



SOUTHERN CALIFORNIA  
ASSOCIATION OF GOVERNMENTS  
900 Wilshire Blvd., Ste. 1700  
Los Angeles, CA 90017  
T: (213) 236-1800  
www.scag.ca.gov

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**Tim Sandoval, Pomona**

## 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](mailto: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.



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## 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 17<sup>th</sup> 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](mailto: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](mailto:aguilarm@scag.ca.gov).

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### OUR MISSION

To foster innovative regional solutions that improve the lives of Southern Californians through inclusive collaboration, visionary planning, regional advocacy, information sharing, and promoting best practices.

### OUR VISION

Southern California’s Catalyst for a Brighter Future

### OUR CORE VALUES

Be Open | Lead by Example | Make an Impact | Be Courageous



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

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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

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

**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

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## 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

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# GREENPRINT TAC OVERVIEW

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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

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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

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## 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

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## Ground Rules

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

8



**BREAK**

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# **REGIONAL ADVANCE MITIGATION PLANNING (RAMP) DATA OVERVIEW**

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Stuart Kirkham, Caltrans






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







July 26<sup>th</sup>, 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

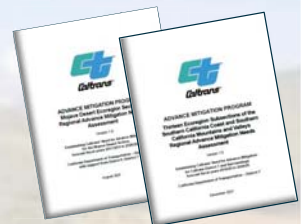
# Statewide Advance Mitigation Needs Assessment (SAMNA): Data Layers

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

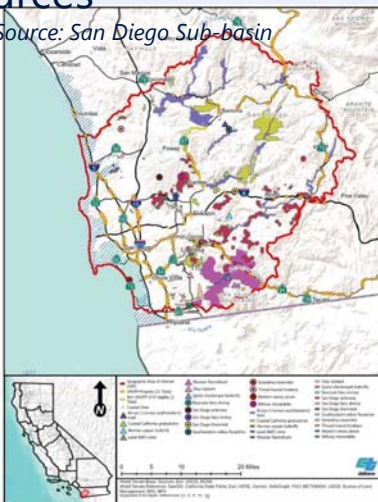
- ☐ Land cover
- ☐ Habitats
- ☐ Species
- ☐ Wetlands
- ☐ Non-wetland waters
- ☐ Ecological boundaries
  - Ecoregion
  - HUC-8
- ☐ Political boundaries
  - Caltrans Districts
  - Counties
  - Coastal Zone

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

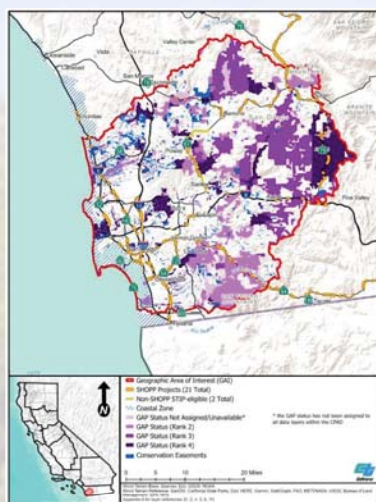
Land Cover Type	Cover as Percentage of GAI	Plants	Invertebrates	Amphibians	Reptiles	Birds	Mammals
<b>Tree-dominated Habitats</b>							
Coastal Oak Woodland	<0.01	0	0	6	7	14	18
Eucalyptus	0.03	0	0	6	6	14	17
Montane Riparian	0.13	0	0	1	3	7	16
Sierran Mixed Conifer	2.22	0	0	2	2	9	14
Valley Foothill Riparian	0.06	0	0	5	7	16	17
<b>Shrub-dominated Habitats</b>							
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
<b>Herbaceous-dominated Habitats</b>							
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
<b>Aquatic Habitats</b>							
Lacustrine	0.06	0	0	3	2	9	5
<b>Developed Habitats</b>							
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
<b>Non-vegetated Habitats</b>							
	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. Caltrans	Caltrans	9/15/2018	9/15/2018	https://www.caltrans.ca.gov/
2. AirPort	California Transportation Commission	10/17/2018	10/17/2018	https://www.ctc.ca.gov/
3. SHP	California Transportation Commission	10/18/2018	10/18/2018	https://www.ctc.ca.gov/
4. Wetland Ecological Services (WES)	WES	5/15/2017	5/15/2017	https://www.wetlandecological.com/
5. Wetland Ecological Services (WES)	WES	5/15/2017	5/15/2017	https://www.wetlandecological.com/
6. Wetland Ecological Services (WES)	WES	5/15/2017	5/15/2017	https://www.wetlandecological.com/
7. Landscape Baseline for the California Desert Inland Network	BLI and The Wetlands Conservancy	1/15/2018	1/15/2018	https://www.blincalifornia.com/
8. Landscape Baseline for the California Desert Inland Network	BLI and The Wetlands Conservancy	1/15/2018	1/15/2018	https://www.blincalifornia.com/
9. The Land Resources	U.S. Bureau of Indian Affairs	5/19/2017	5/19/2017	https://www.bia.gov/
10. A-1 Critical Habitat	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
11. CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
12. SanDiego Countywide Map - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
13. National Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
14. National Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
15. National Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
16. State Technical Program - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
17. State Technical Program - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
18. California Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
19. California Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
20. California Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
21. California Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
22. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
23. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
24. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
25. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
26. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
27. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
28. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
29. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
30. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
31. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
32. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
33. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
34. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
35. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
36. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
37. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
38. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
39. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
40. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
41. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
42. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
43. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
44. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
45. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
46. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
47. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
48. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
49. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/
50. County Wetlands Bank - CDMP	CDM	10/18/2018	10/18/2018	https://www.cdm.com/

- 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

# 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:

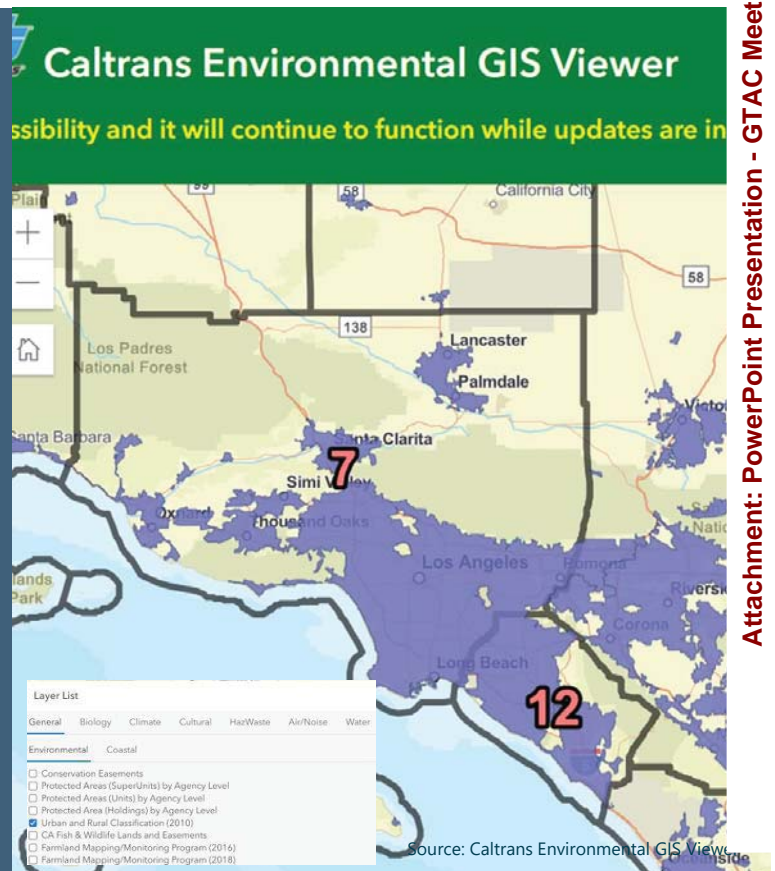
- Address the lack of consistent, regional data and tools that can be used across sectors to inform land use decisions
- An optional, flexible, and open regional conservation-focused data and mapping tool
- Include data for the six counties in the SCAG region

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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.

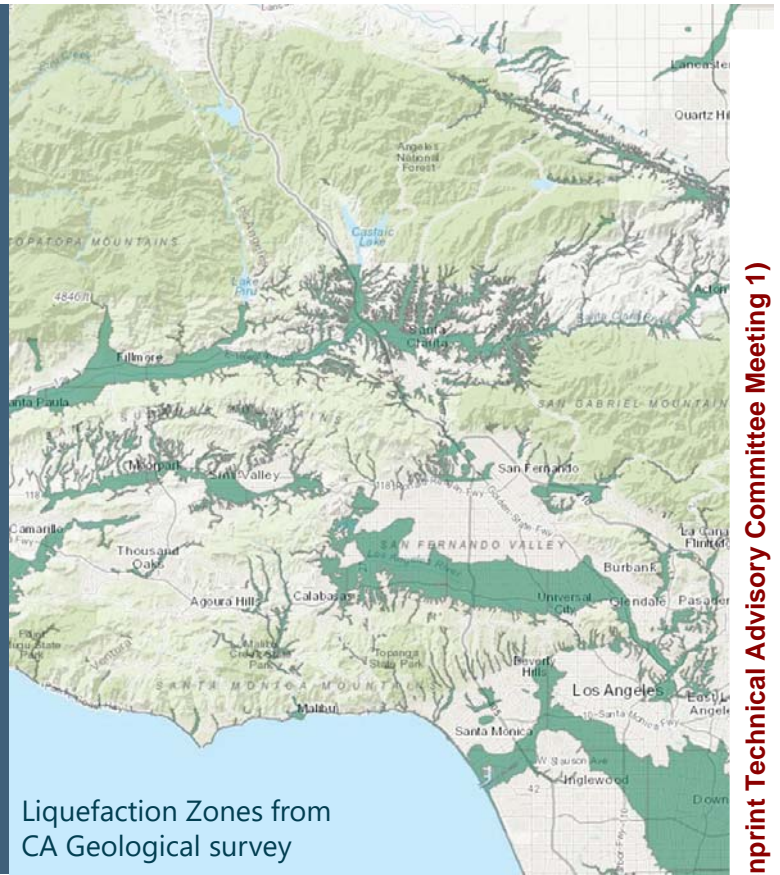




# RAMP-TAC Data Policy Recommendation

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

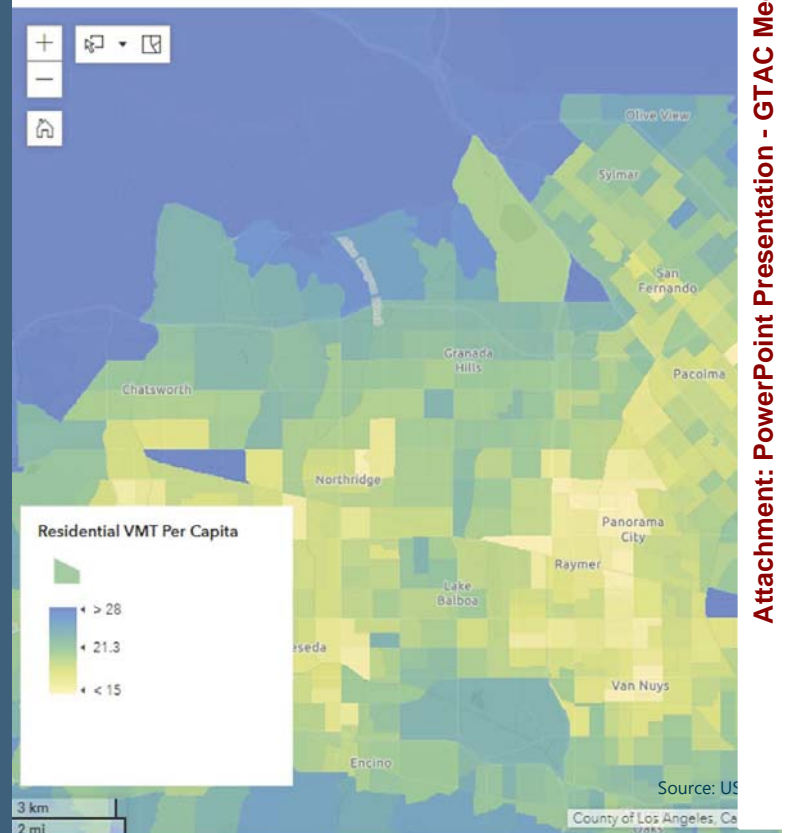
Examples of datasets by government agencies include data created by Caltrans, CA Department of Conservation, Department of Water Resources, US Geological Survey, USDA, California Energy Commission, Bureau of Transportation Statistics, CAL FIRE, California Geological Survey, FEMA, NOAA, USFS, CA Coastal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

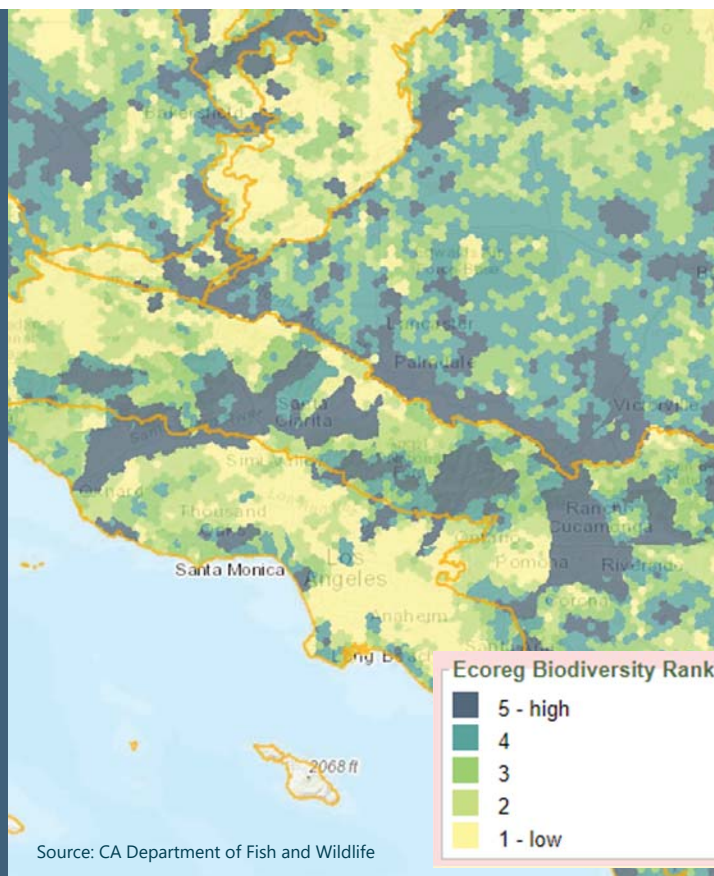
The data will be provided for informational purposes.



## 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.

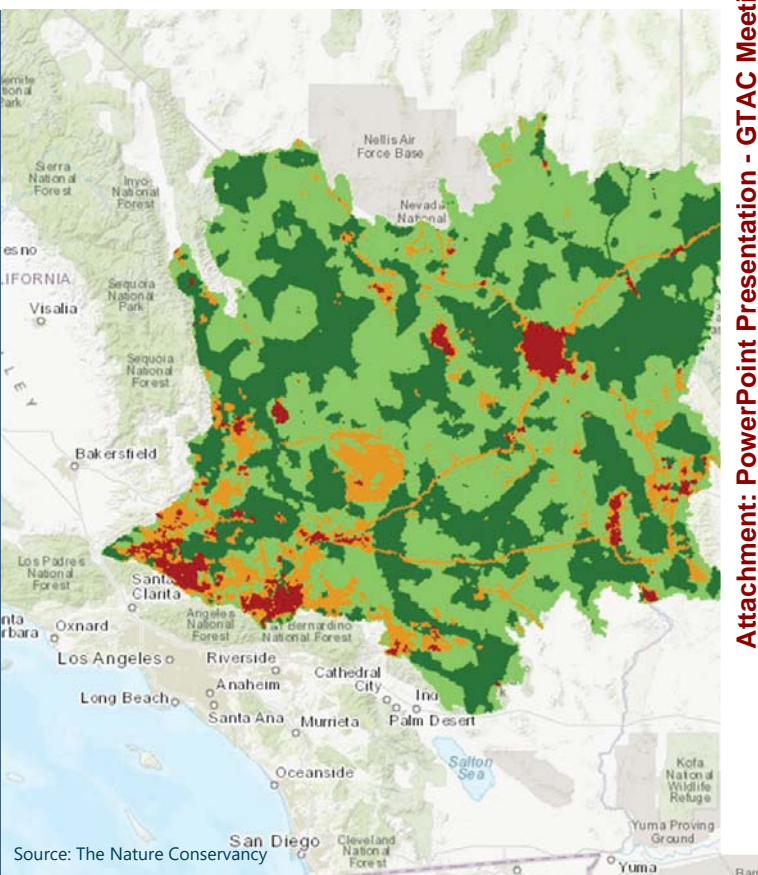


## RAMP-TAC Data Policy Recommendation

- 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.



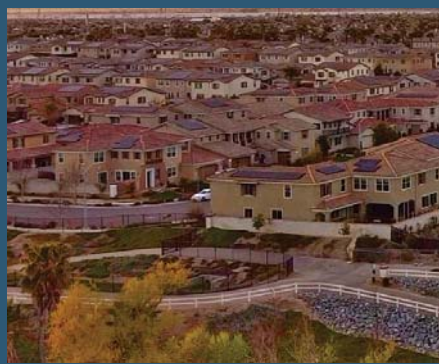


# GREENPRINT OVERVIEW & DISCUSSION

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?

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## Discussion

- Reflections on data policy recommendations?

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## Discussion

- Initial dataset recommendations?

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## Discussion

- Questions?

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## Preview of Upcoming Meetings

### August 28<sup>th</sup>

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](http://scag.ca.gov/greenprint)

For questions, please contact:  
[scaggreenregion@scag.ca.gov](mailto:scaggreenregion@scag.ca.gov)