



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

**TO: Environmental Justice Advisory Group
Dr. Joseph Lyou, Chair**

**FROM: Derrick J. Alatorre, DEO/Public Advisor
Legislative and Public Affairs**

ENVIRONMENTAL JUSTICE ADVISORY GROUP

July 29, 2016 ♦ 12:00 p.m. ♦ Room GB
21865 Copley Drive, Diamond Bar, CA 91765-4182

AGENDA

INFORMATION, ACTION & DISCUSSION ITEMS:

Consideration and potential recommendation of positions may occur on any agendized items.

1. Call to Order/Opening Remarks *Dr. Joseph Lyou
Chair*
2. Approval of April 22, 2016 Meeting Minutes *Dr. Joseph Lyou*
[Attachment 1]
3. Review of Follow-Up/Action Items *Derrick J. Alatorre*
[No Attachment] *Deputy Executive Officer/Public
Advisor,
Legislative and Public Affairs*
Staff will review the follow-up/action items identified in the previous meeting.
4. Member Updates *All*
5. Southern California Edison Company's (SCE)
Charge Ready Program *Cassie Cuaresma*
[Attachment 2] *Project Manager,
Southern California Edison*
*SCE staff will present on the company's Charge Ready Pilot Program, which
supports the deployment of electric vehicle charging stations within its
service territory, including environmental justice communities.*
6. 2016 Air Quality Management Plan (AQMP) *Michael Krause*
[Attachment 3] *Planning & Rules Manager,
Planning, Rule Development & Area
Sources*
Staff will provide an update on the recently released draft of the AQMP.

7. AB1318 Mitigation Fee Projects

[Attachment 4]

Staff will provide an update on the AB1318 Mitigation Fees Projects.

Fred Minassian
Assistant Deputy Executive Officer,
Science & Technology Advancement

8. Opportunities for Clean Freight

[Attachment 5]

Staff will deliver a presentation on opportunities for clean freight, including an update on the California Sustainable Freight Plan.

Henry Hogo
Assistant Deputy Executive Officer
Science & Technology Advancement

9. 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. This item is also an opportunity for the public to speak on any subject within Environmental Justice Advisory Group's authority. Speakers may be limited to three (3) minutes each.

10. Adjournment

Next Meeting: October 28, 2016

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 Environmental Justice Advisory Group meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Daniela Arellano at (909) 396-3511 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to darellano@aqmd.gov.



South Coast Air Quality Management District

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ENVIRONMENTAL JUSTICE ADVISORY GROUP FRIDAY, APRIL 22, 2016 MEETING MINUTES

MEMBERS PRESENT:

Dr. Joseph Lyou, SCAQMD Governing Board, EJAG Chairman
Alycia Enciso, Small Business Owner, San Bernardino
Daniel Morales, National Alliance for Human Rights
Dr. Afif El-Hasan, American Lung Association
Evelyn Knight, Long Beach Economic Development Commission
Larry Beeson, Loma Linda University, School of Public Health
Mary Figueroa, Riverside Community College
Myron Hale, SLMQM
Paul Choe, Korean Drycleaners & Laundry Association
Rafael Yanez, Member of the Public
Rhetta Alexander, Valley Interfaith Council
Suzanne Bilodeau, Knott's Berry Farm

MEMBERS ABSENT:

Arnold Butler, Inglewood Unified School District Board
Brenda Threatt, First African Methodist Episcopal (AME) Church
Judy Bergstresser, Member of the Public
Lizette Navarrete, University of California, Riverside
Maria Elena Kennedy, Quail Valley Task Force
Micah Ali, Compton Unified School District
Pastor Raymond Turner
Pat Kennedy, Greater Long Beach Interfaith Community Organization
Rudy Gutierrez, Community Representative, Coachella Valley
William Nelson, OC Signature Properties
Woodie Rucker-Hughes, NAACP - Riverside Branch

OTHERS PRESENT

Andy Silva, San Bernardino County
David Czamanske, SCAQMD Board Assistant for Michael Cacciotti
Mark Abramowitz, SCAQMD Board Assistant for Dr. Joseph Lyou
Nicole Nishimura, SCAQMD Board Assistant for Dr. Joseph Lyou

SCAQMD STAFF

Derrick Alatorre, Assistant DEO
Laki Tisopulos, Assistant DEO
Nicholas Sanchez, Sr. Deputy District Counsel

Marc Carrel, Program Supervisor
Michael Morris, Program Supervisor
Daniela Arellano, Senior Public Information Specialist
Angela Garcia, Office Assistant

Agenda Item #1: Call to Order/Opening Remarks

Chair Dr. Joseph Lyou called the meeting to order at 12:01 PM. He informed members about recent legislation by Senate President Pro Tem Kevin de Leon, aimed to add three new members to the South Coast Air Quality Management District Board, to represent environmental justice communities. He then introduced Nicole Nishimura and Mark Abramowitz as his Board Assistants.

Agenda Item #2: Approval of January 29, 2016 Meeting Minutes

Chair Lyou called for the approval of the minutes. The January 29, 2016 meeting minutes were approved unanimously.

Agenda Item #3: Review of Follow-Up/Action Items (04:45)

Mr. Derrick Alatorre reviewed the action items requested during the January 29, 2016 meeting.

1. Action Item: LPA staff was asked to reschedule the next EJAG meeting and inform members of the date change.
 - LPA Staff rescheduled the EJAG meeting from April 22 to April 29, 2016, and informed members of the change on March 4, 2016
2. Action Item: SCAQMD to share Dr. Beeson's findings from Loma Linda University's study regarding the respiratory health of children who live near railyards.
 - LPA Staff shared Dr. Beeson's research findings with EJAG members on March 4, 2016.
3. Action Item: SCAQMD was asked to provide EJAG members with an update on the Sentinel Power Plant in Desert Hot Springs.
 - Staff will update the Governing Board on the progress of AB 1318 funds used for mitigation projects for the Sentinel Power Plant. Once the Governing Board is updated, LPA staff will update EJAG members.
4. Action Item: There was a request to provide information on proposed guidelines for disbursement and tracking of funds received, pursuant to Rule 1304.1.
 - Staff presented the information to the Governing Board on March 4th. The public hearing was open and individuals from different cities in Orange County addressed the board on this topic because they have projects they would like to have funded.

Agenda Item #4: Member Updates

Ms. Rhettta Alexander expressed concern regarding the Aliso Canyon Gas Leak and the community's desire to have the facility closed. Ms. Alexander expressed the importance of reducing our dependence on fossil fuels.

Mr. Daniel Morales discussed a Riverside Press Enterprise article regarding USC's research on air quality and its effects on children's health. Dr. Lyou acknowledged Dr. Andrea Hricko's contribution to the study and informed EJAG members she is now retired.

Action Item: Agendize Andrea Hricko's replacement in the next Admin Agenda.

Mr. Rafael Yanez received multiple complaints about the off gassing and toxic odors produced by Valmont Coatings' operations in Los Angeles. He recommended SCAQMD review the company's permit as he believes it needs to be updated.

Action Item: Dr. Lyou asked Mr. Yanez to email the information to Mr. Alatorre, who will coordinate with staff to address the issue.

Ms. Mary Figueroa expressed her concern regarding the construction of warehouses in Moreno Valley, because of their effect on public health. Ms. Figueroa encouraged SCAQMD to continue serving Inland Empire communities of color. Dr. Lyou assured her SCAQMD will increase its outreach efforts.

Mr. Yanez requested an update on ways in which the Clean Trucks Program can be expanded inland, to areas where current industrial development is affecting air quality.

Action Item: Dr. Lyou requested that staff provide a presentation at the next EJAG meeting, regarding opportunities for clean freight.

Mr. Myron Hale introduced himself as the newest member of EJAG.

Ms. Evelyn Knight announced that a judge recently ruled in favor of Long Beach, in a lawsuit that opposed the proposed BNSF rail yard project known as SCIG.

Agenda Item #5: Update on the Aliso Canyon Natural Gas Leak in Porter Ranch

Senior Deputy District Counsel Nicholas Sanchez provided an update on the District's enforcement actions on the Aliso Canyon Natural Gas Leak in Porter Ranch.

Dr. Afif El-Hasan asked if SCAQMD is monitoring additional chemicals in the air. Dr. Laki Tisopulos confirmed it is, and will continue to monitor the air in Porter Ranch until it returns to typical levels. Mr. Tisopulos added that SCAQMD recently purchased advanced monitoring equipment to help measure chemicals that may exist in low levels.

Ms. Alexander asked about the likelihood of the Aliso Canyon facility shutting down. Mr. Sanchez relayed that various State agencies are investigating the safety of the facility; the State legislature has proposed numerous bills to prevent a similar event from occurring in the future; and the final outcome of the facility is still being evaluated. He added the Air Resources Board is in the process of determining how much natural gas escaped from the facility, the goal being to have SoCalGas fund supplemental environmental projects to mitigate against the excess emissions caused by the gas leak.

Ms. Alicia Enciso asked if it was truly safe for people to return to the area. Mr. Sanchez reported that the Los Angeles County Department of Public Health (DPH) argued in the civil lawsuit it was not safe for people to return home and wanted SoCalGas to continue funding relocation fees

while they performed indoor air testing. The court sided with SoCal Gas and terminated the requirement that SoCalGas continue paying relocation fees, however the County of Los Angeles successfully appealed the decision, and the case was sent back to the judge to reconsider the harm to residents in Porter Ranch.

Ms. Knight asked if there have been similar legal cases throughout history. Mr. Sanchez reported that the BP Oil Spill would appear to be a similar case, and the legal department has been analyzing how that matter was prosecuted.

Agenda Item #6: Update on the Clean Communities Plan

Ms. Susan Nakamura provided EJAG members with an update on the Clean Communities Plan (CCP).

Ms. Enciso asked how the CCP identified schools for air filtration. Ms. Nakamura informed Ms. Enciso that staff worked with the Center for Community Action and Environmental Justice (CCA EJ) to recommend school sites in the San Bernardino area and Mothers of East Los Angeles to recommend school sites in the Boyle Heights area.

Mr. Yanez recommended that SCAQMD use billboards to inform community members about SCAQMD services. Dr. Lyou acknowledged SCAQMD could do a better job at branding itself. Mr. Yanez asked if railyard owners can replace or upgrade locomotives in Commerce that were transferred from the ports area, in an effort to clean the air near the ports. Dr. Lyou commented that the SCAQMD did adopt rules for railyards but it was litigated. Dr. Lyou commented that this has been a challenging issue.

Mr. Morales asked who conducted the weatherization program in San Bernardino. Ms. Nakamura explained that SCAQMD partnered with SoCalGas to conduct the weatherization through a SoCalGas contractor.

Ms. Alexander asked if corporations fund their own technology replacement programs. Dr. Lyou explained how companies often receive financial incentives to overhaul dirty technology, but rarely use their own funding to mitigate the environmental impacts of their operations.

Ms. Suzanne Bilodeau asked how SCAQMD will measure the program's success and monitor improvements in the local air quality. Ms. Nakamura stated staff will look at the program that were implemented such as the number and type of projects that were funded, identify the rules that were potentially implemented in the local area, and review the interview responses from individuals who participated in the program. She added that the primary goal was to address community concerns from a qualitative perspective.

Dr. El Hasan inquired about the cost effectiveness of the laser spray guns funded through the U.S. EPA's Targeted Air Shed Grant. Staff explained that the spray guns reduce the overspray and improve the transfer efficiency which results in lower use of coatings. Dr. Lyou informed him the technology is cost effective and optimizes the use of coatings.

Ms. Enciso and Mr. Yanez encouraged SCAQMD to educate the public about the efforts conducted through the CCP to which Dr. Lyou and Ms. Nakamura agreed.

Dr. Lyou asked Ms. Nakamura to reflect on how the program was conducted. Ms. Nakamura highlighted the effectiveness of ranking air quality issues based on community feedback.

Mr. Yanez emphasized the importance of having permit writers visit the facilities they are permitting, to truly understand the impact it may have on a neighborhood. Dr. Lyou agreed it was a good suggestion but indicated it would be difficult because of the limited staff. Mr. Yanez also recommended SCAQMD work with the Public Utilities Commission to optimize the HVAC systems implemented in the schools.

Agenda Item #7: Update on Near Roadway Monitoring

Dr. Jason Low provided EJAG members with an update on Near Roadway Monitoring.

Mr. Yanez asked why SCAQMD placed an air quality monitor in the specific block of the 710 freeway as outlined in the presentation. He expressed a better location may have been north of the 105 freeway, closer to the 5 freeway, where there are no buffers and higher concentrations of pollutants. Dr. Low responded the monitor was placed there because of accessibility and regulatory criteria.

Ms. Enciso asked why SCAQMD allows developers to build housing near freeways. Dr. Lyou clarified SCAQMD does not have land use authority so it may only provide recommendations on why housing should not be allowed near freeways. Mr. Derrick Alatorre emphasized the importance of educating the youth and partnering with community groups to help educate the public on this matter. Ms. Mary Figueroa encouraged SCAQMD to educate the Latino community.

Dr. Lyou informed EJAG members that U.S. EPA is now allowing SCAQMD to monitor hotspots. Mr. Yanez recommended that a monitor be placed in Boyle Heights. Dr. Lyou added SCAQMD will deploy personal air monitors within the next 5-10 years, to help SCAQMD collect air quality data.

Agenda Item #8: Update on the Environmental Justice Community Partnership

Ms. Daniela Arellano provided EJAG members with an update on the Environmental Justice Community Partnership.

Ms. Alexander asked if SCAQMD Board Members will receive the data collected during the workshops. Mr. Marc Carrel confirmed they will.

Ms. Knight emphasized the importance of making the partnerships beneficial for the partner and SCAQMD, and added that youth should also be involved in SCAQMD outreach efforts.

Dr. Lyou requested that SCAQMD provide communities with updates on how it is addressing its concerns. Ms. Figueroa agreed and congratulated SCAQMD for conducting the workshop in Thermal, as it is a community that is often neglected.

Action Item: Provide EJAG with an update on how SCAQMD is following up on the communities' concerns.

Mr. Yanez emphasized the importance of reaching out to schools to promote this program.

Ms. Alexander suggested SCAQMD also reach out to indigenous populations.

Agenda Item #9: Public Comment Period

There were no public comments.

Agenda Item #10: Adjournment

The meeting adjourned at 2:57 PM

Next Meeting: July 29, 2016



SCE's Charge Ready Program

Presentation for AQMD EJ Advisory Group

July 29, 2016

Southern California Edison

Program Basics

Program Goals

- Support EV adoption by accelerating the deployment of charging infrastructure
- Increase EJ communities' access to EV technology
- Increase electric miles driven by EVs
- Reduce cost and complexity of deployment

Locations for Charging Stations

Charge Ready focuses on "long-dwell time" locations where charging infrastructure is most beneficial:

- At home, in multi-unit dwellings (MUDs), for reliable daily charging
- At work and at destination centers, to reduce use of gas
- For fleets, to encourage conversion

Key Exclusions

- DC fast charging (not available for all EVs)
- Single family residences (limited cost and complexity)
- Short dwell-time locations (not enough time to charge)

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Key Features

Scope and Duration

Deploy electric infrastructure to serve EV charging stations at long dwell-time locations (workplace, multi-unit dwellings, fleet, and destination centers):

- Phase 1 pilot approved by Public Utilities Commission to serve up to 1,500 charging stations
- Request for second phase may be filed after deploying at least 1,000 charging stations (plan for up to 30,000 across both phases)

Pilot Costs

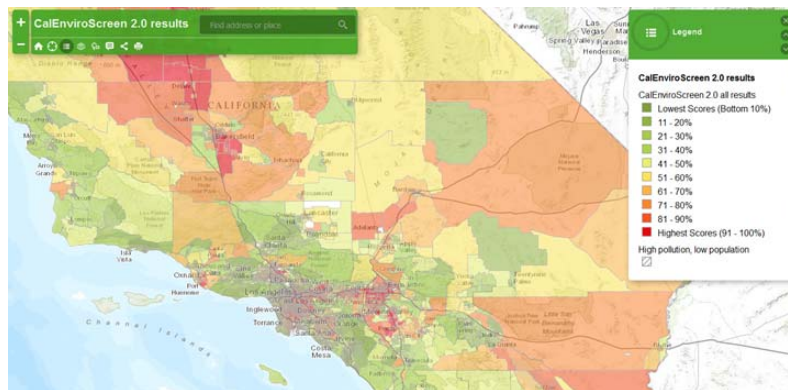
- \$22M approved funding (deployment and Education & Outreach)
- All electric infrastructure costs (utility-side and customer-side of meter) covered by the Program
- 25%-50% rebate against charging station base costs (hardware and installation)

EJ Communities

- Charge Ready deployment:
 - At least 10% of stations deployed in environmental justice communities
 - Minimum of 5 charging stations per site
 - 100% rebate against charging station base cost
- Targeted education and outreach

Environmental Justice and Charge Ready

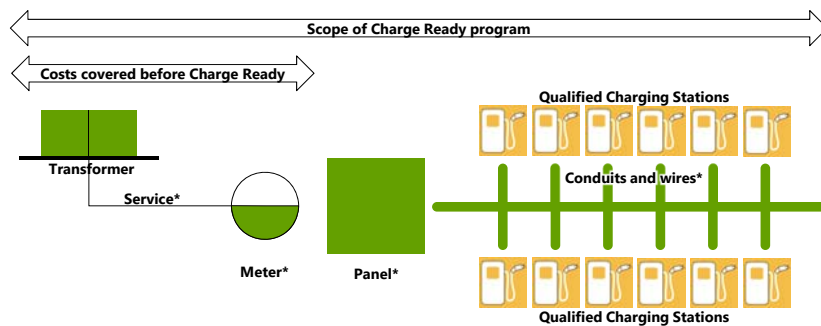
- The CalEPA has developed a screening methodology that can be used to help identify California communities that are disproportionately burdened by multiple sources of pollution, as well as factors such as low income.
- The communities with scores in the top 25% are identified as "Disadvantaged Communities" (DACs); this designation is similar to the "Environmental Justice" designation in that it is meant to identify communities that face a multiple burdens



Deployment Overview

Charge Ready aims at reducing the cost and complexity of deploying charging stations for our customers.

- Items in **green** are paid for by Charge Ready Program
- Items in **gold** are partially covered by SCE through rebates
 - MUDs receive 50% rebate
 - Fleets, destination centers, and workplace receive 25% rebate
 - Any site in an EJ community receives 100% rebate



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Customer Eligibility and Participation

Customer Eligibility

- Qualify as a non-residential customer (business, government)
- Meet the program's guidelines on EV adoption
- Own, lease, or operate a long-dwell time parking site (4+ hours)
- Provide a grant of easement by the property owner
- Deliver proof of purchase of qualified charging equipment

Site Approval

- Granted by SCE on a first-come, first-served basis (multiple criteria, including impacts to the electric grid)
- Requires agreement from customer on number of charging stations and location within site (as proposed by SCE)
- Minimum of ten charging stations (reduced to five in EJ Communities), up to 4% of parking spaces, unless existing adoption is higher

Customer Rights and Responsibilities

- Own and operate qualified charging stations (10 years)
- Pay for operating costs (energy, maintenance/repairs, EV network, including non-PII data sharing and DR)
- Must join future DR programs in connection with Charge Ready

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Progress so far

Goals	Key Accomplishments
<ul style="list-style-type: none"> • Qualify EVSE vendors & charging stations • Secure general contractors with EVITP certification at 40% Diverse Business Enterprise (DBE) • Deploy minimum 1,000 charging stations • Deploy a minimum of 10% charging stations in disadvantaged communities (DACs) 	<ul style="list-style-type: none"> • 9 EVSE vendors & 30 charging station models; ongoing RFI & quarterly submissions • 100% DBE general contractors with EVITP certification • Over 200 customers at Program Kick-Off Meeting to introduce customer enrollment portal & program materials • Over 200 applications received and over 1,400 stations requested; 33% DACs

Applications Received

Category	Percentage
Workplace	72%
Destination Center	22%
Fleet	3%
Multi-unit Dwelling	3%

Next steps

- We would like to increase the number of applications for MUDs, especially those in EJ communities
- SCE will hold a workshop at the end of August (tentatively scheduled for 8/30) to build program awareness among MUD owners

Q&A

Thank you!

If you have further questions, please follow up with us at:

Cassie Cuaresma
cassie.cuaresma@sce.com

Appendix - Program Resources

On.sce.com/chargeready

- Program Requirements
- What to have ready
- Approved Product List
- TE Advisory Services
- Contact Us



Learn about Charge Ready on our landing page

On.sce.com/chargeready > FAQs



Charge Ready Support

Home > Your Business > Electric Vehicles > Tools & Resources

View our detailed frequently asked questions below and

About Charge Ready

Participating in Charge Ready

Charging Stations

Charge Ready Rebate

Demand Charges



We've answered Frequently Asked Questions

On.sce.com/chargeready > Fact Sheet



- Program Eligibility
- Charging Station Deployment
- Key Players
- Typical Process

The Fact Sheet provides an overview of the program

On.sce.com/chargeready > Participation Package



Get Started
Fact Sheet

How to use this interactive PDF
 - Use the interactive table of contents in the left column to select topics and navigate.
 - Alternatively, you may scroll through the document page by page.
 - Watch for "tooltips" and downloadable documents.
 - To search the document:
 • Windows: Ctrl+F
 • Mac: ⌘+F

The Participation Package is a comprehensive, interactive pdf

Participation Package > Related Links



Charge Ready Program Reservation Request and Contract Agreement Instructions

Follow these instructions to complete Step 1 on the **Charge Ready Enrollment Portal**.
Please Note: The question numbers and order may not match the Step 1 Form example provided here, or the online enrollment form exactly.

Step 1 - Notice of Intent

Customer Participant Interest Section	
1.	Customer Participant: Enter full name of eligible Customer Participant.
2.	SCE Account Number (optional): If you are already an SCE customer, enter your Customer Account Number. Leave the field empty if you are not an SCE customer.
3.	Federal Tax ID Number: Enter your organization's Federal Tax ID Number. SCE must report certain payments (such as rebates payable under the Charge Ready Program) to the tax authorities.
4.	Name of Contact Person: Enter the name of the primary contact representing your organization. The contact person will be the liaison for your organization, and will interact with the SCE Account Manager assigned to this application.

The Participation Package has all required forms and their instructions

Watch for our email

We'll be inviting you to enroll via email

Get Started

Charge Ready

Welcome to the Charge Ready Program!

We're currently working with various businesses and organizations to deploy qualified electric vehicle (EV) charging stations throughout Southern California. Through the Charge Ready Program, we'll help alleviate the costs and complexities associated with the deployment of charging stations, allowing you to encourage EV adoption in your community and contribute to improving public health by reducing air pollution and greenhouse gas emissions.

Is your company EV ready? Register today for access to the Charge Ready Enrollment Portal where you can submit required forms, upload documents, and view program notifications.

Register

[Already have an account? Log in here.](#)

Register in the Enrollment Portal

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Register

Charge Ready Registration

New to Charge Ready?
Create an account for access to Charge Ready resources and the tools you need to participate.

Existing SCE Service Account Number at the Site:
Enter the primary SCE Service Account Number.

3-123-4567-89

SCE Customer Account Number (optional)
If you are already an SCE customer, enter your Customer Account Number. Leave the field empty if you are not an SCE customer.

2-34-567-8901

Create your username and password

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Register

Charge Ready Registration

You have been successfully registered. Please check your email for further instructions.
Didn't receive the email? [Click here to send it again.](#)

New to Charge Ready?
Create an account for access to Charge Ready resources and the tools you need to participate.

When you've registered, we'll send you a confirmation email

Enrollment Portal Continued



Enrollment
Portal

Confirm Your Charge Ready Enrollment Portal Registration

Thank you for registering for the Charge Ready Enrollment Portal. To get started with Step 1 of the Charge Ready Program, complete your registration now.

[Confirm Your Account](#)

To learn more about the Charge Ready Program, the application process, or for general inquiries, please review the [Charge Ready FAQs](#).

Click the link in the email to confirm your account

Enrollment Portal Continued

The screenshot shows the 'Confirmation' page of the SCE Enrollment Portal. At the top left is the SCE logo, and at the top right are links for 'Register' and 'Log In'. The main heading is 'Confirmation'. Below this, the text reads 'Thank You for Registering!' followed by 'Here's some important information before you get started. Feel free to print a copy of this page for your records.' The user ID is listed as 'kendall.reichley@sce.com'. A section titled 'What to Have Ready' lists several items: SCE Service Account Number (if available), Federal Tax Number, Assessor Parcel Number, Property Owner approval (if applicable), Name of the Authority Having Jurisdiction (AHJ) for issuing building permit approvals, Proposed charging station location for site (optional), PDF of property site plan (optional), and Civil plan, aka base map, with existing utilities (optional). At the bottom, it says 'Now that you're ready, take the first step towards participating in Charge Ready. Get started now, or access the Interest Form later in the Documents section upon logging in.'

You'll be taken to the confirmation page

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Enrollment Portal

The screenshot shows the 'Charge Ready Log In' page of the SCE Enrollment Portal. At the top left is the SCE logo, and at the top right are links for 'Register' and 'Log In'. The main heading is 'Charge Ready Log In'. Below this, the text reads 'User ID' followed by 'Please note: Your Charge Ready login is different from your My Account login. New to Charge Ready?' and a 'Register' link. A text input field contains the email address 'kendall.reichley@sce.com'. Below this is the 'Password' label and an empty password input field.

Login to the Enrollment Portal

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Enrollment Portal

The screenshot shows the 'Customer Participant Interest Section' of the Enrollment Portal. It features two main steps:

- 1. Customer Participant:** A text input field containing 'Acme Stuff' with a small icon to its right.
- 2. SCE Account Number (optional):** A text input field containing '2-12-345-6789'.

Below the second step, a progress indicator shows '0% Complete'.

Populate Step 1

Enrollment Portal

The screenshot shows step 39, 'Title', of the Enrollment Portal. It includes a text input field with 'Project Manager' entered. Below the form, a message states 'Your information has been saved.' and three buttons are visible: '< Previous', 'Save', and 'Upload Documents & Sign'. A progress bar at the bottom is fully filled, indicating '100% Complete'.

Populate Step 1

Enrollment Portal

DocuSign Envelope ID: B9A84BC5-1D50-4BD4-8DEB-94D09F44F2C7

START

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Charge Ready Program Reservation Request and Contract Agreement

Step 1 - Notice of Intent

Customer Participant Interest Section

1. Customer Participant: Acme Stuff	
2. SCE Account Number (optional): 2-12-345-6789	
3. Federal Tax ID Number: 99-9999999	
4. Name of Contact Person: Kendall Reichley	
5. Email: Kendall.reichley@sce.com	6. Phone Number: (213) 697-2247
7. Name of SCE Account Manager, if known (optional): Erin Tanaka	
8. How did you hear about the Program?	9. Charge Ready Vendor or Third Party Agent/Company Name (optional):

Sign the form electronically

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Enrollment Portal Continued

EDISON Enrollment Portal

Thanks for Submitting Your Notice of Intent

Dear Kendall Reichley,

Thank you for completing the Charge Ready Program Notice of Intent Form for Acme Stuff. This email confirms our receipt of your application that we are currently reviewing.

Your Application Details

Application Number: CRP-2016-0039

Site Address: 1301 GREENVIEW DR, LA HABRA, CA 90631

Site Description: North Party

Primary Utilization: Fleet

What's Next?

We will contact you within two weeks to discuss your application and your eligibility status.

To learn more about the Charge Ready Program, the application process, or for general inquiries, please review the [Charge Ready FAQs](#).

View, download and print completed Notice of Intent Form.

Get Started Now

Privacy Notice | Terms & Conditions | Contact Us

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Step 1 Complete

Your Interest Form Has Been Submitted

We are in the process of reviewing your application. In the next two weeks, we will contact you to discuss your potential participation in the program, provide you with an overview of Charge Ready, and help you understand the next steps of the enrollment process.

To preview your Notice of Intent form, please visit your [Charge Ready Profile Dashboard](#).

Questions? Please visit our [FAQs](#) page.

Kevin Tock (Internal) RE: 15 Apr Update Mon 4:58 PM

Microsoft Outlook Cluster moved new and different messages Sun 3:38 AM

Kevin Tock (Internal) 15 Apr Update Fri 4:15

Stacy Brennan (ESM) Summit Materials Thu 4:14

Aja Clarke RE: Step 1 - Notice of Intent Instructions - Expedited Review Co... Thu 4:14

notifications@chargeready.co (Internal) Notice of Intent Submitted Thu 4:14

Courtesy Update: We are reviewing your Charge Ready

notifications@chargeready.co (Internal) Confirm Your Charge Ready Account Thu 4:14

notifications@chargeready.co (Internal) Notice of Intent Submitted Thu 4:14

Pamela V Greene RE: Application Summary Under Review Wed 4:13

EDISON

Courtesy Update: We are reviewing your Charge Ready

EDISON

Thanks for Submitting Your Notice of Intent

Dear Kendall Reichley,

Thank you for completing the Charge Ready Program

notifications@chargeready.co (Internal) Confirm Your Charge Ready Account Yesterday 11:21

ALL (Internal) Confirm Your Charge Ready Account Yesterday 11:21

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Background



U.S. EPA sets National Ambient Air Quality Standards (NAAQS) for criteria pollutants

Areas designated attainment or nonattainment

If nonattainment, state submits State Implementation Plan (SIP) to demonstrate how and when NAAQS will be achieved, maintained and enforced

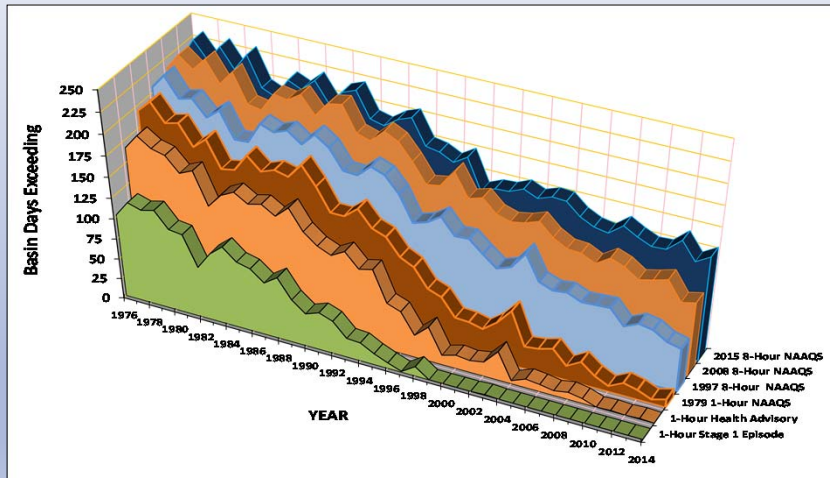
California Health & Safety Code requires AQMP since 1979

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

AQMP serves as the SIP for South Coast and Coachella Valley

The 2016 AQMP will be SCAQMD's 11th Plan

Air Quality Trends (ozone)



Air quality has dramatically improved; however, region still suffers from some of the worst air pollution in the nation

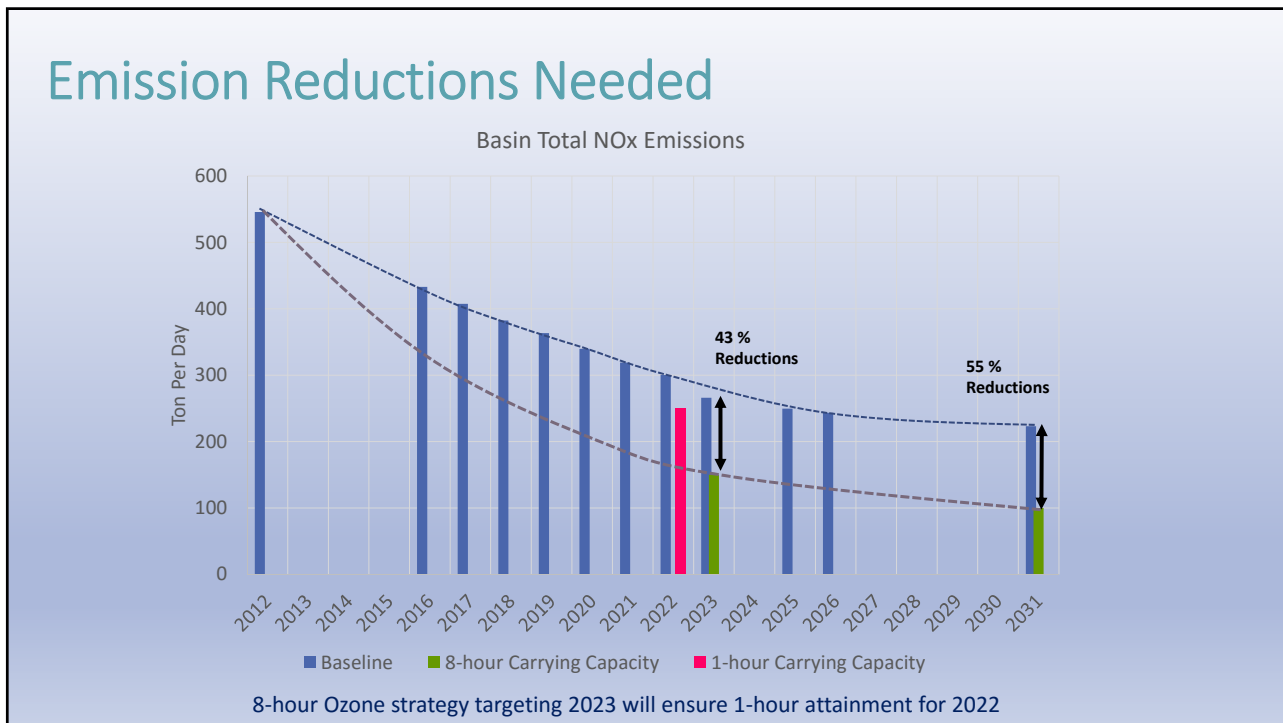
Number of Days Exceeding Current and Former Ozone NAAQS

Standards to be Addressed in Plan

- Clean Air Act requires attainment of standard to be achieved as **“expeditiously as practicable”** but no later than attainment year listed.
- Integrated Plan to address all standards in 2016 AQMP

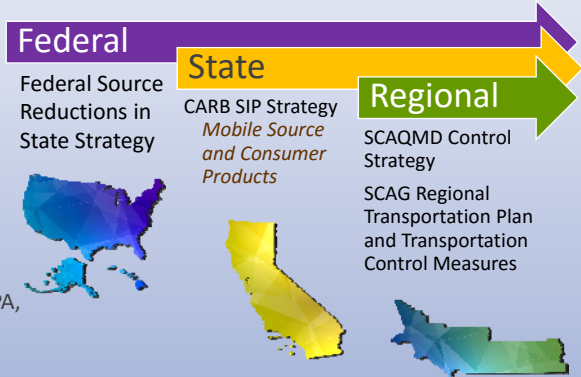
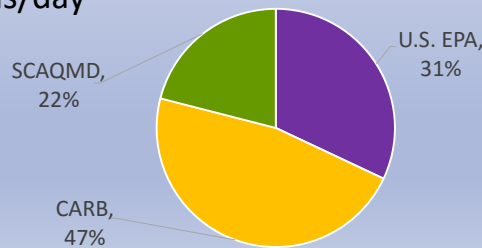
Criteria Pollutant	Standard	Classification	Latest Attainment Year	SIP Submittal Due Date
8-hour Ozone	75 ppb	Extreme	2031	July 20, 2016
Annual PM2.5	12 $\mu\text{g}/\text{m}^3$	Serious*	2025	October 15, 2016
24-hour PM2.5	35 $\mu\text{g}/\text{m}^3$	Serious	2019	August 12, 2017
8-hour Ozone	80 ppb	Extreme	2023	Update
1-hour Ozone	120 ppb	Extreme	2022	Update

*Draft 2016 AQMP requests re-classification to ‘serious’ from ‘moderate’



Legal Authority and Responsibility

- In 2012, 88% of NO_x comes from mobile sources
- Limited local authority over mobile sources
- 2031 NO_x baseline emissions: 223 tons/day



AQMP Approach

Past AQMP



AQMP Approach

2016 AQMP



2016 AQMP vs Past Plans

SCAQMD Stationary Source Reductions from Traditional Regulatory Measures (tons per day)

Pollutant	2007 AQMP ¹	2012 AQMP ²	2016 AQMP ¹	
			2023 Std	2031 Std
NOx	9	3.2	2.2	8.1
PM	3	11.7	3	3
VOC	19	5.8	4.7	7.6

1. PM & Ozone Plan

2. PM Plan (24-hour standard)

Stationary Source Approach

Thoroughly evaluated all source categories and control options

- Detailed look at emission inventory
- Analysis of measures implemented through-out the country (RACT)
- Symposium, working groups, technical papers, and advisory group

Limited feasible regulatory options remaining for NOx reductions

- Reductions in NOx from non-refinery flares
- NOx controls for cooking appliances
- Further NOx reductions from continuing RECLAIM reassessments

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

Incentive programs for residential/small business sources can achieve cost-effective reductions on a project-by-project basis



Facility-based Measures

- SCAQMD does not have primary regulatory authority
- Set targets, work collaboratively to achieve creditable NOx reductions
- Approach:

TRUST
VERIFY
ENFORCE

✓ New Development and Redevelopment Projects (EGM-01)

✓ Commercial Marine Ports (MOB-01)

✓ Commercial Airports (MOB-04)

✓ Rail Yards/Intermodal Facilities (MOB-02)

✓ Warehouse Distribution Centers (MOB-03)



Plan Highlights

Partnering with other entities to achieve multiple goals

- Reduce greenhouse gases and toxic risk
- Increase efficiencies in energy, transportation and goods movement

Fair-share emission reductions (federal, state, & local)

Significant funding needed to attain the standards

- All feasible regulatory options not sufficient
- Accelerated transition of vehicles, equipment, buildings, and industrial facilities to zero or near-zero technologies

Plan Highlights (cont.)

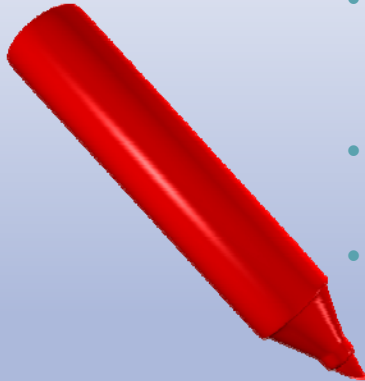
Ozone Standard Attainment

- 1-hour (2022)- no reliance on “black box” measures
- 8-hour (2023 and 2031) – defined pathways to attainment, including regulatory opportunities, co-benefits, and expanding incentive programs

PM2.5 Standard Attainment

- 24-hour (2019) - *no additional measures needed*
- Annual (2025) - *achieved from implementation of ozone measures*

Bottom Line

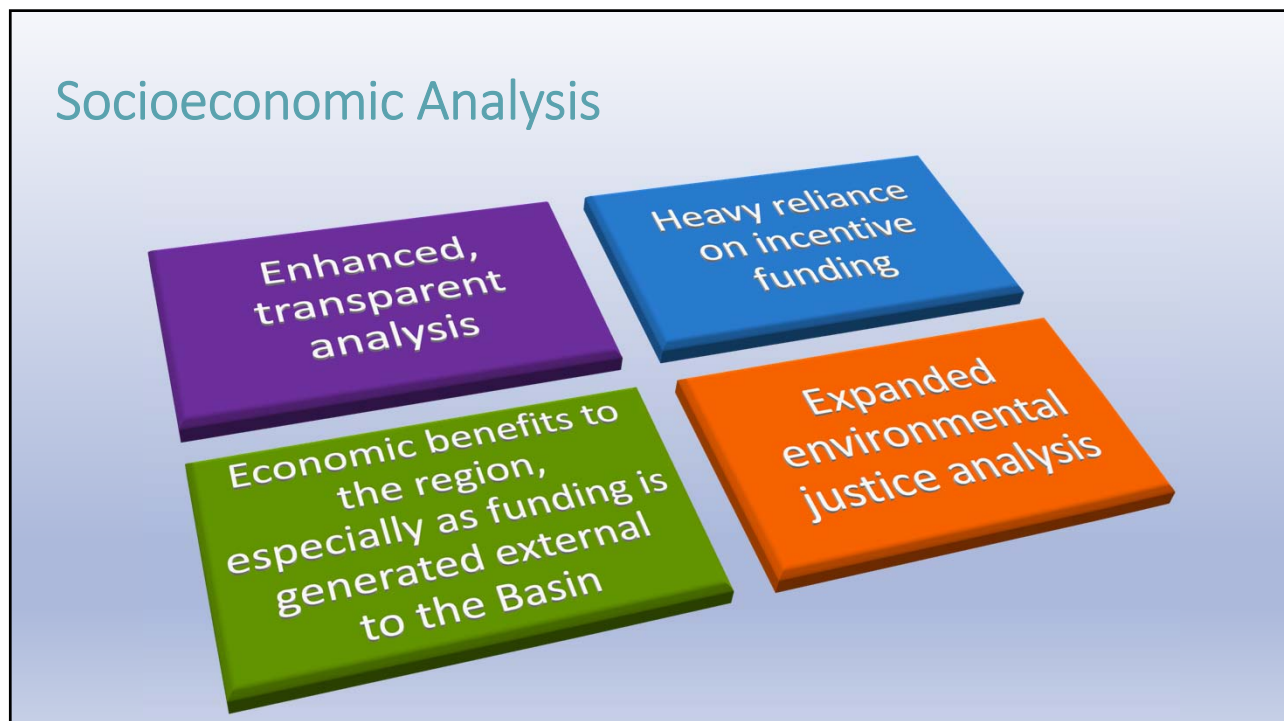
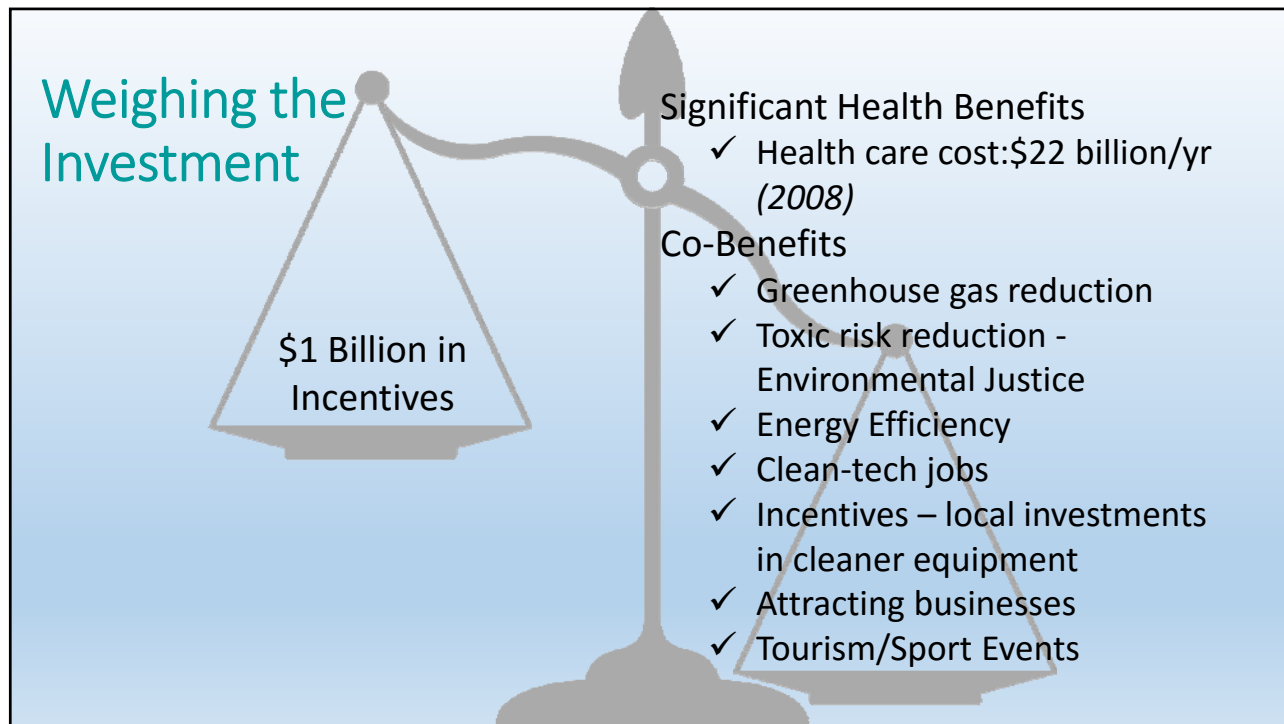


- Accelerated early deployment of zero and near-zero technologies for mobile and stationary sources
- Significant expansion of financial incentive programs needed
- Total incentive funding needs:
 - ✓ \$11 – \$14 Billion over 15 years

~ \$1 billion/year

Incentive Funding

- Critical to achieving healthful air for our residents
- Work with CARB, U.S. EPA, and state and federal lawmakers
 - ✓ e.g., seek to establish Federal Clean Air Investment Fund
- Context:
 - ✓ Basin GDP: \$1.1 trillion/year
 - ✓ Basin Energy Costs: ~\$40 – 60 billion/year
 - ✓ Proposed Basin Transportation Infrastructure Cost:
 - ~ \$20 billion/year
- Sanctions (e.g. loss of transportation funding) more costly than incentive funding needs
- Action plan to secure funding will be developed

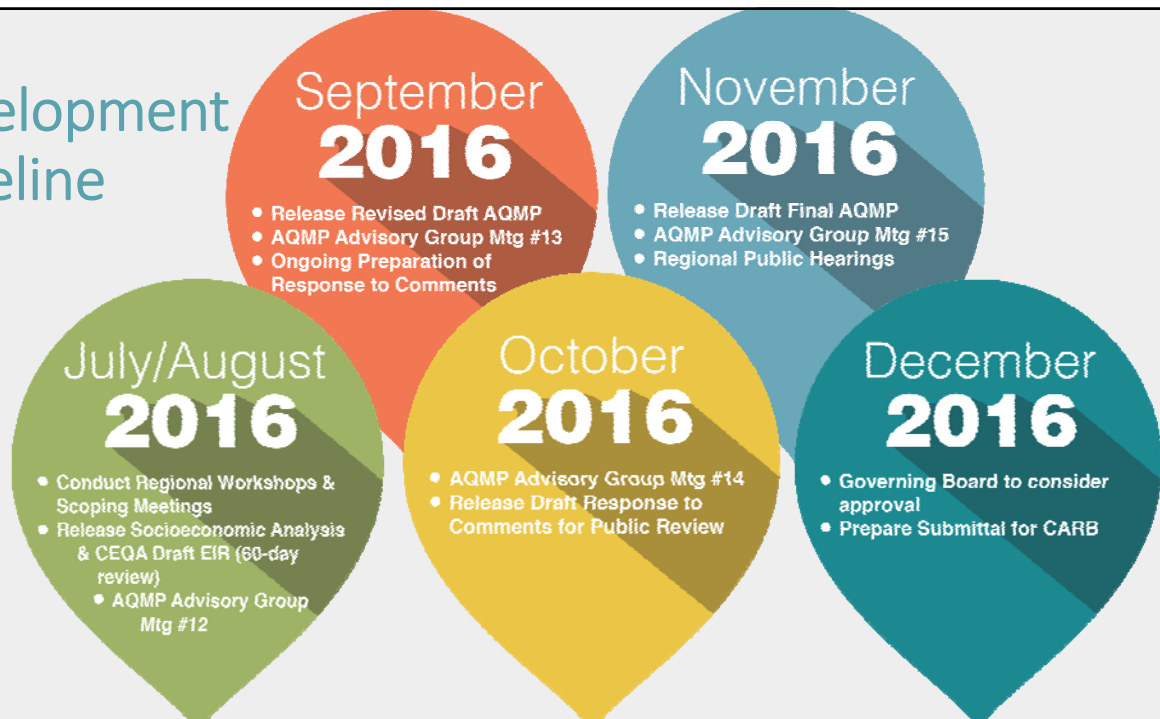


Current Status

- Draft Plan (and Appendix IV) publicly released June 30
- Technical appendices to be posted online when available
- Workshops conducted in four counties, Coachella Valley and nighttime at SCAQMD headquarters
- Public interest in more regional stakeholder meetings
- **Meanwhile, on July 8, 2016 U.S. EPA issued a final rule for the attainment of the 1997 annual PM_{2.5} (15 µg/m³) and 24-hour PM_{2.5} (65 µg/m³) for the South Coast Air Basin based on 2011-2013 monitoring period**



Plan Development Timeline



Commenting on the Draft Plan

- **Draft Plan:** <http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/Draft2016AQMP>
- Email comments to: aqmp@aqmd.gov
- Responses to comments received by August 19, 2016 will be included in the Revised Draft Plan
- **Michael Krause**
Planning & Rules Manager
(909) 396-2706
mkrause@aqmd.gov

UPDATE ON AB 1318 EMISSION MITIGATION PROJECTS

SCAQMD Environmental Justice Advisory Group
July 29, 2016

Fred Minassian
Assistant Deputy Executive Officer
Technology Implementation



BACKGROUND

- ◉ In January and April 2013, the Board awarded 26 emission reduction projects for a total amount of \$51,063,258.
 - Project funds: \$50,652,440
 - Interest funds: \$ 410,818
\$51,063,258
- ◉ Funding distribution goal:
 - 30% in Environmental Justice areas
 - 30% within 6 mile radius of power plant
 - 40 % anywhere in Coachella Valley

OVERVIEW

- ⦿ Subsequent project and funding amendments were approved by the Admin Committee in June and November 2014, and September 2015
- ⦿ There are currently 26 projects with executed contracts comprised of:

■ Project funds:	\$ 50,646,940
■ Interest funds:	\$ 1,015,335
■ Rebates received:	\$ <u>20,498</u>
	\$ 51,682,773

3

STATUS

- ⦿ 17 projects completed
- ⦿ 4 projects expected to be completed by September 2016
- ⦿ 3 projects expected to be completed by the end of 2016
- ⦿ 1 project expected to be completed by mid 2017
- ⦿ 1 long-term project

4

COMPLETED PROJECTS

- Coachella Valley USD (EJ)
7 new CNG buses in operation (\$1,235,500)
- Sun Power Solar (Palm Desert) (Other Areas)
Installation and grid connection completed at College of the Desert (\$2,000,000)
- Desert Sands USD (La Quinta) (EJ)
 - 5 propane buses in operation (\$650,000)
 - CNG station upgrade complete (\$174,250)

5

COMPLETED PROJECTS

- Summit Insulation (6-Mile)
Weatherization of 187 homes (\$342,995)
- Angel View (Palm Springs)
(Other Areas)
5 new CNG vehicles in operation (\$239,537)



6

COMPLETED PROJECTS

- Palm Springs USD (6-Mile)

Solar installations at Two Bunch Palms, Bubbling Wells, and Desert Hot Springs schools are complete (\$3,000,000)



Two Bunch Palms Elementary School



Bubbling Wells Elementary School



Desert Hot Springs High School

COMPLETED PROJECTS

- Torres Martinez Desert Cahuilla Indians (Thermal) (EJ)

Paving & landscaping of 7 acres for dust control (\$999,989)



Before



Admin Complex

After

COMPLETED PROJECTS

Torres Martinez Desert Cahuilla Indians



Before

After

9

COMPLETED PROJECTS

• Riverside County (EJ)

Paving 9 miles of unpaved surfaces within 35 mobile home parks (\$4,097,114)



Before



After

10

COMPLETED PROJECTS

- Renova Energy (EJ)

Solar projects in three locations at the Boys and Girls Club (\$1,200,000)



Indio
Boys & Girls Club



La Quinta
Boys & Girls Club



Coachella
Boys & Girls Club

11

COMPLETED PROJECTS

- St. Elizabeth's of Hungary Food Pantry (6-Mile)

CNG powered pickup truck replacing an existing medium-duty gasoline truck (\$48,495)

- IQ Air (Thermal) (EJ)

Air filtration for 7 schools (\$921,235)

- Coachella Valley USD (EJ)

Air filtration installation at Mecca and Saul Martinez Elementary Schools (\$337,200)

12

COMPLETED PROJECTS

- **Renova Energy (Other Areas)**

Two solar carport installations at Sunline Transit
(\$314,584)



Solar Carport at Sunline Transit Agency

13

COMPLETED PROJECTS

- **City of Coachella (EJ)**

Completed solar carport, and procurement of two medium-duty CNG vehicles and two all electric vehicles (\$1,135,687)

- **Border Valley Trading (6-Mile)**

LNG/CNG fueling station is complete (\$900,000)

- **City of Desert Hot Springs (6-Mile)**

17 CNG vehicles purchased to replace older gasoline vehicles, and upgrade of CNG station completed (\$1,024,641)

14

PROJECTS IN PROGRESS

Expected Completion September 2016

Project Proponent	Project Type	Award (\$)	Status
City of Desert Hot Springs (45) (6-Mile)	Solar	\$ 1,484,329	City staff awarded bid to Precision Electric. Work in progress to install a ground mount solar installation at police headquarters.
City of Palm Springs (24a) (6-Mile)	Solar Visitor Center, Train Station, Fire Station & Unity Center Buildings	\$ 1,175,225	City of Palm Springs has selected SolarCity as their contractor; they are working on finalizing the contract and seeking City Council approval in early June. The project will be an approximately 400kW DC ground mount system.

14

PROJECTS IN PROGRESS

Expected Completion September 2016

Project Proponent	Project Type	Award (\$)	Status
FIND Food Bank –Indio (36a) (6-Mile)	CNG Vehicles	\$ 304,623	One van is purchased, paid for, and in operation. Final payment on second vehicle is contingent on acceptable operation of the refrigeration truck
Mission Springs Water District (62) (6-Mile)	1 MW solar project	\$ 3,330,546	Unanticipated interconnection fees of \$446,700 approved by Water District Board on March 21, 2016. Final design completed and work in progress.

15

PROJECTS IN PROGRESS

Expected Completion December 2016

Project Proponent	Project Type	Award (\$)	Status
Quality Interiors (38) (EJ & 6-Mile)	Weatherization	\$4,066,823	<p>Since original award of \$2.4 million, Admin Committee has approved two contract amendments to increase funding to the current amount</p> <p>Completed weatherization of 510 homes in the EJ area, and 1161 homes within the 6-mile Area. The project has also received \$293,378 in rebates</p> <p>About \$780K remains in funding for additional weatherization</p>

16

PROJECTS IN PROGRESS

Expected Completion December 2016

Project Proponent	Project Type	Award (\$)	Status
Coachella Valley USD (41b) (EJ)	CNG Fueling Facility	\$ 300,000	Coachella Valley USD has selected contractor and subcontractor and has begun grading the site
City of Coachella (57a) (EJ)	Signal Synchronization	\$ 3,000,000	City requested an 18 month delay due to staff changes and technology upgrades. Project proceeding

17

PROJECTS IN PROGRESS

Expected Completion mid-2017

Project Proponent	Project Type	Award (\$)	Status
City of Desert Hot Springs (46) (6-Mile)	Dust Control	\$2,000,000	Paving parking lot at Cabot's museum completed
			Modified land stabilization portion of contract to include both City owned and privately owned lands.



Cabot's Museum Parking Lot

17

PROJECTS IN PROGRESS

Long-Term

Project Proponent	Project Type	Award (\$)	Status
CVAG (14) (Other Areas)	CV Link	\$17,400,000	<p>To date about \$76M is committed to the project, including \$10.9M from Caltrans Active Transportation Program, and \$10M from Desert Healthcare District</p> <p>Conceptual Master Plan is approved</p> <p>EIR and EA started a year ago. Caltrans is the lead agency, and draft EIR to be released by fall 2016</p> <p>Work plan will be provided to SCAQMD for approval, starting with Cathedral City</p> <p>2.5 miles early design stage to begin in Cathedral City this summer</p>

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PROJECT DISTRIBUTION

- Actual distribution of current projects with total funding of \$51,682,773:

EJ Area	Within 6 Miles	Other Areas
\$15,788,840	\$15,939,812	\$19,954,121
30.6%	30.8%	38.6%

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AVAILABLE FUNDS

- Interest earned as of April 30, 2016, since inception

	<u>Earned</u>	<u>Obligated</u>	<u>Available</u>
■ Program:	\$1,237,081	- \$1,015,335	= \$221,746
■ CVAG:	\$ 303,582		= \$303,582

- Program funds

- \$5,500; St. Elizabeth's of Hungary Food Pantry project completed with less funds than the awarded contract amount; additional funds may become available from projects completed at lower cost

22

EMISSIONS REDUCTIONS

- Sentinel power plant Annual Emissions Report for 2015 indicates emissions of PM2.5 = 6.8 tons
- Estimated PM2.5 emission reductions generated from three paving projects:

Proponent	Project Type	Funding	PM2.5 Red. tons/yr
Riverside County	Mobile home road paving	\$ 4,097,114	10
Torres Martinez Desert Cahuilla	Paving roads and parking	\$ 999,989	3.5
City of Desert Hot Springs	Paving Cabot museum parking	\$ 470,000	0.17
Total			13.67

Opportunities for Clean Freight

Agenda Item No. xx

Environmental Justice Advisory Group Meeting

July 29, 2016

1

Governor's Executive Order B-32-15

- Executive Order Issued July 16, 2015
 - Develop an Integrated Action Plan by July 2016 which:
 - Establishes Clear Targets to Improve Freight Efficiency
 - Transitions to Zero-Emission Technologies
 - Increases Competitiveness of California's Freight System
- Identify State Policies, Programs, and Investments to Achieve Targets

2

Governor's Executive Order B-32-15

- Initiate Work Beginning in 2015 on Corridor-Level Freight Pilot Projects within the State's Primary Trade Corridors Integrating
 - Advanced Technologies
 - Alternative Fuels
 - Freight and Fuel Infrastructure
 - Local Economic Development Opportunities
- Agencies Under Direct Executive Authority Cooperate in Implementing Executive Order
- Request that Other Public and Private Entities Assist in Development and Implementation

3

State Agencies Leading Effort

- California State Transportation Agency
- California Environmental Protection Agency
- California Natural Resources Agency
- Governor's Office of Business and Economic Development
- California Department of Transportation
- California Air Resources Board
- California Energy Commission

4

Vision and Guiding Principles

- 2050 Vision

*“Utilize a partnership of federal, state, regional, local, and industry stakeholders to move freight in California on a modern, safe, integrated, and resilient system that continues to support California’s economy and livability. **Transporting freight reliably and efficiently by zero emission equipment everywhere feasible, and near-zero emission equipment powered by clean low-carbon renewable fuels everywhere else.**”*

- Guiding Principles

(Characterize Priorities for Future Investments)

- Regional and Local support
- Economy
- Safety
- Community Impacts
- Maintenance
- Reliability
- Efficiency
- Environment
- Resiliency
- Land Use

5

2030 Targets

- Improve Freight System Efficiency 25% by 2030
 - Metric: Gross Domestic Product/CO₂e (\$/Metric Ton)
 - Base Year – 2014
 - Example Estimate - ~3.8% Improvement
- Deploy 100,000 Zero-Emission Vehicles/Equipment and Maximize Near-Zero by 2020
- Foster Future Economic Growth within the Freight and Goods Movement Industry

6

State Agency Actions

- 1) Work with State Legislature on Freight Transportation Funding Package
- 2) Work with State Legislature on Distribution of Federal FAST Act Funds
- 3) Plan and Invest in Infrastructure to Modernize Freight Corridors
- 4) Accelerate Use of Advanced Technologies and Renewable Fuels
- 5) Establish a Sustainable Freight Think Tank

7

State Agency Actions

- 6) Develop Strategies, Tools, and Data that Considers Commercial Viability and Promotes Competiveness
- 7) Continue Work with Freight Efficiency Development Group
- 8) Implement Steps to Meet Existing and Future Workforce Needs
- 9) Identify Regulatory or Permitting Process Improvements

8

Identified Actions

- 3) Plan and Invest in Infrastructure to Modernize Freight Corridors
 - Medium- and Heavy-Duty Vehicle Charging and Hydrogen Infrastructure Assessments, Planning, and Incentives
 - Coordination on Freight Facilities, Siting, Design, and Operation
 - Research Efforts to Support Freight Transport System Development
 - Freight Data Collection and Modeling Tool Development to Enhance Knowledge and Planning for Freight Corridor Improvement State Investments

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Identified Actions

- 3) Plan and Invest in Infrastructure to Modernize Freight Corridors
 - Highway Freight Network Design, Planning, Maintenance, and Operations Improvement
 - Feasibility Assessment of Developing Dedicated Freight Lanes Along Highway Capacity Corridors
 - Inland Facility, Short-Haul Shuttle, and Inland Seaports Utilization with Less Impact on Nearby Communities
 - Freight Rail Network Improvements
 - Aviation Efficiencies: National Satellite-Based Air Traffic Management System
 - Freight Network Safety Improvements

12

Identified Actions

- 4) Accelerate Use of Advanced Technologies and Renewable Fuels
- Investments in Advanced Vehicles and Equipment Technology Demonstrations and Deployment, Renewable Fuel Production, and Other Freight Technologies
 - Cleaner Combustion Truck Standards
 - Freight Technology and Fuels Data Collection and Analysis
 - Low-Carbon Renewable Fuels Development and Requirements
 - Vehicle-Grid Integration Technology Research and Technical Assistance
 - Heavy-Duty Zero Emission Vehicle Fueling Infrastructure Research, Development, and Demonstration

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Identified Actions

- 4) Accelerate Use of Advanced Technologies and Renewable Fuels
- Oceangoing Vessel Standards and Incentives
 - Zero Emission Freight Vehicle and Equipment Requirements and Incentives
 - Stricter National Locomotive Emission Standards and Remanufacture Requirements
 - Further Deployment of Cleaner Technology through Regulations, Partnerships, and Incentives
 - Partnerships with Seaports to Advance Freight Vehicle and Equipment Technology Demonstrations
 - Outreach and Advocacy to Increase Awareness of Advanced Vehicle and Equipment Technologies and Clean Energy Generation Options for Freight

14

Identified Actions

- 6) Develop Strategies, Tools, and Data that Considers Commercial Viability and Promotes Competiveness
 - Competiveness Data Development
 - Marketing Campaign

- 7) Continue Work with Freight Efficiency Development Group
 - Truck Trip Planning, Coordination, and Management Improvements
 - Freight Intelligent Transportation System Enhancements
 - Off-Hour Delivery/Pick-Up Strategy
 - Cross-Jurisdictional Information Sharing

15

Identified Actions

- 8) Implement Steps to Meet Existing and Future Workforce Needs
 - Regional Workforce Development Initiatives
 - Training Models
 - Community Workforce Agreements

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Other Opportunities for Clean Freight

- Draft 2016 AQMP/State Mobile Source Strategy
- Establish New Engine Emission Standards for On-Road Engines, Locomotives, Marine Vessels
- Proposition 1B Funding
- Carl Moyer Program
- Hybrid Truck and Bus Voucher Incentives Program (HVIP)