



SOUTHERN CALIFORNIA
ASSOCIATION OF GOVERNMENTS
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MEETING OF THE

ENERGY AND ENVIRONMENT COMMITTEE

***Members of the Public are Welcome to Attend
In-Person & Remotely***

***Thursday, November 6, 2025
9:30 a.m. – 11:15 a.m.***

To Attend In-Person:

**SCAG Main Office – Policy A Meeting Room
900 Wilshire Blvd., Ste. 1700
Los Angeles, CA 90017**

To Watch or View Only:

<https://scag.ca.gov/scag-tv-livestream>

To Attend and Participate on Your Computer:

<https://scag.zoom.us/j/81703196837>

To Attend and Participate by Phone:

**Call-in Number: 1-669-900-6833
Meeting ID: 817 0319 6837**

PUBLIC ADVISORY

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Maggie Aguilar at (213) 630-1420 or via email at aguilarm@scag.ca.gov. Agendas & Minutes are also available at: www.scag.ca.gov/committees.

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation to participate in this meeting. SCAG is also committed to helping people with limited proficiency in the English language access the agency's essential public information and services. You can request such assistance by calling (213) 236-1895. We request at least 72 hours (three days) notice to provide reasonable accommodations and will make every effort to arrange for assistance as soon as possible.



Instructions for Attending the Meeting

To Attend In-Person and Provide Verbal Comments: Go to the SCAG Main Office located at 900 Wilshire Blvd., Ste. 1700, Los Angeles, CA 90017 or any of the remote locations noticed in the agenda. The meeting will take place in the Policy A Meeting Room on the 17th floor starting at 9:30 a.m.

To Attend by Computer: Click the following link: <https://scag.zoom.us/j/81703196837>. If Zoom is not already installed on your computer, click “Download & Run Zoom” on the launch page and press “Run” when prompted by your browser. If Zoom has previously been installed on your computer, please allow a few moments for the application to launch automatically. Select “Join Audio via Computer.” The virtual conference room will open. If you receive a message reading, “Please wait for the host to start this meeting,” simply remain in the room until the meeting begins.

To Attend by Phone: Call (669) 900-6833 to access the conference room. Given high call volumes recently experienced by Zoom, please continue dialing until you connect successfully. Enter the **Meeting ID:** 817 0319 6837, followed by #. Indicate that you are a participant by pressing # to continue. You will hear audio of the meeting in progress. Remain on the line if the meeting has not yet started.

Instructions for Participating and Public Comments

Members of the public can participate in the meeting via written or verbal comments.

In Writing: Written comments can be emailed to: ePublicComment@scag.ca.gov. Written comments received **by 5pm on Wednesday, November 5, 2025** will be transmitted to members of the legislative body and posted on SCAG’s website prior to the meeting. You are **not** required to submit public comments in writing or in advance of the meeting; this option is offered as a convenience should you desire not to provide comments in real time as described below. Written comments received after 5pm on Wednesday, November 5, 2025, will be announced and included as part of the official record of the meeting. Any writings or documents provided to a majority of this committee regarding any item on this agenda (other than writings legally exempt from public disclosure) are available at the Office of the Clerk, at 900 Wilshire Blvd., Suite 1700, Los Angeles, CA 90017 or by phone at (213) 630-1420, or email to aguilarm@scag.ca.gov.

Remotely: If participating in real time via Zoom or phone, please wait for the presiding officer to call the item for which you wish to speak and use the “raise hand” function on your computer or *9 by phone and wait for SCAG staff to announce your name/phone number.

In-Person: If participating in-person, you are invited but not required, to fill out and present a Public Comment Card to the Clerk of the Board or other SCAG staff prior to speaking. It is helpful to indicate whether you wish to speak during the Public Comment Period (Matters Not on the Agenda) and/or on an item listed on the agenda.

General Information for Public Comments

Verbal comments can be presented in real time during the meeting. Members of the public are allowed a total of 3 minutes for verbal comments. The presiding officer retains discretion to adjust time limits as necessary to ensure efficient and orderly conduct of the meeting, including equally reducing the time of all comments.

For purpose of providing public comment for items listed on the Consent Calendar, please indicate that you wish to speak when the Consent Calendar is called. Items listed on the Consent Calendar will be acted on with one motion and there will be no separate discussion of these items unless a member of the legislative body so requests, in which event, the item will be considered separately.

In accordance with SCAG’s Regional Council Policy, Article VI, Section H and California Government Code Section 54957.9, if a SCAG meeting is “willfully interrupted” and the “orderly conduct of the meeting” becomes unfeasible, the presiding officer or the Chair of the legislative body may order the removal of the individuals who are disrupting the meeting.



ENERGY AND ENVIRONMENT COMMITTEE AGENDA

TELECONFERENCE AVAILABLE AT THESE ADDITIONAL LOCATIONS*

<p>Ana Beltran America's Best Value Inn Lobby 351 W. Main Street Westmorland, CA 92281</p>	<p>Art Bishop Town of Apple Valley - Town Hall 14955 Dale Evans Pkwy Conference Room A Apple Valley, CA 92307</p>	<p>Margaret Clark 3109 Prospect Avenue Rosemead, CA 91770</p>
<p>Robert D. Copeland Signal Hill Public Study Room #1 1800 E. Hill Street Signal Hill, CA 90755</p>	<p>Ned E. Davis City of Westlake Village - City Hall 31200 Oak Crest Drive Westlake Village, CA 91361</p>	<p>Carmen Hernandez City of Barstow - City Hall 220 E. Mountain View Barstow, CA 92311</p>
<p>Shari L. Horne City of Laguna Woods - City Hall 24264 El Toro Road Laguna Woods, CA 92637</p>	<p>Brian Johsz 5615 Gableview Court Chino Hills, CA 91709</p>	<p>Steven Leash Cahuilla Band of Indians 52701 Hwy 371 Anza, CA 92539</p>
<p>Elaine Litster Cahuilla Band of Indians 52701 Hwy 371 Anza, CA 92539</p>	<p>Cory Moss City of Industry - City Hall 15625 Mayor Dave Way City of Industry, CA 91744</p>	<p>Jeannette Sanchez-Palacios Ventura City Hall Anacapa Conference Room 501 Poli street Ventura CA 93001</p>
<p>Jennifer Stark City of Claremont - City Hall 207 Harvard Avenue Upstairs Citrus Room Claremont, CA 91711</p>	<p>Ali Taj 11856 E. 187th Street Artesia CA 90701</p>	<p>Tamala Takahashi City of Burbank - City Hall 275 East Olive Avenue 2nd Floor, Council Office Burbank, CA 91502</p>
<p>Connor Traut 7661 Silver Street Buena Park, CA 90620</p>	<p>Stephanie Virgen City of Coachella - City Hall 1515 Sixth Street Coachella, CA 92236</p>	<p>Dale Welty City of Canyon Lake - City Hall 31526 Railroad Canyon Road Canyon Lake, CA 92584</p>

* Under the teleconferencing rules of the Brown Act, members of the body may remotely participate at any location specified above.



ENERGY AND ENVIRONMENT COMMITTEE AGENDA

EEC - Energy and Environment Committee *Members – November 2025*

1. **Hon. Rick Denison**
EEC Chair, Yucca Valley, RC District 11
2. **Hon. Daniel Ramos**
EEC Vice Chair, Adelanto, RC District 65
3. **Hon. Ana Beltran**
Westmorland, ICTC
4. **Hon. Arthur Bishop**
Apple Valley, SBCTA
5. **Hon. Daniel Brotman**
Glendale, AVCJPA
6. **Hon. Margaret Clark**
Rosemead, RC District 32
7. **Hon. Robert Copeland**
Signal Hill, GCCOG
8. **Hon. Jenny Crosswhite**
Santa Paula, RC District 47
9. **Hon. Ned Davis**
Westlake Village, LVMCOG
10. **Hon. Carmen Hernandez**
Barstow, SBCTA
11. **Hon. Shari Horne**
Laguna Woods, OCCOG
12. **Hon. Britt Huff**
Rolling Hills Estates, SBCCOG
13. **Hon. Brian Johsz**
Chino Hills, SBCTA
14. **Hon. Joe Kalmick**
Seal Beach, RC District 20
15. **Hon. Steven Leash**
Cahuilla Band of Indians
16. **Hon. Elaine Litster**
Simi Valley, VCOG



ENERGY AND ENVIRONMENT COMMITTEE AGENDA

- 17. Hon. Patricia Lock Dawson**
Riverside, RC District 68
- 18. Sup. Vianey Lopez**
Ventura County
- 19. Hon. Yasmine-Imani McMorrin**
Culver City, WCCOG
- 20. Hon. Cory Moss**
Industry, Pres. Appt. (Member at Large)
- 21. Hon. Jeannette Sanchez-Palacios**
Ventura, VCOG
- 22. Hon. Suely Saro**
Long Beach, RC District 29
- 23. Hon. Patty Senecal**
Seal Beach, OCCOG
- 24. Hon. Jennifer Stark**
Claremont, SGVCOG
- 25. Hon. Ali Taj**
Artesia, GCCOG
- 26. Hon. Tamala Takahashi**
Burbank, SFVCOG
- 27. Hon. Connor Traut**
Buena Park, OCCOG
- 28. Hon. Stephanie Virgen**
Coachella, CVAG
- 29. Hon. Dale Welty**
Canyon Lake, WRCOG



ENERGY AND ENVIRONMENT COMMITTEE AGENDA

Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700 - Policy A Meeting Room
Los Angeles, CA 90017
Thursday, November 6, 2025
9:30 AM

The Energy and Environment Committee may consider and act upon any of the items on the agenda regardless of whether they are listed as Information or Action items.

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

(The Honorable Rick Denison, Chair)

PUBLIC COMMENT PERIOD (Matters Not on the Agenda)

This is the time for public comments on any matter of interest within SCAG's jurisdiction that is **not** listed on the agenda. For items listed on the agenda, public comments will be received when that item is considered. Although the committee may briefly respond to statements or questions, under state law, matters presented under this item cannot be discussed or acted upon at this time.

REVIEW AND PRIORITIZE AGENDA ITEMS

CONSENT CALENDAR

Approval Items

1. Minutes of the Meeting – September 4, 2025 PPG 7

Receive and File

2. Energy and Environment Committee Outlook and Future Agenda Items PPG 14
3. REAP 2.0 Program Update PPG 17

INFORMATION ITEMS

4. Connect SoCal 2024: Implementation Strategies Update 10 Mins. PPG 35
(Leslie Cayton, Associate Regional Planner, SCAG)
5. Planning for Extreme Heat 45 Mins. PPG 59
(Ryan Wolfe, Manager of Sustainable and Resilient Development, SCAG, SCAG)

CHAIR'S REPORT

(The Honorable Rick Denison, Chair)

STAFF REPORT

(Ivette Macias, Government Affairs Officer, SCAG)

ANNOUNCEMENTS

ADJOURNMENT



**MINUTES OF THE MEETING
ENERGY AND ENVIRONMENT COMMITTEE
THURSDAY, SEPTEMBER 4, 2025**

THE FOLLOWING MINUTES ARE A SUMMARY OF ACTIONS TAKEN BY THE ENERGY AND ENVIRONMENT COMMITTEE (EEC). A DIGITAL RECORDING OF THE ACTUAL MEETING IS AVAILABLE AT: <http://scag.iqm2.com/Citizens/>.

The Energy and Environment Committee (EEC) of the Southern California Association of Governments (SCAG) held its regular meeting both in person and virtually (telephonically and electronically). A quorum was present.

Members Present

Hon. Rick Denison (Chair)	<i>Yucca Valley</i>	District 11
Hon. Daniel Ramos (Vice Chair)	<i>Adelanto</i>	District 65
Hon. Daniel Brotman	<i>Glendale</i>	District 42
Hon. Martha Cardenas-Singh		Imperial County
Hon. Ned Davis	<i>Westlake Village</i>	LVMCOG
Hon. Margaret Clark	<i>Rosemead</i>	SGVCOG
Hon. Jenny Crosswhite	<i>Santa Paula</i>	District 47
Hon. Carmen Hernandez	<i>Barstow</i>	SBCTA
Hon. Shari Horne	<i>Laguna Woods</i>	OCCOG
Hon. Britt Huff	<i>Rolling Hills Estates</i>	SBCCOG
Hon. Joe Kalmick	<i>Seal Beach</i>	District 20
Hon. Elaine Litster	<i>Simi Valley</i>	VCOG
Hon. Vianey Lopez		Ventura County
Hon. Yasmine-Imani McMorrin	<i>Culver City</i>	WCCOG
Hon. Jennifer Stark	<i>Claremont</i>	SGVCOG
Hon. Tamala Takahashi	<i>Burbank</i>	SFVCOG
Hon. Connor Traut	<i>Buena Park</i>	OCCOG
Hon. Stephanie Virgen	<i>Coachella</i>	CVAG
Hon. Dale Welty	<i>Canyon Lake</i>	WRCOG

Members Not Present

Hon. Ana Beltran	<i>Westmoreland</i>	ICTC
Hon. Art Bishop	<i>Town of Apple Valley</i>	SBCTA



Hon. Robert Copeland	<i>Signal Hill</i>	GCCOG
Hon. Brian Johsz	<i>Chino Hills</i>	SBCTA
Hon. Steven Leash	<i>Cahuilla Band of Indians</i>	
Hon. Patricia Lock Dawson	<i>Riverside</i>	District 68
Hon. Cory Moss	<i>City of Industry</i>	Pres. Appt
Hon. Jeannette Sanchez-Palacios	<i>Ventura</i>	VCOG
Hon. Suely Saro	<i>Long Beach</i>	District 29
Hon. Patty Senecal	<i>Seal Beach</i>	OCCOG
Hon. Ali Taj	<i>Artesia</i>	Pres. Appt

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chair Denison called the meeting to order at 9:30 a.m. and 2nd Vice President Jenny Crosswhite, Santa Paula, District 47, led the Pledge of Allegiance. Staff confirmed a quorum was present.

PUBLIC COMMENT PERIOD

Chair Denison opened the public comment period and noted that this was the time for members of the public to offer comment on matters that are within SCAG’s jurisdiction but are not listed on the agenda.

Chair Denison asked if any comments were received after the deadline. SCAG staff acknowledged there were no public comments received after the 5:00 p.m. deadline on September 3, 2025.

Seeing no public comment, Chair Denison closed the public comment period for matters not listed on the agenda.

REVIEW AND PRIORITIZE AGENDA ITEMS

There were no requests to prioritize agenda items.

CONSENT CALENDAR

Approval Items

1. Minutes of the Meeting – June 5, 2025

Receive and File

2. Status Update on Transportation Conformity Challenges in SCAG Region
-

A MOTION was made (Kalmick) to approve the Consent Calendar. Motion was SECONDED (Clark) and passed by the following votes:

AYES: Cardenas-Singh, Clark, Crosswhite, Davis, Denison, Hernandez, Horne, Kalmick, McMorrin, Ramos, Traut, Virgen and Welty (13)

NOES: None (0)

ABSTAIN: None (0)

ACTION ITEM

3. Connect SoCal 2050: Subregional Sustainable Communities Strategy Framework and Guidelines

There were no public comments on item 3.

Camille Guiriba, Senior Regional Planner, provided an overview of Senate Bill 375 provisions for subregions. She stated that SCS must: (1) forecast for future population, employment, and housing; (2) include GHG reduction strategies; (3) be developed in consultation with key stakeholders and the public; and (4) report performance measures. She discussed the workflow of subregional delegation and next steps. Lastly, she provided a draft overview of Connect SoCal Preliminary Milestones.

A MOTION was made (Kalmick) that the Regional Council adopt the Subregional Sustainable Communities Strategy Framework and Guidelines for use in the development of the 2028-2050 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). Motion was SECONDED (Clark) and passed by the following votes:

AYES: Cardenas-Singh, Clark, Crosswhite, Davis, Denison, Hernandez, Horne, Kalmick, Lopez, McMorrin, Ramos, Takahashi, Traut, Virgen and Welty (15)

NOES: None (0)

ABSTAIN: None (0)

INFORMATION ITEMS

4. Energy and Environment Committee Outlook and Future Agenda Items

There were no public comments on item 4.

Ryan Wolfe, Manager of Sustainable and Resilient Development, provided a brief overview of SCAG's policy committees and discussed the EEC's anticipated major actions and information items for FY2026.

The comprehensive staff report was included in the agenda packet and posted on the SCAG website. The meeting video is also available on the SCAG website.

5. Innovative Clean Transit Regional Assessment Study Introduction

There were no public comments on item 5.

Priscilla Freduah-Agyemang, Senior Regional Planner, provided an overview of the Innovative Clean Transit (ICT) Regulation and stated it had two primary requirements: (1) Transit agencies to publish a ZEB rollout plan; and (2) ZEB purchase requirements for transit agencies of different sizes by year. She indicated that Connect SoCal 2024 included plans to support investment in transit assets and the mobility goal of building and maintaining an integrated multimodal transportation network. She stated that SCAG had completed a Clean Energy Compendium in September 2023, which had looked at zero and near zero emission transportation technologies. She discussed the innovative clean transit regional assessment to support the region in its efforts to transition to ZEBs by 2040, the efforts of the region's transit operators to develop and implement Zero-Emission Bus Rollout Plans, the readiness of the region to transition to zero-emission transit fleets, and the ongoing efforts aimed at transitioning to clean transit solutions throughout the region. Lastly, she reviewed project timelines and next steps.

The comprehensive staff report was included in the agenda packet and posted on the SCAG website. The meeting video is also available on the SCAG website.

6. Natural & Agricultural Lands Benefits Study

There were no public comments on item 6.

India Brookover, Senior Planner, stated that the study would focus on the ecosystem services of natural and agricultural lands, reduced climate emissions, and resilience and adaptation benefits such as water filtration, air quality, hazard risk reduction. She stated the study would also look at economic benefits from local food production, jobs, and tourism. She indicated that the study was designed to fill an information gap on the potential range of natural and agricultural land's ecosystem services and hazard resilience benefits that could be used to inform local policy and planning. She discussed the Stakeholder process for Fall 2025 through Spring 2027 and project timeline.

The comprehensive staff report was included in the agenda packet and posted on the SCAG website. The meeting video is also available on the SCAG website.

7. Ecosystem Services Overview

There were no public comments on item 7.

Ryan Wolfe, Sustainable & Resilient Development Department, introduced the panel speakers: Bea Covington, Principal Economist, Greene Economics and Margot Flynn, Hub Coordinator, Sacramento Valley Soil Hub.

Bea Covington, Principal Economist, Greene Economics, provided an overview of ecosystem services and how ecosystem services contribute to resilience. She discussed ecosystem services categories and types of ecosystem services. She stated there were three different types of ecosystem projects in the SCAG region: groundwater recharge, urban health, and cultural services. She provided examples of each project and discussed purpose and project highlights for each one.

Margot Flynn, Hub Coordinator, Sacramento Valley Soil Hub, provided a background of Resource Conservation Districts and the locations in California. She discussed common practices for carbon farming and stated that farmers could receive direct and indirect benefits such as lowered costs, improved yields, access to funding opportunities and long-term viability of farming. She indicated that investing in soil had benefits such as public health, climate change mitigation and water conservation. Lastly, she discussed opportunities for scaling carbon farming.

The comprehensive staff report was included in the agenda packet and posted on the SCAG website. The meeting video is also available on the SCAG website.

CHAIR'S REPORT

Chair Denison welcomed new member Daniel Brotman, Glendale from Arroyo Verdugo Communities Joint Power Authority to the committee. He stated that registration for the 2025 SCAG Demographic Workshop was open and would be held at SCAG's main office in Downtown Los Angeles, with an online attendance option.

STAFF REPORT

Ivette Macias, Senior Government Affairs Officer, announced that she was SCAG's Inland Empire Government Affairs Officer and would be the support government affairs staff member to the Energy & Environment Committee.



ANNOUNCEMENT

There were no announcements.

ADJOURNMENT

There being no further business, Chair Denison adjourned the Energy and Environment Committee meeting at 11:06 a.m.

[MINUTES ARE UNOFFICIAL UNTIL APPROVED BY THE EEC]

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ENERGY AND ENVIRONMENT COMMITTEE ATTENDANCE REPORT

2025-2026

MEMBERS	Representing	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	April	May	Jun	Total Mtgs Attended To Date	
Beltran, Ana	Westmoreland, ICTC	1	D A R K		0										1	
Bishop, Art	Apple Valley, SBCTA	1		0												1
Brotman, Daniel	Glendale, RC District 42					1										1
Cardenas-Singh, Martha	Imperial County					1										1
Clark, Margaret	Rosemead, RC District 32	1				1										2
Copeland, Robert	Signal Hill, GCCOG	0				0										0
Crosswhite, Jenny	Santa Paula, RC District 47	1				1										2
Davis, Ned	Westlake Village, LVMCOG	1				1										2
Denison, Rick	Yucca Valley, RC District 11	1				1										2
Hernandez, Carmen	Barstow, SBCTA	1				1										2
Horne, Shari	Laguna Woods, OCCOG	1				1										2
Huff, Britt	Rolling Hills Estates, SCBCOG	1				0										1
Johsz, Brian	Chino Hills, SBCTA	1				0										1
Kalmick, Joe	Seal Beach, RC District 20	1				1										2
Leash, Steven	Cahuilla Band of Indians	0				0										0
Litster, Elaine	Simi Valley, VCOG	1				1										2
Lock Dawson, Patricia	Riverside, District 68	0				0										0
Lopez, Vianey	Ventura County	1				1										2
McMorrin, Yasmine-Imani	Culver City, WCCOG	1				1										2
Moss, Cory	City of Industry, Pres. Apt	0				0										0
Ramos, Daniel	Adelanto, SBCTA	1			1										2	
Sanchez-Palacios, Jeanette	Ventura, VCOG	0			0										0	
Saro, Suely	Long Beach, RC District 29	0			0										0	
Senecal, Patty	Seal Beach, OCCOG	1			0										1	
Stark, Jennifer	Claremont, SGVCOG	1			1										2	
Taj, Ali	Artesia, Pres. Apt	1			0										1	
Takahashi, Tamala	Burbank, SFVCOG	1			1										2	
Traut, Connor	Buena Park, OCCOG	1			1										2	
Virgen, Stephanie	Coachella, CVAG	0			1										1	
Welty, Dale	Canyon Lake, WRCOG	1			1										2	



AGENDA ITEM 2
REPORT

Southern California Association of Governments
November 6, 2025

To: Energy and Environment Committee (EEC)
From: Ryan Wolfe, Manager for Sustainable and Resilient Development
213-630-1527, wolfe@scag.ca.gov

**EXECUTIVE DIRECTOR'S
APPROVAL**

Subject: Energy and Environment Committee Outlook and Future Agenda Items

Kome Ajise

RECOMMENDED ACTION:

Receive and File

STRATEGIC PRIORITIES:

This item supports the following Strategic Priority 1: Establish and implement a regional vision for a sustainable future. 2: Be a cohesive and influential voice for the region. 3: Spur innovation and action through leadership in research, analysis and information sharing. 5: Secure and optimize diverse funding sources to support regional priorities.

EXECUTIVE SUMMARY:

In April 2024, SCAG's Regional Council adopted the 2024-2050 Regional Transportation Plan/Sustainable Communities Strategy, Connect SoCal 2024. Following adoption of Connect SoCal 2024, staff developed a 12-month EEC Outlook to carry forward the policy priorities and Implementation Strategies of Connect SoCal 2024. For FY2026, the EEC Outlook reflects outcomes of the 2025 Executive Administration Committee (EAC) Retreat and discussions with the EEC Chair and Vice Chair. The Committee Outlook and Future Agenda Items will be updated monthly as a receive and file item and can be pulled by the Chair for discussion at the request of members for input and modifications.

BACKGROUND:

The work of the Southern California Association of Governments (SCAG) and the leadership from the agency's Policy Committees and Regional Council is driven by SCAG's legally mandated duties as a Metropolitan Planning Organization (MPO) for Southern California, the long-range Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), Connect SoCal 2024 as well as, the agency Strategic Plan approved by the Executive Administrative Committee on May 1, 2024¹.

¹ SCAG 2024 Strategic Plan: <https://scag.iqm2.com/Citizens/FileOpen.aspx?Type=1&ID=2497&Inline=True>

Energy and Environment (EEC) Committee Outlook and Framework

The Policy Committees help to further the implementation of Connect SoCal by advising on policy, research or resource programs. The Policy Committees will also be informed and advise on broader regional leadership items as needed.

In addition, as appropriate within the scope of each Policy Committee, the 2026 Presidential Priorities are incorporated in the Outlook.

- Clean Transportation Technology
- Housing Production
- Regional planning in support of the 2028 Olympic & Paralympic Games

The topics and panels covered may change based on speaker availability, progress on the targeted programs, and other requests from the Committee Chair and Vice Chair as well as members. To request future agenda items, Policy Committee members may request that the agenda item be pulled for discussion, or they may send a request directly to the Chair or committee staff for consideration and reporting out at the next meeting. Agenda items that are recommended by Policy Committee members will be discussed with the Chair and Vice Chair to assess relevance to the EEC Policy Committee and the considerations noted above.

FISCAL IMPACT:

None

ATTACHMENT(S):

1. November 2025 EEC Agenda Outlook

EEC Committee Agenda Outlook for FY2026

Anticipated major actions and information items. Does not include all Receive/File and Program Updates

Date	Agenda Items
Sept	<ul style="list-style-type: none"> Natural and Agricultural Lands Study Overview Ecosystem Services Connect SoCal: Subregional SCS Strategy Framework Innovative Clean Transit Study*
Oct	No Meetings
Nov	<ul style="list-style-type: none"> Panel: Planning for Extreme Heat Green Stormwater Infrastructure Moved to 2026 Connect SoCal Implementation Strategies
Dec	Joint Policy Committee Meeting: Economic Update
Jan	No Meetings
Feb	<ul style="list-style-type: none"> Vehicle-to-Grid Technologies* Nature-Based Strategies: Flooding and Wildfires

*Presidential Priorities

•Clean Transportation Technology

EEC Committee Agenda Outlook for FY2026

Anticipated major actions and information items. Does not include all Receive/File and Program Updates

Date	Agenda Items
Mar	Joint Policy Committee Meeting: Connect SoCal Policy Framework
Apr	<ul style="list-style-type: none"> Resilient Utility Infrastructure Integrating Resilience into Capital Improvement Plans
May	General Assembly
Jun	<ul style="list-style-type: none"> Climate finance tools Artificial Intelligence/Data Centers: The Water Energy Nexus

*Presidential Priorities

•Clean Transportation Technology

Attachment: November 2025 EEC Agenda Outlook (Energy and Environment Committee Outlook and Future Agenda Items)



AGENDA ITEM 3

REPORT

Southern California Association of Governments
November 6, 2025

To: Executive/Administration Committee (EAC)
Community Economic & Human Development Committee (CEHD)
Energy & Environment Committee (EEC)
Transportation Committee (TC)
Regional Council (RC)
From: Elizabeth Carvajal, Deputy Director
(213) 236-1801, carvajal@scag.ca.gov
Subject: REAP 2.0 Program Update

**EXECUTIVE DIRECTOR'S
APPROVAL**

RECOMMENDED ACTION FOR EAC AND RC:

Information Only – No Action Required

RECOMMENDED ACTION FOR CEHD, EEC, AND TC:

Receive and File

STRATEGIC PRIORITIES:

This item supports the following Strategic Priority 1: Establish and implement a regional vision for a sustainable future. 5: Secure and optimize diverse funding sources to support regional priorities.

EXECUTIVE SUMMARY:

SCAG's REAP 2.0 program invests in innovative finance, land use, and transportation strategies to realize the vision of Connect SoCal. SCAG has been working with grantees to make steady progress in delivering the \$231.5M REAP 2.0 program, including refining the final project list with grantees. The development of the final project list resulted in some grantees reducing budget and scope which made additional funding available for reprogramming. SCAG has developed a reprogramming approach shifting funds within the RC approved program and secured approval from the California Housing and Community Development Department (HCD). This report summarizes the program status and path forward to ensure that SCAG successfully deploys resources across the region in line with the goals and objectives of the REAP 2.0 Program.

BACKGROUND:

The REAP 2.0 program was established as part of the 2021 California Comeback Plan under AB 140. REAP 2.0 builds on the success of Regional Early Action Planning Grant Program of 2019 (REAP 1.0) and expands the program focus by integrating housing and climate goals, and allows for broader planning and implementation investments, including infrastructure investments supporting infill development to facilitate housing supply, choice, and affordability. The program tackles key barriers

to meeting regional housing needs and state policy goals—such as limited land availability, financing gaps, and insufficient infrastructure—through targeted funding and technical assistance.

Last year, SCAG faced an unexpected budget challenge when the Governor’s proposed budget called for a 50% statewide cut to REAP 2.0 funding. In response, SCAG paused the REAP 2.0 program to assess the impact and ensure responsible fiscal planning. Following months of regional advocacy, SCAG secured a final allocation of \$231.5M—slightly reduced from the original \$246M but enough to fully fund all previously approved grants.

SCAG staff has worked with grantees to make steady progress and has provided regular updates to the board. In April 2025, staff indicated that they would issue letters to grantees who had not executed Memorandums of Understanding (MOUs) with notice that funding would be at risk if projects did not progress. In addition, as part of the approval of FY25 Budget Amendment 2, the Regional Council granted the Executive Director authority to make administrative amendments to the FY 2024-25 OWP’s Regional Early Action Planning Grants of 2021 (REAP 2.0) Budget to reflect the program updates and changes approved by the Department of Housing and Community Development (HCD). The authorization includes the ability to reallocate funds, including increasing approved project budgets, between approved projects, as well as shift available funding to SCAG administered regional projects and ATP projects as necessary to maximize the utilization of the funds and advance the goals and objectives of REAP 2.0. Such amendments may be made in advance of formal budget adoption, with any changes included in the next Budget Amendment or Fiscal Year Budget, whichever is sooner. Staff have continued to work with grantees to make steady progress, including adjusting scopes and budgets to align with what can be reasonably completed.

Expenditure Deadline

Given the loss of 7 months during the 2024 budget cycle, SCAG actively advocated for a time extension to ensure that the most complex projects in SCAG’s portfolio had sufficient time to complete their work. With the signing of the 2025–2026 state budget, trailer bill AB 130 included a six-month extension for REAP program expenditures—helping to recover time lost during the pause prompted by proposed cuts in the 2024 budget process and bringing the final expenditure date to December 2026. Securing the extension was extremely challenging and came with the condition that most SCAG grantees complete their work by the original expenditure date of June 30, 2026—a commitment SCAG must uphold. Staff will continue to evaluate time extension requests on a case-by-case basis.

REAP 2.0 Program Progress Updates

Adjustments and Reprogramming

At the time of this report, all but four MOUs are executed with the remainder expected to be executed before the end of the year. Currently, the REAP 2.0 Program includes over 90 projects totaling approximately \$166.1M in suballocations, a reduction of 14% from the original suballocation amount of \$192.7M-see the attachment for the final project list. The majority of the reductions are the result of scope changes to ensure the awardee can complete the project by the final expenditure deadline. Except for one project, all project scope and budget reductions and withdrawals were initiated by grantees. Approximately \$26.6M is available for reprogramming at this time.

SCAG has developed a reprogramming approach that has been approved by HCD and aligns with the REAP 2.0 Guidelines and policy direction approved by the Regional Council in the REAP 2.0 Framework, various Calls for Projects, and administrative amendments authorized in FY25 Budget Amendment, as described above. The primary component of the reprogramming approach is to issue a second Notice of Funding Availability for Lasting Affordability in the Programs Accelerating Transformative Housing (PATH) Program (NOFA 2) Call for Projects to fund existing catalyst and housing trust funds with an emphasis on grantees new to the Lasting Affordability Program who are ready to receive funds. Staff is recommending a minimum of \$20M be awarded through the Call for Projects. The Regional Council would be asked to approve a contingency list of projects that could be funded if additional funds are made available. In order to move forward with this approach, staff has prepared an action item, under a separate cover, for consideration by the CEHD and RC in November 2025.

Consistent with RC policy, the remaining \$6.6M balance along with \$1.37M in administrative savings has been shifted to increase funding levels in support of REAP 2.0 projects previously approved by the Board. This includes restoring \$4M allocation to the Regional Pilot Initiatives Program, which was reduced from SCAG's REAP 2.0 award during the 2024 budget cycle and increasing allocation in the Subregional Partnerships Program for Los Angeles County by \$3.8M for an ADU rebate program to support wildfire impacted communities and unincorporated Los Angeles County. This will be a model that will be shared with other communities while addressing immediate housing shortage in the most impacted communities. Finally, staff has shifted \$170K to procure professional services in support construction management for SCAG to manage the RUSH Capital program to ensure final deliverables meet grant requirements and reduce SCAG's financial risk.

Status of Current Programs

The REAP 2.0 program currently includes over 90 projects totaling approximately \$166.1M. MOUs have largely been executed across the program with 3 in execution process and 1 in development. A status update by program area is provided below.



Sustainable Communities Program – Civic Engagement, Equity and Environmental Justice (SCP CEEEJ)

The Sustainable Communities Program - Civic Engagement, Equity and Environmental Justice (SCP CEEEJ) grant prioritizes housing planning that aims to close the racial equity gap and include partnerships with community-based organizations. The CEEEJ program currently includes five REAP 2.0 funded Housing and Land Use Strategies projects totaling approximately \$2M. All grantees have executed MOUs with SCAG and work is underway.

In the last quarter, several SCP Call 4 project teams made progress on technical analyses and held public workshops / advisory committee meetings to engage public on technical findings and inform development of final deliverables.

Sub-Regional Partnership Program 2.0

The Sub-Regional Partnership Program 2.0 (SRP 2.0) Program includes approximately \$20.7M in funding to sub-regional partners for eligible activities supporting member jurisdictions with implementing housing element work plans and strategies for increasing affordable housing. This program is anticipated to include 28 projects with SCAG’s subregional partners. As noted above, SCAG will be increasing Los Angeles County’s suballocation by \$3.8M for the ADU rebate program and will enter into an MOU with the county to advance this work-making the total allocation for this program \$23.8M. All other grantees have executed MOUs with SCAG and work is underway with a few COGs finalizing remaining member jurisdiction technical assistance projects.

Transportation Partnership Programs

The County Transportation Commission (CTC) Partnership Program connects infill housing to daily services and increases travel options that support multimodal communities to shift travel modes. On July 6, 2023, the Regional Council approved staff recommendations to fund 33 transformative planning and implementation projects that expand access, increase mobility, and bring jobs and housing closer together to achieve a more sustainable growth pattern across the region.

SCAG has executed Memorandums of Understanding (MOUs) with all the CTCs. After the recession of the stop work order in January 2025, 30 of the projects were determined able to move forward. Staff worked closely with individual project managers across all six CTCs to develop project scopes, budgets and timelines. Staff also continue to work collaboratively with the CTCs to revise project scopes, timelines, and budgets based on the new expenditure timeline of December 31, 2026. All projects are in progress.

A project highlight from the last quarter is the alpha testing of SBCTA’s VMT Mitigation Bank application. The app is a key component of Money Miles (the Commuter Program) and will be used by participants to log when they commute via an alternative mode or telework and earn incentives for reducing their VMT. By reducing their VMT, participants generate credits that will be purchased

by developers and local agencies that require VMT mitigation for their projects. Money Miles is expected to launch next spring.

Programs to Accelerate Transformative Housing (PATH)

The PATH Program includes three separate calls for projects; each is described in greater detail below.

Housing Infill on Public and Private Lands

The Housing Infill on Public and Private Lands (HIPP) Pilot Program includes \$6.6M to 9 projects to scale up development of available land and implementing large corridor-wide or area-wide infill housing policies and initiatives. All MOUs, but one, are executed with work underway. In the last quarter, HIPP project teams made progress on technical analyses and held workshops to engage public on technical findings and inform development of final deliverables.

Notice of Funding Available for Lasting Affordability

The Notice of Funds Available for Lasting Affordability (NOFA) includes approximately \$41.2M to 13 projects in support of innovative housing finance, trust funds, catalyst funds, and new permanent funding sources. All but one MOU are executed with the outstanding MOU in the execution stage. As noted above, SCAG is proposing a second Notice of Funding Availability for Lasting Affordability with up to \$20M available and the ability to award additional funding-making the total allocation for this program \$62.2M. The call will prioritize new grantees and focus on existing catalyst and housing trust funds that are ready to receive funding. In addition, staff recommend creating a contingency list of projects that can receive funding, should additional REAP 2.0 funding become available. This item is going before the CEHD and the Regional Council for consideration in November.

To date, \$13.9M has been deployed by three regional housing trusts into local affordable housing lending programs and progress has been made to establish three new regional housing trusts.

Regional Utilities Supporting Housing

The Regional Utilities Supporting Housing (RUSH) program includes approximately \$25M for 11 projects that focus on investments in utility infrastructure planning and capital improvements that will support jurisdictions in basic utility infrastructure needed for housing: water, wastewater, stormwater management and electricity. All but two MOUs are executed for this program, with one in the execution stage.

Most grantees have brought on consultants or are in the process of doing so and work has begun. This includes LADWP that is advancing work on Project Powerhouse. Project Powerhouse is focused on removing one of the major obstacles that affordable housing developers face, the cost of utility infrastructure. Using REAP 2.0 funding LADWP to build out public right-of-way utility infrastructure

for 100% affordable housing developments. This will reduce developer costs and shorten development timeframes.

Additional RUSH projects will move forward with planning and construction activities in the coming months. This includes the San Bernardino County Bloomington Sewer Extension Project that will construct around 7,500 linear feet of sewer main lines and associated infrastructure to support future housing development in the community.

Milestones for upcoming quarter

The County Transportation Commission (CTC) Partnership Program anticipates several milestones in the next quarter. LA Metro is expected to award a contract for the Bike Share Infill Expansion project. This project will increase multi-modal opportunities for communities located along metro rail and bike trail corridors. The project will deliver 60 new Metro Bike Share stations and 720 bikes with 85% of them being electric bikes. This project will be transformative for expanding multi-modal access in infill communities in Los Angeles County.

In Ventura County, VCTC is nearing completion on the Santa Paula Branch Line Trail Master Plan and Environmental Impact Report Update. The Paratransit Assessment project final report is expected in early 2026. In Orange County, OCTA is nearing completion of the Fullerton Park and Ride Master Plan, bringing planning for transit oriented development to an underutilized park and ride lot.

In the coming quarter, the Lasting Affordability Program expects additional regional housing trusts to deploy an additional \$8.6M to local affordable housing lending programs.

NEXT STEPS

Staff will take the second NOFA for the Lasting Affordability Program before the CEHD and Regional Council for consideration, move forward with reprogramming activities, and provide regular updates to the Regional Council and Policy Committees on the REAP 2.0 program, with an anticipated next update in Spring 2026.

FISCAL IMPACT:

Work associated with this item is included in the FY 25-26 Overall Work Program No. 305 – Regional Early Action Planning (REAP) Grants Program – REAP 2.0.

ATTACHMENT(S):

1. Attachment REAP 2 Project List_final_complete

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
County Transportation Commission (CTC) Partnership Program	VCTC	Ventura	Countywide Paratransit Integration Study	\$242,578
County Transportation Commission (CTC) Partnership Program	VCTC	Ventura	Countywide Transit Stops Inventory & Accessibility Assessment / Capital Improvements Grant Program	\$3,100,000
County Transportation Commission (CTC) Partnership Program	VCTC	Ventura	Community Traffic Calming & Pedestrian and Bicycle Safety Program	\$300,000
County Transportation Commission (CTC) Partnership Program	VCTC	Ventura	Santa Paula Branch Line Active Transportation - Master Plan Update and Validate Connections to Serve New Housing and Reduce VMT	\$134,422
County Transportation Commission (CTC) Partnership Program	SBCTA	San Bernardino	San Bernardino County VMT Mitigation Bank	\$3,045,000
County Transportation Commission (CTC) Partnership Program	SBCTA	San Bernardino	Countywide Multi-Modal Complete Streets Program	\$6,519,868
County Transportation Commission (CTC) Partnership Program	RCTC	Riverside	Coachella Rail Station Feasibility Study and Integrated Land Use and Transit Network	\$2,005,000
County Transportation Commission (CTC) Partnership Program	RCTC	Riverside	RCTC Core Capacity Innovative Transit Study	\$3,000,000

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
County Transportation Commission (CTC) Partnership Program	RCTC	Riverside	Vehicle Miles Traveled Study	\$2,005,000
County Transportation Commission (CTC) Partnership Program	RCTC	Riverside	RTA (Riverside Transit Agency) GoMicro Microtransit Pilot Program Extension	\$2,378,635
County Transportation Commission (CTC) Partnership Program	RCTC	Riverside	CV Link Community Connectors Analysis	\$1,700,000
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	Fullerton Park and Ride Transit Oriented Development Site Design Concepts	\$474,575
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	Active Transportation Outreach and Engagement Support	\$399,058
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	Bikeways Connectivity Study	\$499,622
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	First Street Multimodal Boulevard Design	\$4,300,000
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	Orange County Mobility Hubs Pilot Concept of Operations	\$291,501
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	McFadden Avenue Transit Signal Priority Pilot	\$3,698,499

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	Next Safe Travels Education Program (STEP) 2.0	\$1,250,000
County Transportation Commission (CTC) Partnership Program	OCTA	Orange	Harbor Boulevard Cloud-Based Transit Signal Priority Stage II	\$2,376,745
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Developing Neighborhood Mobility Hub Pilot Projects in Disadvantaged Communities in the South Bay	\$404,250
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Countywide Signal Priority Cloud Based Solution	\$4,004,028
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Connecting Communities with Stress Free Connections	\$2,250,000
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	First Last Mile Revolution: Transforming Metro Connections to Housing	\$1,050,000
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Traffic Reduction Study	\$1,000,000
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Enhanced GoSGV E-Bike Share Program	\$2,625,469
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	North Hollywood Transit Center	\$8,500,000

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Mobility Wallets Pilot 2.0: Challenge and Low-Income	\$4,023,750
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Urban Wilderness Access Feasibility Plan	\$372,000
County Transportation Commission (CTC) Partnership Program	LACMTA	Los Angeles	Metro Bike Share In-fill Expansion	\$7,550,000
County Transportation Commission (CTC) Partnership Program	ICTC	Imperial	Calexico Intermodal Transportation Center	\$1,000,000
Total				\$70,500,000

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Sustainable Communities Program	County of Ventura	Ventura	Ventura County Farmworkers Housing Study and Action Plan	\$ 481,499
Sustainable Communities Program	City of La Puente	Los Angeles	Mixed Use Development for Underutilized Commercial Zones	\$ 409,323
Sustainable Communities Program	City of Laguna Beach	Orange	Environmental Impact Report for Laguna Beach Downtown Specific Plan Phase II	\$ 200,000
Sustainable Communities Program	City of Jurupa Valley	Riverside	Town Center Implementation	\$ 467,743
Subregional Partnership Program (SRP) 2.0/Sustainable Communities Program	City of Lancaster	Los Angeles	Transit Oriented Development (TOD) Zones Update	\$ 469,978
Total				\$ 2,028,543

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

REAP 2.0 PROGRAM UPDATE

Program	Applicant	County	Project Name	Award Amount
Housing Infill on Public and Private Lands (HIPP)	City of Riverside	Riverside	Missing Middle Prototype Plans for Infill Housing Sites	\$500,000
Housing Infill on Public and Private Lands (HIPP)	City of Los Angeles	Los Angeles	Scaling up Housing Development on City-Owned Land	\$2,250,000
Housing Infill on Public and Private Lands (HIPP)	County of Ventura	Ventura	Unlocking Land for Housing	\$444,774
Housing Infill on Public and Private Lands (HIPP)	City of Moorpark	Ventura	Downtown Specific Plan	\$250,000
Housing Infill on Public and Private Lands (HIPP)	City of Oxnard	Ventura	TOD/HQTC Program	\$645,270
Housing Infill on Public and Private Lands (HIPP)	City of Culver City	Los Angeles	Fox Hills Specific Plan	\$505,000
Housing Infill on Public and Private Lands (HIPP)	SBCTA/SBCOG	San Bernardino	Public Land-to-Residential Project--Inventory, Analysis & Toolkit for Workforce and Teacher Housing	\$720,000
Housing Infill on Public and Private Lands (HIPP)	City of Long Beach	Los Angeles	Inclusionary Housing Program	\$250,000
HIPP/Subregional Partnership Program (SRP) 2.0	San Fernando Valley COG	Los Angeles	City of San Fernando (Zoning Code and San Fernando Corridors Specific Plan Update)	\$1,125,000
Total				\$6,690,044

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Lasting Affordability Program	Gateway Cities Affordable Housing Trust	Los Angeles	Predevelopment Loan Program	\$5,215,000
Lasting Affordability Program	Century Affordable Development, Inc.	Los Angeles	Catalytic Development Fund	\$5,000,000
Lasting Affordability Program	Los Angeles County Metropolitan Transportation Authority (Metro)	Los Angeles	Environmental Remediation Housing Acceleration Fund	\$5,000,000
Lasting Affordability Program	Housing On Merit	Los Angeles	HOM's Affordable Housing Catalyst Fund	\$700,000
Lasting Affordability Program	City of West Hollywood	Los Angeles	Feasibility Study for Community Land Trust Creation within the City of West Hollywood	\$150,000
Lasting Affordability Program	San Gabriel Valley Regional Housing Trust	Los Angeles	San Gabriel Valley Regional Housing Trust Revolving Loan Fund	\$5,000,000
Lasting Affordability Program	LACAHS (Los Angeles County Affordable Housing Solutions Agency)	Los Angeles	LACAHS Regional Coordination Strategic Plan	\$660,000
Lasting Affordability Program	City of Murrieta	Riverside	Murrieta Housing Authority Revolving Loan Program	\$4,100,000
Lasting Affordability Program	Lift to Rise	Riverside	We Lift: the Coachella Valley Housing Catalyst Fund	\$5,000,000
Lasting Affordability Program	City of Desert Hot Springs	Riverside	Downtown Infill Tax Incentive Financing Program for Housing Supportive Infrastructure	\$200,000

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Lasting Affordability Program	SBCTA/SBCOG	San Bernardino	San Bernardino Regional Housing Trust	\$5,000,000
Lasting Affordability Program	Housing Trust Fund Ventura County/Housing Land Trust Ventura County	Ventura	Housing Trust Fund Ventura County Revolving Long-Term Loan Program for Infill Affordable Housing Developments Project	\$5,000,000
Lasting Affordability Program	City of Montebello	Los Angeles	Montebello Transformative Corridors Project	\$190,000
Total				\$41,215,000

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Regional Utilities Supporting Housing (RUSH)	City of Upland	San Bernardino	City of Upland Affordable Housing Utilities Planning	\$303,500
Regional Utilities Supporting Housing (RUSH)	City of Desert Hot Springs	Riverside	Downtown and Palm Dr. Corridor Infill Development Sewer Area Study	\$500,000
Regional Utilities Supporting Housing (RUSH)	County of Riverside	Riverside	Cabazon Infrastructure Plan	\$997,500
Regional Utilities Supporting Housing (RUSH)	City of Torrance	Los Angeles	Torrance Housing Corridor Utility Infrastructure Study	\$100,000
Regional Utilities Supporting Housing (RUSH)	Housing Authority of the City of Los Angeles	Los Angeles	One San Pedro Redevelopment Infrastructure	\$400,000
Regional Utilities Supporting Housing (RUSH)	San Bernardino County (Bloomington)	San Bernardino	Bloomington Sewer Extension	\$6,508,000
Regional Utilities Supporting Housing (RUSH)	City of Calipatria	Imperial	City of Calipatria Delta Street Pump Station	\$1,500,000
Regional Utilities Supporting Housing (RUSH)	City of Rialto	San Bernardino	Water Supply Well City 3A for Regional Housing Project	\$1,100,000
Regional Utilities Supporting Housing (RUSH)	Soboba Band of Luiseño Indians	Riverside	Stormwater Drainage Project	\$6,108,797
Regional Utilities Supporting Housing (RUSH)	City of Palm Desert	Riverside	Flood Control Infrastructure for Housing Need	\$3,780,500
Regional Utilities Supporting Housing (RUSH)	Los Angeles Department of Water and Power (LADWP)	Los Angeles	Project Powerhouse – Supporting Affordable Housing Development in the City of Los Angeles	\$3,682,203
Total				\$24,980,500

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Subregional Partnership Program (SRP) 2.0	Gateway Cities COG	Los Angeles	Gateway Cities Affordable Housing Trust Seed Funding ("Trust Admin Costs")	\$33,250
Subregional Partnership Program (SRP) 2.0	Gateway Cities COG	Los Angeles	COG Technical Assistance Team	\$948,619
Subregional Partnership Program (SRP) 2.0	Gateway Cities COG	Los Angeles	5% Grant Administration	\$23,750
Subregional Partnership Program (SRP) 2.0	City of Los Angeles	Los Angeles	Housing Element Implementation	\$1,696,212
Subregional Partnership Program (SRP) 2.0	City of Los Angeles	Los Angeles	ADU Home Ownership Ordinance/Accelerating Low-Rise Missing Middle Housing Resource	\$2,360,133
Subregional Partnership Program (SRP) 2.0	City of Los Angeles	Los Angeles	Planning for Housing and Mobility	\$2,407,266
Subregional Partnership Program (SRP) 2.0	City of Los Angeles	Los Angeles	5% Grant Administration	\$340,188
Subregional Partnership Program (SRP) 2.0	County of Los Angeles	Los Angeles	Regional Sewer Model	\$1,466,434
Subregional Partnership Program (SRP) 2.0	County of Los Angeles	Los Angeles	5% Grant Administration	\$77,130
Subregional Partnership Program (SRP) 2.0	Imperial County Transportation Commission	Imperial	City of Westmorland Zoning Map Update, Downtown Overlay Zone and Objective Design Standards	\$175,000
Subregional Partnership Program (SRP) 2.0	Imperial County Transportation Commission	Imperial	City of Calexico: Program Environmental Impact Report for the 6th Cycle Housing Element Rezones Program to meet State Housing Element Requirements	\$250,000
Subregional Partnership Program (SRP) 2.0	Imperial County Transportation Commission	Imperial	City of Imperial Community Development Permit Streamlining	\$40,000

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Subregional Partnership Program (SRP) 2.0	Orange County COG	Orange County	OCS Bench and Housing-related Technical Assistance	\$3,061,843
Subregional Partnership Program (SRP) 2.0	Orange County COG	Orange County	5% Grant Administration	\$63,707
Subregional Partnership Program (SRP) 2.0	Riverside County	Riverside	Riverside County Revolving Loan Fund	\$696,722
Subregional Partnership Program (SRP) 2.0	San Fernando Valley COG	Los Angeles	City of Santa Clarita (Development of Objective Design and Development Standards)	\$250,000
Subregional Partnership Program (SRP) 2.0	San Gabriel Valley COG	Los Angeles	Housing Incubator	\$1,474,700
Subregional Partnership Program (SRP) 2.0	San Gabriel Valley COG	Los Angeles	5% Grant Administration	\$61,391
Subregional Partnership Program (SRP) 2.0	San Bernardino County Transportation Authority/COG	San Bernardino	Accelerating Housing Element Implementation	\$2,248,952
Subregional Partnership Program (SRP) 2.0	San Bernardino County Transportation Authority/COG	San Bernardino	5% Grant Administration	\$118,365
Subregional Partnership Program (SRP) 2.0	South Bay Cities COG	Los Angeles	South Bay Regional Housing Trust	\$232,863
Subregional Partnership Program (SRP) 2.0	South Bay Cities COG	Los Angeles	Commercial Redevelopment into Housing: Extension and Expansion	\$314,731
Subregional Partnership Program (SRP) 2.0	South Bay Cities COG	Los Angeles	5% Grant Administration	\$22,678
Subregional Partnership Program (SRP) 2.0	Ventura County COG	Ventura	AFFH Technical Assistance	\$401,756

Attachment: Attachment REAP 2 Project List_final_complete (REAP 2.0 Program Update)

SCAG REAP 2.0 PROJECT LIST

Program	Applicant	County	Project Name	Award Amount
Subregional Partnership Program (SRP) 2.0	Ventura County COG	Ventura	5% Grant Administration	\$10,000
Subregional Partnership Program (SRP) 2.0	Western Riverside COG	Riverside	Jurisdictional Technical Assistance	\$1,548,343
Subregional Partnership Program (SRP) 2.0	Western Riverside COG	Riverside	5% Grant Administration	\$81,491
Subregional Partnership Program (SRP) 2.0	Westside Cities COG	Los Angeles	WSCCOG Regional Housing Trust Implementation Plan	\$330,176
Total				\$20,735,700



AGENDA ITEM 4
REPORT

Southern California Association of Governments
November 6, 2025

To: Community Economic & Human Development Committee (CEHD)
Transportation Committee (TC)
Energy and Environment Committee (EEC)
From: Leslie Cayton, Associate Regional Planner
(213) 630-1453, cayton@scag.ca.gov
Subject: Connect SoCal 2024: Implementation Strategies Update

**EXECUTIVE DIRECTOR'S
APPROVAL**

RECOMMENDED ACTION FOR CEHD, EEC, AND TC:

Information Only – No Action Required

STRATEGIC PRIORITIES:

This item supports the following Strategic Priority 1: Establish and implement a regional vision for a sustainable future.

EXECUTIVE SUMMARY:

In April 2024, the Regional Council adopted Connect SoCal 2024, SCAG's Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). Connect SoCal 2024 included Implementation Strategies which identify ways SCAG will Lead, Partner, or Support other responsible parties. This report summarizes the progress to date of these implementation activities for which methods vary from collaborative policy leadership, research, or resource roles.

BACKGROUND:

As required by federal and state law, SCAG prepares a long-range Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) every four years which provides a vision for integrating land use and transportation for increased mobility and more sustainable development. The Regional Council adopted the latest RTP/SCS, Connect SoCal 2024, in April 2024. SCAG led an extensive planning and visioning process in developing Connect SoCal 2024, including meetings with 164 jurisdictions in the region to review their growth forecasts, an extensive public outreach process, and policy discussions with elected leaders from around the region. The plan identifies a series of outcomes including increased transit ridership; an emphasis on Priority Development Areas that bring housing, jobs, and mobility options closer together; safe and efficient goods movement; and streets that prioritize people and safety. Staff provided the first and second Implementation Strategies Update to the Policy Committees in November 2024 and June 2025.

CONNECT SOCAL 2024 IMPLEMENTATION

Direct implementation of Connect SoCal 2024 primarily relies on the actions and decisions of other transportation agencies, local jurisdictions, and actors in the private sector to operate transit service, install new bike paths, approve new land uses, or build new housing. SCAG has an increasingly significant role in implementing the plan which rests on collaboration with other agencies and stakeholders, policy leadership, our role as an information hub, through research—and, lastly, by providing resources to local agencies or jurisdictions to advance their efforts or implementation.

Regional Planning Policies: Connect SoCal 2024 includes Regional Planning Policies which provide guidance for integrating land use and transportation planning to realize the vision of Connect SoCal. The policies have been refined over several planning cycles to promote multimodal transportation investments and local development that align with the regional growth vision. The policies also incorporate recent direction from SCAG’s Regional Council, Policy Committees, and special subcommittees.

Implementation Strategies: The Implementation Strategies articulate priorities for SCAG efforts in fulfilling or going beyond the related Regional Planning Policies. These strategies represent near term efforts where SCAG will lead, partner, or support other responsible parties and are further specified as part of SCAG’s Overall Work Program development process.

Chapter 3.4 of Connect SoCal 2024 provides the complete list of Implementation Strategies. The Implementation Strategies are organized by Regional Planning Policy categories within the four Connect SoCal goal areas of Mobility, Communities, Environment, and Economy.

Since adoption of Connect SoCal 2024, SCAG has made progress on 80 of the 93 Implementation Strategies. The attached report details the actions and milestones that have occurred since the last semi-annual update in June 2025. Several additional strategies have made internal progress with initial research or drafting of Scopes of Work. As those projects progress, they will be included in future Connect SoCal Implementation Strategy Progress Reports. However, it is critical to note that successful implementation of Connect SoCal 2024 relies on many actors and decision makers beyond SCAG, including local jurisdictions and state, regional, and federal partners.

Regional Leadership: SCAG’s role in implementing Connect SoCal 2024, detailed in many of the Implementation Strategies, is in four primary ways: collaboration and policy leadership, funding administration, research, and resources. The following highlight some of the recent significant activities and milestones completed since Connect SoCal 2024 adoption:

Collaboration and Policy Leadership

- To prepare the region for the impacts to the transportation system, while identifying opportunities to imagine a new legacy for Southern California that accelerates progress toward

Connect SoCal implementation, SCAG staff prepared a Program Development Framework to coalesce and confirm SCAG's planning priorities and activities. The Framework was adopted by the Regional Council in September, and several major milestones were achieved in the associated work program including the launch of regional transportation demand management (TDM) implementation plans, an essential mobility strategy in the success of past Games.

- SCAG continued collaborating with other metropolitan planning organizations (MPO) on various policy and legislative efforts:
 - SCAG is working with other MPOs on reforming SB 375, the legislation that guides our Sustainable Communities Strategies requirements for regional planning. SCAG is advocating for enhanced resources to support SCS implementation, greater clarity and alignment across conflicting state policies, and transparency and process integrity in greenhouse gas target setting.
 - SCAG hosted three Joint MPO Coordination Meetings to discuss resiliency, SB 375 reform, shared legislative priorities, preparation for the 2028 Olympics, and opportunities for future partnership. One meeting each was held with Santa Barbara County Association of Governments (Sep. 26, 2025), Kern Council of Governments (Oct. 3, 2025), and San Diego Association of Governments (Oct. 20, 2025).
- SCAG continued to participate in the Transit Transformation Task Force, convened by the California State Transportation Agency (CalSTA) under SB 125 to develop policy recommendations to grow transit ridership and improve the transit experience for all users of those services. SCAG advocated for additional funding, tied to performance measures that strengthen accountability and drive measurable improvements across the region's transit systems, to provide long-term financial stability.
- SCAG advocated that a large proportion of Cap & Trade revenues, a flexible funding source for projects supporting infill housing, essential infrastructure, and transit/active transportation, be used to accelerate implementation of SCSs.
- SCAG collaborated with member and partner agencies through a variety of different forums, including hosting the Legislative Roundtable in-person at SCAG's Downtown Headquarters, hosting the Sub-Regional Executive Directors, presenting to the Tribal Alliance for Sovereign Indian Nations (TASIN) with the Brookings Institute on a Tribal Data Study.
- In partnership with the Western Riverside Council of Governments (WRCOG), SCAG co-hosted the Inland Empire Zero Emissions Vehicle Event to accelerate zero-emission vehicle and infrastructure deployment in Inland Southern California.

State and Federal Funding Administration

- SCAG completed the funding obligation processes for two projects in the region:
 - SCAG executed a memorandum of understanding (MOU) with Metrolink to fund and implement a \$2.8 million contactless open-loop fare payment pilot along the Metrolink San Bernardino and Arrow lines.
 - SCAG authorized up to \$680,000 in state and federal funding for a partnership project with the Housing Authority of the City of Los Angeles (HACLA) to launch an e-bike lending library at Nickerson Gardens in the Watts neighborhood.
- SCAG, on behalf of Metrolink, received \$52.6 million through the Solutions for Congested Corridors Program to replace 12 Tier 2 diesel locomotives with Tier 4 locomotives which are the cleanest diesel technology to date with the option to transition to hybrid operations.

Data Collection, Analysis, and Research

- As part of “Walktober,” a month dedicated to celebrating walking; raising awareness about pedestrian safety; and encouraging communities to create safer, more accessible streets, SCAG released two data and best practices resources:
 - SCAG released the “2025 Transportation Safety Regional Existing Conditions Report” in October 2025. The report includes baseline information and trends on disproportionate impacts on vulnerable users. The information provided in the report will inform the development of a Regional Safety Action Plan, which is anticipated to start soon.
 - SCAG also released the SoCal Community Transportation Safety Modeling Tool, which staff presented at the Transportation Research Board (TRB) ‘Tools of the Trade’ conference in Albuquerque in June.
 - SCAG published the Southern California Goods Movement Communities Opportunities Assessment Toolkit. The toolkit provides guidance on effective practices, strategies to strengthen workforce pathways, approaches to public health concerns, and resources to enhance communication and identify funding opportunities for community-driven solutions.
 - SCAG released two reports, “Addressing Barriers to Economic Opportunities” and “Apprenticeships: Expanding Economic Opportunities in Southern California.” Together, both reports offer data-driven insights and actionable recommendations for building a more inclusive regional economy, furthering SCAG’s Inclusive Economic Recovery Strategy.
 - In partnership with Brookings Metro, SCAG published the “Good Data, Stronger Tribes: Overcoming Native American Data Challenges in Southern California” report. The report aims to identify the role that regional organizations can play in addressing the data challenges that Native American Tribes and Native American people face.
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Local Technical Assistance Resources

- SCAG launched the Last Mile Freight Program (LMFP) Rebate Opportunity this fall which supports the conversion to Class 4 and Class 5 battery-electric vehicles. This program provides fleet operators engaged in last-mile delivery the opportunity to modernize fleets with zero-emission vehicles.
- SCAG supported the County of Los Angeles's effort to develop the Resilient Rebuild Resource Guide, a resource for homeowners and homebuilders rebuilding after the January wildfires in a manner that enhances wildfire resilience.
- SCAG continued to make strides in providing local resources under the Programs to Accelerate Transformative Housing (PATH):
 - Of the \$41.2 million REAP 2.0 funds awarded in the Lasting Affordability Program, over \$13.8 million has been disbursed so far to housing trust funds and catalysts programs that are collectively providing new local revolving lending programs for affordable housing.
 - SCAG staff executed nine MOUs under the Regional Utilities Supporting Housing (RUSH) program, with one project kicked off and multiple projects in procurement.
 - SCAG staff executed 38 MOUs collectively under the following programs: Notice of Funds Available (NOFA) for Lasting Affordability, Housing Infill on Public and Private Lands (HIPP) Subregional Partnership Program 2.0, and Sustainability Communities Program (SCP) Call 4, with multiple projects kicked off while others are in procurement.

NEXT STEPS:

Many strategies have ongoing or upcoming work that staff will continue to report on in future updates. While generally SCAG collects a comprehensive summary of progress as part of the next RTP/SCS development cycle, SCAG staff will provide highlights of progress by external agencies and performance measures on a semiannual basis.

FISCAL IMPACT:

Work associated with this item is included in the FY 25-26 Overall Work Program (Connect SoCal 2024 Implementation Strategies, 310.4874.02).

ATTACHMENT(S):

1. Connect SoCal 2024 Implementation Report (November 2025)
2. PowerPoint Presentation - Connect SoCal 2024 Implementation Update (November 2025)

Connect SoCal 2024: Implementation Strategies Update, November 2025 (80 of 93 strategies)

SCAG’s role in implementing Connect SoCal 2024 rests on collaboration with other agencies and stakeholders, policy leadership, our role as an information hub, through research—and, lastly, by providing resources to local agencies or jurisdictions to advance their planning efforts. In total, 80 of the 93 strategies have progressed since the adoption of Connect SoCal 2024. Since the update on implementation strategies in June 2025, 56 strategies continued to make significant progress. Below are key actions and milestones from June to October 2025 under those four categories:

- **Collaboration and Policy Leadership**
 - SCAG is working with other metropolitan planning organizations (MPO) on reforming SB 375, the legislation that guides Sustainable Communities Strategies (SCS) requirements for regional planning. SCAG is advocating for enhanced resources to support SCS implementation, greater clarity and alignment across conflicting state policies, and transparency and process integrity in greenhouse gas target setting.
 - SCAG continued to participate in the state’s Transit Transformation Task Force, convened by the California State Transportation Agency (CalSTA) under SB 125 to develop policy recommendations to grow transit ridership and improve the transit experience for all users of those services.
 - SCAG collaborated with member and partner agencies through a variety of different forums, including hosting the Legislative Roundtable, hosting the Sub-Regional Executive Directors, presenting to the Tribal Alliance for Sovereign Indian Nations with the Brookings Institute on a Tribal Data Study.
- **State and Federal Funding Administration**
 - SCAG completed the funding obligation processes for two projects: a memorandum of understanding with Metrolink to fund and implement a \$2.8 million contactless open loop fare payment pilot along the Metrolink San Bernardino and Arrow lines; and a partnership project with the Housing Authority of the City of Los Angeles to launch an e-bike lending library.
- **Data Collection, Analysis and Research**
 - SCAG released two data and best practices resources as part of “Walktober”: the “[2025 Transportation Safety Regional Existing Conditions Report](#)” and the [SoCal Community Transportation Safety Modeling Tool](#).
- **Local Technical Assistance Resources**
 - SCAG launched the [Last Mile Freight Program \(LMFP\)](#) Rebate Opportunity this fall, supporting the conversion to Class 4 and Class 5 battery-electric vehicles.

- SCAG kicked off several projects supported by the [Regional Utilities Supporting Housing \(RUSH\) program](#), focused on investments in utility infrastructure planning and capital improvements.

The tables on the following pages provide additional progress details for the Implementation Strategies that have progressed between June and October 2025, organized by each of the four Connect SoCal 2024 goal pillars: Mobility, Communities, Environment, and Economy.

MOBILITY

Category	Strategy	Status	Action or Milestone
Complete Streets	Support implementation of Complete Streets demonstrations (including those addressing curb space management) to accommodate and optimize new technologies and micromobility devices, first/last mile connections to transit and last-mile deliveries	In Progress	The California Transportation Commission allocated funding for three projects (two quick-build projects and one plan) on June 26, 2025.
Complete Streets	Support community-led Complete Streets plans and projects, including those that take into account how to mitigate or adapt to climate change impacts (e.g., extreme heat)	In Progress	The California Transportation Commission allocated funding for three projects (two quick-build projects and one plan) on June 26, 2025.
Complete Streets	Encourage data-driven approaches to inform Complete Streets policies	In Progress	SCAG staff continued to share bicycle and pedestrian counts to the California Active Transportation Data Portal which was released August 2025.
Complete Streets	Engage regional stakeholders in Complete Streets policy and plan development, implementation and evaluation	In Progress; Ongoing	SCAG staff convened quarterly meetings of the Safe and Active Streets Working Group in June and September 2025.
Complete Streets	Provide leadership at the state and regional levels to promote Complete Streets, including involvement on the statewide Complete Streets Advisory Committee and the Active Transportation Technical Advisory Committee	In Progress; Ongoing	SCAG staff participated in several statewide meetings: State Active Transportation Program Technical Advisory Committee (July and September 2025), California Walk and Bike Technical Advisory Committee (May and August 2025), and Strategic Highway Safety Plan Bicyclist & Pedestrian Challenge Areas (April and July 2025).
Funding the System/User Pricing	*Coordinate with local, regional, state and national partners to support transition to a mileage-based user fee	Ongoing	SCAG staff finalized the scope of work and is working with the Federal Highway Administration (FHWA) to process the funding agreement for the Strategic Innovation Revenue Collection (SIRC) grant, which FHWA awarded to SCAG earlier this year.
Funding the System/User Pricing	*Support local and regional partners on implementation of dynamic and congestion-based pricing programs, including facilitation of regional coordination	Ongoing	SCAG staff finalized the scope of work and is working with FHWA to process the funding agreement for the SIRC grant, which FHWA awarded to SCAG earlier this year.

Category	Strategy	Status	Action or Milestone
Funding the System/User Pricing	*Continue development and support for job-center parking pricing, including through Smart Cities and the Mobility Innovations Sustainable Communities Program (SCP) grant program	In Progress	SCAG staff reviewed and scored project nominations received through the Surface Transportation Block Grants (STBG)/Congestion Mitigation and Air Quality (CMAQ) Call for Projects, including parking pricing projects.
Funding the System/User Pricing	*Continue to coordinate with regional partners to support build-out of regional express lanes network	Ongoing	SCAG staff finalized the scope of work for the SIRC Grant and developed the funding agreement with FHWA. SCAG staff also finalized the scope of work for the SB 743 study on regional vehicle miles traveled (VMT) reduction strategies from the regional express lanes network and other mitigation strategies.
Funding the System/User Pricing	Study and pilot transportation user-fee programs and mitigation measures that increase equitable mobility	Upcoming	SCAG staff finalized the scope of work for the SIRC Grant and developed the funding agreement with FHWA.
Funding the System/User Pricing	Conduct education and outreach work to support the public acceptance of user fees	Ongoing	SCAG staff collaborated with the California Association of Councils of Governments (CalCOG) and the California Department of Transportation (Caltrans) on the Regional Infrastructure Accelerator grant implementation, including outreach and engagement on public support of user fees.
Safety	Integrate equity into regional safety and security planning processes through analysis of the disproportionate impacts in disadvantaged communities and vulnerable roadway users, like pedestrians, bicyclists, older adults, and young people.	In Progress	SCAG released the 2025 Transportation Safety Existing Conditions report in October as part of SCAG's wider "Walktober" communications. The report includes baseline information and trends on disproportionate impacts on vulnerable users. The information provided in the report will inform the development of a Regional Safety Action Plan, which is anticipated to start soon.
Safety	Promote implementation of data-driven approaches to guide transportation safety and security investment decision-making, including development of High Injury Networks and innovative safety modeling tools.	In Progress	SCAG received an FFY26 Office of Traffic Safety (OTS) grant to continue the development and enhancement of the SoCal Transportation Safety Predictive Modeling Platform. Staff presented the SoCal Community Transportation Safety Modeling Tool at the Transportation Research Board (TRB) 'Tools of the Trade' conference in Albuquerque in June 2025.

Category	Strategy	Status	Action or Milestone
Safety	Provide leadership at the state and regional levels to promote transportation safety and security planning, including involvement on the statewide Strategic Highway Safety Plan (SHSP) Steering Committee and Executive Leadership Committee.	Ongoing	SCAG staff continued to provide a regional perspective at meetings of the Strategic Highway Safety Plan (SHSP) Executive Leadership Steering Committee, and the Bike and Pedestrian Challenge Area Working Groups. Staff provided support for the September 2025 SHSP Executive Leadership committee meeting.
Safety	Evaluate projects submitted for inclusion in RTP/SCS and FTIP for their progress in achieving safety targets in the SCAG region.	Ongoing	SCAG staff reviewed and scored project nominations received through the STBG/CMAQ Call for Projects, including for projects that will significantly improve safety.
Safety	Work with local, state and federal partners to advance safer roadways, including reduced speeds to achieve zero deaths and reduce GHG.	Ongoing	The California Transportation Commission allocated funding for three projects (two quick-build projects and one plan) on June 26, 2025. SCAG staff attended several statewide meetings: State Active Transportation Program Technical Advisory Committee (July and September 2025), California Walk and Bike Technical Advisory Committee (May and August 2025), and Strategic Highway Safety Plan Bicyclist & Pedestrian Challenge Areas (April and July 2025). In June 2025, staff presented the SoCal Community Transportation Safety Modeling Tool at the TRB 'Tools of the Trade' conference in Albuquerque.
System Preservation and Resilience	Per federal requirements, establish and monitor regional targets for pavement conditions, bridge conditions and transit/rail assets, in coordination with Caltrans	Ongoing	SCAG staff submitted the 2026 Transportation Asset Management Plan to Caltrans, establishing pavement and bridge condition targets for the SCAG region. Staff continued to participate in the SB 1121 State and Local Transportation System Needs Assessment process. SCAG continues to participate in the Federal Transit Agency's (FTA) Transit Asset Management Peer Working Group to share ideas on how to successfully plan and develop transit asset management (TAM) targets. SCAG supports transit agencies with resources and training on TAM target development and National Transit Database reporting. SCAG also maintains a TAM database to support 'state of good report' reporting.
System Preservation and Resilience	Repair, operate, maintain and preserve the SCAG region's transportation assets in a state of good repair	Ongoing	SCAG staff reviewed and scored project nominations received through the STBG/CMAQ Call for Projects, including for projects that will significantly improve asset condition of the transportation network.

Category	Strategy	Status	Action or Milestone
System Preservation and Resilience	Collaborate to work toward a regional asset management approach	Ongoing	SCAG continues to participate in the FTA's Transit Asset Management Peer Working Group to share ideas on how to successfully plan and develop TAM targets. SCAG also maintains a TAM database to support 'state of good report' reporting. SCAG intends to procure a consultant to support the TAM database portal and target setting efforts for Connect SoCal 2050.
System Preservation and Resilience	Evaluate projects submitted for inclusion in the FTIP and RTP/SCS according to contributions in achieving system performance targets	Ongoing	SCAG continued to upgrade both the Federal Transportation Improvement Program (FTIP) and the Connect SoCal transportation project list to better track contributions to the federal performance measures, including system preservation. SCAG staff reviewed and scored project nominations received through the STBG/CMAQ Call for Projects. The STBG/CMAQ Call for Projects selection criteria emphasized Federal performance measures, including National Highway System performance.
Technology Integration	Implement Intelligent Transportation Systems (ITS) priorities to improve the safety and efficiency of the current transportation system	Ongoing	SCAG launched a quarterly newsletter to promote SCAG's Regional ITS Architecture and initiated a needs assessment for SCAG counties.
Technology Integration	Further develop a Regional Configuration Management process among CTCs, Caltrans districts, ports and local governments to ensure consistent and compatible integration of ITS technologies and interoperable operations	Ongoing	SCAG launched a quarterly newsletter to promote SCAG's Regional ITS Architecture and initiated a needs assessment for SCAG counties.
Transit and Multimodal Integration	* All Modes. Enable a more seamless mobility experience through the implementation of Mobility as a Service (MaaS). This may include leveraging Cal-ITP's support, initiate open-loop payment demonstrations, and test shared product systems and post-payment solutions.	In Progress	SCAG executed a partnership agreement with Metrolink to implement an open-loop pilot along the San Bernardino and Arrow lines. SCAG completed the funding obligation process and will provide up to \$2.8 million in state and federal funding to support the project.
Transit and Multimodal Integration	* All Modes. Test, deploy and scale new and shared mobility services, including micromobility (e.g., bike share, e-scooters, etc.) and microtransit pilot projects.	In Progress	SCAG completed the funding obligation process to authorize up to \$680,000 in state and federal funding for a partnership project with the Housing Authority of the City of Los Angeles (HACLA) to launch an e-bike lending library at Nickerson Gardens in the Watts neighborhood.

Category	Strategy	Status	Action or Milestone
Transit and Multimodal Integration	*Transit/Rail. Expand the region’s dedicated lanes network—including new bus rapid transit, dedicated bus lanes, express bus service on managed and express lanes—as well as the region’s urban and passenger rail network and transit/rail signal priority treatments. Improve transit/rail frequency, reliability, and fare and scheduling integration across operators.	In Progress	SCAG Executive Director Kome Ajise continued to serve as a member of the CalSTA Transit Transformation Task Force and shared key principles, strategies, and recommendations from Task Force discussions with County Transportation Commission Planning Directors and the Regional Transit Technical Advisory Committee. SCAG staff continue to monitor bus lane implementation efforts across the region, including those led by LA Metro and LADOT in preparation for the LA28 Olympics.
Transit and Multimodal Integration	* Transit/Rail. Through land use planning, support residential development along high-frequency transit corridors and around transit/rail facilities and centers	In Progress	With the passage of AB 2097, AB 2553, and SB 79, SCAG staff are developing and updating digital maps for local jurisdictions' reference in support of transit oriented development.
Transit and Multimodal Integration	* Active Transportation. Support community-led active transportation and safety plans, projects and programs (e.g., Safe Routes to Schools). Partner with local jurisdictions on demonstrations and quick-build projects through SCAG's Go Human initiative	In Progress	The California Transportation Commission allocated funding for three projects (two quick-build projects and one plan) on June 26, 2025.
Transit and Multimodal Integration	* Active Transportation. Expand the region’s networks of bicycle and pedestrian facilities. This includes creating more low stress facilities, such as separated bikeways and bike paths, slow streets, and open streets	In Progress	The California Transportation Commission allocated funding for three projects (two quick-build projects and one plan) on June 26, 2025.
Transportation System Management	Evaluate projects submitted for inclusion in RTP/SCS and FTIP for progress in achieving travel-time reliability in the SCAG region	Ongoing	SCAG staff reviewed and scored project nominations received through the STBG/CMAQ Call for Projects, including projects that contribute to travel-time reliability.

Category	Strategy	Status	Action or Milestone
Transportation Demand Management	Incentivize and promote the development of more Transportation Management Agencies/Organizations (TMAs/TMOs)	Upcoming	SCAG completed the procurement process and selected a consultant for the 2028 Games Regional Transportation Demand Management (TDM) Strategy, which will include efforts to strengthen the role of TMAs/TMOs as local implementation partners.
Transportation Demand Management	Facilitate partnerships and provide a forum between public and private sector Transportation Demand Management (TDM) practitioners and stakeholders to develop and implement policies, plans and programs that encourage use of transportation alternatives.	Ongoing	SCAG continues to convene monthly Games Mobility Executives TDM Subcommittee meetings and, in May 2025, hosted the first quarterly Regional TDM Forum to promote regional collaboration. SCAG staff also held targeted meetings with key stakeholders (e.g., venue cities, venue adjacent cities, airports, universities, councils of government, etc.) to better understand their unique needs and priorities.
Transportation Demand Management	Develop and promote the use of a regional TDM data clearinghouse. Leverage data and TDM Toolbox best practices to identify cost-effective strategies.	In Progress	SCAG completed the procurement process and selected a consultant for the 2028 Games Regional TDM Strategy, which includes evaluating both pilot and permanent projects. SCAG staff also researched TDM ordinances and best practices from other mega-events, which the consultant team will use to inform updates to the TDM Toolbox.
Transportation Demand Management	Collaborate to develop regional and localized marketing campaigns that promote TDM modes such as transit, carpool, walking and biking to school.	In Progress	SCAG completed the procurement process and selected a consultant for the 2028 Games Regional TDM Strategy, which includes communications support. SCAG staff also developed an initial inventory of Games Mobility Executives' communications channels, which the consultant team will expand into a more comprehensive resource.

COMMUNITIES

Category	Strategy	Status	Action or Milestone
Equitable Engagement and Decision-Making	Develop an Equity Assessment Tool that can be utilized by SCAG in program development and delivery, and develop a complementary tool that can be incorporated into local assistance/ subrecipient programming and delivery.	In Progress	Staff is reviewing federal policy and working to align the strategy and actions with change to develop a tool to help inform project development.
Equitable Engagement and Decision-Making	Develop an agency-wide Community Partnering Strategy that outlines tools and resources for partnering with CBOs, tribal entities and other partners to increase inclusive and equitable engagement opportunities.	Upcoming	Staff has reviewed federal policy to align the strategy and actions with change. SCAG staff initiated the process to procure a consultant to develop the Community Partnership Strategy.
Equitable Engagement and Decision-Making	Develop a resource guide and training for equitable and culturally relevant stakeholder engagement for public agencies, including SCAG, that recognizes community contexts and histories, existing community resources and engagement opportunities.	In Progress	Staff has reviewed federal policy to align the strategy and actions with change. SCAG staff initiated the process to procure a consultant to develop the Community Partnership Strategy.
Equitable Engagement and Decision-Making	Align with appropriate state and federal partners to identify and utilize equity centered measures to track outcomes, progress and lessons learned from Connect SoCal implementation.	In Progress	Staff is reviewing federal policy and working to align the strategy and actions with change. SCAG staff began development of the 2026 State of the Region report and will incorporate equity-centered measures where applicable.
Housing the Region	Provide technical assistance for jurisdictions to complete and implement their housing elements and support local governments and Tribal Entities to advance housing production	In Progress	SCAG staff executed 38 Memorandums of Understanding (MOU) under Notice of Funds Available (NOFA) for Lasting Affordability, Housing Infill on Public and Private Lands (HIPP) Subregional Partnership Program 2.0, and Sustainability Communities Program Call 4, with multiple projects kicked off while others are in procurement. Staff are currently working with grantees to ensure timely kick-off to meet the June 2026 expenditure deadline.
Housing the Region	Identify and pursue partnerships at the local, regional, state and federal levels to align utility, transit and infrastructure investments with housing development and equitable outcomes across the region	In Progress	SCAG staff executed nine MOUs under the Regional Utilities Supporting Housing program, with one project kicked off and multiple projects in procurement.

Category	Strategy	Status	Action or Milestone
Housing the Region	Research and explore innovative homeownership models that can reduce costs and increase housing production in the region. Explore strategies to engage households of color and communities that are underrepresented as homeowners	Upcoming	Of the \$41.2 million REAP 2.0 funds awarded in the Lasting Affordability Program, over \$13.8 million has been disbursed so far to housing trust funds and catalysts programs that are collectively providing new local revolving lending programs for affordable housing. In September 2025, SCAG hosted a panel at the Community, Economic and Human Development Policy Committee, which explored affordable homeownership models including shared equity programs supporting housing cooperatives and rent-to-own homeownership.

ENVIRONMENT

Category	Strategy	Status	Action or Milestone
Air Quality	Coordinate with local, regional, state and federal partners to meet federal and state ambient air-quality standards and improve public health	Ongoing	SCAG staff hosted monthly Transportation Conformity Working Group meetings and processed 13 project-level conformity review requests. SCAG staff prepared the conformity and modeling portions of the proposed final 2027 FTIP Guidelines, which is a key step for the 2027 federal transportation programming of projects. SCAG staff provided updates to and actively coordinated with all involved agencies and partners to address new transportation conformity challenges triggered by the revocation of the State's Clean Air Act waivers. SCAG also pledged and promoted the 8th Annual Clean Air Day which fell on October 1, 2025.
Air Quality	Support local and regional partners by identifying funding opportunities that will help achieve greenhouse gas emission reduction and provide technical assistance and resources, when available	Ongoing	SCAG, on behalf of Metrolink, applied and received \$52.6 million from the California Transportation Commission administered Solutions for Congested Corridors Program. The funding will replace 12 Tier 2 diesel locomotives with Tier 4 locomotives which are the cleanest diesel technology to date with the option to transition to hybrid operations SCAG also launched the Last Mile Freight Program (LMFP) Rebate Opportunity this fall, supporting conversion to Class 4 and Class 5 battery-electric vehicles, providing fleet operators engaged in last-mile delivery the opportunity to modernize their fleets with zero-emission vehicles. This initiative is funded through the U.S. Environmental Protection Agency as part of the South Coast Air Quality Management District's Infrastructure, Vehicles, and Equipment Strategy for Climate, Equity, Air Quality, and National Competitiveness (INVEST CLEAN) program.
Clean Transportation	Support the deployment of clean transit and technologies to reduce greenhouse gas emissions as part of the CARB innovative clean technology rule	In Progress	SCAG selected and awarded a contract to the consultant to conduct the Clean Transit Regional Assessment Study, which will support regional efforts to transition to zero-emission buses (ZEB) by 2040. The study will assess the region's transit operators' efforts to develop and implement ZEB Rollout Plans, evaluating readiness of the region to transition to zero-emission transit fleets.

Category	Strategy	Status	Action or Milestone
Climate Resilience	Research existing and potential options to fund the climate resilience efforts of implementation agencies.	In Progress	SCAG staff are working to develop an upcoming Resilience Toolkit, which will include funding and financing strategies for resilience projects and post-disaster recovery. SCAG staff also continued work on the Natural and Agricultural Economic and Resilience Benefits Study, funded by the Sustainable Agriculture Lands Conservation Grant from the California Department of Conservation.
Climate Resilience	Collaborate with partners to foster adoption of systems and technologies that can reduce water demand and/or increase water supply, such as alternative groundwater recharge technologies, stormwater capture systems, urban cooling infrastructure and greywater usage systems.	In Progress	SCAG completed the Water White Paper and shared an overview to the Energy and Environment Committee in June . During the meeting, the Moulton Niguel Water District demonstrated their budget-based water management system which has been shown to reduce water demand in local communities.
Climate Resilience	Provide local and regional partners with resources, education and trainings to identify and protect areas vulnerable to climate effects and other resilience shocks and stressors, particularly for low-income communities and communities of color.	In Progress	SCAG hosted a special workshop on cool surfaces, “The Reflect Effect,” in July, bringing together practitioners and experts from local jurisdictions, the private sector, universities, and non-profit organizations to examine strategies for reducing extreme heat impacts on local communities by adopting cool surfaces and nature-based solutions.
Climate Resilience	Support implementing agencies' efforts to include climate-ready home-hardening strategies in new construction as well as the retrofitting of existing structures to minimize the potential loss of housing units stemming from climate-related hazards.	In Progress	SCAG supported LA County efforts to develop the Resilient Rebuild Resource Guide , a resource for homeowners and homebuilders rebuilding after the January wildfires in a manner that enhances wildfire resilience.
Natural and Agricultural Lands Preservation	Identify and leverage resources for research, policies and programs to conserve and restore natural and agricultural lands.	In Progress	SCAG staff kicked off work with the selected consultant for the Natural and Agricultural Lands Economic and Resilience Benefits Study. Initial work included developing an outreach plan, identifying stakeholders for listening sessions, and initiating research for baseline analysis. Listening sessions occurred in October 2025.

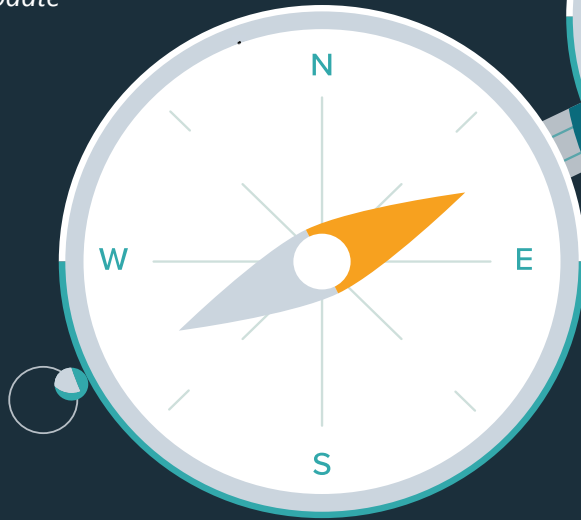
Category	Strategy	Status	Action or Milestone
Natural and Agricultural Lands Preservation	Explore opportunities to increase and quantify the carbon sequestration potential and resilience benefits of natural and agricultural lands—and pursue funding for implementation and demonstration projects.	In Progress	SCAG staff kicked off work with the selected consultant for the Natural and Agricultural Lands Economic and Resilience Benefits Study. Initial work included developing an outreach plan, identifying stakeholders for listening sessions, and initiating research for baseline analysis. Listening sessions occurred in October 2025.
Natural and Agricultural Lands Preservation	Support the integration of nature-based solutions into implementing agency plans to address urban heat, organic waste reduction, protection of wetlands, habitat and wildlife corridor restoration, greenway connectivity and similar efforts.	In Progress	SCAG staff kicked off work with the selected consultant for the Natural and Agricultural Lands Economic and Resilience Benefits Study. Initial work included developing an outreach plan, identifying stakeholders for listening sessions, and initiating research for baseline analysis. Listening sessions occurred in October 2025.

ECONOMY

Category	Strategy	Status	Action or Milestone
Goods Movement	Manage the implementation and transition to near-zero and zero-emission technologies for medium- and heavy-duty vehicles and supporting infrastructure.	In Progress	SCAG staff presented the final Southern California Zero Emissions Truck Infrastructure Study to the Transportation Committee in June 2025. SCAG also launched the LMFP Rebate Opportunity this fall, supporting conversion to Class 4 and Class 5 battery-electric vehicles. As of September 2025, four LMFP Phase 1 participants are still in implementation and 18 projects received award reimbursements since completion.
Goods Movement	Leverage the Last Mile Freight Program to develop and implement operational concepts with a core focus on last-mile delivery strategies across urban and rural communities.	In Progress	SCAG launched the LMFP Rebate Opportunity this fall, supporting conversion to Class 4 and Class 5 battery-electric vehicles. This program provides fleet operators engaged in last-mile delivery the opportunity to modernize their fleets with zero-emission vehicles. As of September 2025, 18 LMFP Phase 1 projects received award reimbursements since completion.
Goods Movement	Engage communities throughout the SCAG region on environmental justice concerns, economic needs and workforce development priorities	In Progress	SCAG published the Southern California Goods Movement Communities Opportunities Assessment Toolkit . The toolkit provides guidance on effective practices, strategies to strengthen workforce pathways, approaches to public health concerns, and resources to enhance communication and identify funding opportunities for community-driven solutions.
Goods Movement	Continue to coordinate with federal and state partners on goods movement planning efforts, including the Last Mile Freight Program, to position the SCAG region for further funding opportunities	In Progress	SCAG hosted quarterly coordination meetings in July with key partners through the Goods Movement Regional Partner Agency Meetings with local seaports, County Transportation Commissions, and Caltrans Headquarters and Districts.
Workforce Development	Encourage the growth of, and equitable access to, living-wage jobs throughout the region	In Progress	SCAG published two reports: Addressing Barriers to Economic Opportunities ; and "Apprenticeships: Expanding Economic Opportunities in Southern California." The Inclusive Economic Recovery Strategy grant has been closed out.
Workforce Development	Develop resources for understanding, analyzing and communicating complex regional economic and workforce data	In Progress	SCAG published the "Good Data, Stronger Tribes: Overcoming Native American Data Challenges in Southern California" report in partnership with Brookings Metro.

Connect SoCal 2024

Implementation Strategies Update



The Southern California Association of Governments' 2024-2050 Regional Transportation Plan/ Sustainable Communities Strategy

November 6, 2025

Attachment: PowerPoint Presentation - Connect SoCal 2024 Implementation Update (November 2025) (Connect SoCal 2024: Implementation

Our Role in the Region



Vision and Goals

SCAG leads the region by defining where we want to go and outlining strategies to get us there.

Leadership

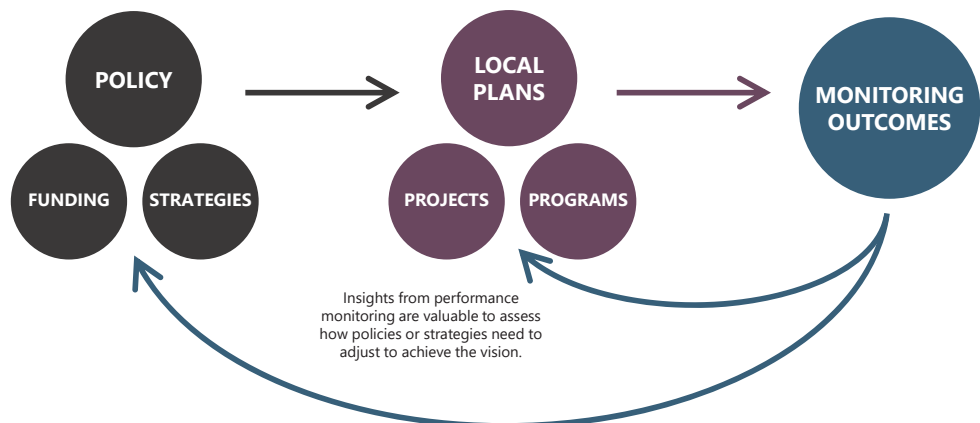
SCAG works with local jurisdictions, transportation commissions, state and federal agencies and various stakeholder groups to identify how we will work together to achieve the regional vision.

Implementation

Jurisdictions take action at the local level to implement work that moves toward achieving this regional vision. SCAG can support implementation by providing policy leadership, research or targeted resources.

Evaluation

Measurement of implementation work and outcomes acts as a benchmark on progress toward achieving the vision.



Plan Impact: Implementation



Regional Leadership

Collaboration and Policy Leadership

Federal Funding Administration

Data Collection, Analysis and Research

Local Technical Assistance Resources

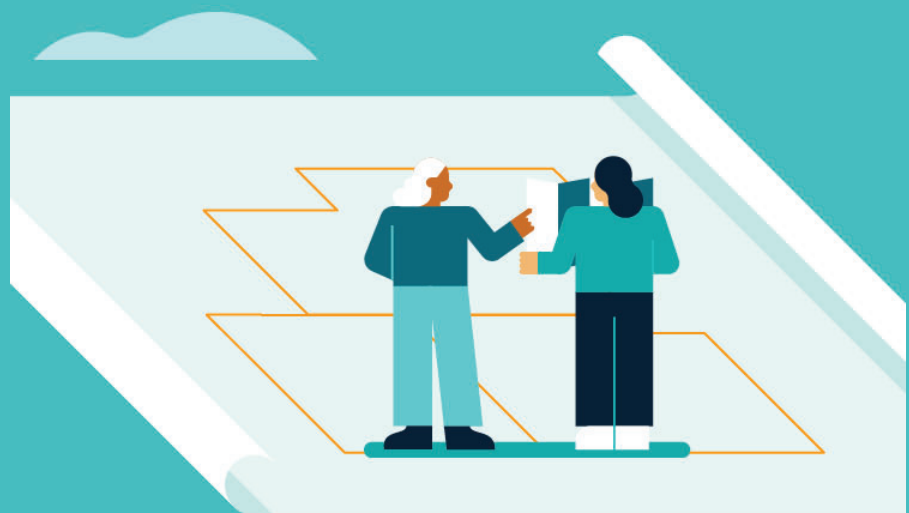
3

Connect SoCal 2024 Implementation Progress



November 2025 Update

- Second semi-annual progress update since adoption of Connect SoCal 2024 in April 2024
- Milestone updates for **56** Implementation Strategies. In total, SCAG progressed on **80 of 93** strategies since April 2024.



4

Vision and Goals



“A Healthy, Prosperous, Accessible and Connected Region for a More Resilient and Equitable Future”



MOBILITY

Build and maintain an integrated multimodal transportation network



ENVIRONMENT

Create a **healthy** region for the people of today and tomorrow



COMMUNITIES

Develop, connect and sustain **livable and thriving** communities



ECONOMY

Support a sustainable, efficient and productive regional environment that provides **opportunities for all** people in the region

Connect SoCal 2024 Implementation Progress



Mobility

Communities

Environment

Economy

Complete Streets and Safety

- The California Transportation Commission allocated funding for three projects (two quick-builds and one plan) in the SCAG region.

Funding the System, System Preservation and Resilience, etc.

- Reviewed and nominated projects received through the STBG/CMAQ Call for Projects.

Transit and Multimodal Integration

- Executed partnership agreement with Metrolink for \$2.8 million contactless open-loop fare payment pilot project.

Transportation Demand Management

- Selected a consultant for the 2028 Games Regional TDM Strategy.

Connect SoCal 2024 Implementation Progress



Mobility

Communities

Environment

Economy

Housing the Region

- Executed over 40 MOUs under Programs to Accelerate Transformative Housing (PATH), Subregional Partnerships Program 2.0, and Sustainable Communities Program Call 4.
- Of the \$41.2 million awarded in the Lasting Affordability Program, over \$13.8 million has been disbursed so far to housing trust funds and catalysts programs that are collectively providing new local revolving lending programs for affordable housing.

7

Connect SoCal 2024 Implementation Progress



Mobility

Communities

Environment

Economy

Climate Resilience

- Completed the Water White Paper which was presented to the Energy and Environment Committee in June.
- Supported the County of Los Angeles in developing the Resilient Rebuild Resource Guide.

Natural and Agricultural Lands Preservation

- Kicked off work for the Natural & Agricultural Lands Economic and Resilience Benefits Study and held listening sessions in October.

8

Connect SoCal 2024 Implementation Progress



Mobility

Communities

Environment

Economy

Goods Movement

- Launched the Last Mile Freight Program (LMFP) Rebate Opportunity this fall.
- Published the Southern California Goods Movement Communities Assessment Opportunities Assessment Toolkit.

Workforce Development

- Published two reports: "Addressing Barriers to Economic Opportunities" and "Apprenticeships: Expanding Economic Opportunities in Southern California."
- Published the "Good Data, Stronger Tribes: Overcoming Native American Data Challenges in Southern California."

9

THANK YOU!

For more information, please visit:

www.scag.ca.gov



The Southern California Association
of Governments' 2024-2050
Regional Transportation Plan/
Sustainable Communities Strategy

10



AGENDA ITEM 5
REPORT

Southern California Association of Governments
November 6, 2025

To: Energy and Environment Committee (EEC)

EXECUTIVE DIRECTOR'S
APPROVAL

From: Kimberly Clark, Planning Supervisor
(213) 236-1844, clark@scag.ca.gov

Subject: Planning for Extreme Heat

RECOMMENDED ACTION:

Information Only – No Action Required

STRATEGIC PRIORITIES:

This item supports the following Strategic Priority 1: Establish and implement a regional vision for a sustainable future.

EXECUTIVE SUMMARY:

Extreme heat is among the most significant and inequitable climate-related hazards affecting communities across Southern California. Rising average temperatures, longer and more intense heat waves, and limited access to cooling infrastructure disproportionately impact low-income households, outdoor workers, and historically under-resourced communities. This report provides background information on extreme heat in the Southern California region and its growing implications for public health, infrastructure, and regional planning. With the passage of Assembly Bill (AB) 2684 in 2024, jurisdictions must consider and plan for extreme heat impacts as part of General Plan Safety Element updates and have an opportunity to respond to increasing extreme heat events through planning, coordination, and resilience initiatives.

This session will feature a presentation and panel discussion on extreme heat risks and mitigation opportunities applicable to the SCAG region. Dr. Marc Futernick, MD, will provide an introductory overview of the health impacts of extreme heat, while Ana Tabuena-Ruddy, Assistant Director & Chief Sustainability Officer of City of Los Angeles' Bureau of Street Services, will provide an overview of the City's upcoming Extreme Heat Toolkit Decision Support Tool.

BACKGROUND:

Across Southern California, heat waves are intensifying in both frequency and duration. These increases in extreme heat translate into elevated health risks, higher cooling/energy demands, and disproportionate impacts in neighborhoods lacking adequate green space or cooling infrastructure. This mounting heat exposure provided the rationale for the enactment of Assembly Bill 2684.

In 2024, California enacted AB 2684, builds upon the Planning and Zoning Law (Government Code §65300 et seq.), which requires cities and counties to adopt a comprehensive, long-term General Plan that includes a Safety Element for protecting communities from risks such as seismic hazards, flooding, and wildfire.

AB 2684 expands this requirement to include extreme heat as a hazard that must be analyzed and addressed in Safety Element updates. Beginning January 1, 2028, any city or county that undertakes an update of one or more General Plan elements must also review and revise its Safety Element to reflect the most current data, projections, and adaptation strategies related to extreme heat.

To provide additional insight into the health and community impacts of extreme heat, as well as strategies for local and regional response, this item will feature presentations from two guest speakers with expertise in climate resilience, public health, and emergency preparedness:

- Dr. Marc Futernick, MD, is an Emergency Physician and climate advocate. He serves as National Director of Sustainability for U.S. Acute Care Solutions, a multi-specialty physician services company, focused primarily on Emergency Medicine. He is also the founding Managing Editor for the open access *Journal of Climate Change and Health*. Dr. Futernick joined the Steering Committee of the Medical Society Consortium on Climate and Health in 2019 as a representative for the California state chapter of the American College of Emergency Physicians (ACEP).
- Ana Tabuena-Ruddy is a Professional Landscape Architect (PLA) and serves as the Assistant Director and Chief Sustainability Officer for the Bureau of Street Services within the Department of Public Works for the City of Los Angeles. At StreetsLA Ana has led a team that has secured approximately \$300 million in active transportation, urban greening, and stormwater capture grants, in addition to leading efforts to update City plans and policies for tree planting.

FISCAL IMPACT:

None

ATTACHMENT(S):

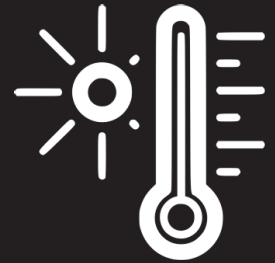
1. PowerPoint Presentation - Extreme Heat

The Impact of Extreme Heat on Human Health

Marc Futernick, MD, FACEP
Emergency Physician
National Director of Sustainability
US Acute Care Solutions

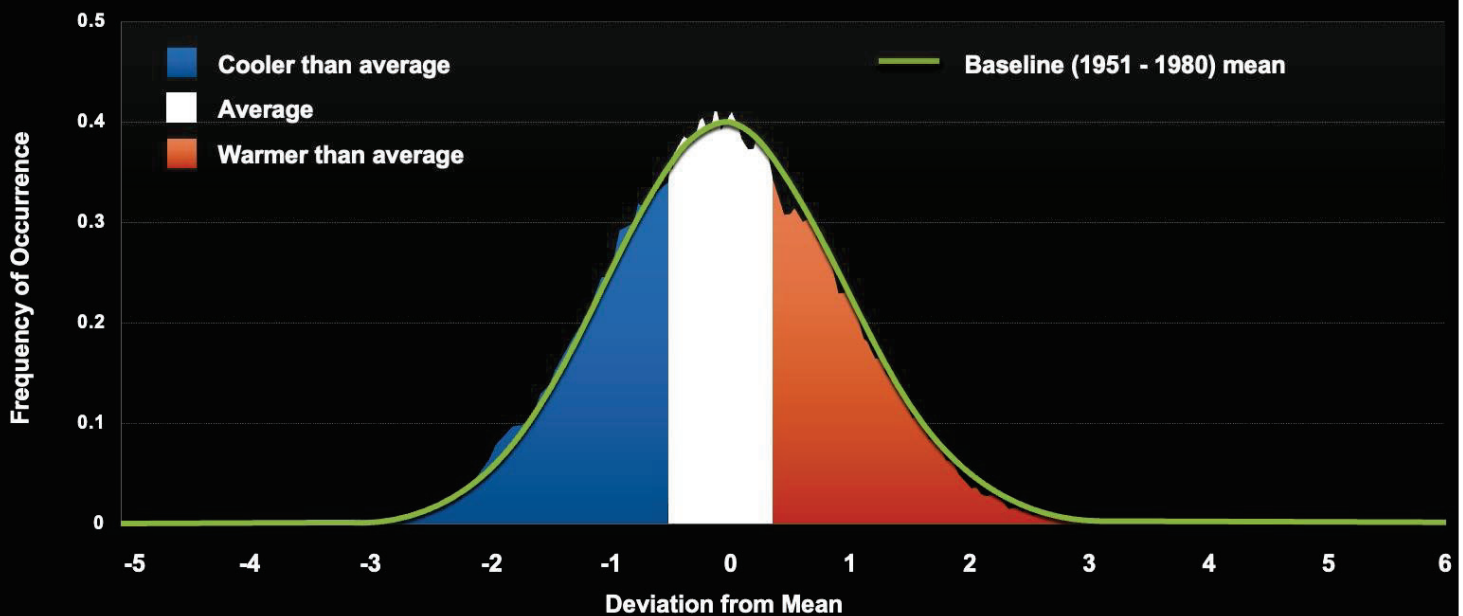
Managing Editor
Journal of Climate Change and Health

Medical Society Consortium on Climate and Health
ACEP Representative
Chairman, Executive Committee



Northern Hemisphere Summer Temperatures Have Shifted

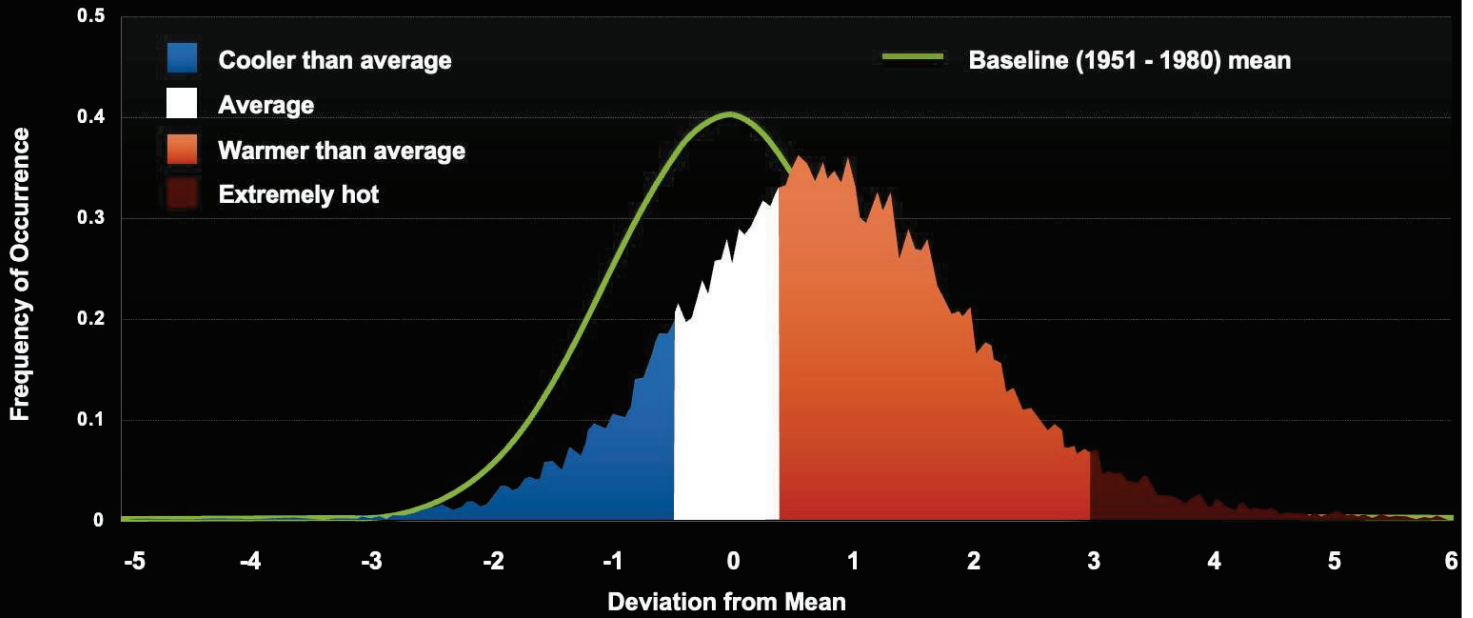
1951 – 1980



Data: James Hansen and Makiko Sato, July 2020

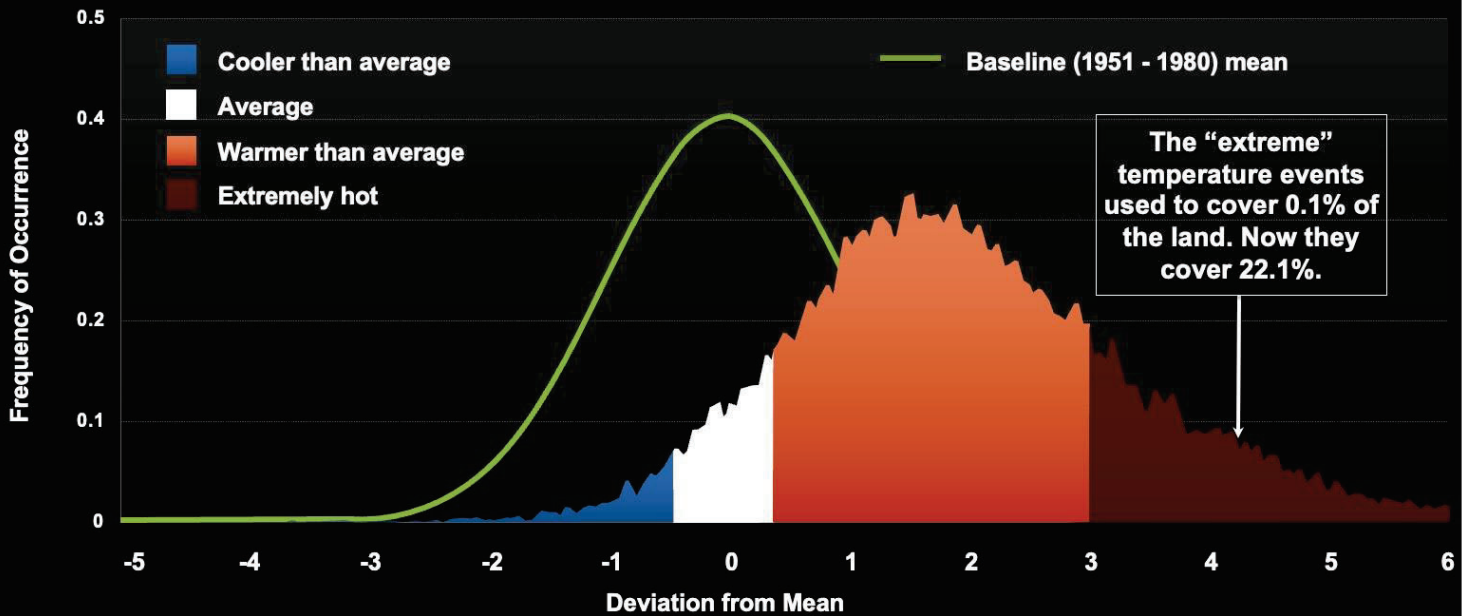
Attachment: PowerPoint Presentation - Extreme Heat (Planning for Extreme Heat)

1990 – 2000



Data: James Hansen and Makiko Sato, July 2020

2010 – 2020



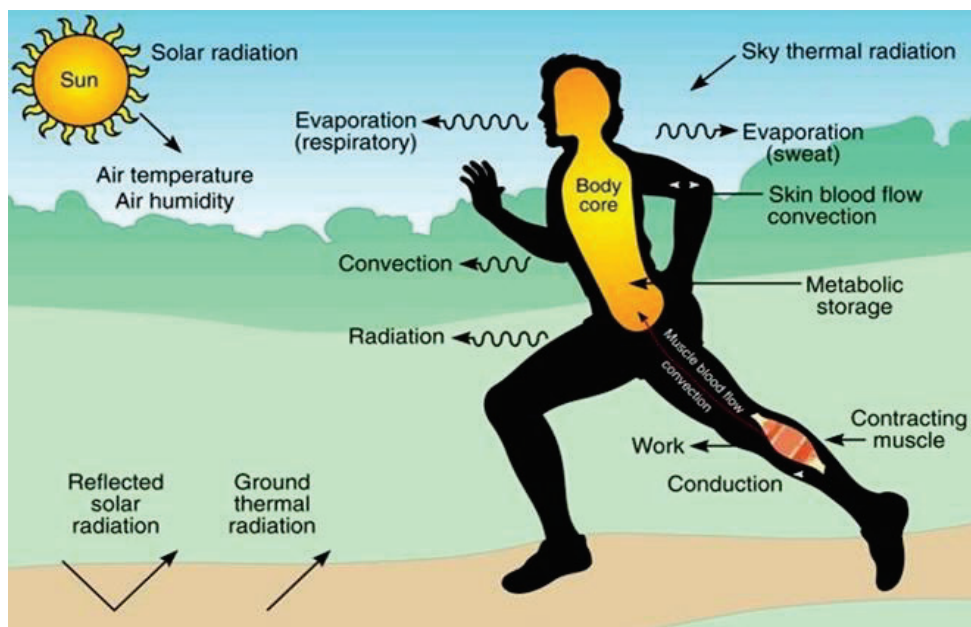
Data: James Hansen and Makiko Sato, July 2020

How does the Human Body Regulate Heat?



Physiological Reactions to Extreme Heat

Methods of Normal Cooling



Heat Measurements

Temperature – shaded thermometer reading

Heat Index – adds humidity factor

Wet-Bulb-Globe Temp – takes into account air movement, sunlight

	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%
115	111	115	120	127	135	143	151								
110	105	108	112	117	123	130	137	143	151						
105	100	102	105	109	113	118	123	129	135	142	149				
100	95	97	99	101	104	107	110	115	120	126	132	136	144		
95	90	91	93	94	96	98	101	104	107	110	114	119	124	130	136
90	85	86	87	88	90	91	93	95	96	98	100	102	106	109	113
85	80	81	82	83	84	85	86	87	88	89	90	91	93	95	97
80	75	76	77	77	78	79	79	80	81	81	82	83	85	86	86
75	70	71	72	72	73	73	74	74	75	75	76	76	77	77	78

WBGT vs. Heat Index

	WBGT	HEAT INDEX
Measured in the sun	✓	✗
Measured in the shade	✗	✓
Uses temperature	✓	✓
Uses relative humidity	✓	✓
Uses wind	✓	✗
Uses cloud cover	✓	✗
Uses sun angle	✓	✗

Extreme heat events cause
more deaths annually
in the U.S. than all other
extreme weather events combined.

Source: National Institutes of Health/NIEHS

BMJ Study – Ambient heat and risks of ED visits

74 million US patients in nearly 3000 counties; 22M ED visits

Definition of extreme heat:

Extreme heat=95th percentile *for that area*

Extreme heat increased

- All ED visits by 8%
- Heat-related illness by 66%
- Renal disease by 30%
- Mental health by 8%

BMJ 2021;375:e065653 | doi: 10.1136/bmj-2021-065653

Health Outcomes of Extreme Heat

- Increased overall mortality – More people die
- Increased cardiovascular mortality – More heart attacks and strokes
- Increased respiratory ailments (compounded by increased formation of ozone at higher temperatures)
- Increased preterm labor and delivery – More babies born premature
- Increased trauma, particularly interpersonal violence – More gunshot and stabbing victims
- Exacerbations of psychiatric illness, suicide attempts and completions – More people kill themselves

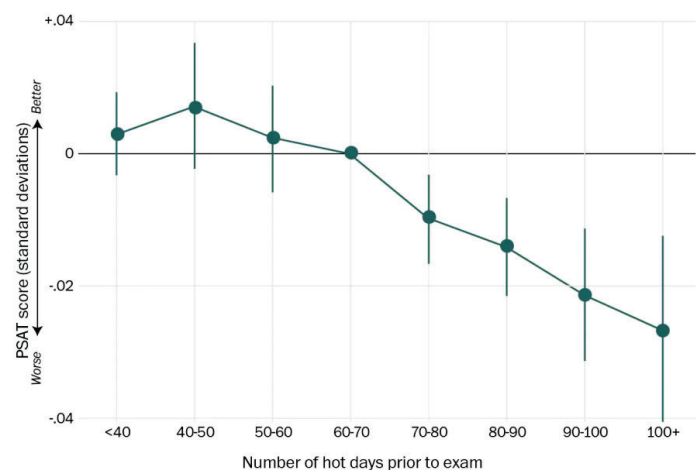
Educational impacts

Study of 10 million students who retook the PSATs found:

- Hot days leading up to exam reduced scores
- Extreme heat particularly damaging
- Each 1°F increase in school year temperature reduces the amount students learn that year by 1%
- These effects almost entirely erased by air conditioning
- Hot school days disproportionately affect minority and lower income students, accounting for roughly 5% of the racial achievement gap

Hot days lower PSAT scores in the United States

Effect of hot days on 10 million PSAT-takers between 2001 and 2014



What is Heat Illness?



Recognition, Treatment, & Prevention

Heat Exhaustion

WHAT TO LOOK FOR

- Heavy sweating
- Cold, pale, and clammy skin
- Fast, weak pulse
- Nausea or vomiting
- Muscle cramps
- Tiredness or weakness
- Dizziness
- Headache

WHAT TO DO

- Move to a cool place
- Loosen your clothes
- Put cool, wet cloths on your body or take a cool bath
- Sip water

Get medical help right away if:

- You are throwing up
- Your symptoms get worse
- Your symptoms last longer than 1 hour

Heat Stroke

WHAT TO LOOK FOR

- High body temperature (103°F or higher)
- Hot, red, dry, or damp skin
- Fast, strong pulse
- Headache
- Dizziness
- Nausea
- Confusion
- Losing consciousness (passing out)

WHAT TO DO

- Call 911 right away-heat stroke is a medical emergency
- Move the person to a cooler place
- Help lower the person's temperature with cool cloths or a cool bath
- Do not give the person anything to drink

<https://tinyurl.com/yxjrmsxx>

Classic vs. Exertional Risk Factors

Classic	Exertional
prolonged exposure	athletes / kids
physiologic factors	outdoor workers
social factors	conditioning
medical conditions	acclimatization
medications	obesity
infants / toddlers	heavy clothing

Heat Stroke Treatment Measures

80% mortality if left untreated

Acute heat stroke: rapid cooling

- Ice bath, fan and mist, cool lavage (gastric/bladder/peritoneal)
- Rapidity of cooling is key to good outcome

Mild heat illness and prevention: individual cooling

- Dousing with cool water or wet clothing - also decreases risk of dehydration
- Cool baths, even just hands or feet
- AC



Protecting our Communities



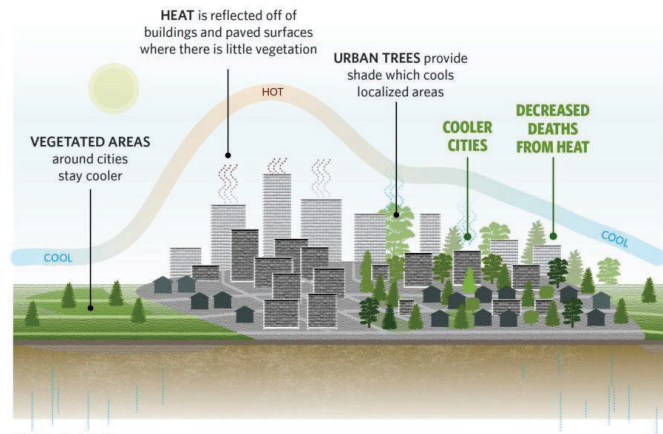
Adaptation & Innovation

Shade Trees and Other Interventions

- Shade Trees
- Green Roofs
- Cool Pavements / Roofs
- Electric and Active Transportation
- Workplace Modifications

URBAN TREES, COOLER CITIES

Pavement and concrete in cities absorb energy from the sun and then radiate that energy out, heating the air in cities more than in the surrounding countryside. Urban trees provide shade, preventing pavement and concrete from heating up, and also cool the air by transpiring water. Trees can cool neighborhoods by up to 4 degrees Fahrenheit.



TNC/Erica Simek Sloniker

18

Cool Surfaces – Solar Reflectivity – Albedo

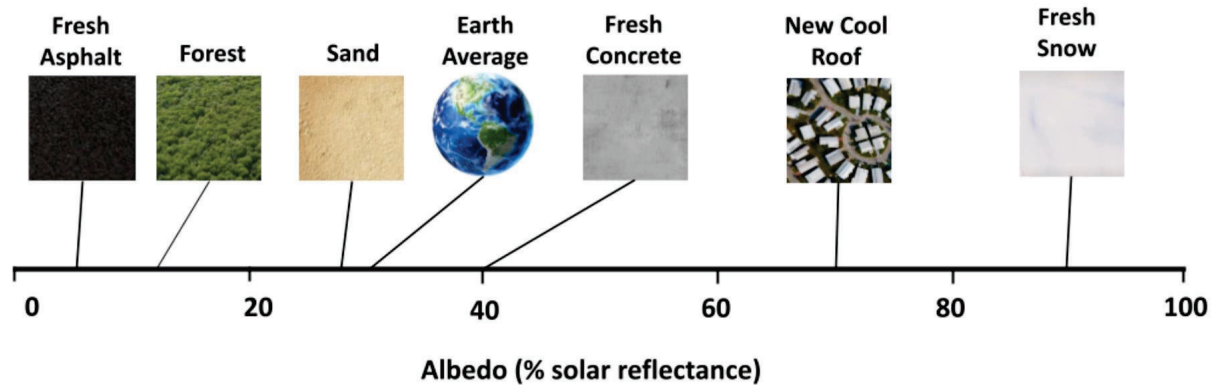


Figure 3: The albedo of common surfaces: Fresh asphalt reflects approximately 5% of the sun's energy. Forest reflects 10% to 15%. Sand reflects 30%. Earth's average albedo is 30%. Fresh concrete reflects between 25% and 50%. New cool roofs reflect between 25% for steep slope shingle roofs to over 90% (i.e., for a roof freshly coated with a very white coating product). Clouds reflect 75% to 85%. Fresh snow reflects 90%.^{10,11}

Cool Surfaces – features and benefits

- Roads, sidewalks, playgrounds, sports courts, parking lots, roofs, walls
- All colors because modern cool coatings and paints absorb infrared and UV spectrum radiation
- Reduces local surface and ambient air temperatures
- GHG reduction equivalents – complex but real
- Additional advantages – seals often extend life of surface, decrease cooling costs and AC use (powerful GHG generation)
- No entrenched opponents (such as fossil fuel industry)
- Ready for deployment now (multiple projects completed in L.A.)

Shine On: Increasing Local Solar Reflectance as a Means to Reduce the Greenhouse Effect
White Paper by Climate Resolve, Sept 2024

Bill Nye on Cool Surfaces (YouTube video)



Scan me!

2'
Attachment: PowerPoint Presentation - Extreme Heat (Planning for Extreme Heat)

North Bonneville,
Washington

September 4, 2017



© 2017 Reuters/Kristi McCluer

Learn more about the Climate Health Society



climatehealthsociety.org

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- COP31 November 2026 adjacent Climate Health Society Conference.
- Discount fees for manuscripts in The Journal of Climate Change and Health.
- Free membership for students/trainees and members from LMICs.

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