



ORANGE COUNTY COUNCIL OF GOVERNMENTS Technical Advisory Committee

Meeting Date / Location

Tuesday, August 1, 2023
9:30 A.M. – 12:00 P.M.

Meeting Link:

https://teams.microsoft.com//meetup-join/19%3ameeting_NmY4N2FmNTQtODk4MC00ZGIzLWEyYzItNjU2ODZmMDNiMml2%40thead.v2/0?context=%7b%22Tid%22%3a%2247feb367-af81-4519-94d7-caab1dfa1872%22%2c%22Oid%22%3a%22a2e04a02-2df2-4f7f-8724-377325b47e13%22%7d

Or call in (audio only)

+1 949-522-6403,,650103999# United States, Irvine
Phone Conference ID: 650 103 999#

Agenda Item

Staff

Page

INTRODUCTIONS

(Chair Equina, City of Irvine)

Note: Please enter your name and agency in the chat box

PUBLIC COMMENTS

(Chair Equina)

The agenda descriptions are intended to give members of the public a general summary of items of business to be transacted or discussed. The posting of the recommended actions does not include what action will be taken. The Technical Advisory Committee may take any action which it deems appropriate on the agenda item and is not limited in any way by the notice of the recommended action.

At this time members of the public may address the TAC regarding any items within the subject matter jurisdiction, which are not separately listed on this agenda. Members of the public will have an opportunity to speak on agendized items at the time the item is called for discussion. NO action may be taken on items not listed on the agenda unless authorized by law. Comments shall be limited to three minutes per person and an overall time limit of twenty minutes for the Public Comments portion of the agenda.
Any person wishing to address the TAC on any matter, whether or not it appears on this agenda, is requested to complete a "Request to Speak" form available at the door. The completed form is to be submitted to the TAC Chair prior to an individual being heard. Whenever possible, lengthy testimony should be presented to the TAC in writing and only pertinent points presented orally. A speaker's comments shall be limited to three minutes.

ADMINISTRATION

1. OCCOG TAC Meeting Minutes

(Chair Equina)

TAC 3

Draft OCCOG TAC minutes for the June 6th, 2023 meeting

Recommended Action: Approve OCCOG TAC minutes for the June 6th, 2023 meeting as presented or amended

PRESENTATIONS, DISCUSSION AND ACTION ITEMS, REPORTS

2. CDR Updates

- 1. 2023 January-June Housing Inventory System (HIS) Data Collection
- 2. State Department of Finance January 1 Estimates E-5, May 2023 Revisions
- 3. Orange County GIS Attached Housing Database
- 4. Orange County Data Acquisition Partnership (OCDAP)

(Director Diep, TAC 9
CDR) – 25
minutes

Recommended Action: Receive report

3 SCAG Meeting Update

(Chair Equina) – TAC 11
15 minutes

Recommended Action: Receive report

4. REAP 2.0 Update

(Executive
Director
Primmer) – 15
minutes

Recommended Action: Receive report

REPORT FROM CHAIR/VICE CHAIR

REPORT FROM THE OCCOG EXECUTIVE DIRECTOR

MATTERS FROM OCCOG TAC MEMBERS

ANNOUNCEMENTS FROM NON-MEMBERS

ITEMS FOR NEXT MEETING

IMPORTANT DATES OR UPCOMING EVENTS

August 28 – SoCal Greenprint TAC from 9:30 a.m. to 12:30 p.m.

REMINDERS: Please enter your name and agency in the chat box

Adjourn to: September 5, 2023



AGENDA ITEM # 1

Minutes of June 6, 2023

Draft Action Minutes

The Orange County Council of Governments Technical Advisory Committee (OCCOG TAC) meeting of June 6, 2023 was called to order at 9:30 am by Vice Chair Zdeba, City of Newport Beach. The meeting was held through video and telephone conferencing.

PUBLIC COMMENT:

There were no public comments.

ADMINISTRATION

1. OCCOG TAC Meeting Minutes

A motion and a second was made to approve the OCCOG TAC meeting minutes of May 2nd, 2023. The minutes were unanimously approved by the TAC.

PRESENTATIONS, DISCUSSION AND ACTION ITEMS, REPORTS

2. REAP 1.0 Update

Executive Primmer introduced OCCOG's on-bench consultants that have been working on model ordinances and tool kits under REAP 1.0. OCCOG's consultants gave presentations on their work efforts, including: the ADU Website Address Lookup Tool by Derek Ouyang, Objective Design Standards by Placeworks, Prohousing Weinbars and the AB 2097 tool by WSP, as well as a Technical Assistance Panel presentation by ULI.

3. Center of Demographic and Research (CDR) Update

CDR Director Deborah Diep provided updates on the following efforts:

a) Review of the SCAG Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS/Connect SoCal) Draft Growth Forecast

It was reported by CDR that while the city- and TAZ-level employment and housing totals in Connect SoCal Growth Forecast match the OCP-2022 jurisdiction inputs, the population totals do not. SCAG's explanation is their attempt to balance the regional and county forecasts for population/workers and jobs by increasing future in-migration levels. CDR is continuing to work with SCAG on the discrepancies and will report progress to the TAC.



b) 2023 January-June Housing Inventory System (HIS) Data Collection

It was noted that CDR will send requests for the January 1–June 30, 2023 HIS data in late June 2023 with a deadline to submit the data to CDR **by Friday, July 21, 2023**. Data should be submitted using the HIS form located at <http://www.fullerton.edu/cdr/HISform.xls>.

Jurisdictions are to verify that the same data reported to CDR is also provided to DOF in their annual Housing Unit Change Survey. For HIS questions, please contact Paul Lewis, Demographic Analyst, at 657-278-3417 or plewis@fullerton.edu.

c) State Department of Finance January 1 Estimates E-5, May 2023 Revisions

DOF released their annual estimates for January 1 for years 2020-2023. Revisions were made for all jurisdictions for years 2021 and 2022. Most revisions were downward. Please replace all previous data with the revised data. See Attachment 1 for revisions by jurisdiction. The full dataset can be downloaded from <http://www.dof.ca.gov/Forecasting/Demographics/Estimates/e-5/>.

d) Orange County GIS Multi-family database

CDR is building a GIS database of multi-family (apartments & condos) complexes and unit counts within Orange County utilizing existing information, aerial photos, HIS and other sources (e.g., Anaheim’s residential parcels, Irvine’s residential inventory, Newport Beach’s residential footprints). This information will be used for CDR’s internal use to disaggregate and verify the 2020 Decennial Census housing unit counts by type and American Community Survey data. If any jurisdiction has a GIS database or inventory (e.g., Excel database) of apartment and/or condo complexes within their jurisdiction, please send the information to Jeff Lewis, CDR GIS Analyst, at jeffplewis@fullerton.edu.

e) 2020 Census Count Question Resolution Program (CQR) Conclusion

CDR provided a reminder that deadlines for submission of cases for either 2020 Census Post-Census Group Quarters Review Program or 2020 Census Count Question Resolution is **June 30, 2023**. For more information visit: <https://www.census.gov/programs-surveys/decennial-census/decade/2020/planning-management/evaluate/pcgqr.html>

f) Orange County Data Acquisition Partnership (OCDAP)

It was reported that OCDAP Cycle 2 sign-ups will continue through June 2024 with no proration to costs if a late adopter. For information on how to sign up, jurisdictions should visit the Cycle 2 Participation Agreement (PA) which can be downloaded at http://www.fullerton.edu/cdr/OCDAP/OCDAP_Documents_Products.aspx.

Imagery and online access is being delivered to active members. It was clarified that “active” members are those who have both signed the PA and have paid the invoice.



If your jurisdiction is an active member, project lead Cameron Smith, County GIS Manager at cameron.smith@ocpw.ocgov.com, was provided as the best contact for deliverables access.

For documents, current member status, and more information, please visit the OCDAP website at <http://www.fullerton.edu/cdr/OCDAP/index.aspx>.

RFP preparation for Cycle 3's imagery capture in early summer 2024 is underway. Those interested in Cycle 3 (FY2024/25-2025/26) can contact Deborah Diep at ddiep@fullerton.edu.

4. SCAG Meeting Update

Chair Equina provided an update on the June 1st SCAG CEHD meeting, which covered Connect SoCal's regional growth pattern and RHNA Reform.

SCAG is now in the process of evaluating and comparing the development pattern of the final Connect SoCal 2020, the preliminary Connect SoCal 2024, and the locally-reviewed Connect SoCal 2024. Based on the preliminary results, the development pattern performs better than Connect SoCal 2020, but is slightly lower than the theoretical development pattern for 2024, and this was seen across nearly all counties. While we await detailed model results, indications so far are positive that the plan's development pattern can contribute to meeting our GHG targets and is an improvement from the 2020 Connect SoCal.

On RHNA Reform, two public virtual listening sessions will be held to collect additional input in June. Based on input received through June 30, SCAG staff will forward draft recommendations for review by the CEHD Committee for further approval by the Regional Council in August and September, respectively. The approved recommendations will be used to inform a comment letter to HCD on RHNA reform that will be submitted by early to mid-September.

5. Caltrans 1-5 Managed Lanes

Chis Flynn, Caltrans District 12 Deputy District Director of Environmental Analysis, announced the start of the public review period for the I-5 Managed Lanes Project – Red Hill Avenue to Orange/Los Angeles County Line. An in-person public hearing will take place on June 28 and a virtual public hearing will take place on June 29. For more information, visit <https://scag.ca.gov/reap2021>.

6. REAP Update

Marnie Primmer, OCCOG Executive Director, provided updates on REAP 2.0. Executive Director Primmer informed the TAC about requests that have come from the Orange County Housing Finance Trust about funding two programs with OCCOG's REAP 2.0 grant funds. She also provided highlights on what will be included in OCCOG's REAP 2.0 application that will be approved by the OCCOG Board at their June 22 meeting.

- Continue the Esri license



Orange County Council of Governments

- Continued access to 3D rendering services
- Addition of access to Balancing Act and Alpha View tools to support monitoring of public sentiment
- Continue the on-call services bench for member agencies
- Development of plans and resources for “Missing Middle” housing.

REPORT FROM CHAIR/VICE CHAIR

There were no reports from the Chair/Vice Chair.

THE EXECUTIVE DIRECTOR

There was no report from the Executive Director.

MATTERS FROM OCCOG TAC MEMBERS

There were none.

ANNOUNCEMENTS FROM OCCOG TAC NON-MEMBERS

There were no items to report from non-OCCOG TAC Members.

ITEMS FOR NEXT MEETING

There were none.

IMPORTANT DATES OR UPCOMING EVENTS

- June 22-- Chapman University Economic Forecast Update at 3 p.m.
- June 22 and 27 – RHNA Reform Virtual Public Listening Session #2 from 1 – 3 p.m.
- July 5 – SCAG Executive Administration Committee from 3 – 4 p.m.
- July 6 – CEHD Meeting from 9:30 – 11:30 a.m.
- July 6 -- SCAG Regional Council Meeting from Noon to 2 p.m.
- July 20 – Technical Working Group from 10 a.m. – Noon

ADJOURNMENT

The meeting was adjourned by Vice Chair Zdeba until July 11th (tentatively) or August 1, 2023 via video and teleconferencing.

Submitted by:

Justin Equina, City of Irvine
OCCOG TAC Chair



Attendees:

Name	Agency
Allan Loomis	Placeworks
Amanda Lauffer	Anaheim
Angel Garfio	OCTA
Anthony Viera	Laguna Beach
Belinda Deines	Dana Point
Benjamin Zdeba	Newport Beach
Chris Chung	Garden Grove
Chris Flynn	DOT
Chris Schaefer	Fullerton
Christopher Wright	San Clemente
Daniel Kesicbasian	Laguna Niguel
David Suls	WSP
Deborah Diep	CDR
Derek Bingham	Rancho Santa Margarita
Derek Ouyang	Consultant
Elaine Lister	Mission Viejo
Eric Joseph	CP&A
Irene Hou	DOT
Jennifer Savage	Laguna Beach
Jorge Nozot	WSP
Justin Equina	Irvine
Kendra Chandler	ULI
Kevin Kane	SCAG
Kori Sanders	Cypress
Lisa Telles	Consultant
Marnie Primmer	OCCOG



Technical Advisory Committee August 1, 2023

Orange County Council of Governments

Mike Killebrew	Irvine
Robert Garcia	Orange
Rose Rivera	Aliso Viejo
Ron Santos	Lake Forest
Rubaiya Zuman	CDR
Sonya Lui	Whittier
Tara Lake	WSP
Tiffany Lin	Irvine
Tom Vo	SCAG
Vanessa Quiroz	La Habra
Virginia Gomez	TCA
Ying Zhou	SCAG
Yuritzy Randle	County of Orange



AGENDA ITEM # 2 Center for Demographic Research (CDR) Updates

STAFF RECOMMENDATION

Receive reports and discussion.

1. 2023 January-June Housing Inventory System (HIS) Data Collection

January 1–June 30, 2023 HIS data was due Friday, July 21, 2023.

Please submit data to CDR using the HIS form located at <http://www.fullerton.edu/cdr/HISform.xls>. Please verify that the same data reported to CDR is also provided to DOF in their annual Housing Unit Change Survey. HIS submission forms were updated in 2023 to reflect changes to DOF’s annual reporting instructions; where attached/connected ADUs are created, jurisdictions are no longer required to submit “paired activity records” converting the primary housing structure to a multi-family unit.

For HIS questions, please contact Paul Lewis, CDR’s Demographic Analyst at 657-278-3417 or palewis@fullerton.edu.

2. State Department of Finance January 1 Estimates E-5, May 2023 Revisions

As a follow up to the May 2023 OCCOG TAC meeting, DOF released their annual estimates for January 1 for years 2020-2023. **Important Note:** DOF made adjustments to the 2020 Census totals for cities, thus DOF’S April 1, 2020 city totals will not match the 2020 Census counts; however, the county-level total for is consistent with the 2020 Census.

3. Orange County GIS Attached Housing Database

CDR is building a GIS database of attached housing (townhomes, apartments & condos) complexes and unit counts within Orange County utilizing existing information, aerial photos, HIS and other sources (e.g., Anaheim’s residential parcels, Irvine’s residential inventory, Newport Beach’s residential footprints). This information will be used for CDR’s internal use to disaggregate and verify the 2020 Decennial Census housing unit counts by type and American Community Survey data. If any jurisdiction has a GIS database or inventory (e.g., Excel database) of HOAs, townhomes, apartments and/or condo complexes within their jurisdiction, please send the information to Jeff Lewis, CDR GIS Analyst, at jeffplewis@fullerton.edu. If desired, jurisdictions may request a copy of the GIS database for their uses. Information needed: complex name, address, number of units.

4. Orange County Data Acquisition Partnership (OCDAP)

OCDAP Cycle 2 signups will continue through June 2024; costs are not be prorated. Instructions on how to sign up via the Cycle 2 Participation Agreement (PA) can be downloaded at http://www.fullerton.edu/cdr/OCDAP/OCDAP_Documents_Products.aspx. Email the electronically-signed PA PDF document to Marnie Primmer at marnie@occog.com.

Imagery and access to the online portal is being delivered to Active members; project lead/deliverables contact: Cameron Smith, County GIS Manager Cameron.Smith@ocpw.ocgov.com. Active= both signed PA and payment received by OCCOG. For documents, current member status, and more information, please visit the OCDAP website at <http://www.fullerton.edu/cdr/OCDAP/index.aspx>.



STAFF REPORT August 1, 2023

Orange County Council of Governments

RFP preparation for Cycle 3's imagery capture in early summer 2024 is underway. Those interested in Cycle 3 (FY2024/25-2025/26) can contact Deborah Diep at ddiep@fullerton.edu.

Agency	Date Agency signed PA	Date PA Emailed back to Agency with OCCOG signature	Cycle 2	Date Paid	Cycle 2 Status	Cycle 3 Interest?
Anaheim	10/26/2022	4/27/2023	\$6,500.00	1/6/2023	Active	
Brea	11/8/2022	4/27/2023	\$3,000.00	12/15/2022	Active	
Buena Park	11/17/2022	11/17/2022	\$3,000.00	12/19/2022	Active	
Costa Mesa			\$3,000.00			
Dana Point			\$3,000.00			
Fountain Valley			\$3,000.00	11/23/2022	Pending PA	
Garden Grove		11/4/2022	\$3,000.00	12/15/2022	Active	
Laguna Beach	4/4/2023	5/5/2023	\$3,000.00	12/29/2022	Active	
Laguna Hills	11/16/2022	3/30/2023	\$3,000.00	5/5/2023	Active	
Laguna Niguel	11/14/2022	1/5/2023	\$3,000.00	12/15/2022	Active	
La Habra			\$3,000.00	12/7/2022	Pending PA	
Lake Forest	11/12/2022	12/1/2022	\$3,000.00	1/15/2023	Active	
Los Alamitos			\$3,000.00	12/15/2022	Pending PA	
Mission Viejo	6/13/2023	6/13/2023	\$3,000.00	12/7/2022	Active	
Newport Beach	1/11/2023	2/1/2023	\$3,000.00	12/19/2022	Active	
Orange	8/30/2022	8/30/2022	\$5,000.00	10/14/2022	Active	
Placentia	12/14/2022	12/15/2022	\$3,000.00		Active	
San Clemente	2/10/2023	2/10/2023	\$3,000.00	12/7/2022	Active	
San Juan Capistrano	3/13/2023	3/13/2023	\$3,000.00	12/7/2022	Active	
Santa Ana	11/21/2022	11/30/2022	\$6,500.00	12/7/2022	Active	
Seal Beach			\$3,000.00			
Tustin	4/4/2023	4/5/2023	\$3,000.00	12/19/2022	Active	
Yorba Linda	11/18/2022	4/27/2023	\$3,000.00	12/19/2022	Active	Yes
MWDOC		11/16/2022	\$53,000.00	1/15/2023	Active	Yes
OCCOG		MOU w/ County	\$20,000.00	3/3/2023	Active	Yes
OCFA	10/27/2022	4/27/2023	\$58,702.00	1/15/2023	Active	Yes
County of Orange	MOU w/ OCCOG		\$20,000.00	paid	Active	Yes

STAFF CONTACTS

Contact: Ms. Deborah Diep, Director, Center for Demographic Research
657/278-4596 ddiep@fullerton.edu

Employment data: Ms. Ruby Zaman, Assistant Director, CDR
657/278-4709 ruzaman@fullerton.edu

For GIS: Mr. Jeff Lewis, GIS Analyst, CDR
657-278-4670 jeffplewis@fullerton.edu

For HIS: Mr. Paul Lewis, Demographic Analyst, CDR
657-278-3417 palewis@fullerton.edu



AGENDA ITEM # 3 SCAG Meeting Update

STAFF RECOMMENDATION

Receive reports and discussion.

Technical Working Group

On July 20th, SCAG held their Technical Working Group meeting. During the meeting, they discussed the Connect SoCal 2024 Performance measures. The types of performance measures which support the implementation of Connect SoCal are the Plan Assessment Performance Measures, Ongoing Monitoring Performance Measures, and other statutory requirements.

The Plan Assessment Performance Measures evaluate how well the regional transportation system is expected to perform in 2050 relative to Connect SoCal goals. The Ongoing Monitoring Performance Measures monitor regional performance trends over time to understand which investments and strategies are proving successful in meeting specific regional goals.

SCAG Staff also noted that Connect SoCal's PEIR will be released in Fall. More information about the TWG can be found in the attached TWG agenda.

SoCal Greenprint TAC

SCAG is in the process of developing the SoCal Greenprint, a web-mapping application to help users make data-driven land use and transportation infrastructure decisions and support conservation investments.

As part of this process, SCAG staff developed a TAC to advise staff on the development of data policies, data selection criteria, and parameters for the tool. The TAC input will inform SCAG staff as they update the framework to ensure the SoCal Greenprint tool aligns with advanced mitigation opportunities and fulfillment of Connect SoCal 2020 and its associated PEIR mitigation measures. The updated framework will then be presented to the EEC and the RC for their review and approval.

On July 26th, SCAG held their first SoCal Greenprint TAC. The first meeting included a staff presentation on the project background, RAMP overview, Greenprint overviews, and data policy recommendations. Specific items discussed in the meeting included the following:

- Understanding the key users of this tool
- Clarifying the role of the TAC and how their input would be carried forward
- Incorporating acknowledgement language to emphasize the tool is non-regulatory
- Incorporating data sets sponsored by a regulatory agency (e.g. county or city)
- Data set recommendations

The next SoCal Greenprint TAC will be held on August 28th from 9:30 a.m. – 12:30 p.m.

Attachments:

1. SCAG's TWG Agenda Packet
2. SCAG's SoCal Greenprint TAC Agenda Packet



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ASSOCIATION OF GOVERNMENTS
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Energy & Environment
Deborah Robertson, Rialto

Transportation
Tim Sandoval, Pomona

MEETING OF THE

TECHNICAL
WORKING GROUP

Thursday, July 20, 2023
10:00 a.m. – 12:00 p.m.

SCAG OFFICES

900 Wilshire Blvd., Ste. 1700
Los Angeles, CA 90017
(213) 236-1800

JOIN ZOOM MEETING

[HTTPS://SCAG.ZOOM.US/J/142774637](https://scag.zoom.us/j/142774637)

OR

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MEETING ID: 142 774 637

If members of the public wish to review the attachments or have any questions on any of the agenda items, please contact Kevin Kane at (213) 236-1828 or via email at kane@scag.ca.gov. Agendas & Minutes for the Technical Working Group are also available at: <https://scag.ca.gov/technical-working-group>

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation in order 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) 630-1402. 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.

- 1. Connect SoCal 2024 Development General Update**
Sarah Dominguez
20 minutes
[Packet page 5](#)
- 2. Model Peer Review Recap**
Bayarmaa Alexsandr
15 minutes
[Packet page 18](#)
- 3. Connect SoCal 2024 Performance Measures**
Mike Gainor
15 minutes
[Packet page 26](#)
- 4. Connect SoCal 2024 Equity Analysis Update**
Annaleigh Ekman
30 Minutes
[Packet page 33](#)
- 5. Connect SoCal 2024 Work from Home Assumptions**
Kevin Kane
15 Minutes
[Packet page 40](#)
- 6. Connect SoCal 2024 PEIR: Status Update on Additional Stakeholder Outreach & Preliminary Outline of Draft Contents**
Karen Calderon
5 Minutes
[Verbal update only](#)
- 7. SoCal Greenprint TAC update**
Kimberly Clark
5 Minutes
[Verbal update only](#)



TECHNICAL WORKING GROUP

Meeting Minutes (Abridged)

May 18, 2023

10 a.m. – 12 p.m.

The meeting was held via Zoom teleconferencing.

Membership Attendance

LAND USE AUTHORITIES

Brekke, Kendall	City of Lancaster	Lin, Tiffany	City of Irvine
Gable, Emily	City of Los Angeles	Murray, David	City of Riverside
Hogan, Larissa	City of Culver City	Pallini-Tipton, Conni	City of Los Angeles
Lauffer, Amanda	City of Anaheim	Vander Hyde, Candice	City of Lancaster

REGIONAL PARTNERS

Brooks, Caitlin	VCTC	Lee, Josh	SBCTA/SBCCOG
Garfio, Angel	OCTA	Tso, Kristin	OCTA
Huddleston, Lori	LA Metro		

REGULATORY & COORDINATING AGENCIES

Lugaro, Julie	Caltrans – D12
Miranda, Jude	Caltrans – D12

FIELD EXPERTS

Zaman, Ruby	CDR/CSUF
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ALTERNATES & PUBLIC ATTENDEES

Aranguri, Cesar	Indigenous Ark Urban Technologies
Baker, Wally	Jobs 1 st Alliance
Flocks, Violet	Southwest Mountain States Regional Council of Carpenters / ULI
Hoenshell, Shawn	–
McCarthy, Mike	R-NOW
Pena, Tari	–
Singer, Nathaniel	–
Spindler-Ruiz, Pedro	AECOM



TECHNICAL WORKING GROUP

Meeting Summary

1. AB 2334 TECHNICAL ASSISTANCE

Tom Vo presented on AB 2334 technical assistance that SCAG is providing to local and regional partners. The presentation included an overview of AB 2334, publicly available tools and data, and SCAG next steps. Participants provided no comment or questions.

2. JOB QUALITY INDEX

Gigi Moreno provided an economic update with a focus on the SCAG Job Quality Index. The update included an overview of the job quality index, its purpose and value, and outreach efforts to gather feedback. Several participants provided comments and questions for discussion: Mike McCarthy (R-NOW, nonmember), Pedro Spindler-Ruiz (nonmember), Violet Flocks (Southwest Mountain States Regional Council of Carpenters, nonmember), and Wally Baker (Jobs 1st Alliance, nonmember).

3. CONNECT SOCAL 2024 – LDX SURVEY RESULTS

Sarah Dominguez presented the results from the Local Data Exchange (LDX) Survey conducted last year. The presentation included an overview of the survey, response rate by county, specific responses relating to Land Use and Housing, Transportation, and Barriers, as well as next steps. Ruby Zaman (CDR/CSUF), Mike McCarthy, and Emily Gable (City of Los Angeles) participated in discussion.

4. RHNA REFORM UPDATE

David Kyobe provided a quick update on the Regional Housing Needs Allocation (RHNA) Reform Timeline, including the kickoff and deadline of SCAG's RHNA outreach on draft recommendations. No comments or questions were provided.

THE 2024 REGIONAL TRANSPORTATION PLAN/SUSTAINABLE COMMUNITIES STRATEGY
OF THE SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS



Sarah Dominguez
Planning Supervisor
July 20, 2023

1

Outreach Summary

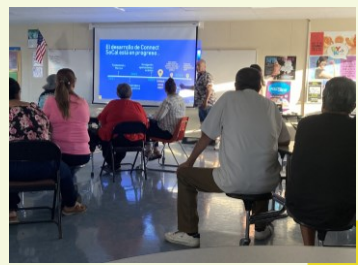
Spring 2023

2

Outreach Activities



- 20 in-person workshops
- 7 virtual workshops
- 20 Pop-Up and Street Team Engagements
- 15 Community Partners
- Regionwide advertising campaign
- Resulting in over 3,600 surveys collected



3

What We Heard: Survey



When you think about the **challenges** our region faces, please choose three (3) that are most important to you.

Shortage of affordable and diverse housing options (51%)

Limited reliable travel options besides driving to everyday destinations (37%)

Climate change impacts (33%)

4

What We Heard: Survey



When you **envision our region in 2050**, which three (3) choices best describes what you'd like to see?

**Healthy for all people
to live in (53%)**

**Prosperous, with
economic opportunity
for all residents (46%)**

**Safe for all modes of
travel (39%)**

5

What We Heard: Community Partnerships



Limited transportation options and the housing affordability affect quality of life, particularly in historically disinvested areas.

Infrastructure improvements should be coupled with direct benefits and protections for residents/small businesses at risk of displacement.

Desire for continued engagement with community partners on Connect SoCal implementation including updates on strategies and performance metrics.

6

Policy Framework

July 2023 Update

7

Policy Development Framework Background



- First adopted by the Regional Council on June 2, 2022
- Documented draft vision and goals
- Outlined policy priorities from Connect SoCal 2020, recent Regional Council actions, and emerging issues
- Established the special subcommittees
- **Regional Council adopted the updated Policy Framework with Regional Planning Policies on July 6, 2023**



8

Regional Planning Policies



What is included in the Regional Planning Policies?

- Priorities established with the *Core Vision* of Connect SoCal 2020
- Policy direction from SCAG's Policy Committees since 2020 and recommendations from Connect SoCal 2024 special subcommittees

What is the purpose?

- Articulate broad and established regional policies to achieve goals and realize the regional vision of Connect SoCal 2024
- Provide a resource for transportation agencies or local jurisdictions to demonstrate alignment with RTP/SCS when seeking funding from state or federal programs

9

Updated Draft Vision & Goals



Draft Vision: A healthy, accessible, and connected region for a more resilient and equitable future.

1. Build and maintain a robust transportation network. (MOBILITY)
2. Develop, connect, and sustain communities that are livable and thriving. (COMMUNITIES)
3. Create a healthy region for the people of today and tomorrow. (ENVIRONMENT)
4. Support a sustainable, efficient, and productive regional economic environment that provides opportunities for all. (ECONOMY)



10

Updated Draft Vision & Goals



Draft Vision: A healthy, prosperous, accessible and connected region for a more resilient and equitable future.

1. Build and maintain a robust transportation network. (MOBILITY)
2. Develop, connect, and sustain communities that are livable and thriving. (COMMUNITIES)
3. Create a healthy region for the people of today and tomorrow. (ENVIRONMENT)
4. Support a sustainable, efficient, and productive regional economic environment that provides opportunities for all. (ECONOMY)



11

Updated Draft Vision & Goals



Draft Vision: A healthy, prosperous, accessible and connected region for a more resilient and equitable future.

3. Create a healthy region for the people of today and tomorrow. (ENVIRONMENT)
 - Develop communities that are resilient and can mitigate, adapt to, and respond to chronic acute stressors and disruptors such as climate change.
 - Integrate the region's development pattern and transportation network to improve air quality, reduce greenhouse gas emissions **and enable more sustainable use of energy and water.**
 - Conserve the restore the region's natural agricultural resources.



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Policy Categories by Goal



MOBILITY

- System Preservation
- Complete Streets
- Transit & Multimodal Integration
- Transportation Demand Management
- Transportation System Management
- Technology Integration*
- Safety
- Funding the System/User Fees

ENVIRONMENT

- Sustainable Development
- Air Quality & Clean Technology
- Natural & Working Lands Preservation
- Climate Resilience*

COMMUNITIES

- 15 Minute Communities *
- Housing the Region *
- Priority Development Areas
- Equitable Engagement & Decision-Making*

ECONOMY

- Goods Movement
- Broadband *
- Universal Basic Mobility*
- Workforce Development*
- Tourism

**New policy area for Connect SoCal 2024*

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Mobility Examples

Draft Regional Planning Policies



- **Transportation Demand Management:** Encourage the development of transportation projects that provide convenient, cost-effective and safe alternatives to single-occupancy vehicle travel (e.g., trips made by foot, on bikes, via transit, etc.).
- **Transportation System Management:** Pursue efficient use of the transportation system using a set of operational improvement strategies that maintain the performance of the existing transportation system instead of adding roadway capacity.
- ***Technology Integration:** Support the implementation of technology designed to provide equal access to mobility, employment and economic opportunity, education, health and other quality of life opportunities for all residents within the SCAG region.

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Mobility Examples

Draft Regional Planning Policies



- **System Preservation and Resilience:** Prioritize repair, maintenance, and preservation of the SCAG region's existing transportation assets first, following a "Fix-It-First" principle.
- **Complete Streets:** Pursue the development of complete streets that comprise a safe multi-modal network with flexible use of public rights-of-way for people of all ages and abilities using a variety of modes (e.g., people walking, biking, rolling, driving, taking transit).

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Mobility Examples

Draft Regional Planning Policies



- **Transit Multimodal Integration:** Encourage and support the implementation of projects both physical and digital that facilitate multimodal connectivity, prioritize transit and shared mobility, and result in improved mobility, accessibility, and safety.
- **Safety:** Eliminate transportation-related fatalities and serious injuries on the regional multimodal transportation system.
- **Funding the System/User Pricing:** Promote stability and sustainability for core state and federal transportation funding sources.

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Communities Examples

Draft Regional Planning Policies



- **Priority Development Areas:** Foster growth within the Forecasted Regional Development Pattern of Connect SoCal 2024 by prioritizing policies that encourage housing and employment in Priority Development Areas.
- ***Housing the Region:** Encourage housing development in areas with access to important resources (economic, educational, health, social, and similar) and amenities to further fair housing access and equity across the region.

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Communities Examples

Draft Regional Planning Policies



- ***15 Minute Communities:** Promote 15-minute communities as places with a mix of complementary land uses and accessible mobility options that align with and support the diversity of places (or communities) across the region where residents can either access most basic, day-to-day needs within a 15-minute walk, bike ride, or roll from their home or as places that result in fewer and shorter trips because of the proximity of complementary land uses.
- ***Equitable Engagement and Decision-Making:** Advance community-centered interventions, resources, and programming that serve the most disadvantaged communities and people in the region, like Priority Equity Communities, with strategies that can be implemented in the short-to-long-term.

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Environment Examples

Draft Regional Planning Policies



- **Sustainable Development:** Promote sustainable development and best practices that enhance resource conservation, reduce resource consumption, and promote resilience.
- **Air Quality:** Reduce hazardous air pollutants and greenhouse gas emissions and improve the air quality throughout the region through planning and implementation efforts.
- **Clean Transportation:** Accelerate the deployment of a zero-emission transportation system and use near-zero emission technology to offer short term benefits where zero emissions solutions are not yet feasible or commercially viable.

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Environment Examples

Draft Regional Planning Policies



- **Natural and Agricultural Land Preservation:** Prioritize the climate mitigation, adaptation, resilience, and economic benefits of natural and agricultural lands in the region.
- ***Climate Resilience:** Prioritize the most vulnerable populations and communities subject to climate hazards to help the people, places, and infrastructure that are most at risk for climate change impacts, recognizing that disadvantaged communities are often overburdened.

20

Economy Examples

Draft Regional Planning Policies



- **Goods Movement:** Leverage and prioritize investments particularly where there are mutual co-benefits to both freight and passenger/commuter rail.
- ***Broadband:** Support ubiquitous regional broadband deployment and access, to provide the necessary infrastructure and capability for Smart Cities strategies and to ensure that the benefits of these strategies improve safety and are distributed equitably.
- ***Universal Basic Mobility:** Encourage partnerships and policies to broaden safe and efficient access to a range of mobility services to improve connections to jobs, education, and basic services.

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Economy Examples

Draft Regional Planning Policies



- ***Workforce Development:** Foster a positive business climate by promoting regional collaboration in workforce and economic development between cities, counties, educational institutions, and employers.
- **Tourism:** Consult and collaborate with state, county, and local agencies within the region charged with promoting tourism and transportation.

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Stakeholder Engagement and Feedback



- **April 2023:** SCAG shared draft Regional Planning Policies and solicited feedback from several stakeholder groups:
 - County Transportation Council (**CTC**) Planning Directors
 - Subregional Executive Directors
 - SCAG's Regional Planning Working Groups (**RPWG**)
 - Technical Working Group (**TWG**)
 - Regional Transit Technical Advisory Committee (**RTTAC**)
 - Global Land Use & Economic (**GLUE**) Council



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Next Steps



**SPRING
2023**

- Public Outreach
- Draft Regional Planning Policies development

NOW

- Policy Framework Update with:
 - Updated Draft Vision and Goals
 - Revised Regional Planning Policies

**THROUGH
SUMMER
2023**

- Plan Modeling & Data Analysis
- Incorporate feedback into:
 - Draft Implementation Strategies
 - Technical Reports

FALL 2023

- **Draft release of Connect SoCal 2024 in October**

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Questions? Comments?

FOR MORE INFORMATION, PLEASE VISIT
SCAG.CA.GOV/CONNECT-SOCAL



SCAG ABM Peer Review



SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

1

1

SCAG Peer Review RTP/SCS 2024



Background

- Model Peer Review procedure is recommended by RTP Guideline from California Transportation Commission (CTC)
- The purpose is to ensure that SCAG regional travel demand model (SCAG ABM) aligns with current state of practice and can effectively support SCAG's various planning functions and analysis
- Peer review panel – experts from federal, state, MPOs, academic and professional
- Peer review covers various aspects - model framework, performance, 2019 base year validation, and sensitivity to policies and strategies
- Suggestion and recommendations proposed by the panel members are used for future model improvements

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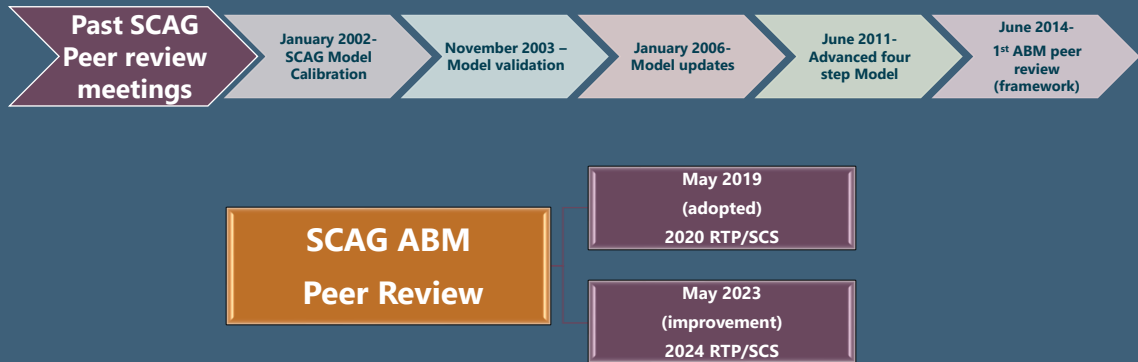
July 20, 2023



2

2

SCAG Peer Review



3

SCAG Peer Review RTP/SCS 2024

Overview

SCAG ABM was developed and used for 2020 RTP/SCS. The model has been updated since initial development. SCAG ABM model improvement for 2024 RTP/SCS includes model estimation using the most recent data, 2019 base year model calibration and validation, and new sub-models development.

- Refining & re-estimating coefficients for existing sub-models using the latest data
- Adding two new sub-models for future planning policy analyses
- Calibration and validation- utilizing local target metrics
- Software improvements-run time, code optimization and upgrade
- Incorporate emerging technologies –TNC
- Update- Heavy duty truck model
- Update- SED, network other inputs (AOC, WFH)

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Peer Review Panel

Name	Title	Organization
Guy Rousseau (Chair)	Modeling Manager	Atlanta Regional Commission
Anthony Catalina	Senior Director, Countywide Planning	LA Metro
Brian Gardner	System Planning and Analysis Team Lead	Federal Highway Administration
Konstadinos Goulias	Professor of Transportation	UCSB
Nesamani Kalandiyur	Manager, Transportation Analysis Section	CARB
Wu Sun	Manager of Regional Models	SANDAG
Mike Wallace	Principal	Fehr & Peers

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Charge to the Panel

- Review model documentation and provide recommendations intended to improve and/or demonstrate the performance of the model for regional analysis.
- Provide recommendations on future modeling directions and possible future model enhancements.
- Assess adequacy of the SCAG travel demand model

6



Agenda

8:30am -8:55am Breakfast/ Networking

8:55am Welcome
Sarah Jepson- Chief Planning Officer

9:00-9:20 Introduction, Charge to Panel Chair

9:20 am- 9:35 am
SCAG overview

9:35 am- 9:55 am
SCAG ABM Model

9:55 am- 10:40 am
Model Improvement and Enhancement

10:45 am- 10:50 am Break

10:50 am- 11:40 am
Calibration and Validation
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

11:40 am- 12:00 pm Break/Lunch

12:00 pm- 12:45 pm
Model Sensitivity Tests (Working lunch)

12:45 pm- 12:55 pm Break

12:55 pm- 2:00 pm
Open Discussion

2:00 pm- 3:40 pm
Panel Discussion

3:40 pm- 3:50 pm Break

3:50 pm- 4:20 pm
Panel Recommendation

4:20 pm- 4:30 pm
Wrap up

SCAG REGIONAL MODEL (ABM)

PEER REVIEW MEETING

Wednesday, May 10, 2020
8:30 a.m. – 4:30 p.m.

SCAG OFFICES
Policy Room A & B
900 Wilshire Blvd., Ste. 1700
Los Angeles, CA 90017
(213) 236-1800
#

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2023 Transportation Modeling Peer Review

A Peer Review of the Southern California Association of Governments (SCAG) Regional Travel Demand Model

Final Report

An in-person peer review of the travel demand modeling process used to develop the SCAG Region’s Transportation Improvement Program (TIP) and Regional Transportation Plan (RTP) was held at SCAG’s office on May 10, 2023. The review was conducted at the request of SCAG to evaluate their current activity-based model, and to provide recommendations pertaining to future model development efforts.

The peer review of the SCAG transportation modeling process featured a panel consisting of two transportation modelers from other Metropolitan Planning Organizations (MPOs) somewhat comparable in size to SCAG, an academic transportation modeler, a transportation modeling

8

Positive Highlights of the SCAG Model

- Very well qualified modeling staff and consultants
- ABM is up and running for a very large region
- Aggressive and flexible in exploring data options
 - Quick response tool for the cordon model and external stations
- Validation results have improved since last peer review
- Sensitivity testing is very informative
- Leverage DMV data is a great initiative
- Trying to reflect and capture telemedicine, work-from-home, etc.

Positive highlights of the SCAG model

- Work location model is more representative
- School location model has also improved
- New mode choice model including TNCs is a great work in progress
- Model run-time has decreased
- Follow CARB guidelines for sensitivity testing
- New sub-models trip departure time choice have improved, to remove illogical mode switching, activities with negative trip duration have been removed
- Single TDM reduction factor has improved with work-from-home

Short Term Recommendations

- Travel market segmentation documentation
- Better document the ABM and ancillary models
- Mode shift between rail and trucks in freight model
- More transit validation by corridors and sub-areas
- Daily VMT by facility type
- Sensitivity testing around population and employment, as well as emerging technologies, and all pricing policies (parking, etc.)
- Better documentation on how the ABM is integrated with the land use model
- Coordination with Caltrans statewide travel demand model and adjacent MPO models (SANDAG, etc.)
- Compare model trip tables with CTPP data for smaller geographies and market segments

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Long Term Recommendations

- Report work-from-home by industry / occupation
- Better define “Essential Workers” in the model
- All travel surveys need to be updated
- Employment patterns and change in the economy need to be better accounted for in the model, including flexible [work space](#)
- Feedback between the land use model and ABM
- Regional DTA: transit capacity and crowding levels on key corridors
- Regional DTA: macro-meso-micro hierarchy in scale, pseudo-DTA
- Explicit modeling of first-mile and last-mile deliveries
- EV and charging stations in ABM, vehicle type model
- Consider micro-zones to better model walk and bike trips
- Car-sharing micro-mobility

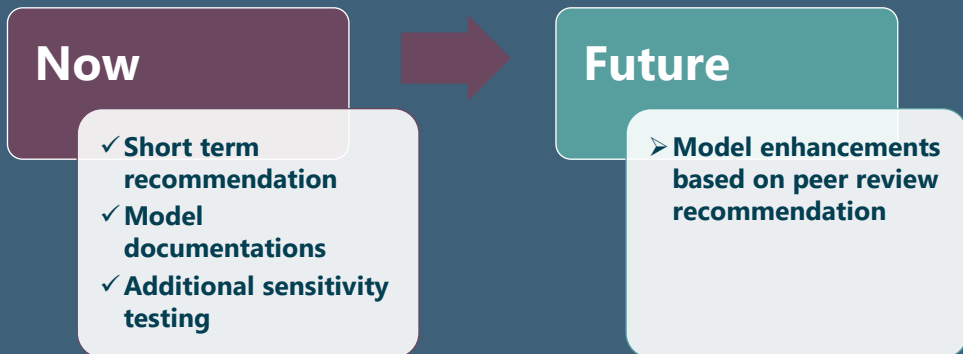
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Recommendation Summary

- SCAG ABM was praised for having a well-qualified modeling team and consultants, being up and running for a large region, and being aggressive and flexible in exploring data options
- Model also received praise for improved validation results since the last peer review, and informative, sensitivity testing
- The panel provided short -term and long –term recommendations
 - Short-term enhancements include model documentation and additional tests
 - Long-term enhancements include travel survey data collection, analysis for post-pandemic travel patterns, sub-model development for special generators, and new modes analysis such as EV and CAV.

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Next step



14



Thank you

Contact to Modeling and Forecasting:
ABM and Travel Data Program Lead- Bayarmaa Aleksandr aleksandr@scag.ca.gov



Connect SoCal 2024 Draft Performance Measures

Mike Gainor, Senior Regional Planner

WWW.SCAG.CA.GOV

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Connect SoCal 2024 Goals

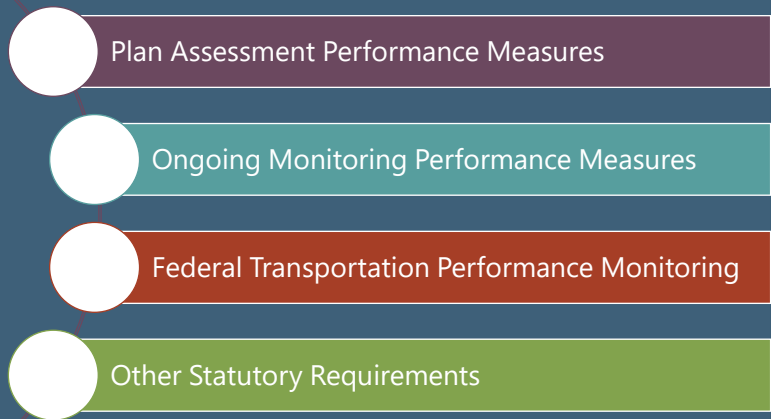
Connect SoCal is guided by four foundational regional goals as we move toward 2050:

Goal	Vision
Mobility	Build and maintain a robust transportation network.
Communities	Develop, connect, and sustain communities that are livable and thriving.
Environment	Create a healthy region for the people of today and tomorrow.
Economy	Support a sustainable, efficient, and productive regional economic environment that provides opportunities for all.

2

Connect SoCal Performance Measures

Types of performance measures to support development & implementation of Connect SoCal



3

Plan Performance Assessment Measures

- Plan assessment measures evaluate how well the regional transportation system will be expected to perform in 2050 relative to Connect SoCal goals.
- Quantitative measures are identified to evaluate plan performance under several sets of planning assumptions.
- Planning assumptions are input into SCAG models to project future (2050) regional performance relative to each modeled scenario.
- Scenarios based on comparative 'Base Year' representing existing regional conditions in 2019.

4

Plan Performance Assessment Measures

- The 'Baseline' projection forecasts 2050 regional conditions expected if Connect SoCal 2024 was not implemented.
- The 'Plan' scenario projects regional conditions in 2050 with the assumption that the program of regional multimodal transportation system improvement projects & strategies identified in Connect SoCal 2024 is fully implemented.
- SCAG models generate output relative to the plan measures to provide insight on how Connect SoCal impacts regional performance.

5

Plan Performance Assessment Measures

Performance Measure	Connect SoCal Goal
Average Trip Distance	Mobility
Average Travel Time	Mobility
Travel Time Distribution by Mode	Mobility
Travel Mode Share	Mobility
Person Hours of Delay by Facility Type	Mobility
Person-Delay per capita	Mobility
Truck Delay by Facility Type	Mobility
Access to Jobs	Mobility
Major Destination Accessibility	Mobility
Transit Boardings per capita	Mobility
Percent of Trips Less than 3 Miles	Communities
Physical Activity-Related Public Health Incidence & Costs	Communities
Air Pollution-Related Public Health Incidence & Costs	Communities
Park Accessibility	Communities
Share of Household Growth in PDAs	Communities

6

Plan Performance Assessment Measures

Performance Measure	Connect SoCal Goal
Vehicle Miles Traveled (VMT) per capita	Environment
Greenhouse Gas (GHG) Emissions	Environment
Land Conversion to Urban Purposes	Environment
Energy Consumption	Environment
Water Consumption	Environment
Criteria Air Pollutant Emissions *	Environment
New Jobs Due to Transportation System Investments	Economy
New Jobs Due to Improved Economic Competitiveness	Economy
Transportation System Investment Benefit/Cost Ratio	Economy
Share of Employment Growth in PDAs	Economy

* Federal performance measure

7

On-going Regional Monitoring Measures

- In addition to the plan assessment measures, SCAG develops a separate set of performance metrics to monitor progress being made over time toward achieving Connect SoCal goals.
- The monitoring of regional performance trends over time is key to understanding which investments & strategies are proving successful in meeting specific regional goals.
- An effective on-going monitoring program serves to inform & support future regional & local planning efforts & investments.

8

On-going Regional Monitoring Measures

- A total of 33 performance measures have been identified for the on-going regional monitoring program, 10 are new for Connect SoCal 2024.
- The on-going measures are correlated to the four Connect SoCal goal areas to ensure that progress toward achievement of regional objectives may be effectively monitored over time.
- The one-to-one correspondence is not exclusive, as many of the performance measures serve multiple regional goals.

9

On-going Regional Monitoring Measures

- Measures supportive of the Connect SoCal 'Mobility' goal relate to the efficiency of the regional multimodal transportation system for connecting people & freight to desired destinations.
- Mobility performance metrics include transportation infrastructure condition, system safety, multimodal options, & travel time reliability.
- The Mobility outcome is supported by 16 on-going regional performance measures.

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On-going Regional Monitoring Measures

Performance Measure	Connect SoCal Goal
Average Travel Time	Mobility
Commuter Travel Mode Share	Mobility
Active Transportation Mode Share	Mobility
Local Roads Pavement Condition	Mobility
Transit Boardings per capita	Mobility
Transit Seat Utilization	Mobility
Percent of Reliable Person-Miles Traveled on the NHS *	Mobility
Annual Hours of Peak Hour Excessive Delay per capita *	Mobility
National Highway System (NHS) Bridge Condition *	Mobility
National Highway System (NHS) Pavement Condition *	Mobility
Number & Rate of Collision-Related Fatalities *	Mobility
Number & Rate of Collision-Related Serious Injuries *	Mobility
Number of Active Transportation Fatalities & Serious Injuries *	Mobility
Transit Equipment, Rolling Stock, Infrastructure, & Facility Condition *	Mobility
Transit System Fatalities, Injuries, Safety Events, & System Reliability *	Mobility
Managed Lanes Utilization **	Mobility

* Federal performance measure

** New measure for Connect SoCal 2024

11

On-going Regional Monitoring Measures

- The 'Communities' goal is supported by on-going performance measures related to housing & public health (7 measures).
- Measures associated with the Connect SoCal 'Environment' goal focus on air quality, climate resilience, & land/habitat preservation (7 measures).
- The 'Economy' goal is supported by measures related to employment opportunities & freight movement (3 measures).

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On-going Regional Monitoring Measures

Performance Measure	Connect SoCal Goal
Housing Cost Burden	Communities
Asthma Incidence & Exacerbation	Communities
Percent of Residents within 1/2 Mile Walk to Open Space	Communities
Number of Park Acres per 1,000 Residents	Communities
Households Located Near High-Volume Roadways	Communities
Housing Vulnerable to Environmental Impacts **	Communities
Accessory Dwelling Unit (ADU) Development **	Communities
Vehicle Miles Traveled (VMT) per capita	Environment
Air Quality by Air Basin	Environment
Percent of Population in Climate Risk Areas **	Environment
Urban Heat Island Reduction Strategies **	Environment
Habitat Connectivity Investments **	Environment
Nature-based Mitigation Programs **	Environment
Williamson Act Contract Acres Impacted **	Environment
Percent of Interstate Mileage Providing Reliable Truck Travel Time *	Economy
Unemployment Rate **	Economy
Employment **	Economy

* Federal performance measure

** New measure for Connect SoCal 2024

13

Connect SoCal Performance Measures

THANK YOU!

Mike Gainor
 Senior Regional Planner
gainor@scag.ca.gov

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2

Connect SoCal Survey



Transportation Equity Issues		Regional Equity Issues	
Fast, frequent and reliable transit and transportation options	59%	Housing affordability	64%
Safe streets for bicyclists and pedestrians	57%	Air quality	38%
Access to everyday destinations	53%	Economic opportunities	32%
Transportation affordability	31%	Clean water	31%
Freight and goods movement impacts	24%	Workforce development and pathways to good jobs	29%
Access to zero emission vehicles and charging infrastructure	20%	Housing not near jobs	25%
Distribution of transportation investments	14%	Resilience and climate vulnerability	23%
Transportation noise impacts	14%	Gentrification and displacement	21%
Other	5%	Access to broadband/internet	12%
		Other	5%

3

Key Themes in Feedback



4

Equity Performance Measures

5

Equity Performance Measures



Economy

- Geographic Distribution of Transportation Investments
- Investments vs. Benefits
- Revenue Sources In Terms of Tax Burdens
- Impacts from Mileage-Based User Fee

Communities

- Jobs-Housing Imbalance
- Neighborhood Change and Displacement
- Rail-Related Impacts

Mobility

- Share of Transportation System Usage
- Travel Time and Travel Distance Savings
- Access to Everyday Destinations
- Bicycle and Pedestrian Collisions

Environment

- Resilience and Climate Vulnerabilities
- Emissions Impacts Analysis
- Noise Impacts

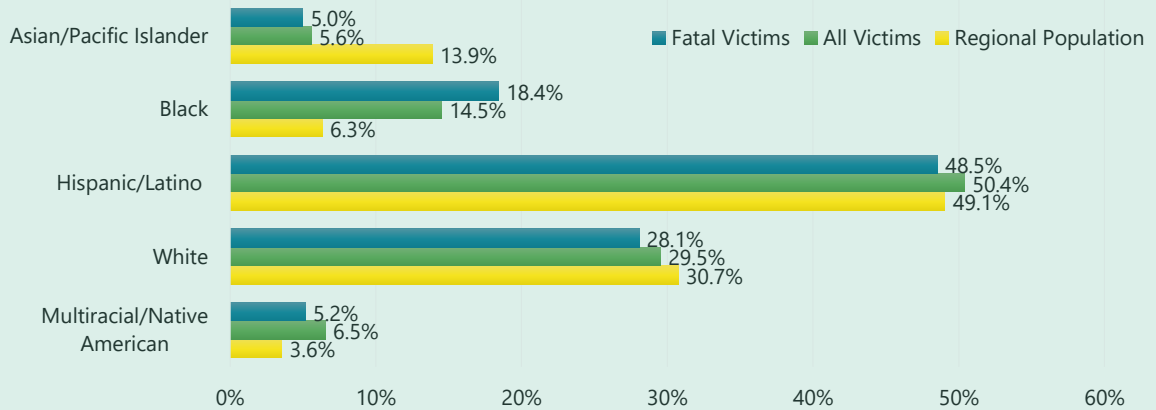
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Equity Performance Measures

Bicycle and Pedestrian Collisions



Bicyclist and Pedestrian Injuries and Fatalities by Race/Ethnicity



Source: Statewide Integrated Traffic Records System (2021), American Communities Survey (2017-2021)

7

Equity Performance Measures

Neighborhood Change and Displacement



Gentrifying Neighborhoods

- Targeting early signs of neighborhood change
- Low-income neighborhoods experiencing substantial in-migration of college-educated individuals

Eviction Filings

- Comparing the prevalence of filings in gentrifying neighborhoods and the region

8

Equity Performance Measures

Neighborhood Change and Displacement



Initial Take-Aways

- Gentrification is more pronounced in neighborhoods with a higher concentration of immigrants and renters as well as communities of color.
- Gentrification does not indicate higher risk of displacement.
- Gentrifying neighborhoods are becoming more culturally and racially diverse, calling for planning efforts that foster cultural diversity.

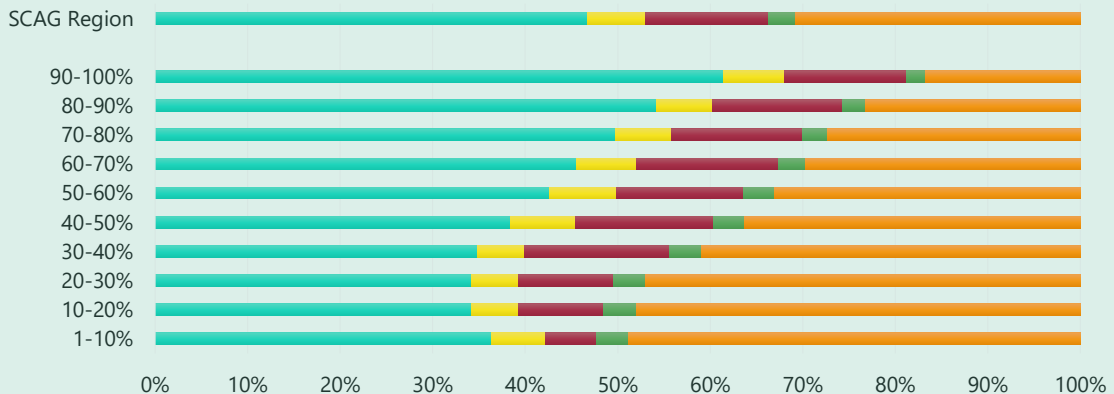
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Equity Performance Measures

Existing Conditions: CalEnviroScreen 4.0 Scores in SCAG Region



CalEnviroScreen 4.0 Pollution Burden Percentile by Race and Ethnicity in the SCAG Region



Source: CalEnviroScreen 4.0

Hispanic/Latino Black Asian Other White

10

Equity Performance Measures

Impacts from Mileage-Based User Fees



Case Studies using Transportation Equity Zones

- Adelanto – Victorville
- North Hills – El Segundo

Comparison between:

- Older Model Gasoline Powered Car
- Newer Model Gasoline Powered Car
- Electric Vehicle



11

Equity Performance Measures

Impacts from Mileage-Based User Fees



Initial Take-Aways

- EVs would see the greatest impact from the shift but may still cost less factoring in gasoline/charging prices.
- User Fee programs need to be designed with an equity lens to support low-income and underserved communities
- Mobility Innovations and Pricing Report (2021)



12

Questions? Comments?

FOR MORE INFORMATION, PLEASE VISIT
SCAG.CA.GOV/CONNECT-SOCAL





Connect SoCal 2024 Work-from-Home Assumptions

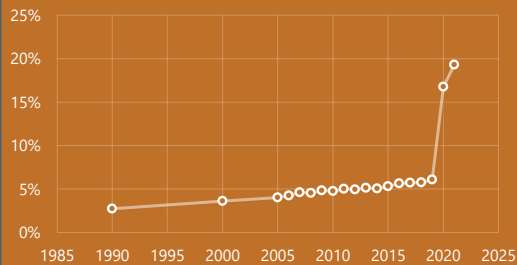
Kevin Kane, PhD
Program Manager, Demographics and Growth Vision
July 20, 2023
Technical Working Group

WWW.SCAG.CA.GOV

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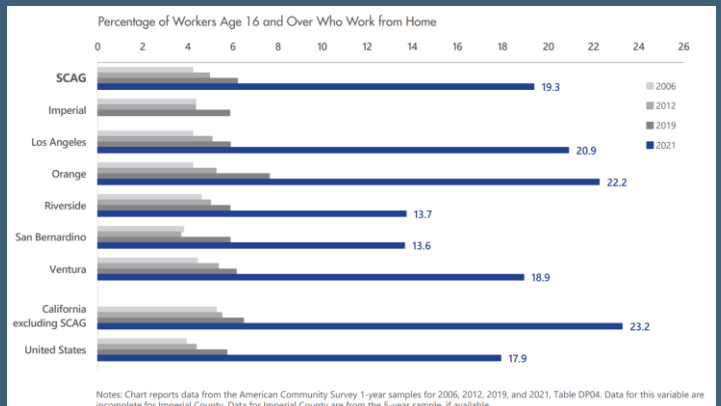
“Fully-remote work:” American Community Survey

SCAG REGION - % WORK AT HOME



2019 = 6.08%; 2021 = 19.3%

Source: ACS Means of Transportation to Work



Notes: Chart reports data from the American Community Survey 1-year samples for 2006, 2012, 2019, and 2021, Table DP04. Data for this variable are incomplete for Imperial County. Data for Imperial County are from the 5-year sample, if available.

Varies subregionally; by industry

2

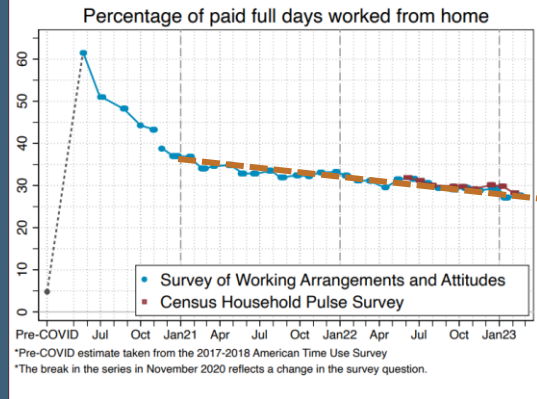
Remote + hybrid work: U.S. Survey of Working Arrangements and Attitudes (SWAA)

- Define work-from home (WfH) as **the total number or percent of the days worked at home.**

- SWAA: First half of 2023: 28.1% of workdays were at home

- SCAG region example:
 - 9M workers x 5 days/week = 45M workdays
 - 12.6M days at home (28.1%)
 - 32.4M days on-site (71.9%)

Days Worked from Home Are At 27% In Early 2023



Source: Barrero, Jose Maria, Nicholas Bloom, and Steven J. Davis, 2021. "Why working from home will stick," National Bureau of Economic Research Working Paper 28731. See www.wfhresearch.com

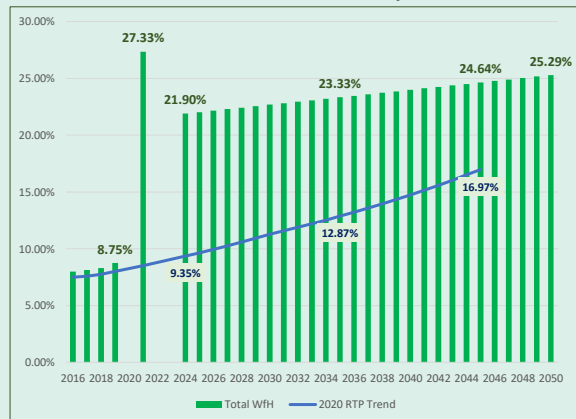
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Connect SoCal 2024 Work from Home Assumption



- Work from home (as % of avg weekday work trips) peaked in 2021 at 27.3% based on ACS and UC Davis data
- We estimate by 2024 WfH could stabilize at 21.9% based on UC Davis and SWAA data
- Green bars show our Connect SoCal "baseline" which increases to 25.3% by 2050, composed of:
 - Full-time remote workers, which grow according to past trend
 - Hybrid workers, which stay flat at 2024 levels
- Blue lines provide for comparison with 2020 RTP assumption

Draft Work from Home Assumptions



4

Additional Considerations for Connect SoCal

- Rebound effect*
 - Reduced commute opens up space in peoples' schedules (and on roadways)
 - Connect SoCal 2020 off-model strategy: 25 percent of commute savings reinvested into additional trips
 - UCLA ITS meta-analysis:
 - *"telecommuting has long been touted as a potential solution to chronic transportation problems like traffic congestion and vehicle emissions, but the research has consistently found that it is more likely to increase, rather than decrease, overall driving among remote workers."*
- Equity
 - Ability to WfH is highly correlated with industry and wage levels
- Resilience
 - Sustainable development—focus on complete communities and multiple travel options
- Next Steps
 - Complete model runs; draft plan release.

*See Speroni, S., & Taylor, B. D. (2023). *The Future of Working Away from Work and Daily Travel: A Research Synthesis*. <https://escholarship.org/uc/item/23v094gk>



SOUTHERN CALIFORNIA
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MEETING OF THE

**GREENPRINT
TECHNICAL ADVISORY
COMMITTEE**

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

Wednesday, July 26, 2023

2:00 p.m. – 5:00 p.m.

To Attend In-Person:

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

To Attend and Participate on Your Computer

<https://scag.zoom.us/j/88214100189>

To Attend and Participate by Phone:

Call-in Number: 1-669-900-6833

Meeting ID: 882 1410 0189

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 are also available at: <https://scag.ca.gov/social-greenprint-technical-advisory-committee>

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation in order 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) 630-1420. 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-Peron 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 B Meeting Room on the 17th floor starting at 2:00 p.m.

To Attend by Computer: Click the following link: <https://scag.zoom.us/j/88214100189>. 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: 882 1410 0189**, 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.

1. **In Writing:** Written comments can be emailed to: ePublicComment@scag.ca.gov. Written comments received **by 5pm on Tuesday, July 25, 2023**, 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 Tuesday, July 25, 2023, 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.

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2. **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.
3. **In-Person:** If participating in-person, you are invited but not required, to fill out and present a Public Comment Card to 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. SCAG staff or consultants managing the meeting retain discretion to adjust time limits as necessary to ensure efficient and orderly conduct of the meeting, including equally reducing the time of all comments.

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.

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GREENPRINT TECHNICAL ADVISORY COMMITTEE MEETING AGENDA

TELECONFERENCE AVAILABLE AT THESE ADDITIONAL LOCATIONS

<p>Tricia Campbell 3403 10th Street Suite 300 Riverside, CA 92502</p>	<p>Marlene Flores Imperial County Transportation Commission 1503 N Imperial Avenue Suite 104 El Centro, CA 92243</p>	<p>Lesley Hill Orange County Transportation Authority 550 S. Main Street Conference Room 7 Orange, CA 92863</p>
<p>Dan Phu Orange County Transportation Authority 550 S. Main Street Conference Room 7 Orange, CA 92863</p>	<p>Alan Wapner Arizona Grand Resort & Spa 8000 South Arizona Grand E Hotel Lobby Phoenix, AZ 85044</p>	<p>Curt Hagman Chino Hills District Office 14010 City Center Drive Chino Hills, CA 91709</p>
<p>Chelsie Kennedy City of Simi Valley – District 4 Office 980 Enchanted Way #203 Simi Valley, CA 93065</p>	<p>Donald Wagner County Administration North 400 West Civic Center Drive 6th Floor, Conference Room A Santa Ana, CA 92701</p>	<p>Heather Allen City of Anaheim Planning and Building Department Planning Conference Room 200 S. Anaheim Blvd Anaheim, CA 92805</p>
<p>Art Bishop Town of Apple Valley 14955 Dale Evans Pkwy Town Hall Conference Room A Apple Valley, CA 92307</p>	<p>Jenny Crosswhite City of Santa Paula - City Hall 970 E Ventura St Santa Paula, CA 93060</p>	<p>Justin Equina City of Irvine - City Hall 1 Civic Center Plaza Community Development, Director's Conference Room Irvine, CA 92606</p>
<p>Kathleen Kelly 46-100 Burroweed Lane Palm Desert, CA 92260</p>	<p>Jocelyn Swain City of Lancaster - City Hall 44933 Fern Avenue Lancaster, CA 93534</p>	<p>Melanie Schlotterbeck Orange County Transportation Authority 550 S. Main Street Conference Room 7 Orange, CA 92863</p>

THE GREENPRINT TECHNICAL ADVISORY COMMITTEE
Members – July 2023

Caltrans

1. Mr. Francis Appiah
Mitigation Specialist, District 7 Representative

County Transportation Commissions

2. Ms. Marlene Flores
Associate Transportation Planner, ICTC Representative
3. Mr. Chris B. Liban
Sustainability Officer, LA Metro Representative
4. Mr. Dan Phu
Sustainability Program Manager, OCTA Representative
5. Lesley Hill – Alternate
Environmental Mitigation Program Manager, OCTA Representative
6. Mr. Aaron Gabbe
Regional Conservation Director, RCTC Representative
7. Ms. Tricia Campbell – Alternate
Regional Conservation Deputy Director, RCTC Representative
8. Hon. Alan Wapner
Regional Council Member, SBCTA Representative
9. Hon. Amanda Fagan
Director of Planning and Sustainability, VCTC Representative

Counties

10. Mr. Anish Saraiya
District 5 Planning and Public Works Deputy, Los Angeles County Representative
11. Hon. Donald Wagner
Supervisor, Orange County Representative
12. Mr. Ken Baez
Administrative Services Manager, Riverside County Representative

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- 13. Hon. Curt Hagman
Supervisor, San Bernardino County Representative
- 14. Hon. Janice Parvin
Supervisor, Ventura County Representative
- 15. Ms. Chelsie Kennedy – Alternate
District 4 Chief of Staff, Ventura County Representative

Cities

- 16. Ms. Connie Pallini-Tipton
Senior City Planner, Los Angeles Representative
- 17. Mr. Bradley Bounds II
Project Planner, Long Beach Representative
- 18. Ms. Jocelyn Swain
Senior Planner, Lancaster Representative
- 19. Mr. Justin Equina
Senior Planner, Irvine Representative
- 20. Mr. Ted White
Planning & Building Director, Anaheim Representative
- 21. Ms. Heather Allen – Alternate
Principal Planner, Anaheim Representative
- 22. Hon. Crystal Ruiz
Mayor Pro Tem, San Jacinto Representative
- 23. Hon. Kathleen Kelly
Mayor, Palm Desert Representative
- 24. Hon. Larry McCallon
Mayor, Highland Representative
- 25. Hon. Art Bishop
Council Member, Apple Valley Representative

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GREENPRINT TECHNICAL ADVISORY COMMITTEE MEMBERSHIP

26. Hon. Bill McReynolds
Council Member, Ventura Representative

27. Hon. Jenny Crosswhite
Council Member, Santa Paula Representative

Business Community

28. Mr. Tom Grable
Division President, Tri Pointe Homes Representative

Environmental Community

29. Ms. Melanie Schlotterbeck
Director, Friends of Harbors, Beaches and Parks Representative

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GREENPRINT TECHNICAL ADVISORY COMMITTEE MEETING AGENDA

Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700 - Policy B Meeting Room
Los Angeles, CA 90017
Wednesday, July 26, 2023
2:00 PM

The Greenprint Technical Advisory Committee may consider, give input or direction, and act upon any of the items on this agenda regardless of whether they are listed as Information or Action items.

CALL TO ORDER *(Ryan Wolfe, SCAG)*

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.

INFORMATION ITEM(S) FOR COMMITTEE INPUT, ADVICE AND COUNSEL TO STAFF

1. Greenprint Technical Advisory Committee Meeting 1 *(Heather Rosenberg, Arup & Ryan Wolfe, SCAG)*

- Welcome and Introductions
- TAC Structure
- Regional Advance Mitigation Planning (RAMP) Overview
- Greenprint Overview & Discussion
- Preview of Upcoming Meetings

PPG. 5

ADJOURNMENT



AGENDA ITEM 1
REPORT

Southern California Association of Governments
July 26, 2023

To: GTAC - Greenprint Technical Advisory Committee

**EXECUTIVE DIRECTOR'S
APPROVAL**

From: India Brookover, Senior Regional Planner
(213) 236-1919, brookover@scag.ca.gov

Subject: Greenprint Technical Advisory Committee Meeting 1

RECOMMENDED ACTION:

Information Only – No Action Required

STRATEGIC PLAN:

This item supports the following Strategic Plan Goal 3: Be the foremost data information hub for the region.

EXECUTIVE SUMMARY:

SCAG is in the process of developing the SoCal Greenprint, a web-mapping application to help users make data-driven land use and transportation infrastructure decisions and support conservation investments.

On October 7, 2021, the SCAG Regional Council (RC) voted to extend the pause on implementation of the SoCal Greenprint and direct SCAG staff to work with a five-member advisory task group of the RC (the RAMP-ATG) to establish a policy framework for advance mitigation in the SCAG region and ensure Greenprint alignment with policy objectives.

The resulting Regional Advanced Mitigation Program (RAMP) Policy Framework, approved by Regional Council on February 2, 2023, directs SCAG to form the Greenprint Technical Advisory Committee (TAC). The purpose of the TAC is to advise staff on the development of data policies, governance standards, user guidelines, data selection criteria, and data parameters to be used for establishment of the SoCal Greenprint tool. TAC input will be presented to the RC and the Energy & Environment Committee (EEC) along with staff recommendations for further Greenprint development.

BACKGROUND:

SCAG is in the process of developing the SoCal Greenprint, a strategic web-based tool to provide the best available scientific data and scenario visualizations to inform land use and infrastructure decisions, identify priority conservation areas, support advanced mitigation programs, and advance

the vision and goals of Connect SoCal 2020, the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy.

Development of the SoCal Greenprint is also required as identified in mitigation measures SMM BIO-2 and SMM AG-2 of the Connect SoCal 2020 Program Environmental Impact Report (PEIR).

On October 7, 2021, the RC voted to extend the pause on implementation of the SoCal Greenprint and direct staff to conduct additional engagement with stakeholders. During this pause, SCAG staff was directed to develop a white paper and work with a five-member advisory task group of the RC (the RAMP-ATG) to establish a RAMP Policy Framework (the Framework) for advanced mitigation in the SCAG region, and to ensure the Greenprint is aligned with policy objectives. The decision also called on SCAG staff to:

- Develop the SoCal Greenprint with explicit focus on helping cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farm lands;
- Include features in the SoCal Greenprint to convey limitations the tool and foster proper use, such as a disclosure statement and mandatory user acknowledgement feature;
- Conduct an open advisory meeting for further review and revision of data layers to meet the needs of cities, counties and transportation agencies;
- Remove datasets for inclusion in the tool if they are not publicly available (i.e. layers are not accessible for download online, or are not downloadable via request and/or licensed to the author or custodian of the data);
- Complete prospective user testing with at least ten stakeholders representing cities, counties and transportation agencies to ensure that the tool is working and functional as developed with targeted audiences;
- Engage in continued public outreach as described at the July 1, 2021 RC meeting; and
- Return to the RC and EEC once prospective user testing is complete to demonstrate the tool, provide a report on the white paper and proposed policy framework, seek feedback prior to public launch and to remove the pause.

The final Framework, approved by the RC on February 2nd, 2023, directs SCAG to form the Greenprint Technical Advisory Committee (TAC) and defines its role. The TAC will advise staff on the development of data policies, governance standards, user guidelines, data selection criteria, and data parameters for the Greenprint tool. TAC input will inform SCAG staff as they update the Framework to ensure that the data and SoCal Greenprint tool aligns with advanced mitigation opportunities and fulfillment of Connect SoCal 2020 and its associated PEIR mitigation measures. The updated framework will then be presented to the EEC and the RC for their review and approval.

As directed by the Regional Council, the TAC is comprised of representatives from: each county transportation commission in the SCAG region, Caltrans, each county government in the SCAG

region, the City of Los Angeles, two city governments within each county in the SCAG region, and one member of the environmental community with RAMP experience and one member of the business community. TAC meetings will be open to the public to enable a variety of stakeholders to participate.

The Greenprint TAC meetings will take place over 3 meetings on July 26th, August 28th and a date in September 2023 that is in the process of being scheduled. Proposed meeting topics are as follows:

Meeting Number	Topics
1	<ul style="list-style-type: none"> • Project background • RAMP Overview • Greenprint Overview • Potential use cases and data
2	<ul style="list-style-type: none"> • User guidelines • Governance standards • Data policies and parameters • Data selection criteria
3	<ul style="list-style-type: none"> • Tool functionality • Finalize input, advice and counsel for staff consideration • Identification of Beta Testing group

Meeting 1

As noted above, the first meeting will include a staff presentation that will include project background and RAMP and Greenprint overviews. In addition, there will be a presentation from W. Stuart Kirkham, Acting Office of the Chief, Office of Biological Science and Innovation with Caltrans. Mr. Kirkham will provide background on Caltrans Regional Advanced Mitigation Needs Assessments (RAMNAs) and their data processes and data layers.

FISCAL IMPACT:

This project is funded in SCAG’s Fiscal Year 2023-2024 Overall Work Program under 290-4919.01.

ATTACHMENT(S):

1. PowerPoint Presentation - GTAC Meeting 1



Greenprint Technical Advisory Committee

WWW.SCAG.CA.GOV

AGENDA

- 1 **Welcome & Introductions**
- 2 **Public Comment**
- 3 **TAC Overview**
- 4 **Break**
- 5 **RAMP Data Overview & Data Policy Recommendations**
- 6 **Greenprint Overview & Discussion**
- 7 **Preview of Upcoming TAC Meetings**





WELCOME & INTRODUCTIONS



GREENPRINT TAC OVERVIEW

Ryan Wolfe, SCAG

Heather Rosenberg, ARUP

Establishment of a **Technical Advisory Committee**

The RAMP Policy Framework and recommendations from the RAMP-ATG directs SCAG to establish a Technical Advisory Committee to advise on:

Data
Policies &
User
Guidelines

SoCal
Greenprint
Tool's Data
Governance
Standards

Data
Selection
Criteria

Process to
Resolve Potential
Divergent
Perspectives on
SoCal Greenprint
Tool Data

Data
Parameters

5

Greenprint TAC Overview

TACs at SCAG

- Focused groups convened to work on specific topic areas and provide input to SCAG staff before items are brought to SCAG's Policy Committees or Regional Council.
- Groups fall along a spectrum of more technical to more policy-focused.
- Examples:
 - Modeling Task Force
 - Transportation Conformity Working Group
 - Technical Working Group

6

Purpose of Greenprint

- Strategic web-based conservation tool with scenario visualizations
- Easily accessible resource
- Uses the best available scientific data
- Helps inform advance mitigation programs at the local level
- Helps municipalities, conservation groups, developers, and researchers prioritize lands for conservation
- Helps cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farm lands

7

Ground Rules

- Be kind and respectful
- You are all experts
- No one has all the answers
- Listen actively
- Use “yes, and...”

8



BREAK



REGIONAL ADVANCE MITIGATION PLANNING (RAMP) DATA OVERVIEW

Stuart Kirkham, Caltrans




Selection of Data Layers Caltrans Advance Mitigation Program Southern California Greenprint TAC







July 26th, 2023

Presentation Overview:

- Advance Mitigation Program Overview
- General Data Layer Selection Considerations
- Statewide Advance Mitigation Needs Assessment Data Layers
- Regional Advance Mitigation Needs Assessment Data Layers

Advance Mitigation Program: Laws & Guidelines

 **The Legislation (SB 1 and SB 103) established SHC §800 et seq. which:**

-  Created the Advance Mitigation Program in Caltrans
-  Established the Advance Mitigation Account as a revolving fund in the State Highway Fund
-  Authorized the deposit of a minimum of \$30 million annually for four years (commencing 2017/2018) after which it is intended to become self-sustaining
-  Restricts the use of advance mitigation to transportation projects in:
 - ✓ State Highway Operations and Protection Program (SHOPP)
 - ✓ State Transportation Improvement Program (STIP)
-  Authorizes the Advance Mitigation Account to purchase or establish mitigation credits or values
-  Authorizes Caltrans to allow other transportation agencies to use the program's mitigation for their STIP projects
 - ✓ Transportation projects must reimburse the Program for the mitigation used

Program Goals:

Accelerate transportation project delivery



Improve environmental outcomes



Enhance communication



Ensure the Program account is self-sustaining



Planning Phase:



General Data Layer Selection Considerations:

- ❑ Advance Mitigation Program investments must yield mitigation:
 - Regulatory Agencies are a primary stakeholder
 - ✓ Approval of mitigation projects as providing mitigation
 - ✓ Approval of transportation project permits to use the mitigation
- ❑ Data layer selection prioritizes:
 - Regulatory agency sponsored data sets
 - Publicly available data sets recognized or recommended by Regulatory Agencies

General Data Layer Selection Considerations (continues):

- ❑ Statewide Advance Mitigation Needs Assessment
 - Assesses potential compensatory mitigation need
 - ✓ Impacts only
 - Aids in selections of Regions

- ❑ Regional Advance Mitigation Needs Assessment
 - Includes SAMNA results in Region
 - Brings in, or references, other publicly available datasets that inform advance mitigation project concepts
 - Reviews conservation goals and objectives in region
 - ✓ Meets the environmental improvement goal of advance mitigation
 - ✓ Implemented through mitigation project delivery
 - Parcel acquisition occurs in mitigation project delivery

Statewide Advance Mitigation Needs Assessment (SAMNA):

- ❑ First step of the advance mitigation planning process

- ❑ Identifies eligible transportation projects from long-range transportation plans:
 - 10-year planning horizon
 - Updated every two years, as transportation plans are renewed

- ❑ Establishes legal authority:
 - Article XIX of the California Constitution
 - Establishes basis for the Director's approval for advance mitigation project funding allocation

- ❑ Establishes the foundation for wise planning and investment of the advance mitigation funds:
 - The right kind of mitigation in the right amount in the right place at the right time
 - Meets project delivery and environmental goals of the program

Statewide Advance Mitigation Needs Assessment (SAMNA): Data Layers

SAMNA layers are data products that are compilations of publicly available, regulatory agency sponsored/recommended spatial and attribute data.

- ❑ Vegetation Layers – for state and federal Endangered Species Acts:
 - Spatial data sets: VegCAMP (CDFW), CALVeg (USDA), FVeg (CalFire)
 - Habitat suitability attributes: CWHR, CNPS/Calflora, RareFind
 - Range Restriction: CWHR range maps, USFWS range maps, Jepson Floristic Provinces, CNDDDB (when no other range options are available)
- ❑ Wetlands layers – Clean Water Act Section 404:
 - 2017 National Wetland Inventory (USFWS) + California Aquatic Resource Inventory (SFEI)
- ❑ Waters layers – Clean Water Act Section 401, LSAA (“1600”), Porter-Cologne:
 - 2017 National Hydrology Dataset (USGS)
 - Fish species under ESAs attributed in using NMFS/USFWS DCH layers, or CNDDDB (CDFW)
- ❑ Other layers used to aid in analysis:
 - HUC-8 sub-basins and HUC-10 watersheds (USGS),
 - USDA Ecoregion Sections and Subsections (used by CDFW as basis for SWAP)
 - Coastal Zone boundary (California Coastal Commission, for state and federal Coastal Acts)

Regional Advance Mitigation Needs Assessment: Data Selection

- ❑ Application of evidence-building principles contained in multiple environmental compliance paradigms.
- ❑ Planning-level information Caltrans Districts will consult when conceptualizing advance mitigation projects. A desktop study.
- ❑ Data-sets are existing, relevant, and readily available.
- ❑ Natural resource regulatory agency staff confirm that they use and consult these data through the RAMNA review process.
- ❑ Interested parties given opportunity to communicate and provide data for agencies to adopt through the RAMNA review process.



RAMNA Maps and Data Sources: SAMNA Data Layers

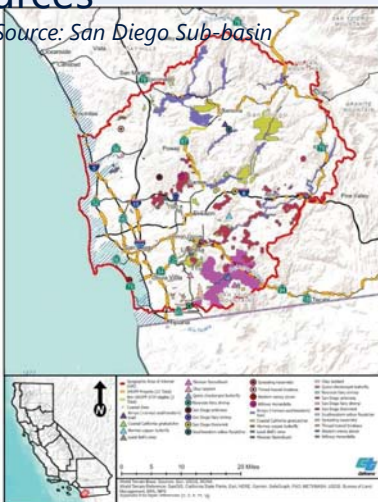
- ☐ Land cover
- ☐ Habitats
- ☐ Species
- ☐ Wetlands
- ☐ Non-wetland waters
- ☐ Ecological boundaries
 - Ecoregion
 - HUC-8
- ☐ Political boundaries
 - Caltrans Districts
 - Counties
 - Coastal Zone

Number of Potentially Occurring Special-status Species, by Land Cover Type – Southern California Coast Ecoregion Section in the GAI

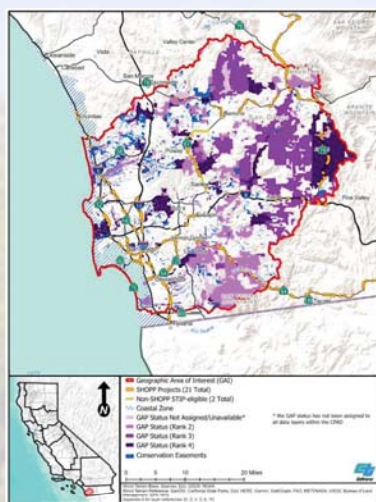
Land Cover Type	Cover as Percentage of GAI	Plants	Invertebrates	Amphibians	Reptiles	Birds	Mammals
Tree-dominated Habitats							
Coastal Oak Woodland	<0.01	0	0	6	7	14	18
Eucalyptus	0.03	0	0	6	6	14	17
Montane Riparian	0.13	0	0	1	3	7	16
Sierran Mixed Conifer	2.22	0	0	2	2	9	14
Valley Foothill Riparian	0.06	0	0	5	7	16	17
Shrub-dominated Habitats							
Chamise-Redshank Chaparral	0.01	0	0	2	6	12	14
Coastal Scrub	<0.01	28	1	5	8	14	21
Desert Wash	0.41	0	0	1	2	6	16
Mixed Chaparral	0.58	19	0	6	7	13	19
Herbaceous-dominated Habitats							
Annual Grassland	13.25	15	2	5	6	19	18
Fresh Emergent Wetland	0.03	1	0	3	3	11	7
Pasture	0.03	0	0	0	2	5	13
Perennial Grassland	0.03	0	0	2	4	10	14
Aquatic Habitats							
Lacustrine	0.06	0	0	3	2	9	5
Developed Habitats							
Deciduous Orchard	2.06	0	0	1	1	6	10
Evergreen Orchard	0.02	0	0	1	1	1	9
Urban	0.01	0	0	0	1	11	11
Non-vegetated Habitats							
	See below	See below	See below	See below	See below	See below	See below

RAMNA Maps and Data Sources: Selected Examples of Other Data Set Sources

Data Source: San Diego Sub-basin



Critical Habitat



Gap and Gap Status Rank

See Appendix A for layer references: [1, 2, 3, 4 ...]

Table A-1. District 8 RAMNA GIS Sources	Source Agency	Source Data	Download Date	Website
1	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
2	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
3	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
4	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
5	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
6	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
7	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
8	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
9	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
10	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
11	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
12	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
13	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
14	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
15	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
16	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
17	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
18	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
19	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
20	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
21	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
22	California Department of Transportation	California State Highway System	5/15/2018	https://www.dot.ca.gov/hq/transportation_data_services/transportation_data_services.html
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- For this RAMNA, all maps include:**
1. State Highway System
 2. Planned SHOPP transportation projects
 4. Ecological boundary (HUC-8 sub-basin)
 11. Coastal Zone

Attachment: PowerPoint Presentation - GTAC Meeting 1 (Greenprint Technical Advisory Committee Meeting 1)

Welcoming Any Questions and Concerns



RAMP TAC DATA POLICY RECOMMENDATIONS

Heather Rosenberg, Arup
Joerg Tonndorf, Arup

RAMP TAC Data Policy Recommendation

To provide a data resource with widely accessible data layers to help municipalities and transportation agencies:

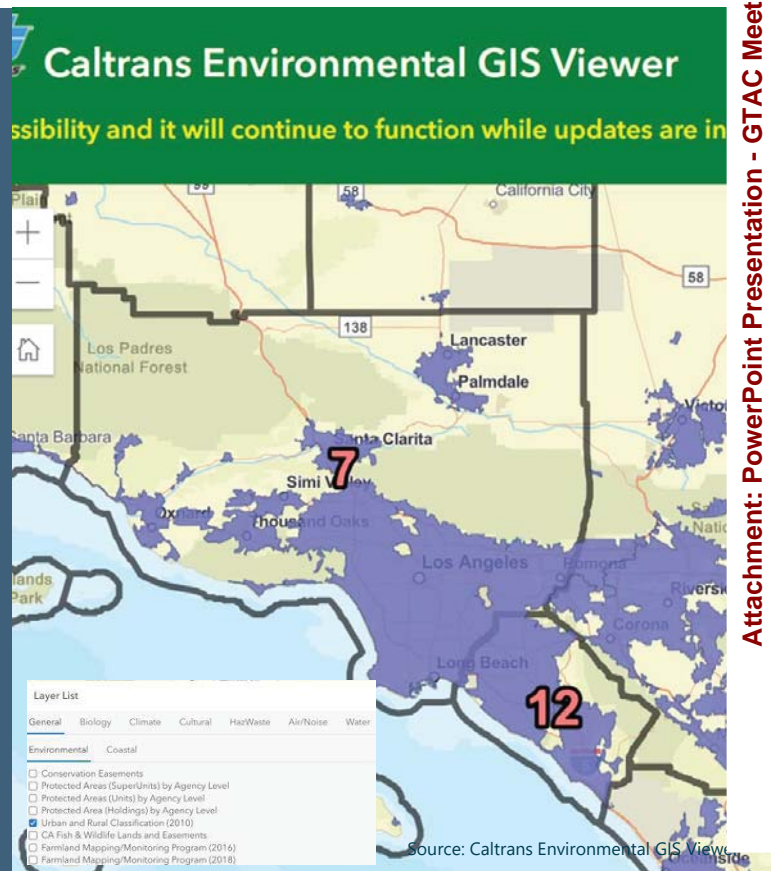
- Address the lack of consistent, regional data and tools that can be used across sectors to inform land use decisions
- An optional, flexible, and open regional conservation-focused data and mapping tool
- Include data for the six counties in the SCAG region

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RAMP-TAC Data Policy Recommendation

- Data should be publicly available.

Examples of publicly available data include data available via SCAG's Regional Data Platform (RDP), the Caltrans Environmental GIS Viewer, California Department of Water Resources or federal data sources such as US Census or the EPA.



RAMP-TAC Data Policy Recommendation

- Data should be created, funded, used and/or developed in partnership with a government agency.

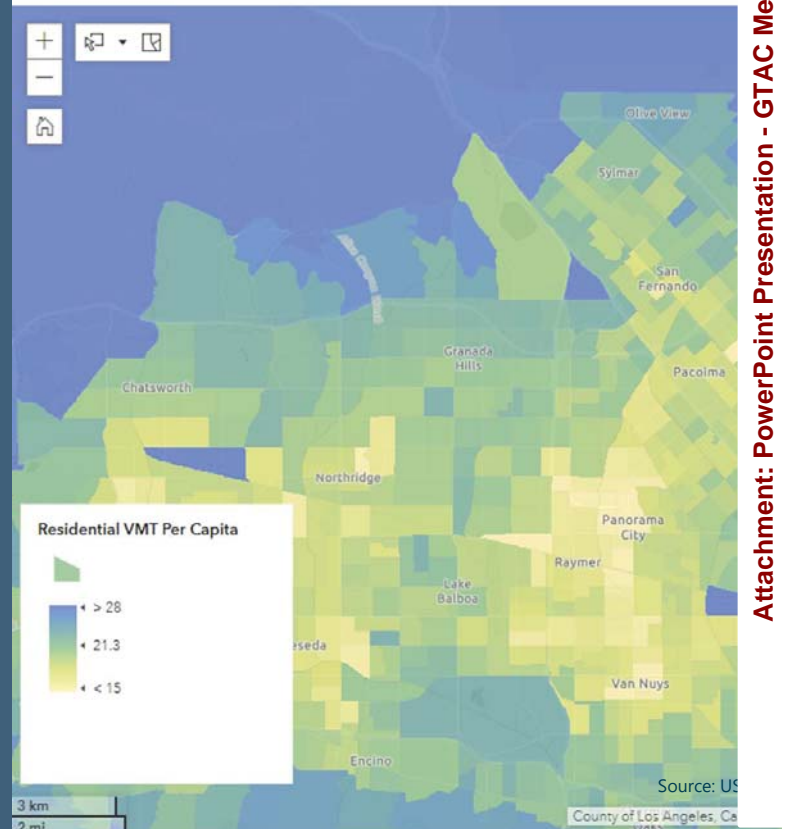
Examples of datasets by government agencies include data created by Caltrans, CA Department of Conservation, Department of Water Resources, US Geological Survey, USDA, California Energy Commission, Bureau of Transportation Statistics, CAL FIRE, California Geological Survey, FEMA, NOAA, USFS, CA Coastal Commission, CA Office of Environmental Health Hazard Assessment, etc.



RAMP-TAC Data Policy Recommendation

- Data should not be shown as constraints on future development or growth.

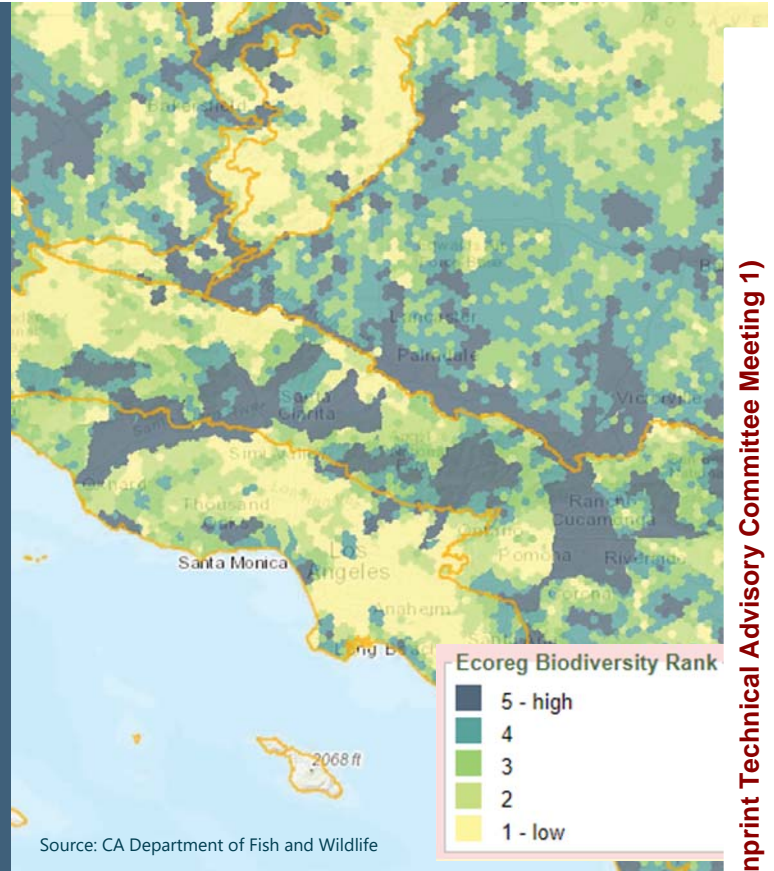
The data will be provided for informational purposes.



RAMP-TAC Data Policy Recommendation

- Data should not be endorsed or adopted by the Regional Council as official policy of the agency.

For example, the species biodiversity rank layer from the CA Department of Fish and Wildlife identifies areas that have high or low biodiversity. This is informational and does not represent official policies of SCAG.

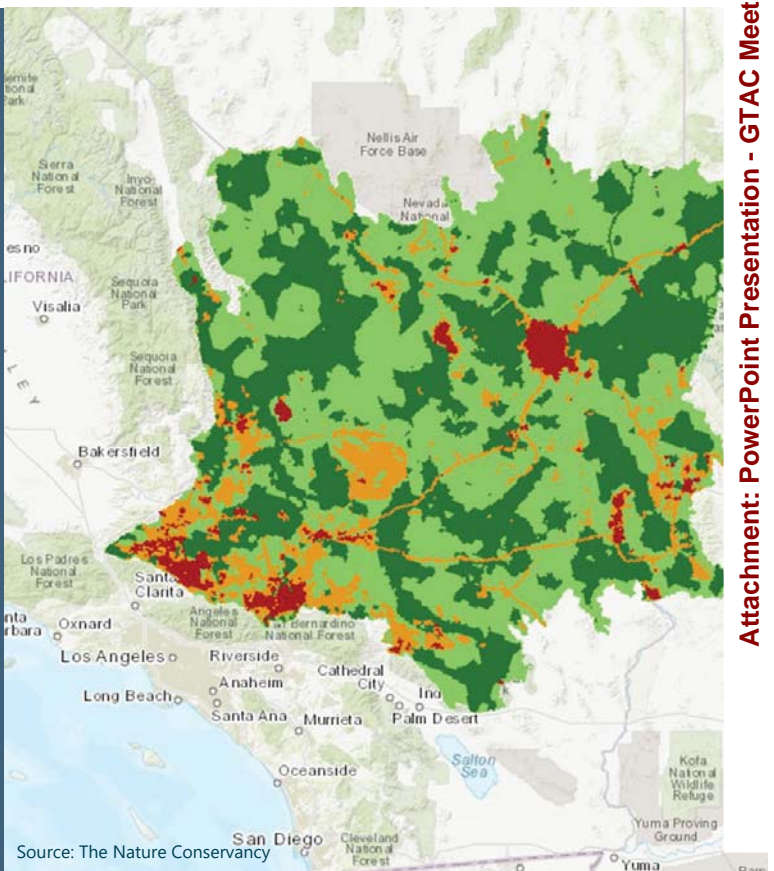


RAMP-TAC Data Policy Recommendation

- Data elements should be regionally comprehensive.

Datasets including gaps or missing information should not be included in the Greenprint tool.

An example of a dataset that is not regionally comprehensive is the Mojave Desert Ecoregional Assessment.



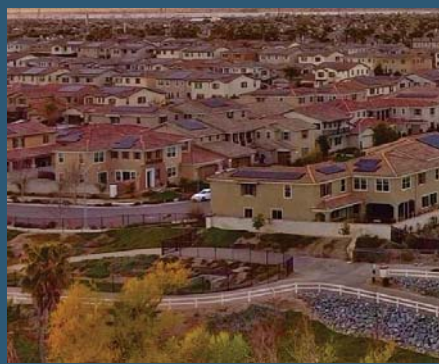


GREENPRINT OVERVIEW & DISCUSSION

Greenprint Overview and Discussion

What is the SoCal Greenprint?

A data tool of publicly available sources to help cities, counties, and transportation agencies make better land use and transportation decisions and conserve natural and farm lands



Purpose for Greenprint

- Strategic web-based conservation tool with scenario visualizations
- Easily accessible resource
- Uses the best available scientific data
- Helps inform advance mitigation programs at the local level
- Helps municipalities, conservation groups, developers, and researchers prioritize lands for conservation
- Helps cities, counties and transportation agencies make better land use and transportation infrastructure decisions and conserve natural and farm lands

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Greenprint Potential Use Cases

- Identify conservation priority areas and biologically diverse areas
- View parks and open space across jurisdictions
- Assess acreage and distance (e.g., of accessible land, buffer zones)
- Weave a story with the datasets to show how a project meets funding criteria (e.g., support disadvantaged communities)
- Identify how transportation routes may impact or be impacted by development projects in the route's vicinity

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Discussion

- Other potential use cases?

35

Discussion

- Reflections on data policy recommendations?

36

Discussion

- Initial dataset recommendations?

37

Discussion

- Questions?

38

Preview of Upcoming Meetings

August 28th

9:30 am – 12:30 pm

- User guidelines
- Governance standards
- Data policies and parameters
- Data selection criteria

September (Date TBD)

- Tool functionality
- Finalize input for staff consideration
- Identification of Beta Testing Group

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THANK YOU

scag.ca.gov/greenprint

For questions, please contact:
scaggreenregion@scag.ca.gov