



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

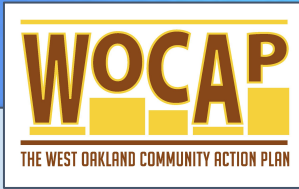


**West Oakland  
Environmental  
Indicators Project**  
*know which way the wind blows*



# Steering Committee

June 5, 2024



# Welcome!

Name, Affiliation/Organization

Please sign in/add comments in the sheet:

- **Member Sign In Sheet-**

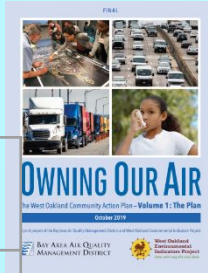
[https://docs.google.com/spreadsheets/d/16BY-USA4BX83DF1jXLTqYO\\_qBLLE-hltbUUQOPf0Nro/edit#gid=0](https://docs.google.com/spreadsheets/d/16BY-USA4BX83DF1jXLTqYO_qBLLE-hltbUUQOPf0Nro/edit#gid=0)

- **Meeting Attendees-**

[https://docs.google.com/spreadsheets/d/1YOsLO8dMZWR8j7szFPS6KUvWHfVXN\\_PrFAyYvB5nrUk/edit#gid=66027727](https://docs.google.com/spreadsheets/d/1YOsLO8dMZWR8j7szFPS6KUvWHfVXN_PrFAyYvB5nrUk/edit#gid=66027727)

# Owning Our Air - West Oakland AB 617 Steering Committee Meeting

## Wednesday, June 5, 2024 | 6:00 pm to 8:00 p.m.



Time	Item
6:00-6:05 pm (5 min)	Roll Call
6:05-6:10 pm (5 min)	Welcome and Co-leads Report
6:10-6:20pm (10 min)	Follow Up from Previous Meeting
6:20-6:40pm (20 min)	5-Year Progress Report - Emissions Inventory
6:40 - 7:55 pm (75 min)	5-Year Progress Report - Strategy Update Breakouts
7:55-8:00pm (5 min)	Meeting Evaluation Survey



# Welcome and Co-Leads Report

# Co-Leads Report

- **West Oakland Sustainable Transportation Equity Project (STEP) contract signed!**
- **Extensive Sidewalk Repair + tree planting (1500+)**
- **Reaching out soon for resident priorities**

# WOCAP 2024 Schedule

Date	<i>Meeting Type</i>
Thursday, July 25 @ 10-11:30am @ 5-6pm	<b><i>No official Steering Committee Meeting</i></b> Virtual work sessions to review proposed partner strategy revisions
Wednesday, August 7 @ 12:00-1:30pm	<b>Steering Committee ONLY.</b> In-Person Work Session: CARB enforcement
Wednesday, September 4 @ 6:00-8:00pm	<b>PUBLIC Virtual Quarterly Meeting:</b> Five Year Report
Wednesday, October 2 @ 12:00-1:30pm	<b>Steering Committee ONLY.</b> In-Person Work Session
Wednesday, November 6 @ 6:00-8:00pm	<b>PUBLIC Town Hall / Community Celebration</b>

# Share Your Voice on a Air Quality and Health Equity Dashboard

- Upcoming virtual workshops to share feedback on a draft web-based air quality and health equity mapping tool (to support AB 617 communities)
- Funded by the CARB
- UCLA Public Health researchers working with The Allies in Reducing Emissions (AIRE) Collaborative (EJ Groups across the state including WOEIP)



West Oakland  
Environmental  
Indicators  
Project



Casa  
Familiar





## Virtual Community Workshop: Shaping California's Air Quality & Health Equity Dashboard

For Community Residents & Community Groups (English & Spanish)

TUESDAY JUNE 25 @ 6 PM THURSDAY JUNE 27 @ 6 PM

For Local/State Agency Staff & Officials (English only)

DATES TO BE ANNOUNCED

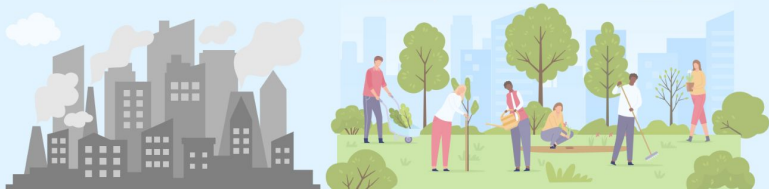


How can this dashboard be helpful for me, my family, and my work?

- Get data to back up your advocacy efforts for cleaner air
- Understand and discuss health/air quality issues with your city leaders
- Access information to strengthen grant applications
- Better serve your community by seeing the impacts of pollution



[bit.ly/HealthDashboard24](https://bit.ly/HealthDashboard24)  
Call or text  
760-618-1651



## For Community Residents & Community Groups (*English & Spanish*)

- Tuesday, June 25, 6:00 - 7:30 PM
- Thursday, June 27, 6:00 - 7:30 PM

## For Local/State Agency Staff & Officials (*English only*)

- Date and Time TBD (late July)

## Register now at:

[bit.ly/HealthDashboard24](https://bit.ly/HealthDashboard24) or text/call 760-618-1651 to receive a confirmation with instructions to join online or by phone.





# Follow-Up from May Meeting

# May Meeting - WOAQ (West Oakland Air Quality) Network

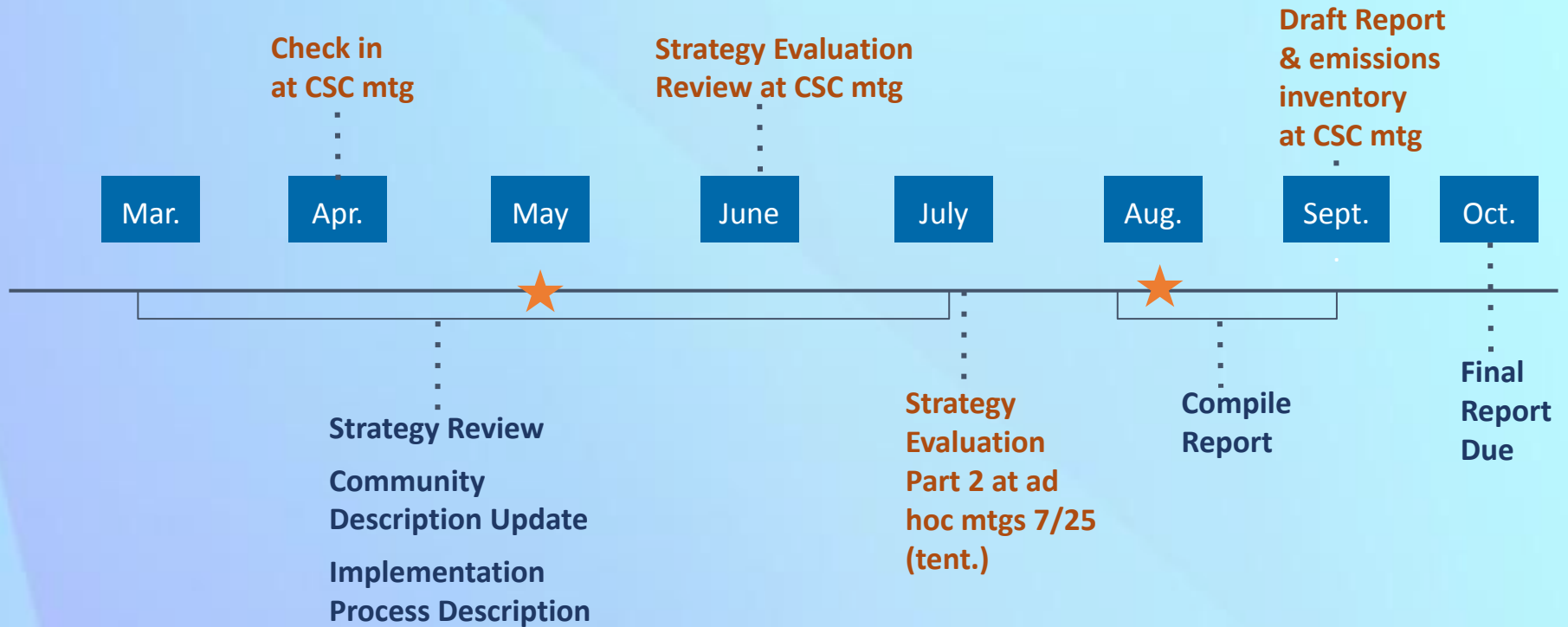
- Partnership with Sonoma Tech
- Hyperlocal air monitors  
(black carbon, PM2.5 and metals)
- Site locations - current
- Site opportunities
- Accurate and community oriented maps



# WOCAP Five Year Progress Report

Emissions Inventory Approach

# Five Year Progress Report Timeline

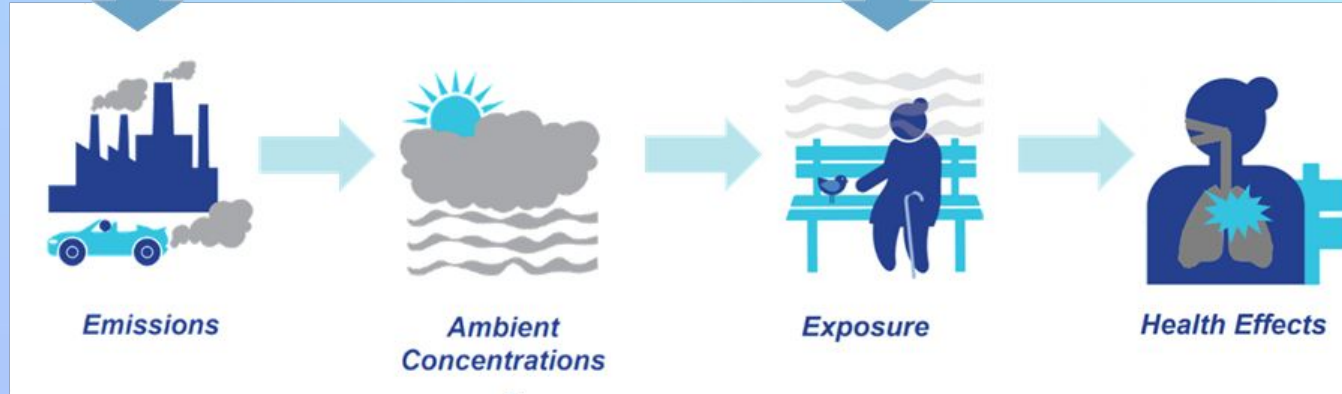


★ Informal updates during monthly working sessions to review progress on report

# What is an emissions inventory?

How much air pollution is being emitted?

Who ends up breathing the air pollution?



What happens to the air pollution after it is emitted?

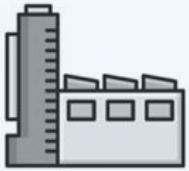
How does the pollution impact people's health?



# What sources are covered?

## Stationary Sources

### Point Sources



Facilities with sources that have been issued a permit or registered by the Air District

### Area Sources



Small, dispersed sources such as fireplaces, water heaters, and consumer products

## Mobile Sources

### On-road Sources



Vehicles that travel on roadways, such as cars, trucks, and buses

### Off-road Sources



Vehicles and equipment such as trains, airplanes, ships, and bulldozers



# What pollutants are covered?

## Two air pollution “buckets”

### Criteria Air Pollutants (CAPs)

- Harm human health
- Regulated based on air quality standards that define clean air\*
- An important example is fine particulate matter (PM<sub>2.5</sub>)

### Toxic Air Contaminants (TACs)

- Can cause cancer, other serious health effects
- Have no “safe” exposure level (unlike CAPs)
- Examples include diesel particulate matter (DPM) and benzene

\*“Clean air” can be defined as the amount of a pollutant that can be present in outdoor air without harming public health



# West Oakland Technical Assessment

## Monitoring Studies

- WOEIP partnered with EDF, Google, and Aclima to conduct detailed measurements from May 2015- May 2016.
- EDF developed maps showing black carbon (BC) measurements

## Impact Zones

- The Steering Committee used the EDF maps to identify **7 impact zones**
- Each zone had BC measurements above the West Oakland median



*West Oakland Neighborhood Zones with high measured levels of black carbon - Figure 4-2 from the WOCAP*



# West Oakland Technical Assessment (cont'd)

## Community-scale Emissions Inventory

- WOCAP includes tabulated emissions data for 2017, 2024, and 2029
  - Includes PM<sub>2.5</sub>, diesel particulate matter (DPM), Cancer Risk-weighted emissions
- Modeled forecasts prepared for ***Business-As-Usual*** (no WOCAP implementation) vs. ***With Plan Implementation*** scenarios

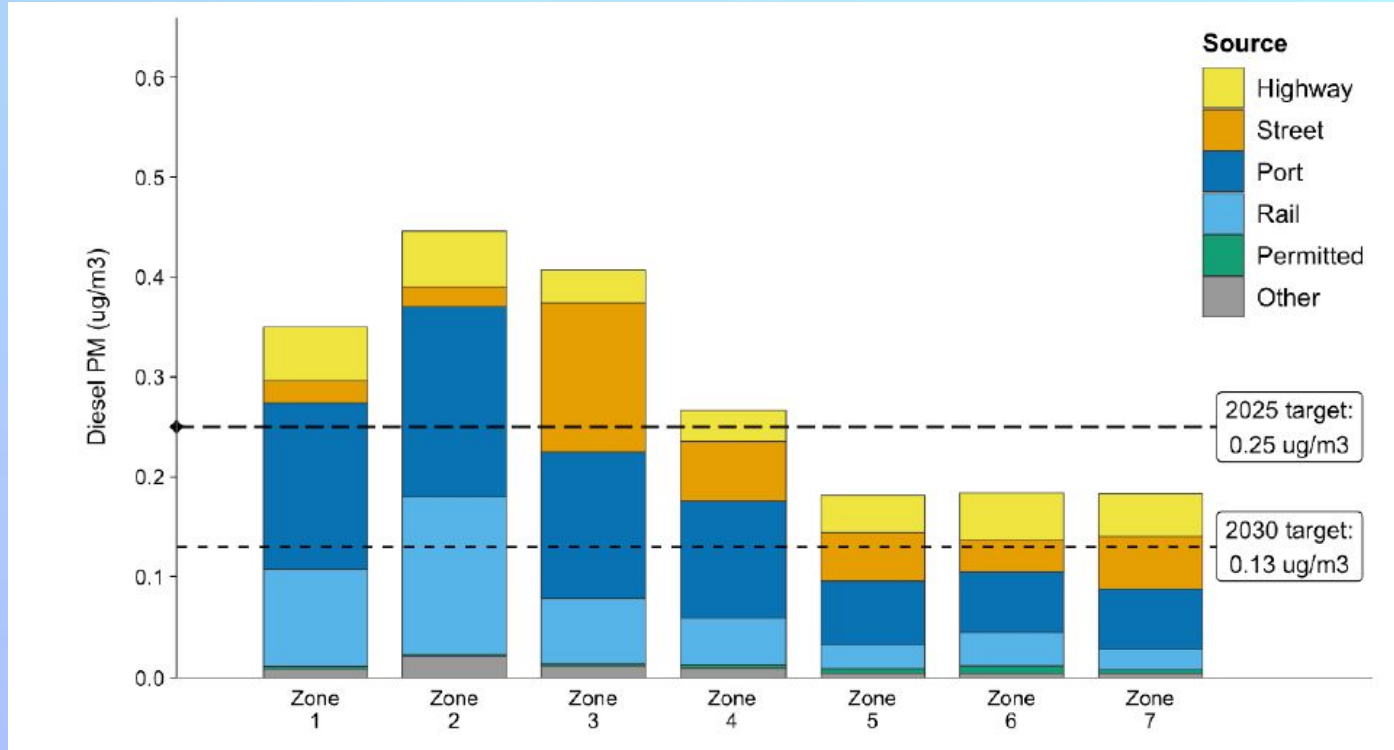
## Exposure Analysis

- Dispersion modeling done for local sources with sufficient data
- Provides pollutant concentrations at 20-meter resolution
- Regional modeling used to estimate background concentrations

# West Oakland Technical Assessment (cont'd)

## Source Contributions

*DPM concentrations by source category and impact zone (local sources only) - Figure 5-11 from the WOCAP*



# Update Model Inputs & Assumptions

## Source

	Highway
	Street
	Port
	Rail
	Permitted
	Other

Source	Updated Information
<b>On-road vehicle emissions</b>	CARB's latest mobile source model
<b>Permitted facility emissions</b>	Latest Air District reporting data
<b>Port and Railyard emissions</b>	Latest data and growth assumptions

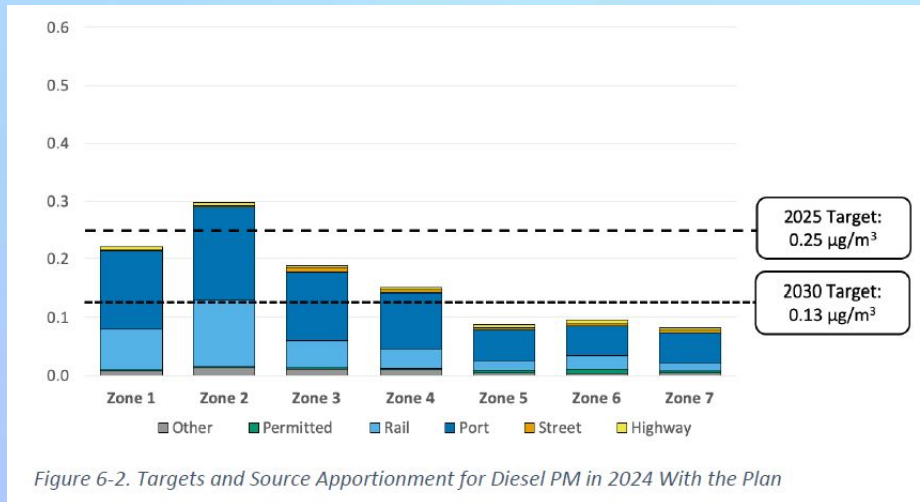
# New regulations influence updates

→ includes estimates of emissions reductions from these new regulations

New CARB Regulations	Adoption Date
Advanced Clean Cars II (ACCI)	November 2022
Advanced Clean Fleets	April 2023
Heavy-Duty Inspection and Maintenance (HDIM)	December 2021
Small Off-Road Engine (SORE) Amendment	December 2021
Transportation Refrigeration Unit (TRU) Regulation	February 2022
Commercial Harbor Craft (CHC) Regulation	March 2022
In-Use Locomotive Regulation	April 2023

# Next Steps

- Complete inventory updates for 2024 and 2029
- Document emissions changes that result from activity changes, regulations, or plan actions
- Adjust source contribution results using updated emissions



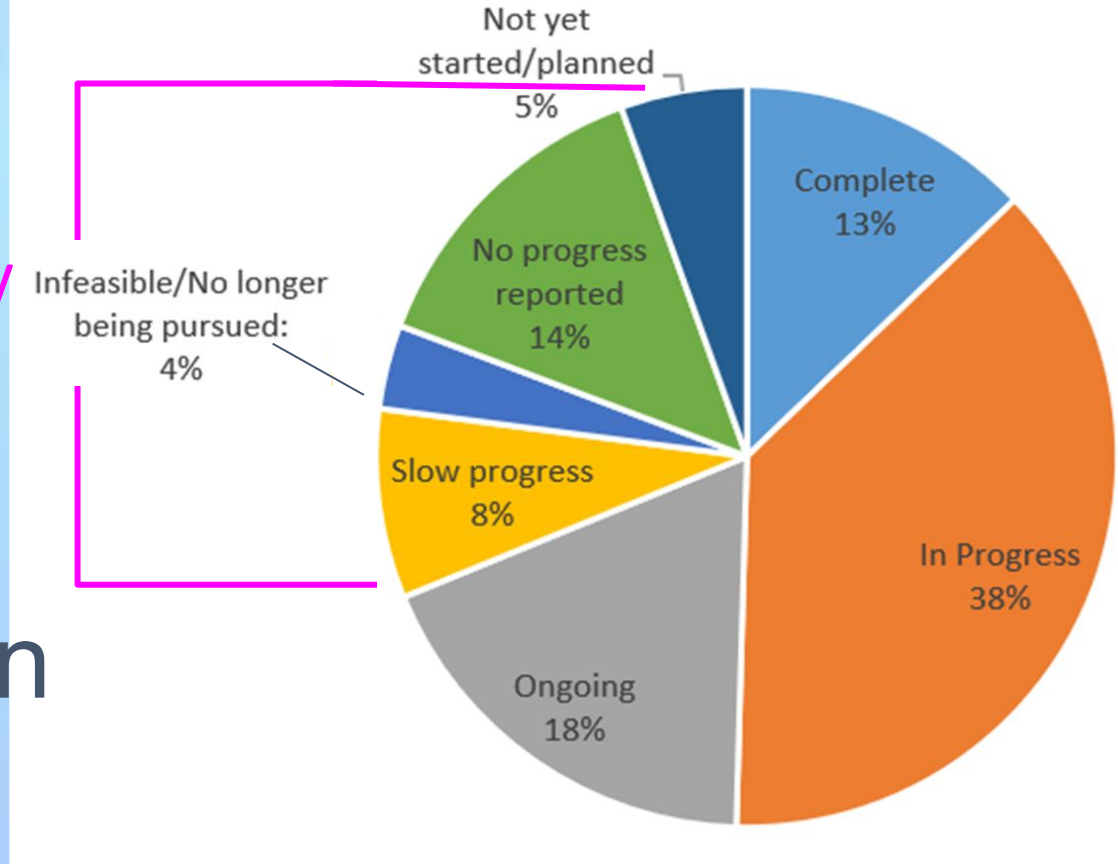


# WOCAP Five Year Progress Report

# WOCAP Progress

Focus of strategy  
evaluation

Implementation  
at-a-Glance



# Strategy Revision Process

Agencies  
review  
CSC  
feedback

Agencies  
review  
CSC  
feedback

**June  
CSC Meeting**



**July Supplemental  
CSC Work Sessions**



**Aug  
CSC Work Session**

Part 1

Air District  
Port

Part 2

Alameda County Public Health Department  
City (Planning)  
City (City Administrator's Office)  
City (Sustainability)  
City (Dept of Transportation)  
CARB

Part 3

Wrap up part 1 and 2  
(if needed)  
  
Updates on all other  
strategies (those "in  
progress" and  
"ongoing")



# Part 1 Strategy Evaluation

Total strategies  
being evaluated

Air District	Port
6	5

# Part 1 Strategy Review Process

**Step 1:** Air District, Port developed revised strategies

**Step 2:** Steering Committee reviews draft revisions workbook before meeting

**Step 3:** CSC meeting (and supplemental work sessions) to review Steering Committee comments

**Step 4:** Review feedback, further revisions

**Step 5:** Summarize comments and send final draft revisions based on feedback



# Break Out Group Activity

# Small Group Activity

Two breakout groups: (45 minutes)

- CSC members
- Members of the public

1. Review original strategy language, the proposed action (*revise OR close out*) and the rationale.
2. Discuss / answer the question:  
***Does the proposed action / revision seem right and aligned with WOCAP outcomes?***
3. Large group report out (25 minutes)

**Topic: Mobile Sources** (Topics found in WOCAP Table 6-4)

## Original Strategy

### Strategy #67

The Air District intends to seek authority in 2021 to reduce emissions and risk from magnet sources, such as the Port of Oakland, freight operations and warehouse distribution centers.

Lead: Air District

**Proposed Action: Revise Strategy**

## DRAFT Revised Strategy

The Air District intends to pursue future programs to reduce emissions and risk from magnet sources via an Indirect Magnet Source policy package. Reductions would come from the Port of Oakland, freight operations and warehouse distribution centers.

### Rationale

Through the Air District's work on an Indirect Magnet Source policy package, the Air District will provide technical support to the City of Oakland related to reviewing policies and practices to assess opportunities to update requirements to reflect zero emissions advancements for delivery fleets, and heavy-duty trucks.

### Comments



# Evaluation

# Monthly Post-Meeting Evaluation Survey

- You have time now to complete the survey
  - [www.woeip.org/wocap-sc-survey](http://www.woeip.org/wocap-sc-survey)
- We will also email the link after the meeting



# Adjourn



RESERVED  
PARKING  
ONLY

RESERVED  
PARKING  
ONLY



# New Business

*(new standing agenda item)*

- No content here this month
- This is a placeholder where every month
  - the Co-Leads can offer information about new items in response to a Steering Committee request
  - Co-Leads can solicit Steering Committee feedback on or assess interest in new items.
  - Be a space for SC to request future agenda items