

# UPDATE OF REMOTE PARTICIPATION PROTOCOL FOR COMMITTEE MEETINGS

Executive Committee  
November 21, 2016

John Chiladakis  
Director of Information  
Services

# BOARD MEETING VIDEO CONFERENCING

## 939 ELLIS STREET

- Allowed for Remote Public Meetings
  - Santa Rosa Junior College
  - San Jose State University
- Only Available in 4<sup>th</sup> Floor Conference Room, Not Boardroom
- Low Quality Audio and Video

# BOARD MEETING VIDEO CONFERENCING

## 375 BEALE STREET

- Available in Boardroom and Yerba Buena Conference Room
- Allows for High Quality Audio and Video Conferencing During Webcast
- Planned as a Second Phase due to the Complexity of the New Boardroom Systems
- Shared Services Organization (SSO) is the Project Lead
- Slated for Installation in First Quarter 2017

# BOARD MEETING VIDEO CONFERENCING PROTOCOLS

- Used for Committees Meetings Only
- Can not be used when “action items” are agendized
- Brown Act Noticing Required at Remote Facilities
- Administrative support necessary at Remote Facilities



# QUESTIONS & DISCUSSION



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# 2017 Clean Air Plan/Regional Climate Protection Strategy Update

## Executive Committee Meeting

November 21, 2016

Henry Hilken  
Director of Planning and Climate Protection



# Bay Area Leadership Is Critical

- Bay Area and California are at the forefront of aggressive action on climate protection
- Incubating innovation
  - Information, communication, energy and transportation technologies
  - Policy approaches
- Serving as model for other regions
- Action needed by all levels of government and all sectors of the economy



# Clean Air Plan/Regional Climate Protection Strategy (2017 Plan)

- Multi-pollutant plan to update 2010 Clean Air Plan
  - reduce ozone precursor emissions
  - reduce PM and toxics in impacted communities
  - reduce GHGs toward long-range target
    - per Air District Board Climate Protection Resolution (2013)
    - reduce Bay Area GHG emissions 80% below 1990 levels by 2050
- Serves as blueprint for near-term action, setting pathway to 2050





# Recent Work

- Consider key State documents and programs
- Consider Plan Bay Area land-use and transportation strategies
- Posted draft control measures for public review and comment
- Refine control strategy to reduce emissions of all pollutants with emphasis on near-term actions ( $\pm 5$  years)
- Develop long-range vision that charts course for deeper emission reductions to meet 2050 goal

41.3



# Bay Area in 2050

- *Where we live and work: Buildings*
  - fossil-fuel free, near transit, no wood burning
- *How we travel: Transportation*
  - Nearly 90% EVs, 50% renewable diesel, reduce VMT
- *What we produce: Sustainable Production*
  - 100% renewable power supply, electrification, refineries transform to clean energy companies
- *What we consume: Conscientious Consumption*
  - Low-GHG intensive diets, 75% reduction in waste, comprehensive strategy that puts organics to productive use

# Multi-Pollutant, Multi-Sector Control Strategy

2017 Plan focuses on multi-pollutant benefits and Air District strengths:

## Grants

- Reduce ROG, NOx, PM, black carbon & other GHGs

## Research & Science

- Improve methane, BC inventory
- GHG monitoring
- Consumption-based inventory

## Develop Rules

- Reduce health risks from toxics
- Basin-wide methane strategy
- Basin-wide combustion strategy

## Permits

- Limit GHG via New Source Review

## Work w/ local gov'ts

- Model ordinances
- Implement local Climate Plans
- Best/leading practices

## Plan & Collaborate

- Support strong Plan Bay Area
- Expand VMT reduction programs



# Air District's Key Priorities & Roles

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- Reduce Short-Lived Climate Pollutants
  - Wood smoke & diesel engine rules & programs
  - Limit methane at landfills
  - Region-wide methane strategy
- Reduce Demand for Fossil Fuels
  - Work with local governments to increase energy efficiency & fuel switching
  - Work with MTC/local governments to reduce VMT
- Decarbonize the Energy System
  - Region-wide strategy to reduce fossil fuel combustion from stationary sources
  - Comprehensive approach to transition energy use in buildings from natural gas to energy efficiency and renewable/clean energy
  - Continue to incentivize EVs & EV infrastructure
  - Support community choice energy (CCE)



# Progress To Date & Underway

## *Completed:*

- Fixed-site GHG monitoring network & research van
- Solar master plans for 68 school districts (grant to KyotoUSA)
- VMT tracking tool (w/ MTC) to assist local climate action plans
- ~\$5.6 million awarded to EV charging infrastructure projects

## *Underway/On-going:*

- Solar Ordinance Project w/ local gov'ts through regional partnership
- Rule development for Oil & Gas Wells and Natural Gas Distribution
- Rules 2-5 & 11-18: address Risks & Local Exposure to Toxics
- Wood Smoke Program & Grants/Incentives Programs



# 2017 Plan Development Process

- Two rounds of open houses and workshops – 13 meetings
- Two rounds of meetings with technical work groups of subject matter experts and stakeholders – 13 meetings
- Numerous presentations at stakeholder meetings, events, conferences
- Public review and comment of draft control measures
- Open Air Forum (on-line tool), email blasts, web updates
- Regular reports to Board committees



# Next Steps

- Late 2016: Release of Draft 2017 Plan and DEIR
- Late 2016: Review & incorporate draft Scoping Plan Update
- January 2017: Public meetings
- March/April 2017: 2017 Plan to Board for consideration



# Community Grant Project Status and Report on First Round of Proposed Community Science Grants

David Ralston  
Community Engagement Manager

November 21, 2016

Executive Committee Meeting



# FYE 2016 James Cary Smith Community Grants Status and Highlights

center for  
climate  
protection



girls  
inc.



# Rose Foundation for Communities and the Environment/Bay Localize/Emilia Zapata Street Academy



# Earth Team – Oakland High/Richmond High

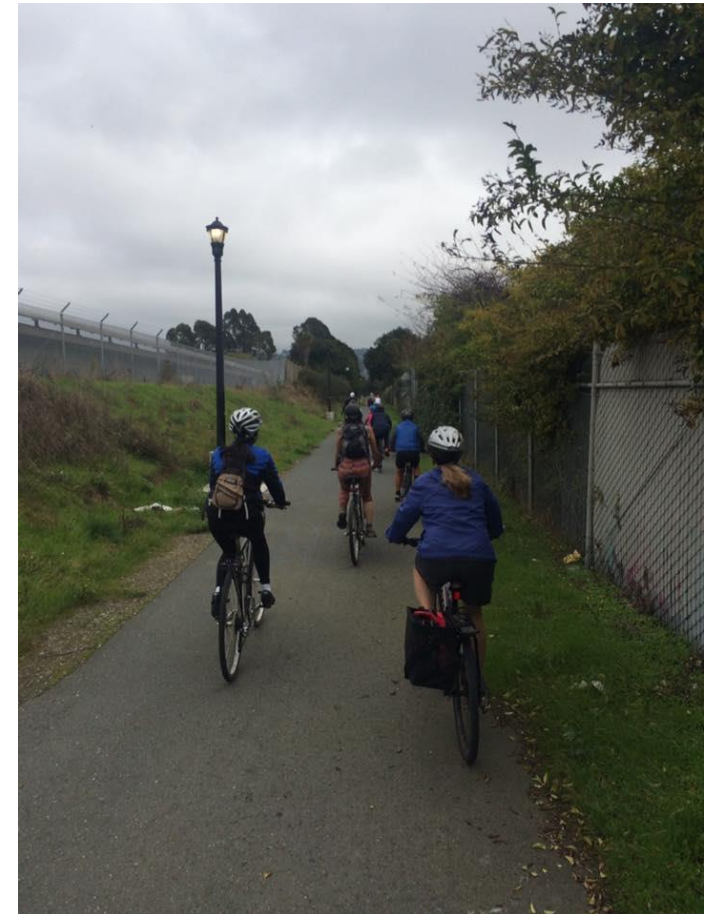
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# San Francisco Bicycle Coalition/Community Bike Builds



# Rails to Trails/Rich City Rides



# Hunters Point Family/Bayview Hunters Point



# La Clinica de la Raza/Escuela de Promotores/ Freedom Breathers Pittsburg



# Center for Climate Protection/ECO2School/Santa Rosa





# FYE 2017 Community Science Grants Preliminary Results of Submitted Proposals



# Preliminary Community Science Grants for Scoping

Sponsored Project	Location	Research Partner(s)	Key Community Partner(s)	Objectives
East Oakland Air Study	Oakland, CA., Alameda County	UC-Davis Croker Nuclear Lab, Dr. Nick Spada, PI	College Preparatory Academy/Acorn Woodlawn Academy and CBE East Oakland	Conduct DRUM sampler AQ assessments and analysis of the San Leandro St. Industrial Zone for metallic aerosols
Bayview Hunters Point Community EJ Air Particulate Phase 1 Study	Bayview Hunters point District, San Francisco	Dr. Ray Tompkins, Rafiki Wellness, PI; SFSU, Dr. Palmer (VOC co-study partner);	Literacy for Environmental Justice (LEJ), Greenaction	Community trained field monitoring, Survey and Hidden Hazard Study, identify PM and VOC hot spots with low-cost air sampling methods
Verifiable Air Quality Innovation	San Jose, Santa Clara County	SJSU, Dr. Eugene Codero, PI/Green Ninja Program	Eastside Alliance, East San Jose Middle Schools	Test application of Science and social change curriculum to 100 students utilizing PM air sensors

## Other Grant Proposals in Review

Sponsored Project	Location	Research Partner(s)	Key Community Partner(s)	Objectives
Community Health and Local Air Quality Assessment	Richmond, Contra Costa County	UC-Berkeley, Dr. Eric Coker, PI	RYSE	Community health survey to correlate with collected and analyzed Community Air Sensor Data; hand-held air sensor study for hot spots
Air Quality with CanSat	San Leandro, Alameda County	Magnitude.IO and Sequioa Research Foundation, Dr. Peter Flessel, Mr. Jeff Sanchez, PI	Barbara Lee Health and Wellness Center, San Leandro HS	Conduct CanSat with high-altitude balloon air study of GHGs/met data and on-ground measurements in area schools and connect research with Next Gen curriculum standards and student learning experiences
Sustainable Silicon Valley Smart Traffic Analysis	East Palo Alto, San Mateo County	Urban Integrated		AQ sensors connected to smart traffic analytics project (PM, O3, CO, SOx, Nox)
Brookfield School vegetative Buffer project	Alameda County	EPA, Rich Baldauff, PI	Higher Ground, Brookfield School	Install a pilot vegetative buffer along I-880 freeway on schoolyard and conduct before and after air samples.

**Questions?**

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**Thank you**

# UPDATE ON MY AIR ONLINE PROGRAM UPDATE

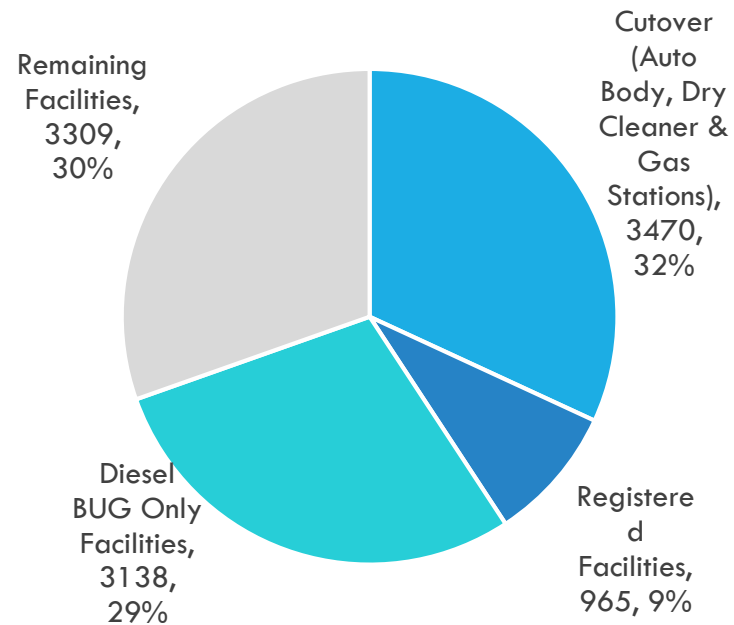
Executive Committee  
November 21, 2016

Jaime A. Williams  
Director of Engineering

# 2016 PROGRAM DELIVERABLES

## Online Permitting & Compliance Systems

- Complete Migration of Registered Sources to Online System (Consolidation)
- Complete Support for Emergency/Standby Engines in the Online System
- Online Processing for Asbestos Job Requests & Evaluations
- **Support for online permitting and inspection of 70% total facilities**



# WINTER SPARE THE AIR SEASON

## Wood Smoke Program


- Online Wizard for Wood Smoke Complaints
- Field Investigation Task Assignment and Management
- Exemption Management
- Violation Processing

# WINTER SPARE THE AIR SEASON


Please review **Regulation 6, Rule 3**, and then answer the following questions about the woodsmoke occurrence.

REGULATION 6, RULE 3


## 1. When did this occur?

 Are you complaining about burning on a no burn day?

Yes  No


 Is the emission/event occurring right now?

Yes  No


 Please enter the date/time of the occurrence.

Occurrence Date & Time  
Date & Time


## 2. Please describe the smoke...

 Description of the smoke?

Black  White

 Density of the smoke?

**light** - can see through it  
 **medium** - can see partially through it  
 **heavy** - cannot see through it

 Is there a strong odor present?

Yes  No

## 3. Complaint Description

 Briefly describe the complaint:

Enter complaint description: 0/256



# WOOD SMOKE INVESTIGATION FORM

1. GENERAL INFORMATION Complaint ID: #736452 SAVE

**SITE INFORMATION**

PLEASE ENTER THE LOCATION (REQUIRED)

**INSPECTION DETAILS**

<b>Reporting Inspector</b> Reporting Inspector	<b>Observation Date/Time</b> Observation Date/Time	<b>VEE Cert Expiration Date</b> VEE Cert Expiration Date
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**BASIC INVESTIGATION INFORMATION**

<b>Type of Investigation</b> (check all that apply) <input type="checkbox"/> Curtailment <input type="checkbox"/> Complaint <input type="checkbox"/> Surveillance	<b>Complaint Status</b> (select one) <input type="radio"/> Confirmed <input type="radio"/> Unconfirmed <input type="radio"/> Not Applicable	<b>Burning during nighttime?</b> <input type="radio"/> Yes <input type="radio"/> No
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# ASBESTOS RENOVATION/DEMOLITION PROCESS

## Online Job Submission

- Web forms to collect information from contractors

## Online Payments

- Automated fee calculation to reduce refunds and partial payments

## Staff Review & Approval

- Automated approval for simple jobs
- Dashboards to track more complex jobs that require staff review



1. GENERAL INFORMATION

2. CONTRACTOR INFORMATION

3. LOCATION INFORMATION

4. JOB DETAILS

5. WORK SCHEDULE

6. JOB REQUEST FEES

## 1. GENERAL INFORMATION

Enter general information about your Asbestos Job Notification and review overview information.

### ASBESTOS JOB GENERAL INFORMATION

Enter a name for your Asbestos Job Notification

Asbestos Job Notification Title

Asbestos Job Request Type (Please select one.)

Demolition 

Renovation 

Is the Notification for a past or currently occurring job?

Yes

No

SAVE AND CLOSE

CONTINUE TO NEXT SECTION 

### Renovation Project ABC #283765

RENOVATION

[address] [city], [zip code]

[SUBMIT FOR APPROVAL](#)

#### JOB NOTIFICATION STATUS

Job Notification Status

AWAITING FINAL FEES

[Update Status](#)

#### JOB NOTIFICATION FEES

Invoice Due: **Due Now**      Balance Due: **\$1,349.00**

[View Invoice #736354](#)

#### CHANGE LOG

Message	Date/Time	Changed By
System message goes here saying something changed.	05-06-15 5:00 PM	Jane Doe
Comment entered manually about correspondence with customer maybe.	05-05-15 2:00 PM	John Doe
System message goes here saying something changed.	05-03-15 1:00 PM	Baby Doe
Comment entered manually about what was done/not done.	05-02-15 4:00 PM	George Harrison
System message goes here saying Jane Doe is editing...	05-02-15 3:00 PM	Jane Doe

[Enter](#)

#### DATE SUBMITTED

Date Submitted: 05-15-2015

#### WORK SCHEDULE

Start Date: 05-06-15      End Date: 05-06-15

Night Work:       Weekend Work:

#### CONTACTS

**Jane Doe**  
ABC Heating Company  
Project Manager  
516 Ocean Ave.  
San Francisco, CA 94512  
Phone: 415-555-5556  
Email: janedoe@yahoo.com

**John Doe**  
ABC Heating Company  
Partnership  
License #345789  
CEO  
516 Ocean Ave.  
San Francisco, CA 94512  
Phone: 415-555-5555  
Email: johndoe@yahoo.com

**Baby Doe**  
ABC Heating Company  
Account Manager  
516 Ocean Ave.  
San Francisco, CA 94512  
Phone: 415-555-5557  
Email: babydoe@yahoo.com

#### STATUS HISTORY

Job Notification Status	Date	Changed By	Note
Approved	06-06-15	John Doe	Lorem ipsum dolor sit amet in consectetur adipiscing.
Awaiting Final Fees	06-03-15	Baby Doe	Lorem ipsum dolor sit amet in consectetur adipiscing.
Under Evaluation	05-30-15	John Doe	Lorem ipsum dolor sit amet in consectetur adipiscing.
Submitted	05-15-15	Jane Doe	Lorem ipsum dolor sit amet in consectetur adipiscing.



**WHAT'S NEXT?**



# SMALL SOURCE ACTIVITIES

- Complete consolidation of registered sources
- Expansion of use to additional staff in the Engineering Division and Compliance & Enforcement Division
- Developed online growth plan to promote more usage of the system by small businesses

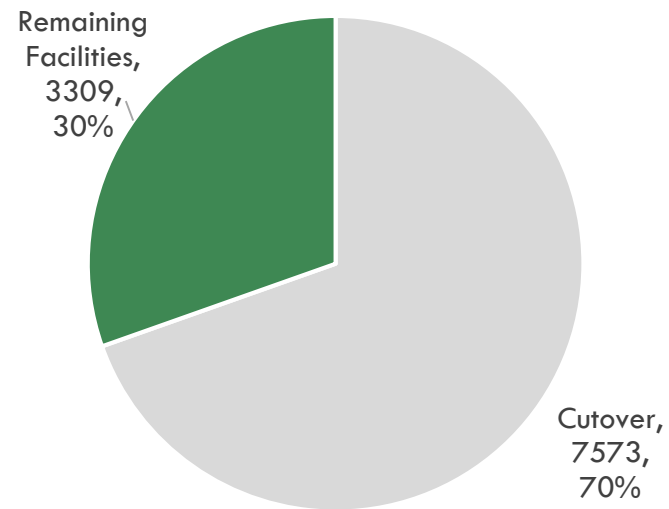
# 2016 COMPLIANCE & ENFORCEMENT ACTIVITIES

- Field inspections
- Complaint Dispatching & Investigation
- Enforcement Action Processing (NOV/NTCs)



# COMPLEX FACILITY PLAN

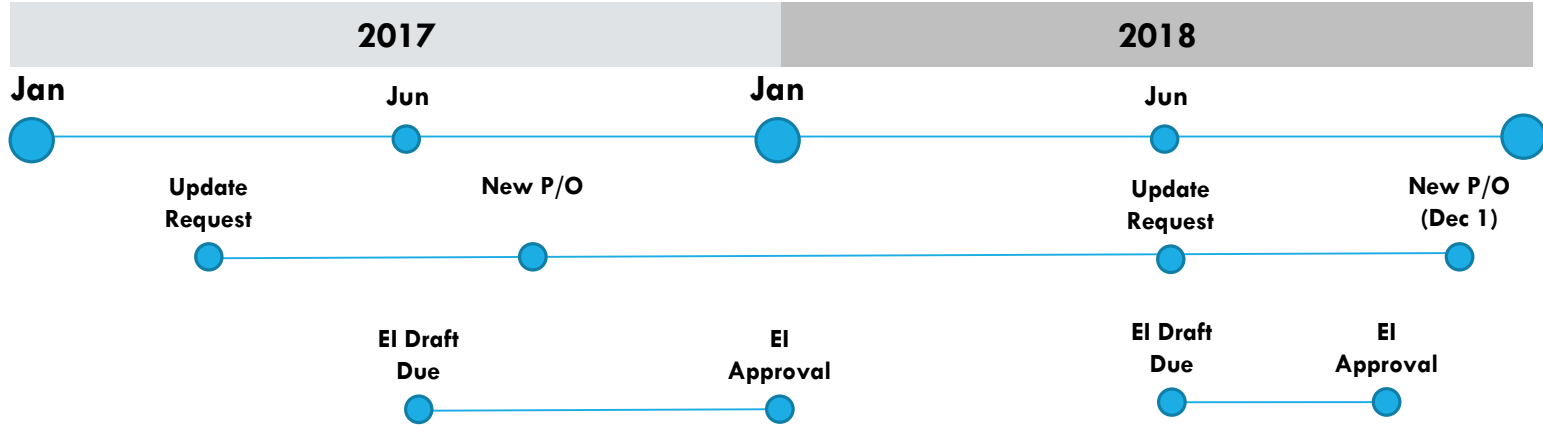
- Modify renewal process to streamline emissions validation during the renewal process
- Provide additional features to support permit application evaluations for larger sources
- Implement process for facilities to submit reportable compliance activity information online
- **Roadmap for getting remaining permitting and compliance operations off of the legacy computer systems**



# COMPLEX FACILITY PLAN PROGRESS

- Meeting with refineries to standardize inventory reporting content and format for electronic submittal (in line with Regulation 12-15)
- Reviewing modeling parameter requirements for Health Risk Assessments efforts (in line with proposed Regulation 11-18)
- Developing backlog of new features required to scale the system to handle complex facilities

# REFINERY EMISSIONS INVENTORY REPORTING INTEGRATION





# QUESTIONS & DISCUSSION