



Public Work Group to Discuss Clean Mobility Investment Projects and the Fiscal Year 2022-23 Update to the Three-Year Plan for Clean Transportation Equity Investments

February 17, 2022

Welcome and Introductions

Agenda

Time	Topic
10:00 a.m.	Welcome and Introductions
10:05 a.m.	Agenda and Work Group Overview
10:10 a.m.	Clean Transportation Equity Investments Background and Highlights
10:30 a.m.	Comments and Questions
10:45 a.m.	Long-Term Strategy Overview for Clean Transportation Equity Investments
11:40 a.m.	Upcoming Meetings
11:45 a.m.	Comments and Questions
11:55 a.m.	Closing Remarks
12:00 p.m.	Adjourn

Work Group Overview

- CARB to develop a long-term plan for clean transportation equity investments
- Long-term plan includes:
 - Vehicle purchase incentives and the zero-emission vehicle market (February 10, 2022, meeting held)
 - Clean mobility equity projects and outreach related activities
- This work group focus: **Clean Mobility Equity / Outreach**
 - Purpose: Informative and interactive discussion on projects and long-term plan objectives
- Governor's proposed Fiscal Year 2022-23 budget:
 - **\$419 million over 4 years**

Key Priorities for Clean Mobility Equity

- Support the **State's goals** to address climate change, air quality, ZEV deployment, and petroleum reduction
- Incorporate **equity** into every decision from the start
- Support **community-driven** clean transportation solutions and multi-sector approaches
- **Build on successes** of previous investments and incorporate lessons learned
- **Support economic recovery** and job training and apprenticeship opportunities
- **Expand mobility options beyond vehicle ownership**

Definitions for Work Group

- **Priority Populations:** Focus of California Climate Investments. Include the State's disadvantaged communities, low-income communities, and low-income households
- **Under Resourced:** Communities that lack clean mobility options and financial capital for upfront project costs. Used in the context of the Clean Mobility Options Voucher Pilot Program and the Sustainable Transportation Equity Project
- **Socioeconomic Benefits:** Project specific based on goals and intended outcomes. For clean mobility equity investments, the focus on priority populations' access to goods and services and workforce training and development opportunities, in addition to promoting improved community air quality

Clean Transportation Equity Investments Background and Highlights

History of Clean Mobility Investments

Fiscal Years 2014-15 & 2016-17

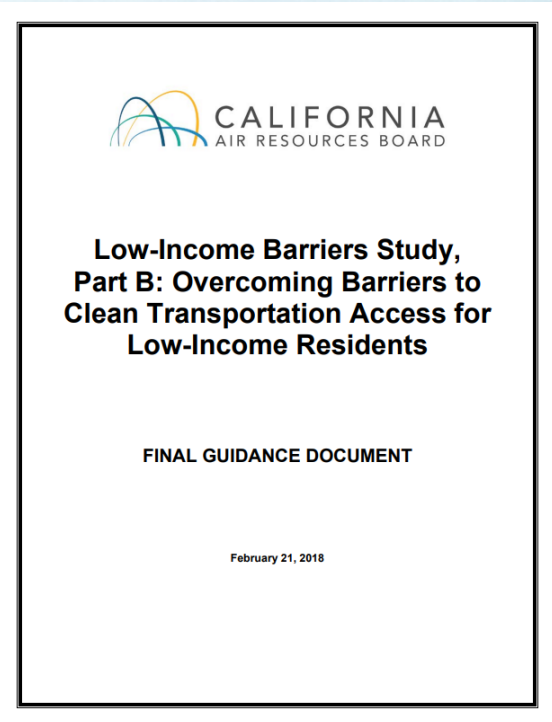
- CARB funded 8 regional projects through 3 competitive solicitations to provide zero-emission carsharing and vanpools:
 - Car Sharing and Mobility Options (2 solicitations)
 - Agricultural Worker Vanpools Pilot Project (1 solicitation)



History of Clean Mobility Investments

Fiscal Year 2017-18

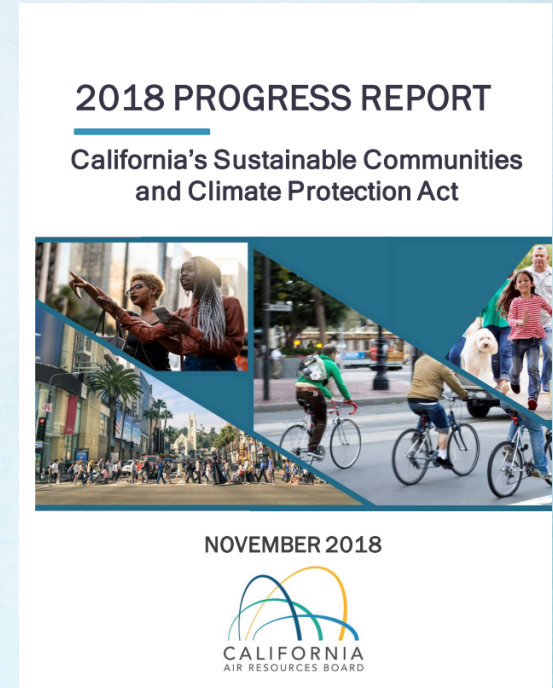
- SB 350 Low-Income Barriers Report provided foundational guidance for community investments
 - Led to new mobility project types to meet unique community needs
- New solicitations:
 - Clean Mobility Voucher Pilot Program
 - One Stop Shop Project (now Access Clean California)



History of Clean Mobility Investments

Fiscal Year 2018-19

- New solicitation:
 - Clean Mobility in Schools Pilot Project (to address the role of schools in promoting clean mobility and increasing awareness of options across sectors)
- SB 150 Progress Report
 - Reaffirmed the need to expand transportation choices that reduce vehicle miles traveled to meet climate and equity goals



History of Clean Mobility Investments

Fiscal Year 2019-20

- Increased focus on and funding for community transportation needs assessments and planning grants
- New solicitation:
 - Sustainable Transportation Equity Project (STEP)



History of Clean Mobility Investments

Fiscal Year 2021-22

- Specific workforce training and development investments
- Continued stakeholder and community support for and investments in pilot projects:
 - Clean Mobility Options
 - Clean Mobility in Schools
 - STEP
 - Access Clean California



Comments and Questions



Use the raised hand function (#2 if calling in by phone) or submit your question or comment in the Q&A box on Zoom.



Please state your name and affiliation before asking a question or making a comment.

Regional Clean Mobility Pilot Projects Overview



Our Community Car Share
Electric vehicle car share and mobility subsidies for Sacramento multi-unit housing/other communities



Car Sharing and Mobility Hubs in Affordable Housing
Electric vehicle car share and clean mobility options for Bay Area housing/other communities



Agricultural Worker Vanpools
Clean transportation vanpools for agricultural workers in the San Joaquin Valley and other regions



Valley Air ZEV Mobility Pilot
Electric vehicle car share in Merced, Bakersfield, and Fresno County



BlueLA Car Share
Electric vehicle car share and e-bikes in LA communities

Ecosystem of Shared Mobility
Electric vehicle car share in rural Tulare and Kern Counties



Lift Line Paratransit Dial-a-Ride Electric Vehicle Transition Program
ADA equipped EV shuttle bus replacement in Watsonville



Regional Clean Mobility Options Projects

Funding and Status

Project Name	Fiscal Year	Total Funds Awarded (Approx.)	Status
BlueLA Car Share	Fiscal Year 2014-15	\$4.6M	Active
OurCommunity Car Share	Fiscal Year 2014-15	\$5.8M	Active
Lift Line Paratransit	Fiscal Year 2016-17	\$516,000	Active
Car Sharing and Mobility Hubs	Fiscal Year 2016-17	\$3M	Active
Valley Air ZEV Mobility	Fiscal Year 2016-17	\$749,000	Inactive
Ecosystem of Shared Mobility	Fiscal Year 2016-17	\$3M	Active
Agricultural Worker Vanpools	Fiscal Year 2016-17	\$6M	Inactive

Regional Clean Mobility Options Projects Summary

Date	Milestone
Spring 2015	Released the Targeted Car Sharing and Mobility Options in Disadvantaged Communities Pilot Project solicitation
Spring 2017	Released the Car Sharing and Mobility Options Pilot Project solicitation
Early 2018	Released the Agricultural Worker Vanpool Pilot Project solicitation

Low Carbon Transportation Investments and AQIP Grant Solicitations | California Air Resources Board

Regional Clean Mobility Options Project Data

Project Name	Number of Communities or People Served (Approx.)	Number of Zero-Emission Vehicles and Other Mobility Options
BlueLA Car Share	7 communities	100
Our Community Car Share	10 communities	16
Lift Line Paratransit	800 community members	3
Car Sharing and Mobility Hubs	3 communities	5
Valley Air ZEV Mobility	3 communities	9
Ecosystem of Shared Mobility	8 communities	27
Agricultural Worker Vanpools	2,000 community members	154

Statewide Clean Mobility Options Voucher Pilot Program

Purpose: Address SB 350 Barriers
Report community input and the
need for streamlined, statewide
access to mobility funding

Goal: Improve under resourced
communities' access to clean
mobility options that are safe,
reliable, convenient, and affordable



Statewide Clean Mobility Options Voucher Pilot Program Summary

Date	Milestone
Fall 2018	Solicitation for statewide administrator (selected CALSTART)
June 2020	Community transportation needs assessment voucher application window #1 (awarded 24 vouchers)
October 2020	Mobility project voucher application window #1 (awarded 20 vouchers)
Spring/early Summer 2022	Mobility project voucher and community transportation needs assessments application window #2 (at least \$15M for mobility projects and at least \$1M for needs assessments)

Statewide Clean Mobility Options Voucher Pilot Program Data

Total Funds Allocated (in millions)	Number of Projects	GHG Emission Reductions	Investment in Priority Populations	Number of Zero-Emission Vehicles and Other Mobility Options
\$55*	- 20 mobility projects & - 24 needs assessments	~2,136 MTCO ₂ e	100%	~585

This includes past and expected FY 2021-22 CARB funds and \$8M in CEC funding contributed. This does **not include approximately \$20M in funding allocated to CARB's earlier regional clean mobility projects.*

Clean Mobility in Schools

Purpose: Address unique clean mobility needs of schools and maximize emissions benefits across sectors (e.g., school buses, infrastructure, lawn and garden equipment, curriculum)

Goals: Boldly transform school communities. Increase awareness of and accessibility to clean technology, promote mode shifting, and maximize emissions reductions



Project locations:

El Monte, San Diego, Stockton,
new project in Sacramento

Clean Mobility in Schools Summary

Date	Milestone
Fall 2019	Fiscal Year 2018-19 solicitation
January – May 2020	3 grants selected and awarded
Fall 2021 – Summer 2022	Additional funding awarded to Fiscal Year 2018-19 applications, including 1 new grant



Clean Mobility in Schools Data

Total Funds Allocated (in millions)	Number of Projects	GHG Emission Reductions	Investment in Priority Populations	Number of Zero-Emission Vehicles and Other Mobility Options
\$35	4	~29,087 MTCO ₂ e	100%	~128

Projects in Action | California Air Resources Board

Sustainable Transportation Equity Project (STEP)

Purpose: Address community-identified transportation needs via more flexibility, larger projects, and community involvement

Goal: Increase transportation equity in under resourced communities



Project locations: Sustainable Transportation Equity Project (STEP) | California Air Resources Board

STEP Summary

Date	Milestone
Spring 2020	Technical assistance RFP with Strategic Growth Council for application support and Implementation Grant support (selected Estolano Advisors)
Summer 2020	Fiscal Year 2019-20 solicitation
November 2020 – June 2021	11 grants selected and awarded
Summer 2021	Technical assistance contract for Planning Grant support (with UC Berkeley Othering and Belonging Institute)
Fall 2021 – Summer 2022	Additional funding awarded to Fiscal Year 2019-20 applications, including 2 new grants
Spring 2022	Technical assistance RFP for continued Implementation Grant support

STEP Data

Total Funds Allocated (in millions)	Number of Projects	GHG Emission Reductions	Investment in Priority Populations	Number of Zero-Emission Vehicles and Other Mobility Options
\$44.5	13 <ul style="list-style-type: none">- 8 Planning- 5 Implementation	~7,716 MTCO ₂ e	100%	~1,044

Sustainable Transportation Equity Project (STEP) | California Air Resources Board

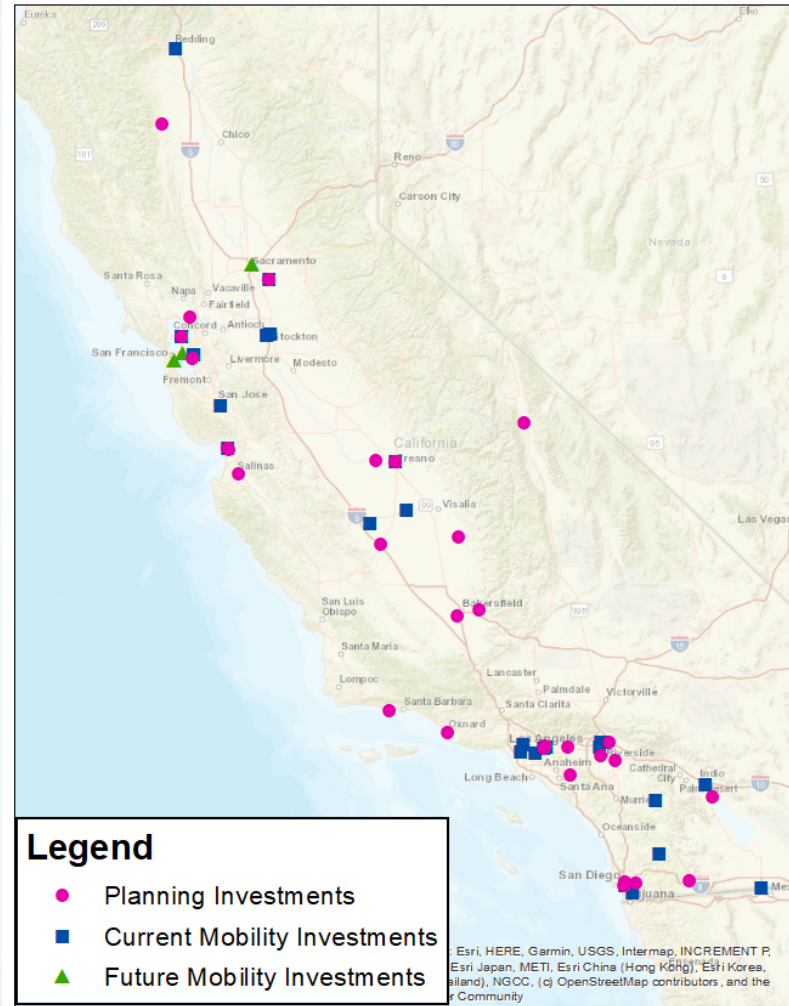
CARB Clean Mobility Project Locations

CARB Planning Investments include:

- Clean Mobility Options Voucher Pilot Program - Community Transportation Needs Assessment Vouchers
- STEP - Planning and Capacity Building Grants

CARB Mobility Investments include:

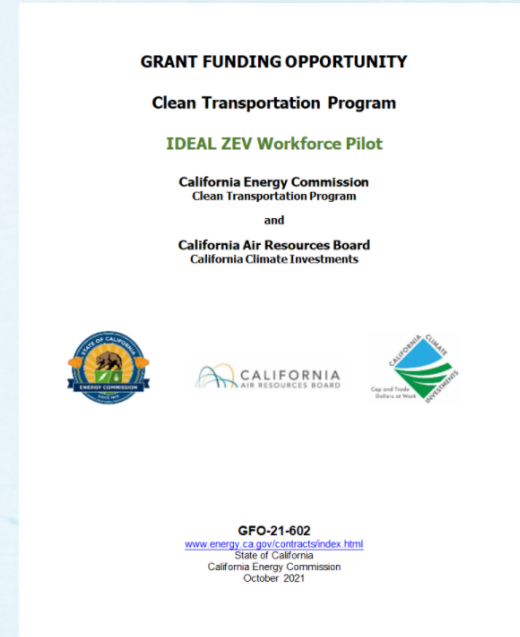
- Regional Clean Mobility Options Projects
- Clean Mobility Options Voucher Pilot Program - Mobility Project Vouchers
- Clean Mobility in Schools grants
- STEP - Implementation Grants



Workforce Training and Development

Purpose: Address community needs identified in the SB 350 Barriers Report for more workforce training and development to support a transition to zero-emission

Goal: Expand workforce training and development investments and opportunities



Project locations: IDEAL ZEV Workforce projects in priority communities statewide; additional CARB investments TBD

Workforce Training and Development Summary

Date	Milestone
June 2021	IDEAL ZEV Workforce Interagency Agreement with CEC executed
July 2021	First work group meeting to discuss proposed \$1.5 million in dedicated Fiscal Year 2021-22 funding
October 2021	IDEAL ZEV Workforce solicitation released <u>GFO-21-602 - IDEAL ZEV Workforce Pilot (ca.gov)</u>
November 2021	\$1.5 million in funding approved for the FY 2021-22 Funding Plan
Spring 2022	CEC to announce IDEAL ZEV Workforce Pilot Project awardees; begin project implementation
Spring 2022	Final proposal for \$1.5 million in funding to be discussed and vetted through a public process

Workforce Training and Development Data

Total Funds Allocated (in millions)	Number of Projects	Investment in Priority Populations	Status
\$2.5*	3 anticipated: <ul style="list-style-type: none"> • IDEAL ZEV Workforce Pilot Project with CEC • Adult and vocational school project • Expand ZEV dealership training 	100%	IDEAL ZEV Workforce Pilot Project implementation anticipated in Spring/Summer 2022 Additional investments anticipated in mid to late 2022

**Includes \$1.5 million allocated in the FY 2021-22 Funding Plan and \$1 million in FY 2019-20 state operations GGRF funds for IDEAL ZEV Workforce*

Community Transportation Needs Assessments

- Advance equitable community-based transportation planning

**8 STEP Planning and
Capacity Building Grants
(\$1.75M)**

**24 CMO Community Transportation
Needs Assessment Vouchers (\$1.15M) +
future vouchers (with at least \$1M)**

- Contract with UC Berkeley Othering & Belonging Institute
 - Community-based evaluation to CARB's approach to community transportation needs assessments
 - Recommendations for encouraging community transportation needs assessments and funding mobility projects that address community-identified transportation needs

Project locations: Needs Assessment Awardees – Clean Mobility Options and Sustainable Transportation Equity Project (STEP) | California Air Resources Board

Community Technical Assistance and Capacity Building

- Providing assistance to under resourced communities for submitting mobility project applications and implementing projects is essential to accessing funding
- Consider lessons from ongoing efforts:
 - STEP Planning and Capacity Building grants
 - STEP technical assistance contracts (Strategic Growth Council & Estolano Advisors, UC Berkeley Othering and Belonging Institute)
 - CMO technical assistance and network
 - Statewide administrator (CALSTART, SUMC, and LGC)
 - Clean Mobility Equity Alliance
 - Access Clean California and Partner Network
 - Building community-based organization capacity
- Thought partners to be included in future work group meetings

Access Clean California

Purpose: Address community needs identified in the SB 350 Barriers Report to streamline access to, and coordinate outreach for, consumer-facing equity projects

Goals: Increase participation in overburdened communities and grow network of outreach partners

Access Clean California



BLUE LAKE RANCHERIA
A Federally Recognized Tribe



Access Clean California and Outreach

Date	Milestone
Spring 2018	Released solicitation for One Stop Shop (Grid Alternatives selected)
Fall 2021	Access Clean California web portal available to the public
Summer 2022	New grant agreement with GRID Alternatives to continue implementing Access Clean California

[Home | Access Clean California](#)

Current Pilot Evaluations

- Quantitative and qualitative data to help direct CARB investments and make policy decisions
 - Ongoing public feedback
 - UC Berkeley research contracts
 - Internal and third-party assessments of pilots
 - Reporting of lessons and additional feedback from mobility project grantees
 - User experiences and feedback
- Examples include:
 - Clean Mobility Options program modifications based on public feedback
 - STEP Technical Assistance Interim Report
 - Access Clean California and Partner Network
 - Greenlining Institute Clean Mobility Equity Report

Some Key Lessons Learned

- There is an increasing **need** for mobility options beyond carshare
 - A driver's license is required for using some mobility services
- **Flexibility** is needed to address dynamic community needs
 - Mobility options must consider and accommodate specific needs (e.g., large families, disabled individuals, etc.)
- Mobility projects take a lot of **time, collaboration, and resources** to design, develop, and launch
 - Building partnerships takes time and community capacity
 - Infrastructure takes time to install
 - Communities often cannot cover upfront capital costs

Some Key Lessons Learned (cont.)

- Rural, agricultural, Tribal, and other under resourced communities have a **large need for technical assistance**, capacity building, and additional mobility investment
- Making services **financially sustainable** especially without access to long-term secured funding is extremely challenging
- Initial CARB investments are **leading** to schools, communities, and local governments in investing in zero-emission technologies beyond grant funding
- There is an ongoing need to **build awareness** of mobility programs especially in communities that are underrepresented

Lessons for 4-Year Planning

- All key lessons learned will be considered as staff develop a 4-year plan
 - This includes mobility strategies and outreach
- Particular attention will be on lessons that help:
 - Understand, measure, and maximize socioeconomic benefits and demographic impacts
 - Support an evolution from smaller scale pilot projects to more comprehensive and streamlined community-based programs

Public Information on Clean Mobility Investments

Projects:

[Projects in Action | California Air Resources Board](#)

User Information:

[Clean Mobility User Information | California Air Resources Board](#)

Comments and Questions



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Long-Term Strategy Overview for Clean Transportation Investments

4-Year Plan Requirements and Purpose

- SB 1275: Long-term plan for Clean Vehicle Rebate Program and related programs
 - Began with Fiscal Year 2016-17 Funding Plan
 - Update the plan at least every 3 years through January 1, 2023

Pilot Project Phase:
Showed that
communities want
these services



**Community-Based
Program Phase:**
Accelerate investments,
expand services, and
ensure equity

Governor's Proposed Budget

Fiscal Year 2022-23 to Fiscal Year 2025-26

Fiscal Year (FY)	Funding Projected (in millions)
FY 2022-23	\$65
FY 2023-24	\$130
FY 2024-25	\$134
FY 2025-26	\$90
4-Year Total	\$419

Considerations for 4-Year Plan

- **Lessons learned** through pilots and evaluations
- Dedicated **outreach and engagement** to ensure policy changes represent diversity of needs statewide
- **Coordinated approach** to investments to maximize access and other benefits to communities
- SB 350 implementation, including identifying and addressing **community-identified transportation needs**
- COVID-19 impacts
- **Financial sustainability** of mobility services

Transportation Equity

*“When a community’s transportation system provides **accessible, affordable, environmentally sustainable, reliable,** and safe transportation options to **all residents**, in particular those that have been disproportionately impacted by pollution or lack access to services. Transportation equity is intrinsically linked to **access to economic opportunities** and occurs when community residents have the **power to make decisions** about their transportation systems.”*

- Definition developed through STEP solicitation public process

Preliminary Objectives for CARB's Clean Mobility Investments

Priority Population Investment Objectives

Increase access to
key destinations

Reduce VMT and
GHG emissions

Identify / address
communities'
transportation
needs

Incorporate
community-driven
decision making

CARB Project Administration Objectives

Streamline access
to funds

Document and
share lessons
learned

Assess outcomes
and adjust policies
to maximize
benefits

Preliminary Objectives for CARB's Clean Clean Mobility Investments: *What Are Your Ideas?*

- What are your goals for CARB's clean mobility investments?
- How can CARB facilitate investments that directly address impacts of COVID-19 on transportation access to key destinations, economic opportunities, etc.?



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Outreach and Engagement Process

- Public work group meetings for long-term plan and others
- One-on-one meetings/phone calls
- Update CARB website to collect ongoing stakeholder feedback
- Identify communities not being reached or participating in our programs and directly engage
- Leverage existing networks and form new partnerships
 - Othering and Belonging Institute (UC Berkeley)
 - Charge Ahead California Network
 - Clean Mobility Advocate Network
 - Access Clean California Partner Network
- Understand specific community needs not being met and where CARB programs can support
- ***Others we should consider?***

Outreach and Engagement Process:

What Are Your Ideas?

- What is missing from this outreach process?
- What outreach should CARB prioritize?
- How can CARB maximize outreach, especially with rural, Tribal, communities of color, and other underserved communities?



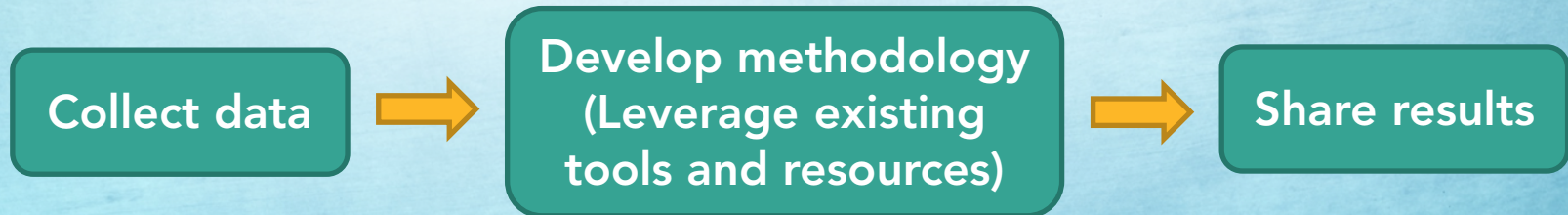
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Metrics to Evaluate Program Outcomes and Community Benefits

- GHG emissions reductions (SB 535, AB 1550)
 - Complimentary policies (e.g., VMT reductions)
- Socioeconomic benefits (equity goals)
 - Increase access to clean transportation options and key destinations
 - Provide access to goods and services
- Demographic makeup of project participants, communities, and organization leadership is a priority



Consider Greenlining Standards for Equitable Community Investment in Program Development

- Be equity and community-driven at every stage
- Emphasize race-conscious solutions
- Prioritize multi-sector approaches
- Deliver intentional benefits
- Build community capacity
- Establish paths toward wealth-building



Leverage other 3rd party reviews and evaluations of CARB's clean mobility equity investments

Develop Metrics to Evaluate Program Outcomes and Community Benefits:

What Are Your Ideas?

- What metrics should CARB focus on, including measuring socioeconomic benefits and behavioral changes?
- How do you meaningfully measure progress and assess outcomes of clean mobility projects in your community?



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Upcoming Meetings

Date	Milestone
March 15	First FY 2022-23 Funding Plan Workshop
Late March	Second light-duty vehicle work group meeting for the Long-Term Plan
Mid-April	Second clean mobility work group meeting for the Long-Term Plan
Mid-May	Governor releases revised FY 2022-23 Budget proposal
Late May	Third light-duty vehicle work group meeting for the Long-Term Plan
By Late May	Third clean mobility work group meeting for the Long-Term Plan
March-July	Various public meetings for the FY 2022-23 Funding Plan
Summer 2022	Final FY 2022-23 Funding Plan Workshop
Fall 2022	Release proposed 2022-23 Funding Plan with long-term plan for consideration at late-2022 Board meeting

Comments and Questions



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Closing Remarks

CARB Contact Information

- **CARB Long-Term Plan Update and Mobility Strategy Contacts:**
 - Ashley Georgiou, Ashley.Georgiou@arb.ca.gov
 - Bree Swenson, Breanna.Swenson@arb.ca.gov
- Direct outreach and engagement is welcome – we want to hear from you!
- [Subscribe to CARB's GovDelivery listserv](#) to stay informed

Adjourn

Thank you for participating!