
- Respond to inquiries and concerns of elected officials re SCAQMD activities and air quality issues
- Educate officials and staff about SCAQMD priorities
- Participate, testify, and provide comments at city council and COG meetings
- Educate and work with stakeholders that engage on relevant issues

# Programs and Responsibilities

## Legislative Affairs (State and Federal)

- Analyze legislation and recommend positions to Governing Board (support or oppose)
- Draft amendments and sponsor legislation
- Work with our state and federal consultants (our lobbyists) to support or oppose selected bills and obtain needed funding for clean air efforts
- Visit Sacramento and Washington, DC to meet with executive and legislative branch officials on policy
- Respond to inquiries and requests for input from policymakers

# Legislative Affairs - cont.

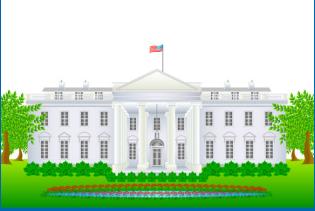
U.S. Capitol







White House





**State Capitol** 







Governor's Office

## 2017 State Legislative Accomplishments

- Two SCAQMD sponsored bills:
  - AB 1132 (C. Garcia)
  - AB 1274 (O'Donnell)
- > Funding to support AQMP clean air efforts

# 2017 SCAQMD Legislation

➤ AB 1132 (C. Garcia) — authorizes Air Pollution Control Officers to issue temporary orders of abatement pending a hearing to address imminent and substantial endangerment to public health or the environment caused by a facility's toxic emissions — (new law)

## 2017 SCAQMD Legislation

AB 1274 (O'Donnell) – Beginning in 2019, defers a smog check for motor vehicles by 2 years, from the end of model year six to eight. The smog check costs consumer would have paid (\$50 in total) is redirected to the Carl Moyer Program for more effective reductions in diesel PM and NOx emissions from heavy duty vehicles.

- Expected to double current Carl Moyer funding statewide and will garner at least \$30 million per year for the South Coast region.
- Will provide a sustainable source of funding to address challenge of improving unhealthy, polluted air and in the South Coast.

## Funding to Support AQMP Clean Air Efforts

- AB 109 and AB 134 allocated \$1.5 billion in Greenhouse Gas Reduction Fund (GGRF) monies for co-benefit emissions reductions
- AB 109 allocated \$27 million statewide to local air districts to fund initial implementation of AB 617 – [South Coast received \$10.8 million]
- AB 134 allocated \$250 million statewide to local air districts in increased Carl Moyer incentive funding – [SCAQMD received \$107.5 million]

## 2018 State Legislative Update:

- > Two SCAQMD sponsored bills:
  - SB 1502 (Sen. EQ Comm.) seeks to modernize outdated and costly public notice requirements, to allow the use of electronic mail and internet postings.
    - Signed into law by the Govenor
  - AB 327 (Gipson) Would authorize local rulemaking focused on transitioning public fleets to the cleanest commercially available vehicles. – Failed in committee

# 2018 Funding to support AQMP clean air efforts

- GGRF monies "AB 617 Community Air Protection" program for co-benefit emissions reductions – \$245 million for incentives – [South Coast portion TBD]
- Technical Assistance to Community Groups \$10 million
- AB 617 Implementation Funding Enhanced Community Air Monitoring funds – \$50 million statewide for local air districts – [South Coast portion TBD]

## Other Funding Legislation – Cont.

Additional statewide funding, has been made available, including:

- \$175 million for the Clean Vehicle Rebate Project;
- \$180 million Clean Trucks, Buses, & Off-Road Freight Equipment;
- \$100 million for EFMP, which helps disadvantaged communities get funding for alternative fuel and cleaner cars, along with School Buses and Transportation Equity Projects; and
- \$132 million for reducing agricultural emissions

## Contact information:

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