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

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MEETING OF THE

ENERGY AND ENVIRONMENT COMMITTEE

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

Thursday, November 5, 2026
9:30 a.m. – 11:15 a.m.

To Attend In-Person:
SCAG Main Office – Policy A Meeting Room
900 Wilshire Blvd., Ste. 1700
Los Angeles, CA 90017

To Watch or View Only:
https://scag.ca.gov/scag-tv-livestream

To Attend and Participate on Your Computer:
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To Attend and Participate by Phone:
Call-in Number: 1-669-900-6833
Meeting ID: 817 0319 6837

PUBLIC ADVISORY

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

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

Instructions for Attending the Meeting

To Attend In-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 A Meeting Room on the 17th floor starting at 9:30 a.m.

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

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

Instructions for Participating and Public Comments

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

In Writing: Written comments can be emailed to: ePublicComment@scag.ca.gov. Written comments received **by 5pm on Wednesday, November 4, 2026** will be transmitted to members of the legislative body and posted on SCAG's website prior to the meeting. You are **not** required to submit public comments in writing or in advance of the meeting; this option is offered as a convenience should you desire not to provide comments in real time as described below. Written comments received after 5pm on Wednesday, November 4, 2026, will be announced and included as part of the official record of the meeting. Any writings or documents provided to a majority of this committee regarding any item on this agenda (other than writings legally exempt from public disclosure) are available at the Office of the Clerk, at 900 Wilshire Blvd., Suite 1700, Los Angeles, CA 90017 or by phone at (213) 630-1420, or email to aguilarm@scag.ca.gov.

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

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

General Information for Public Comments

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

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

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

ENERGY AND ENVIRONMENT COMMITTEE AGENDA

TELECONFERENCE AVAILABLE AT THESE ADDITIONAL LOCATIONS*

Ana Beltran America's Best Value Inn Lobby 351 W. Main Street Westmorland, CA 92281	**Daniel Brotman** City of Glendale - City Hall 613 E Broadway, Ste 200 Glendale, CA 91206	**Ed Chen** 1060 N. Eastern Avenue, Building B Los Angeles, CA 90063
Margaret Clark 3019 Prospect Avenue Rosemead, CA 91770	**Robert D. Copeland** City of Signal Hill - City Hall 2175 Cherry Avenue Council Chambers Signal Hill, CA 90755	**Ned E. Davis** City of Westlake Village - City Hall 31200 Oak Crest Drive Westlake Village, CA 91361
Carmen Hernandez City of Barstow - City Hall 220 E. Mountain View Barstow, CA 92311	**Shari L. Horne** City of Laguna Woods - City Hall 24264 El Toro Road Laguna Woods, CA 92637	**Britt Huff** City of Rolling Hills Estates - City Hall 4045 Palos Verdes Drive North Rolling Hills Estates CA, 90274
Brian Johsz 5615 Gableview Court Chino Hills, CA 91709	**Elaine Litster** City of Simi Valley - City Hall 2929 Tapo Canyon Road Simi Valley, CA 93063	**Yasmine-Imani McMorrin** City of Culver City - City Hall 9770 Culver Boulevard Armstrong Conference Room, 1st Floor Culver City, CA, 90232
Patty Senecal City of Seal Beach - City Hall 211 8th Street Seal Beach, CA 90740	**Jennifer S**tark City of Claremont - City Hall 207 Harvard Avenue 2nd City Council Office Claremont, CA 91711	**Ali Taj** 11856 E. 187th Street Artesia CA 90701
Tamala Takahashi City of Burbank - City Hall 275 East Olive Avenue 2nd Floor, Council Office Burbank, CA 91502	**Connor Traut** 7661 Silver Street Buena Park, CA 90620	**Stephanie Virgen** City of Coachella - City Hall 1515 Sixth Street Coachella, CA 92236
Dale Welty City of Canyon Lake - City Hall 31526 Railroad Canyon Road Canyon Lake, CA 92584		

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

EEC - Energy and Environment Committee
Members – November 2026

1. **Hon. Rick Denison**
   EEC Chair, Yucca Valley, RC District 11

2. **Hon. Daniel Ramos**
   EEC Vice Chair, Adelanto, RC District 65

3. **Hon. Ana Beltran**
   Westmorland, ICTC

4. **Hon. Arthur Bishop**
   Apple Valley, SBCTA

5. **Hon. Daniel Brotman**
   Glendale, AVCJPA

6. **Sup. Martha Cardenas-Singh**
   Imperial County

7. **Hon. Ed Chen**
   Temple City

8. **Hon. Margaret Clark**
   Rosemead, Pres. Appt. (Member at Large)

9. **Hon. Robert Copeland**
   Signal Hill, GCCOG

10. **Hon. Jenny Crosswhite**
    Santa Paula, RC District 47

11. **Hon. Ned Davis**
    Westlake Village, LVMCOG

12. **Victoria Garcia**
    San Fernando, Pres. Appt. (Member at Large)

13. **Hon. Carmen Hernandez**
    Barstow, SBCTA

14. **Hon. Shari Horne**
    Laguna Woods, OCCOG

15. **Hon. Britt Huff**
    Rolling Hills Estates, SBCCOG

16. **Hon. Brian Johsz**
    Chino Hills, SBCTA

17. **Hon. Steven Leash**
    Cahuilla Band of Indians

18. **Hon. Elaine Litster**
    Simi Valley, VCOG

19. **Hon. Patricia Lock Dawson**
    Riverside, RC District 68

20. **Sup. Vianey Lopez**
    Ventura County

21. **Hon. Yasmine-Imani McMorrin**
    Culver City, WCCOG

22. **Hon. Jeannette Sanchez-Palacios**
    Ventura, VCOG

23. **Hon. Suely Saro**
    Long Beach, RC District 29

24. **Hon. Patty Senecal**
    Seal Beach, OCCOG

25. **Hon. Jennifer Stark**
    Claremont, SGVCOG

26. **Hon. Ali Taj**
    Artesia, GCCOG

27. **Hon. Tamala Takahashi**
    Burbank, SFVCOG

28. **Hon. Connor Traut**
    Buena Park, OCCOG

29. **Hon. Stephanie Virgen**
    Coachella, CVAG

30. **Hon. Dale Welty**
    Canyon Lake, WRCOG

ENERGY AND ENVIRONMENT COMMITTEE AGENDA

Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700 - Policy A Meeting Room
Los Angeles, CA 90017
Thursday, November 5, 2026
9:30 AM

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

CALL TO ORDER AND PLEDGE OF ALLEGIANCE
(The Honorable Rick Denison, Chair)

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

REVIEW AND PRIORITIZE AGENDA ITEMS

CONSENT CALENDAR

Approval Items

1. Minutes of the Meeting – October 1, 2026 PG. 7

Receive and File

2. EEC Outlook and Future Agenda Items PG. 13

INFORMATION ITEMS

3. Data Center Policy and Regulation 20 Mins. PG. 17
(Camille Crittenden, Executive Director, CITRIS and the Banatao Institute, UC Berkeley)

4. Overview of SoCal Edison Infrastructure Efforts to Meet Demand 20 Mins. PG. 28
(Ruby Rose Yepez, Senior Advisor, SoCal Edison)

5. Connect SoCal 2050: Green Region Resource Areas Overview 20 Mins. PG. 37
(Kimberly Clark, Planning Supervisor, SCAG)

CHAIR'S REPORT
(The Honorable Rick Denison, Chair)

STAFF REPORT
(Ivette Macias, Government Affairs Officer, SCAG)

ANNOUNCEMENTS

ADJOURNMENT

Southern California Association of Governments
November 5, 2026

MINUTES OF THE MEETING
ENERGY AND ENVIRONMENT COMMITTEE
THURSDAY, OCTOBER 1, 2026

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

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

Members Present

Hon. Rick Denison (Chair)	*Yucca Valley*	District 11
Hon. Daniel Ramos (Vice Chair)	*Adelanto*	District 65
Hon. Art Bishop	*Town of Apple Valley*	SBCTA
Hon. Martha Cardenas-Singh		Imperial County
Hon. Ed Chen	*Temple City*	SGVCOG
Hon. Margaret Clark	*Rosemead*	Pres. Appointment
Hon. Jenny Crosswhite	*Santa Paula*	District 47
Hon. Ned Davis	*Westlake Village*	LVMCOG
Hon. Victoria Garcia	*San Fernando*	Pres. Appointment
Hon. Carmen Hernandez	*Barstow*	SBCTA
Hon. Shari Horne	*Laguna Woods*	OCCOG
Hon. Britt Huff	*Rolling Hills Estates*	SBCCOG
Hon. Brian Johsz	*Chino Hills*	SBCTA
Hon. Patricia Lock Dawson	*Riverside*	District 68
Hon. Patty Senecal	*Seal Beach*	OCCOG
Hon. Jennifer Stark	*Claremont*	SGVCOG
Hon. Ali Taj	*Artesia*	Pres. Appt
Hon. Dale Welty	*Canyon Lake*	WRCOG

Members Not Present

Hon. Ana Beltran	*Westmoreland*	ICTC
Hon. Daniel Brotman	*Glendale*	District 42
Hon. Robert Copeland	*Signal Hill*	GCCOG
Hon. Steven Leash	*Cahuilla Band of Indians*	
Hon. Elaine Litster	*Simi Valley*	VCOG
Hon. Vianey Lopez		Ventura County
Hon. Yasmine-Imani McMorrin	*Culver City*	WCCOG

Hon. Jeannette Sanchez-Palacios	*Ventura*	VCOG
Hon. Suely Saro	*Long Beach*	District 29
Hon. Tamala Takahashi	*Burbank*	SFVCOG
Hon. Connor Traut	*Buena Park*	OCCOG
Hon. Stephanie Virgen	*Coachella*	CVAG

CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chair Denison called the meeting to order at 9:32 a.m. Policy Committee Member Margaret Clark, Rosemead, led the Pledge of Allegiance. Staff confirmed a quorum was present.

PUBLIC COMMENT PERIOD

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

Chair Denison asked if any comments were received after the deadline. SCAG staff acknowledged there were no public comments received after the 5:00 p.m. deadline on September 30, 2026.

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

REVIEW AND PRIORITIZE AGENDA ITEMS

There were no requests to prioritize agenda items.

CONSENT CALENDAR

Approval Items

1. Minutes of the Meeting – September 3, 2026

Receive and File

2. EEC Outlook and Future Agenda Items

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

AYES: Bishop, Cardenas Singh, Chen, Clark, Crosswhite, Davis, Denison, Hernandez, Horne, Huff, Johsz, Lock Dawson, Ramos, Taj, Stark and Welty (16)

NOES: None (0)

ABSTAIN: None (0)

INFORMATION ITEMS

3. Clean and Resilient Utility Infrastructure Study Overview

There were no public comments on item 8.

Ryan Wolfe, Department Manager, presented an overview of SCAG's Clean and Resilient Utility Infrastructure Study, which was scheduled to begin that month. He explained that utility infrastructure was critical to achieving Connect SoCal's goals related to mobility, communities, environment, and the economy. He indicated that utility capacity and readiness affected housing production, transportation electrification, climate resilience, and economic development. He discussed challenges including aging infrastructure, increasing electrification demands, climate related impacts, utility data gaps, and coordination issues between utilities and local governments. Lastly, he outlined the study's objectives, which included evaluating existing utility conditions, forecasting future infrastructure needs, identifying gaps, developing funding and financing strategies, improving regional coordination, and producing a regional utility infrastructure strategic plan by 2028.

4. California's Fifth Climate Change Assessment: Climate Impacts to the Economy

Teevrat Garg, Associate Professor of Economics in the School of Global Policy and Strategy at the University of California San Diego, presented findings from the Climate Impacts to the Economy report, part of California's Fifth Climate Change Assessment. He stated that the report examined climate change through an economic lens, evaluating costs, who bears those costs, and how impacts varied across the state. He indicated that mortality and labor productivity losses represented some of the largest economic damages associated with climate change. He discussed projected increases in heat-related deaths, wildfire smoke impacts, labor productivity losses, risks to property and insurance markets, energy system disruptions, transportation vulnerabilities, water shortages, agricultural losses, and broader economic impacts. He emphasized that climate impacts were unevenly distributed and disproportionately affected vulnerable populations. Lastly, he discussed the Climate Action Learning Lab, a UC San Diego initiative that partnered with local governments to evaluate climate mitigation and adaptation programs using evidence-based approaches.

5. CalHeat Score Overview

Chair Denison stated that due to the unavailability of the virtual presenter for Item 5, the Committee temporarily advanced to Item 6 (CalHEAT Score Overview) and would return to Item 5 (Cool Climate Network: Smart Tools for a Cooler Planet) once the presenter became available.

Walker Weiland, Office of Environmental Health Hazard Assessment, Cal EPA, presented an overview of CalHEAT Score, California's statewide extreme heat risk ranking system. He stated that the tool combined weather, climate, and health data to estimate heat-related health risks for every ZIP code in California. CalHEAT Score assigned daily scores ranging from 0 to 4 based on the likelihood of increased heat-related hospital visits. He indicated that the tool was the first of its kind nationally and incorporated local climate conditions and historical health outcomes. He explained that the system was designed to improve preparedness, increase public awareness, and help individuals and agencies make more informed decisions during extreme heat events. He highlighted applications already underway, including utility shutoff protections, emergency management planning, worker safety messaging, and healthcare interventions. He also described available resources such as cooling-center mapping, historical data archives, public APIs, and user guides.

6. CoolClimate Network: Smart Tools for a Cooler Planet

Dr. Christoper Jones, Director, CoolClimate Network stated that the Cool Climate Network's ClimatePlans tool provided greenhouse gas inventories, climate equity indicators, scenario-planning tools, energy data, housing trends, electrification metrics, and other community-level information for every California city and county. He indicated that the six-county SCAG region represented roughly half of California's greenhouse gas emissions, making regional climate planning particularly important. He discussed how local governments could compare emissions, evaluate equity conditions, analyze transportation and energy trends, and model future climate policies. He emphasized that ClimatePlans was intended to reduce the cost and complexity of creating greenhouse gas inventories and climate action plans while providing consistent methodologies across jurisdictions.

CHAIR'S REPORT

Chair Denison announced that SCAG had released the Seventh Cycle RHNA survey packet, which included the Local Planning Factors Survey and the Affirmatively Furthering Fair Housing Survey. He encouraged all jurisdictions to participate so local conditions and perspectives could be incorporated into the development of the Regional Housing Needs Assessment methodology. The surveys were due by January 29, 2027.

STAFF REPORT

Erik Rodriguez, Senior Government Affairs Officer, reported that applications had opened for the second cohort of the Future Leaders Initiative, a six-month civic leadership program designed to educate emerging leaders about regional planning, public policy, and community engagement. Participants would receive a $500 stipend and engage in workshops, field visits, and regional planning activities. Applications were scheduled to remain open through August 27, 2027.

ANNOUNCEMENT

There were no announcements.

ADJOURNMENT

There being no further business, Chair Denison adjourned the Energy and Environment Committee meeting at 11:12 a.m.

[MINUTES ARE UNOFFICIAL UNTIL APPROVED BY THE EEC]
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ENERGY AND ENVIRONMENT COMMITTEE ATTENDANCE REPORT														
2026-2027														
MEMBERS	**Representing**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**April**	**May**	**Total Mtgs Attended To Date**
Beltran, Ana	Westmoreland, ICTC	0	1		1	0								**2**
Bishop, Art	Apple Valley, SBCTA	1	1		1	1								**4**
Brotman, Daniel	Glendale, RC District 42	1	0		0	0								**1**
Cardenas-Singh, Martha	Imperial County	0	1		1	1								**3**
Chen, Ed	Temple City, SCVCOG	1	1		1	1								**4**
Clark, Margaret	Rosemead, Pres. Apt	1	1		1	1								**4**
Copeland, Robert	Signal Hill, GCCOG	1	0	**D**	1	0								**2**
Crosswhite, Jenny	Santa Paula, RC District 47	1	1		1	1								**4**
Davis, Ned	Westlake Village, LVMCOG	1	0		1	1								**3**
Denison, Rick	Yucca Valley, RC District 11	1	1		1	1								**4**
Garcia, Victoria	San Fernando, Pres. Apt	0	1		1	1								**3**
Hernandez, Carmen	Barstow, SBCTA	1	1	**A**	1	1								**4**
Horne, Shari	Laguna Woods, OCCOG	1	0		1	1								**3**
Huff, Britt	Rolling Hills Estates, SCBCOG	1	1		0	1								**3**
Johsz, Brian	Chino Hills, SBCTA	1	1		1	1								**4**
Leash, Steven	Cahuilla Band of Indians	0	0		0	0								**0**
Litster, Elaine	Simi Valley, VCOG	1	0	**R**	1	0								**2**
Lock Dawson, Patricia	Riverside, District 68	0	1		1	1								**3**
Lopez, Vianey	Ventura County	1	0		1	0								**2**
McMorrin, Yasmine-Imani	Culver City, WCCOG	1	1		1	0								**3**
Ramos, Daniel	Adelanto, SBCTA	1	1		1	1								**4**
Sanchez-Palacios, Jeanette	Ventura, VCOG	1	0	**K**	0	0								**1**
Saro, Suely	Long Beach, RC District 29	1	1		1	0								**3**
Senecal, Patty	Seal Beach, OCCOG	1	1		1	1								**4**
Stark, Jennifer	Claremont, SGVCOG	1	1		1	1								**4**
Taj, Ali	Artesia, Pres. Apt	1	1		1	1								**4**
Takahashi, Tamala	Burbank, SFVCOG	0	1		1	0								**2**
Traut, Connor	Buena Park, OCCOG	0	1		1	0								**2**
Virgen, Stephanie	Coachella, CVAG	0	1		0	0								**1**
Welty, Dale	Canyon Lake, WRCOG	1	1		1	1								**4**

AGENDA ITEM 2

REPORT

Southern California Association of Governments
November 5, 2026

To: EEC - Energy and Environment Committee

From: Ryan Wolfe, Department Manager (S and R)
213-630-1527, wolfe@scag.ca.gov

Subject: EEC Outlook and Future Agenda Items

EXECUTIVE DIRECTOR'S APPROVAL

Kome Ajise

RECOMMENDED ACTION:
Receive and File

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

EXECUTIVE SUMMARY:
In April 2024, SCAG's Regional Council adopted the 2024-2050 Regional Transportation Plan/Sustainable Communities Strategy, Connect SoCal 2024. Following adoption of Connect SoCal 2024, staff developed a 12-month EEC Outlook to carry forward the policy priorities and Implementation Strategies of Connect SoCal 2024. For FY2027, the EEC Outlook reflects outcomes of the 2026 Executive Administration Committee (EAC) Retreat and discussions with the EEC Chair and Vice Chair. The Committee Outlook and Future Agenda Items will be updated monthly as a receive and file item and can be pulled by the Chair for discussion at the request of members for input and modifications.

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

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

In addition, as appropriate within the scope of each Policy Committee, the 2027 Presidential Priorities are incorporated in the Outlook.

- Clean Transportation Technology
- Housing Production
- Regional planning in support of the 2028 Olympic & Paralympic Games
- Infrastructure as Driver of Housing & Economic Development

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

FISCAL IMPACT:
None.

ATTACHMENT(S):
1. PowerPoint - EEC Committee Outlook

Energy and Environment Committee

The Energy & Environment Committee (EEC) shall study and provide policy recommendations to the Regional Council relative to challenges and opportunities, programs and other matters, which pertain to the regional issues of energy and the environment. EEC shall also be responsible for reviewing and providing policy recommendations to the Regional Council on matters pertaining to environmental compliance.

EEC Committee Agenda Outlook for FY2027

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

Date	Agenda Items
July	• Greenprint Tool Overview • Public Release of Draft Transportation Conformity Analyses of Draft 2027 Federal Transportation Improvement Program (FTIP) and Draft Connect SoCal 2024 Amendment 2 • V2X and Smart Technology
Sept	• Transportation Conformity Determinations of Proposed Final 2027 Federal Transportation Improvement Program (FTIP) and Proposed Final Connect SoCal 2024 Amendment 2 • Recommendation to adopt Addendum 2 to the Connect SoCal 2024 Final Program Environmental Impact Report (State Clearinghouse No.: 2022100337) • Approval of 2027 FTIP and Amendment 2 to Connect SoCal 2024 • Regional Wildlife Connectivity Study Overview • Connect SoCal 2050: Regional Planning Policies & Implementation Strategies Updates
Oct	• ~~SB 1087: Briefing and Next Steps~~ *Removed* • Clean and Resilient Utility Infrastructure Study Overview • California's 5th Climate Change Assessment *Added* • CoolClimate Calculator GHG Tool *Added* • CalHeatScore Overview *Added*
Nov	• Request to Release Connect SoCal 2050 PEIR Notice of Preparation • Data Center Policy Approaches • Connect SoCal 2050: Green Region Resource Areas Overview • Overview of SoCal Edison Infrastructure Efforts to Meet Demand *Added* • ~~Resilience Quick Guides~~ *Moved to February*
Dec	**Joint Policy Committee Meeting: Economic Update**

EEC Committee Agenda Outlook for FY2027

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

Date	Agenda Items
Jan	• Connect SoCal 2050 Program Environmental Impact Report (State Clearinghouse No.: TBD): Status Update on Notice of Preparation • Connect SoCal 2050: Draft Performance Measures • Natural and Agricultural Lands Economic and Resilience Benefits Study Ecosystem Benefits • Connect SoCal 2050: Draft Technical Methodology for Sustainable Communities Strategy
Feb	• Transportation Conformity Challenges in the SCAG Region • ~~SCAG Climate Adaptation Planning Guide Update~~ *Moved to June* • Caltech Orbital Solar • Resilience Quick Guides *Moved from November*
Mar	**Joint Policy Committee**
Apr	• Connect SoCal 2050 Program Environmental Impact Report (State Clearinghouse No.: TBD): Status Update on Stakeholder Outreach and Highlights of Preliminary Approaches to Major Components • Connect SoCal Futures: Update
May	**General Assembly**
Jun	• Connect SoCal 2050: Final Performance Measures • Connect SoCal 2050: Policies for Draft Plan • Natural and Agricultural Lands Economic and Resilience Benefits Study White Paper • Clean and Resilient Utility Infrastructure Study Update • SCAG Climate Adaptation Planning Guide Update *Moved from February*

AGENDA ITEM 3

REPORT

Southern California Association of Governments
November 5, 2026

To: EEC - Energy and Environment Committee

EXECUTIVE DIRECTOR'S APPROVAL

From: Katherine Lample, Senior Regional Planner (S and R)
213-630-1448, lamplek@scag.ca.gov

Subject: Data Center Policy and Regulation

RECOMMENDED ACTION:
Information Only – No Action Required

STRATEGIC PRIORITIES:
This item supports the following Strategic Priority 1: Establish and implement a regional vision for a sustainable future. 3: Spur innovation and action through leadership in research, analysis and information sharing.

EXECUTIVE SUMMARY:
Data center development continues to increase alongside the growing demand for cloud computing, artificial intelligence (AI), digital services, and data storage. While data centers can provide significant economic and technological benefits, they also present planning, energy, water, land use, and environmental considerations for local and regional governments. As communities across California experience increased demand for digital infrastructure, policymakers are evaluating approaches to balance innovation and economic development objectives with sustainability, resource management, and community impacts.

This session will feature a presentation by Camille Crittenden, executive director of the Center for Information Technology Research in the Interest of Society (CITRIS) and the Banatao Institute, who will provide an overview of current trends in data center development, evolving policy and regulatory frameworks.

BACKGROUND:
The rapid growth of cloud-based services, artificial intelligence technologies, and digital commerce has increased demand for data centers across the United States.

As data center development accelerates, policymakers and planning agencies are increasingly evaluating the implications of these facilities on energy systems, water resources, land use patterns, economic development strategies, and community infrastructure. Data centers can attract private

investment and support economic growth, but they may also generate substantial electricity demand, require water resources for cooling, and necessitate upgrades to utility infrastructure.

Reflecting these considerations, California recently enacted a suite of legislation addressing data center development and operations. The new laws require enhanced reporting of energy and water consumption, increase transparency for local governments reviewing proposed data center projects, and establish mechanisms intended to ensure that infrastructure and utility costs associated with large data center facilities are borne by project developers rather than shifted to other ratepayers. Additional provisions require disclosures related to water use and resource planning and strengthen the information available to local agencies during entitlement and environmental review processes.

As local governments, utilities, and regional agencies continue to plan for increased digital infrastructure needs, understanding the opportunities and challenges associated with data center development will become increasingly important.

To provide additional insight into emerging data center trends and regulatory considerations, this item will feature a presentation from:

- Camille Crittenden, Ph.D., is the executive director of the Center for Information Technology Research in the Interest of Society (CITRIS) and the Banatao Institute and co-founder of the CITRIS Tech Policy initiative (formerly the CITRIS Policy Lab) and EDGE (Expanding Diversity and Gender Equity) in Tech at the University of California. She served as chair of the California Blockchain Working Group in 2019–20 and co-chaired the Student Experience subcommittee of the University of California's Presidential Working Group on Artificial Intelligence. She continues to serve on the UC AI Council.

FISCAL IMPACT:
None.

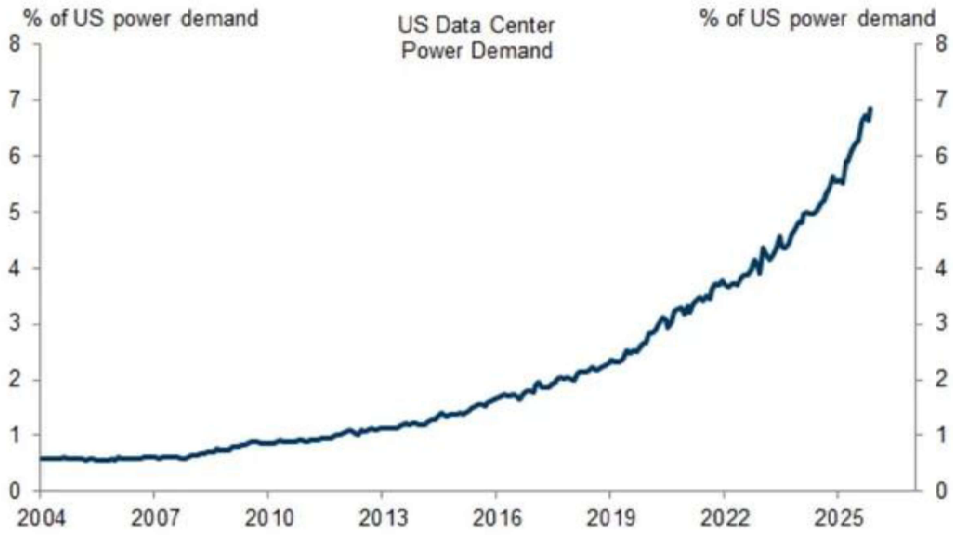
ATTACHMENT(S):
1. PowerPoint Presentation – Data Center Community Impact and Policy Responses

Data Centers: Community Impact and Policy Responses

SCAG Presentation
November 5, 2026

Camille Crittenden
Executive Director
CITRIS and the Banatao Institute

Data Center Power Demand



Source: Goldman Sachs Global Investment Research, Department of Energy, Aterio

Data center water demand

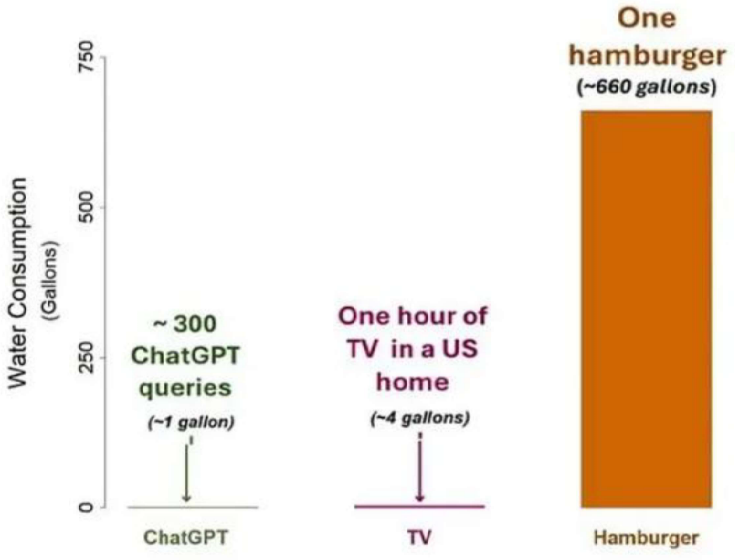
Nationally, U.S. golf courses use **roughly 2 to 30 times more water** than all U.S. data centers combined, though the true ratio depends on whether you measure direct on-site cooling or include indirect power-generation usage.

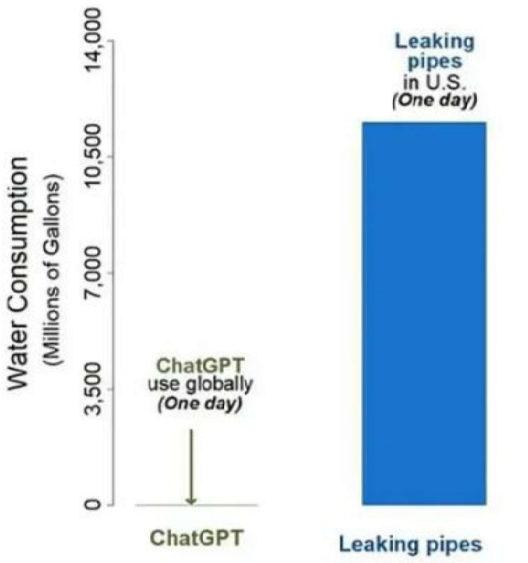
U.S. Golf Courses	Data Centers (Direct)	Data Centers (Combined)
500–550 B Gallons / Year	**17–20 B** Gallons / Year	**228–449 B** Gallons / Year
Primarily for turf irrigation across ~16,000 facilities (~2 billion gallons per day).	Consumed on-site directly for server cooling equipment.	Includes water footprint of power plants generation. Golf course irrigation still surpasses total DC usage by >2x.

National & Global Scale Context

U.S. beef production and overall livestock systems consume orders of magnitude more water than all data centers combined—with estimates showing livestock uses roughly **130 to 200 times more** fresh water than projected totals for AI data centers.

Water consumed using ChatGPT vs other activities





Sources: Li, Ren et al., 2023; U.S. Census Bureau; UNEP

Liemberger & Wyatt, 2019 ; Liemberger & Wyatt, 2020

Environmental dimensions of AI infrastructure

Energy demand

- AI workloads are far more energy-intensive than traditional computing.

Water use

- Many data centers rely on *potable* water for cooling.

Location and grid impact

- Data center siting affects local electricity systems and renewable integration.

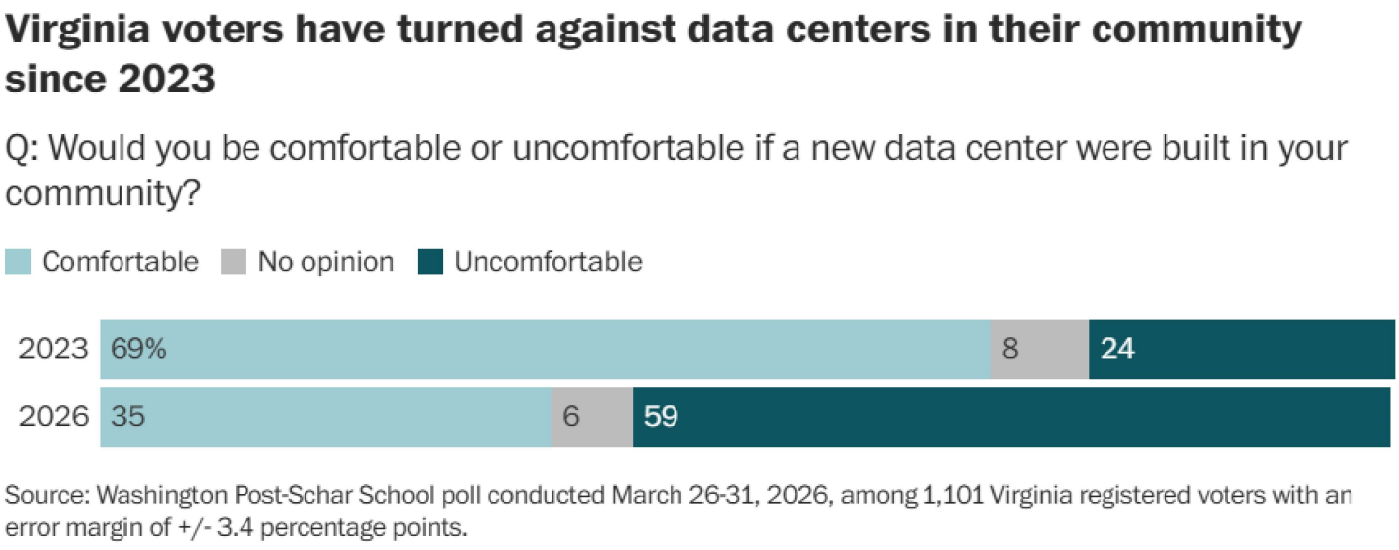
Environmental degradation

- Data centers can destroy habitats, drain local aquifers, disturb ecosystems and residential communities from constant noise and lighting

Embodied carbon

- The manufacturing and turnover of GPUs and specialized chips also carry environmental costs.

Shift in sentiment



Directions for responsible scaling

📈 Transparency and measurement

Companies, universities, govt should track and disclose the **energy and carbon footprint of AI workloads**.

⚖️ Responsible compute governance

Institutions may need frameworks that prioritize **high-impact research uses of AI** rather than unlimited compute growth.

Infrastructure Innovation

Key Opportunities Include:

🌱 Carbon-Free Energy

Data centers powered by **carbon-free energy**

🔋 Distributed Energy Sources

Distributed energy sources (batteries, homes, vehicles)

⚡ Smarter Workload Scheduling

Smarter **scheduling** of AI workloads

💻 Hardware & Model Efficiency

More energy-efficient AI models and hardware

Emerging regulation in California: 1 Bill passed in 2025

Ratepayer Protection Law (Enacted)

California **Senate Bill 57** (Signed 2025, Author: Sen. Steve Padilla)

Key Mandates:

- CPUC to study data center demand impact on grid costs.
- Prevent infrastructure cost shifts to residential customers.

Policy Goal:

Ensure AI data centers are **not subsidized by ordinary ratepayers**. Requires special tariffs to recover full service costs.

Bottom Line: CA treats hyperscale data centers as "large industrial loads."

7 New Data Center Laws Signed in Sept 2026

1. Ratepayer & Grid Protections (Cost-Shifting)

- **SB 886 (Sen. Steve Padilla / Sen. Jerry McNerney) & AB 2383 (Asm. Rick Chavez Zbur):** Require the California Public Utilities Commission (CPUC) to establish rate structures ensuring tech companies pay the full cost of grid connections and power generation.
- **SB 1168 (Sen. Jerry McNerney):** Regulates data center rate structures

2. Water Use Disclosures & Infrastructure

- **AB 2469 (Asm. Diane Papan):** Developers must disclose projected water usage, local water availability, cooling efficiency plans, and drought-mitigation strategies to local governments and water suppliers before project approval.
- **AB 2619 (Asm. Diane Papan):** Data center operators must bear the full financial burden of any public water infrastructure upgrades required to service their facilities.

3. Environmental Review & Land Use

- **SB 887 (Sen. Steve Padilla):** Prevents data center developments from bypassing standard California Environmental Quality Act (CEQA) reviews.
- **AB 1577 (Asm. Rebecca Bauer-Kahan):** Expands local government oversight and community input mechanisms, requiring data center projects to comply with local land-use, noise, and environmental standards.

ed data centers, 34
CA (June 2026)

https://www.datacentermap.com/usa/california/

Data center trackers

DataCenterData

https://datacenterdata.com
(includes city & county data)

https://lawsignals.com/data-centers-energy

Recent State-Level Data Center Legislation (Outside CA)

Key measures enacted in the last 6 months (April 22 – October 22, 2026)

State	Legislation / Timing	What It Does	Key Focus
Florida	**SB 484 — Data Centers** *Effective July 1, 2026*	• Requires utilities to develop large-load tariffs so data centers pay their own service costs (rather than shifting costs to other ratepayers). • Establishes special water-use permitting requirements for large-scale data centers and allows reclaimed-water requirements.	Cost allocation & water use
Virginia	**2026–28 budget, Item 3-5.24** *Effective July 1, 2026*	• Imposes a temporary $0.011 per kWh electricity consumption tax on data center operators through June 30, 2028. • Also covers qualifying self-generated electricity.	Electricity tax
Arizona	**HB 4168** *Signed June 2026*	• Pauses applications for new computer data center tax releif from July 1, 2026, through June 30, 2029. • Existing certifications are not generally repealed by this provision.	Tax incentives
New Jersey	**S3379** *Enacted August 2026*	• Requires data center owners and operators to submit semiannual water- and energy-use reports to the Board of Public Utilities. • Reporting includes water sources and consumption, electricity use, and other operating and sustainability indicators.	Transparency & reporting
Delaware	**HB 233A and HB 445** *Enacted 2026*	• Enacted changes to laws governing large energy-use facilities. (Check enrolled bills for specific provisions.)	Environmental & siting oversight

Common emerging policy tools

Make data centers pay their infrastructure costs

Large-load tariffs, cost-of-service requirements, and electricity taxes.

Reconsider public subsidies

Pausing, reducing, or eliminating tax exemptions and credits.

Increase transparency

Mandatory reporting of water consumption, electricity use, and resource sources.

Strengthen environmental & siting oversight

Special water permits, environmental review, and temporary permitting pauses.

Federal landscape

Power for the People Act (Sen. Chris Van Hollen) Legislation would require corporations – not the American people – to pay for data centers' expansion; take measures

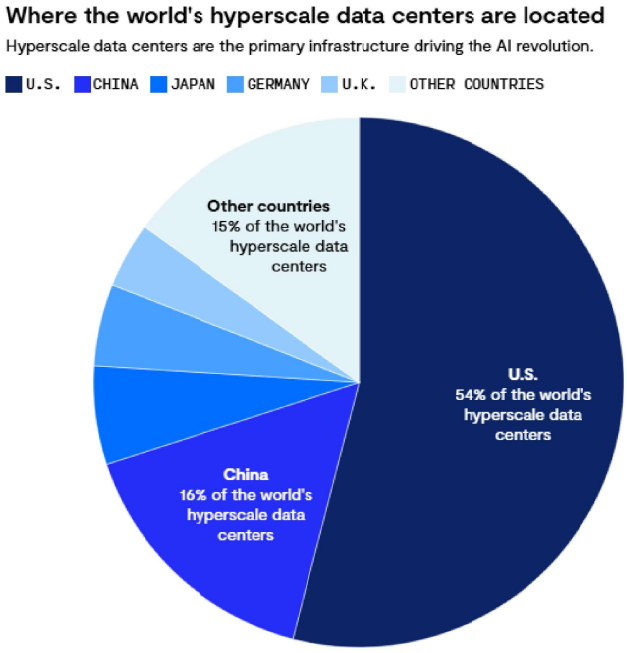
FERC Launches Aggressive Targeted Action to Speed Large

on

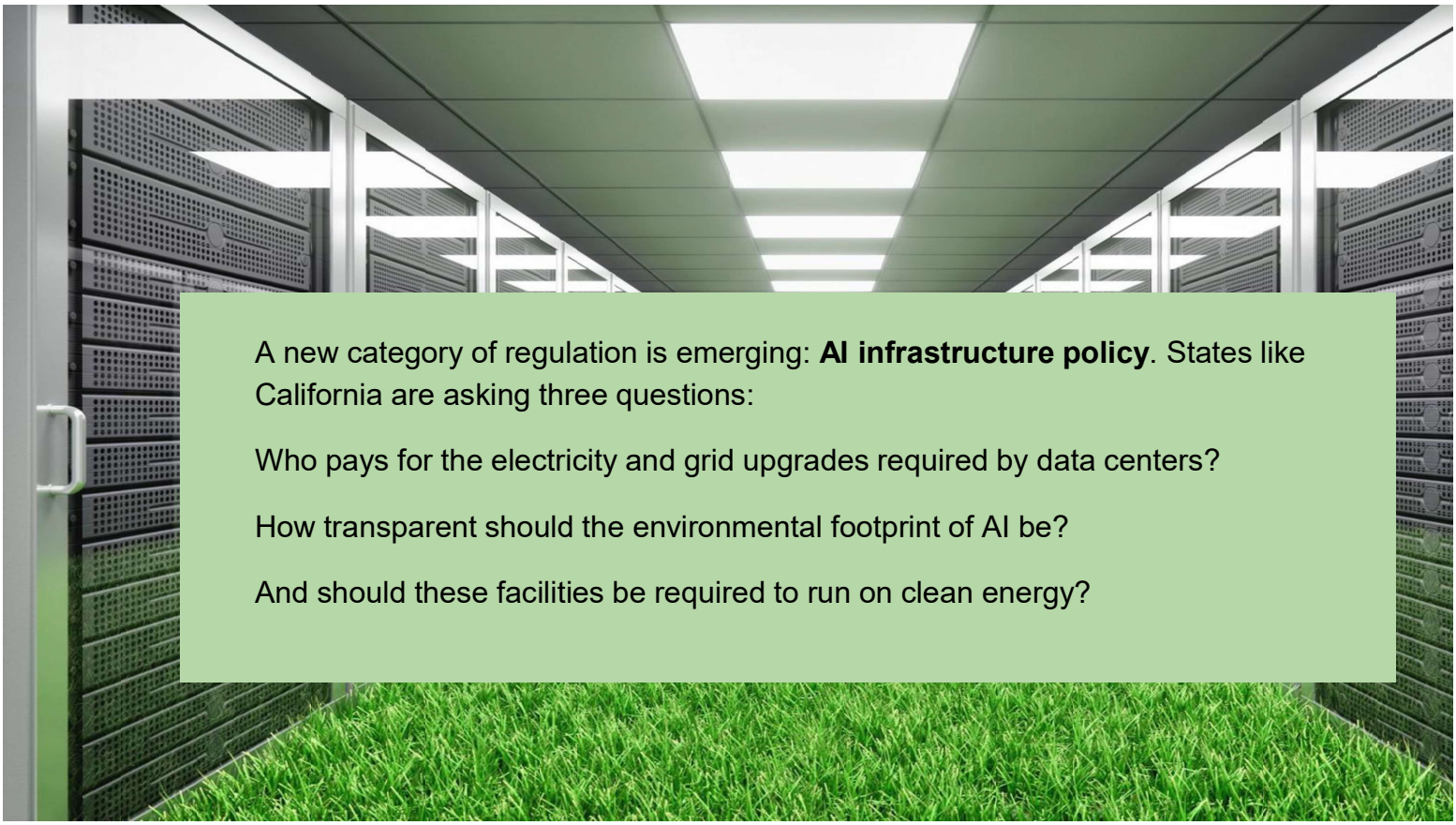
NEWS: Sanders, Ocasio-Cortez Announce AI Data Center Moratorium Act

March 25, 2026

International landscape



- India announced a 20-yr tax holiday for foreign cloud providers in March 2026.
- While the government tries to fast-track land for data center hubs, it faces resistance from farmers over opaque acquisition processes and the loss of fertile agricultural land.
- Google and Microsoft's projects are under fire for alleged encroachments and threats to water resources.



A new category of regulation is emerging: **AI infrastructure policy**. States like California are asking three questions:

Who pays for the electricity and grid upgrades required by data centers?

How transparent should the environmental footprint of AI be?

And should these facilities be required to run on clean energy?

AGENDA ITEM 4

REPORT

Southern California Association of Governments
November 5, 2026

To: EEC - Energy and Environment Committee

From: Ryan Wolfe, Department Manager (S and R)
213-630-1527, wolfe@scag.ca.gov

Subject: Overview of SoCal Edison Infrastructure Efforts to Meet Demand

EXECUTIVE DIRECTOR'S APPROVAL

Kome Ajise

RECOMMENDED ACTION:
Information Only - No Action Required

STRATEGIC PRIORITIES:
This item supports the following Strategic Priority 1: Establish and implement a regional vision for a sustainable future. 3: Spur innovation and action through leadership in research, analysis and information sharing.

EXECUTIVE SUMMARY:
Southern California Edison (SCE) will provide a presentation on its efforts to meet current and future electricity demand across Southern California. Reliable electricity infrastructure is essential to supporting existing communities, future housing and employment growth, and an evolving transportation system, and is critical for meeting Connect SoCal 2024 goals and objectives.

BACKGROUND:
Electricity infrastructure serves as a foundational component of the Southern California economy and quality of life. It is responsible for supplying an increasing share of our regional energy supply as both existing and new buildings and the transportation system continue to electrify.

Accommodating both existing and future demand requires sufficient infrastructure investments to ensure reliable electric service, support long-term economic competitiveness, and energy resilience. Coordinated planning between energy providers, local governments, transportation agencies, the private sector, and other stakeholders is important to ensure that infrastructure investments support these objectives and sustainability goals.

As the primary electricity provider for much of the SCAG region, SoCal Edison (SCE) plays a critical role in the long-term energy resilience of the region. SCE's presentation will provide an overview of its infrastructure efforts to meet current and future electricity demand and the regional and local partnerships that are needed.

Ruby Rose Yepez, a Senior Advisor with SoCal Edison, will present. She collaborates with builders, developers, jurisdictions, and national customers to accelerate electrification, decarbonization, and clean energy adoption. She has also led strategic customer engagement initiatives supporting infrastructure planning and large-scale energy projects. Ruby holds a Bachelor of Architecture, and a Master of Public Administration from Cal Poly Pomona.

FISCAL IMPACT:
None.

ATTACHMENT(S):
1. PowerPoint Presentation - SCE Load Growth

Energy and Environment Committee

11.05.2026

Ready Grid: Preparing the Grid for California's Future

Ready Grid is a new organization within SCE's System Planning & Engineering

- Focusing on enhancing SCE's ability to interconnect new load as expeditiously as possible
  - Obtain early insights on future interconnection requests for capacity planning process
  - Identify opportunities internally to support process improvements for customer interconnections
  - Support solutioning of complex customer interconnection requests

Pathways to Energization

Engineering Analysis Report (EAR)

- Purpose: Tailored report by SCE engineers evaluating power availability and estimating infrastructure build time if needed
- Best for: Distribution-level service
- Timeline: ~45 business days
- Fee: $3,000 (paid in advance, non-refundable) (Partial) or Free (Full Submittal)
- Ideal for: Customers needing a detailed review of distribution-level capacity to determine if the existing system can support the proposed load and what upgrades may be required

Method of Service (MOS)

- Purpose: Comprehensive study for high-voltage service planning and system impact analysis
- Best for: Sub-transmission level service (typically 66 kV and above)
- Timeline: ~9–12 months
- Fee: $50,000–$150,000
- Ideal for: Large-scale projects like industrial facilities requiring high-voltage service and infrastructure planning

Collaboration

Early Engagement

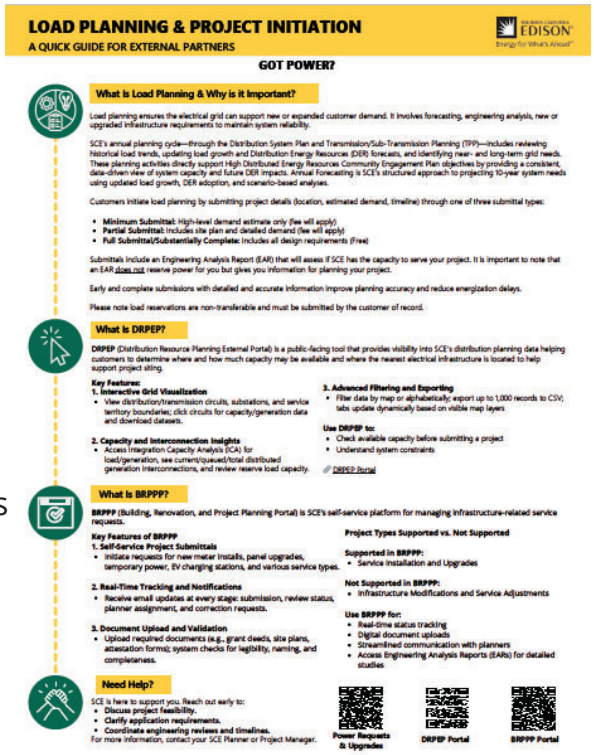
- Use this one-pager as a standard resource to help customers better understand the load planning and project initiation process.
- The Ready Grid team will strategically engage cities, counties, and customers to encourage early conversations with SCE, improving planning accuracy and helping reduce downstream delays.

Transparency

- Continuing proactive conversations on capacity constraints and hot spots as SCE enhances forecasting through early, data-driven insights.

Support

- Advocate for early planning and timely infrastructure approvals to help ensure the grid is ready before demand arrives. CHANGE AS NEEDED



LOAD PLANNING & PROJECT INITIATION

A QUICK GUIDE FOR EXTERNAL PARTNERS

GOT POWER?

What Is Load Planning & Why is it Important?

Load planning ensures the electrical grid can support new or expanded customer demand. It involves forecasting, engineering analysis, new or upgraded infrastructure requirements to maintain system reliability.

SCE's annual planning cycle—through the Distribution System Plan and Transmission/Sub-Transmission Planning (TPP)—includes reviewing historical load trends, updating load growth and Distribution Energy Resources (DER) forecasts, and identifying near- and long-term grid needs. These planning activities directly support High Distributed Energy Resources Community Engagement Plan objectives by providing a consistent, data-driven view of system capacity and future DER impacts. Annual Forecasting is SCE's structured approach to projecting 10-year system needs using updated load growth, DER adoption, and scenario-based analyses.

Customers initiate load planning by submitting project details (location, estimated demand, timeline) through one of three submittal types:

- **Minimum Submittal:** High-level demand estimate only (fee will apply)
- **Partial Submittal:** Includes site plan and detailed demand (fee will apply)
- **Full Submittal/Substantially Complete:** Includes all design requirements (Free)

Submittals include an Engineering Analysis Report (EAR) that will assess if SCE has the capacity to serve your project. It is important to note that an EAR does not reserve power for you but gives you information for planning your project.

Early and complete submissions with detailed and accurate information improve planning accuracy and reduce energization delays.

Please note load reservations are non-transferable and must be submitted by the customer of record.

What is DRPEP?

DRPEP (Distribution Resource Planning External Portal) is a public-facing tool that provides visibility into SCE's distribution planning data helping customers to determine where and how much capacity may be available and where the nearest electrical infrastructure is located to help support project siting.

Key Features:

1. Interactive Grid Visualization
- View distribution/transmission circuits, substations, and service territory boundaries; click circuits for capacity/generation data and download datasets.

2. Capacity and Interconnection Insights
- Access Integration Capacity Analysis (ICA) for load/generation, see current/queued/total distributed generation interconnections, and review reserve load capacity.

3. Advanced Filtering and Exporting
- Filter data by map or alphabetically; export up to 1,000 records to CSV; tabs update dynamically based on visible map layers

Use DRPEP to:
- Check available capacity before submitting a project
- Understand system constraints

DRPEP Portal

What is BRPPP?

BRPPP (Building, Renovation, and Project Planning Portal) is SCE's self-service platform for managing infrastructure-related service requests.

Key Features of BRPPP

1. Self-Service Project Submittals
- Initiate requests for new meter installs, panel upgrades, temporary power, EV charging stations, and various service types.

2. Real-Time Tracking and Notifications
- Receive email updates at every stage: submission, review status, planner assignment, and correction requests.

3. Document Upload and Validation
- Upload required documents (e.g., grant deeds, site plans, attestation forms); system checks for legibility, naming, and completeness.

Project Types Supported vs. Not Supported

Supported in BRPPP:
- Service Installation and Upgrades

Not Supported in BRPPP:
- Infrastructure Modifications and Service Adjustments

Use BRPPP for:
- Real-time status tracking
- Digital document uploads
- Streamlined communication with planners
- Access Engineering Analysis Reports (EARs) for detailed studies

Need Help?

SCE is here to support you. Reach out early to:
- Discuss project feasibility.
- Clarify application requirements.
- Coordinate engineering reviews and timelines.

For more information, contact your SCE Planner or Project Manager.

Power Requests & Upgrades | DRPEP Portal | BRPPP Portal

Early & Often Engagement

Early engagement on Long-Term Electrification Plan is critical, customers should contact SCE as Early as Possible to discuss their forecasts.

While ***each location has different levels of capacity and complexity***, SCE strongly suggest that applicant should inform us as follows:

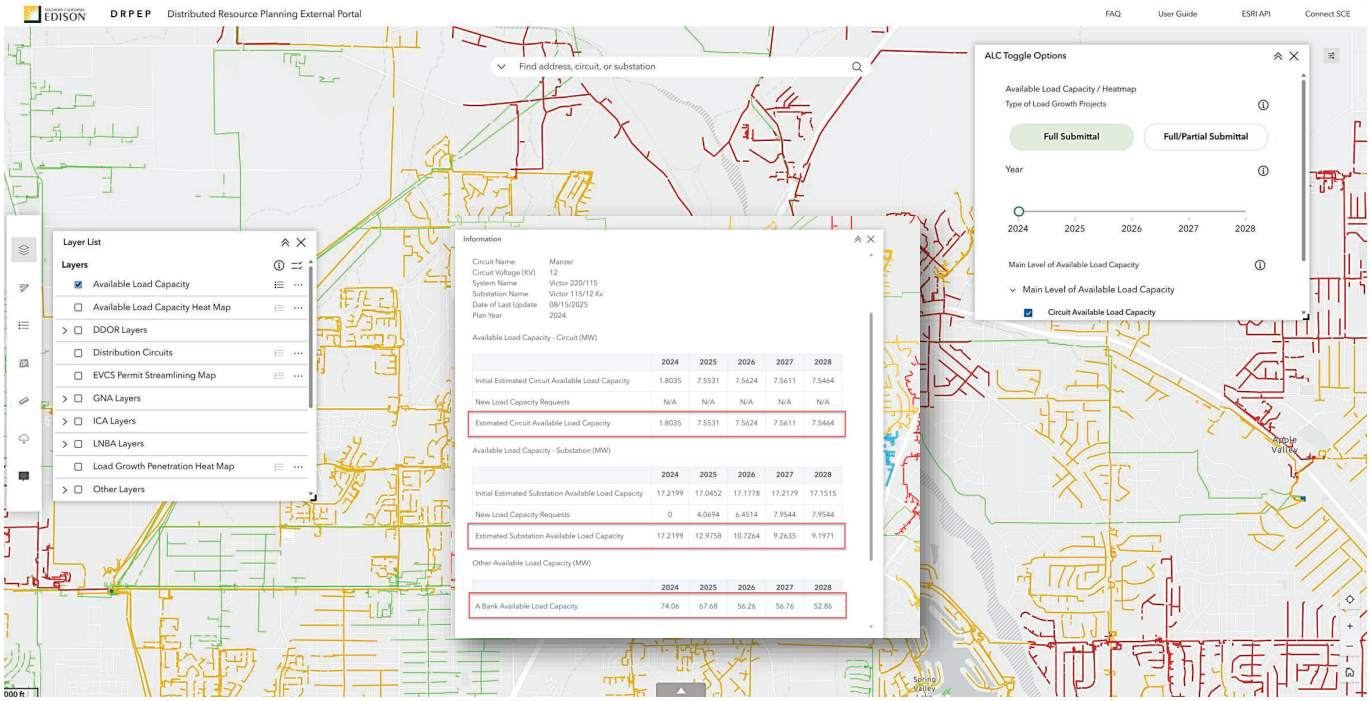
- **Any Size Project**: No less then 2 years
- **3-10 MW Project**: No less then 3 years
- **10-15 MW Project**: No less then 5 years

*Timing **depends on the capacity & complexity of the localized distribution grid**. The times suggested above are for guidance only and may be longer if project with licensing requirements are triggered

System Upgrades Take Time! Approximately….

- ***3+ years for moderate upgrades*** (e.g., new circuits)
- ***6+ years for major upgrades*** (e.g., new substations)

Distribution Resource Planning External Portal (DRPEP)



[Power Requests and Upgrades | SCE]

Known Loads vs Pending Loads

A **Known Load** is created when a customer submits a complete (full submittal) application for electric service.

- Known loads represent committed projects
- They are fully included in grid planning and construction schedules.

Pending loads are future electricity needs that are likely to happen but are not yet formal service requests. They help us plan grid upgrades earlier, before customers officially apply for service, so power is available when projects are ready.

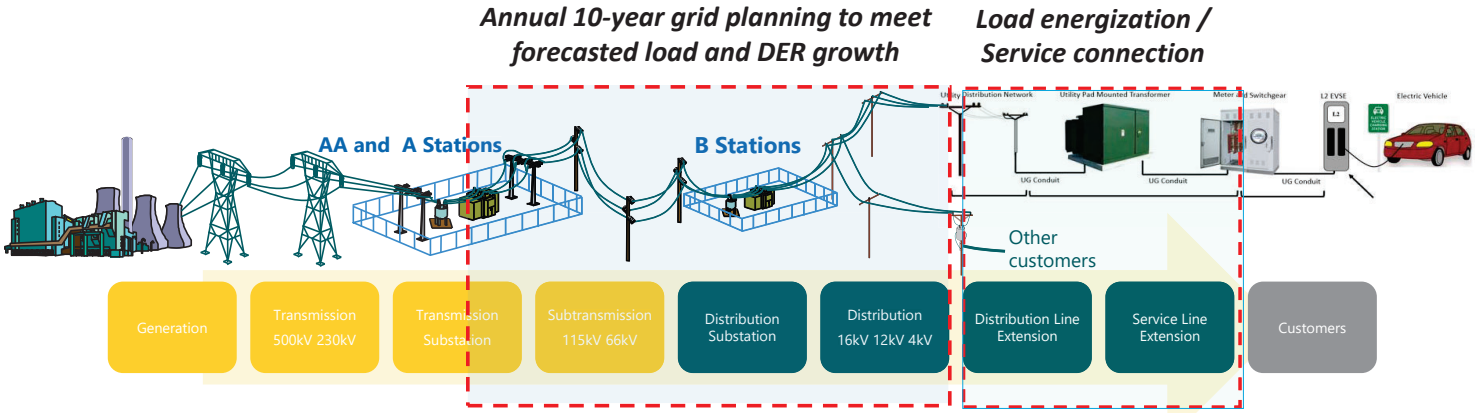
- Pending loads are used only for planning, **not** to reserve power.
  - ✓ Inform where grid upgrades may be needed
  - ✓ Help identify future capacity constraints
  - ✓ Are reviewed and updated every year as projects mature or change

If a project does not move forward, plans can be adjusted to avoid unnecessary investment.

The **Distribution Planning Process (DPP)** is an annual planning process that evaluates current and future electricity demand by considering both **known loads and pending loads**, allowing utilities to proactively plan grid capacity upgrades to support growth.

New Pending Load Criteria

- CPUC now allows high-confidence customer and study-based pending loads to inform proactive grid planning—within defined criteria.
- Pending loads are evaluated based on confidence and data quality, allowing higher-confidence customer and study-based loads to inform proactive grid planning while maintaining safeguards against over-building.

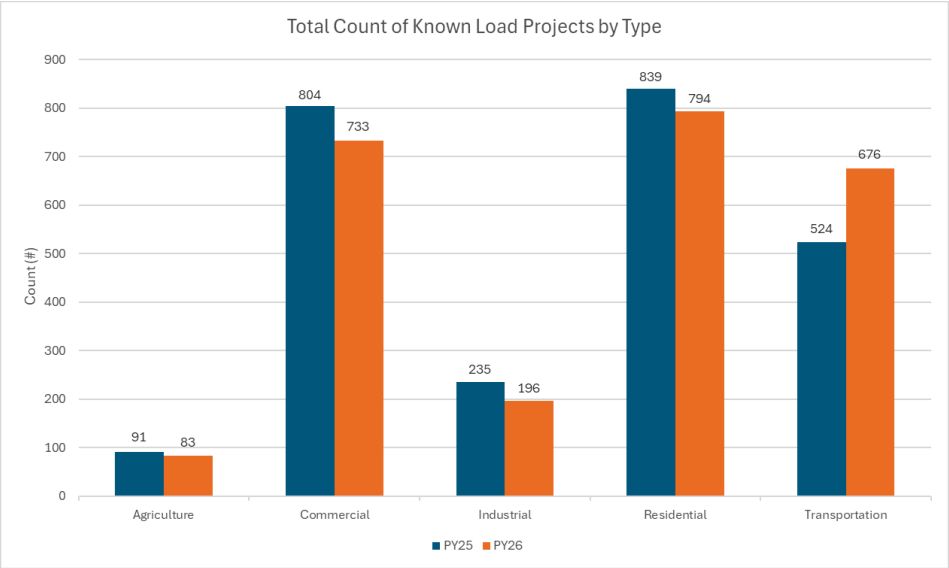


The Electrical Grid

Rule 15, 16, 29, 20, etc.

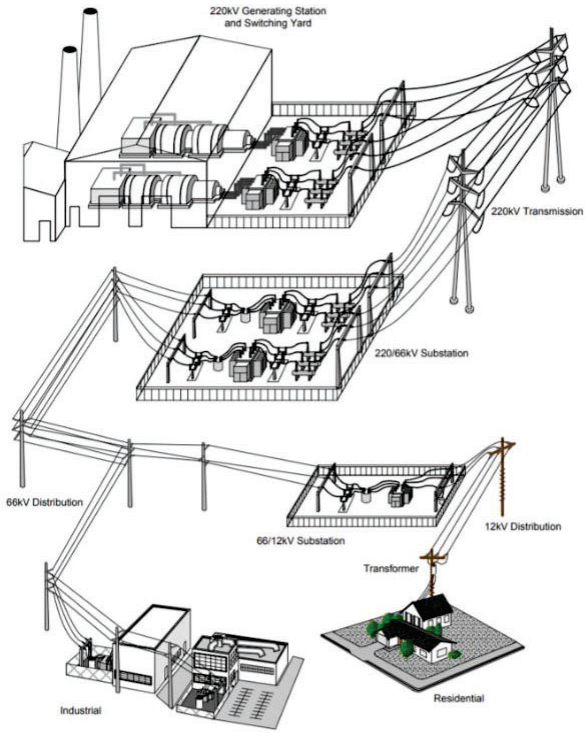
Total of All Known Loads by Type

- Residential and Commercial categories account for the highest number of projects in PY25 & PY26.
- Transportation projects experienced the largest increase in project count, growing from 524 projects in PY25 to 676 projects in PY26 (+29%).



Components of the Electrical Grid

- **Generation:** Power plants that produce electricity.
- **Transmission:** High-voltage lines that carry electricity over long distances.
- **Substations and Transformers:** Equipment that steps up or down voltage levels for efficient transmission and distribution.
- **Distribution:** Local networks that deliver electricity to homes and businesses.



Major Electrical Infrastructure Projects

- **Alberhill System Project-** 500/115 kV Substation and two 500 kV transmission line segments to connect Serrano-Valley 500 kV line and 115 kV sub-transmission in **Riverside County**.
- **Calcite Substation Project–** 220 kV Substation and generation tie line to connect Advantus Sienna Solar + Storage Project in **San Bernardino Co**.
- **Commerce Energy Project–** 220 kV generation tie line from the Laguna Bell Substation in City of **Commerce**.
- **Corum-Goldtown 66 kV Relocation Project-** two 500 kV generation tie lines to SCE's Windhub Substation in **Mojave**.
- **Del Valle 66 kV Substation Project**– a new 66/16 kV substation and 66 kV sub-transmission line rebuild near **Santa Clarita**.
- **Kramer-Victor Rebuild Project-** upgrade existing 115 kV to 230 kV transmission line in unincorporated San Bernardino Co. near **Adelanto, and Victorville**.
- **Mesa-Mira Loma Transmission Project-** 3.7-mile, 500kV additional underground cable on **Chino Hills** portion of the line.

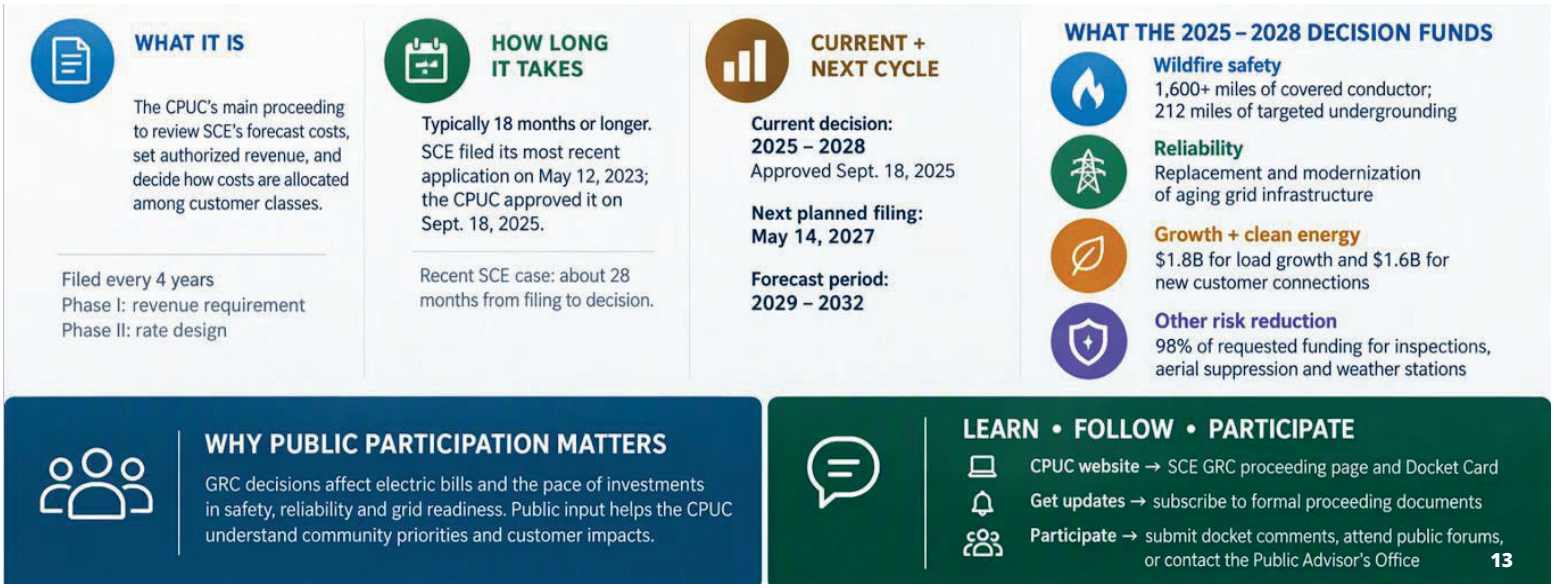
Major Electrical Infrastructure Projects

- **Off Road 115/12 kV Substation-** 15-mile line and a 115/ 12 kV substation to serve portion **San Bernardino Co**.
- **Orange Regional Powerlink-** 30-mile, 500 kV transmission line to connect the Serrano Substation in **Orange County** to a new substation near SONGS.
- **Riverside Transmission Reliability Project-** a 10-mile, double-circuit 220 kV transmission line (joint between SCE and **Riverside** Public Utilities).
- **Timepiece 115/33 kV Substation Project-** a new 115/33 kV substation for **Apple Valley, Victorville and unincorporated San Bernardino Co**.
- **Transmission Line Rating Remediation/El Dorado-Pisgah-Lugo Project-** 35-mile remediation of existing 220 kV transmission lines from **Hesperia** to Clark County, Nevada.

NOTE: This is not an exhaustive list of all pending major infrastructure projects in SCE's service area. It is a representation of projects in various stages of planning, licensing, and permitting.

General Rate Case

Rising electricity demand requires grid investment. In the General Rate Case (GRC), public input helps inform CPUC decisions on which utility costs customer rates may cover.



SOUTHERN CALIFORNIA EDISON®

Questions?

AGENDA ITEM 5

REPORT

Southern California Association of Governments
November 5, 2026

To: EEC - Energy and Environment Committee

EXECUTIVE DIRECTOR'S APPROVAL

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

Subject: Connect SoCal 2050: Green Region Resource Areas Overview

RECOMMENDED ACTION:
Information Only – No Action Required

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

EXECUTIVE SUMMARY:
Green Region Resource Areas (GRRAs) are central to shaping SCAG's Forecasted Regional Development Pattern, required by SB 375, which aims to reduce greenhouse gas emissions from cars and light trucks. GRRAs highlight where future growth may be less feasible or recommended due to sensitivities to climate hazards, habitat areas, agricultural areas, and conserved areas. The GRRA dataset for Connect SoCal 2050 is organized into three overarching categories, with seven topic areas that align with the Regional Planning Policies for Climate Resilience and Natural and Agricultural Lands Preservation: Climate Hazards (topic areas: flood hazard, sea level rise, wildfire risk); Habitat Areas (topic areas: habitat value, wildlife corridors, aquatic resources); Agriculture (topic area: farmland). Areas throughout the region receive a score based on the number of overlapping topic areas.

BACKGROUND:
As Southern California faces unprecedented resilience challenges, it is essential to align regional land use and transportation strategies to plan for growth, promote sustainability, protect the region's natural resources, and reduce future climate-related risks. Green Region Resource Areas (GRRAs) are central to shaping SCAG's Forecasted Regional Development Pattern, required by SB 375, which aims to reduce greenhouse gas emissions from cars and light trucks. SCAG uses Priority Development Areas (PDAs) and GRRAs to guide how growth is distributed in the Forecasted Regional Development Pattern, specifically towards areas with lower Vehicle Miles Traveled and away from environmentally sensitive areas. GRRAs highlight where future growth may be less feasible or recommended due to sensitivities to climate hazards, habitat areas, agricultural areas, protected open space, conservation easements, conservation plans' reserve designs, as well as military establishments and Tribal nations.

Importantly, PDAs and GRRAs do not change the overall growth projected for counties or the region. Instead, they provide a framework for where growth is most feasible or constrained. Together, these tools help SCAG advance regional sustainability goals while respecting local land use authority.

The GRRAs dataset is organized into three overarching categories that align with the preliminary draft Regional Planning Policies shared with the Connect SoCal 2050 Subcommittee in October 2026:

> CLIMATE RESILIENCE Support planning, funding, and implementing practices and infrastructure that increase regional and local resilience, including nature-based solutions. Prioritize adaptation and resilience for communities, populations, and infrastructure that are most vulnerable to climate hazards.
>
> NATURAL AND AGRICULTURAL LANDS PRESERVATION Prioritize the preservation, maintenance, and enhancement of natural and agricultural lands to ensure their resilience, economic, natural, and climate mitigation and adaptation benefits.

Within the three overarching GRRA dataset categories, the seven topic areas are: Climate Hazards (topic areas: flood hazard, sea level rise, wildfire risk); Habitat Areas (topic areas: habitat value, wildlife corridors, aquatic resources); Agriculture (topic area: farmland). Areas throughout the region receive a score based on the number of topic areas that overlap, with possible scores ranging from 0 to 7. This approach identifies areas where multiple constraints overlap, particularly those combining climate hazards and habitat areas.

Conserved areas—such as protected open space, conservation easements, military installations, Tribal lands, and natural community conservation plan and habitat conservation plan (NCCP/HCP) reserve designs—are excluded from scoring because they are legally protected from growth to a varying degree.

The next Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), Connect SoCal 2050, is being prepared for adoption by the Regional Council by spring 2028. GRRAs are a key technical input into the Forecasted Regional Development Pattern which supports the development of Connect SoCal 2050.

Through the Local Data Exchange (LDX) process, SCAG jurisdictions review and provide input on the Forecasted Regional Development Pattern. The finalized household and employment growth projection data are utilized to conduct required modeling analysis and to generally illustrate how regional policies and strategies may be reflected at the neighborhood level. This formal process for participation in Connect SoCal 2050 began in April 2026 with input due to SCAG by November 20, 2026.

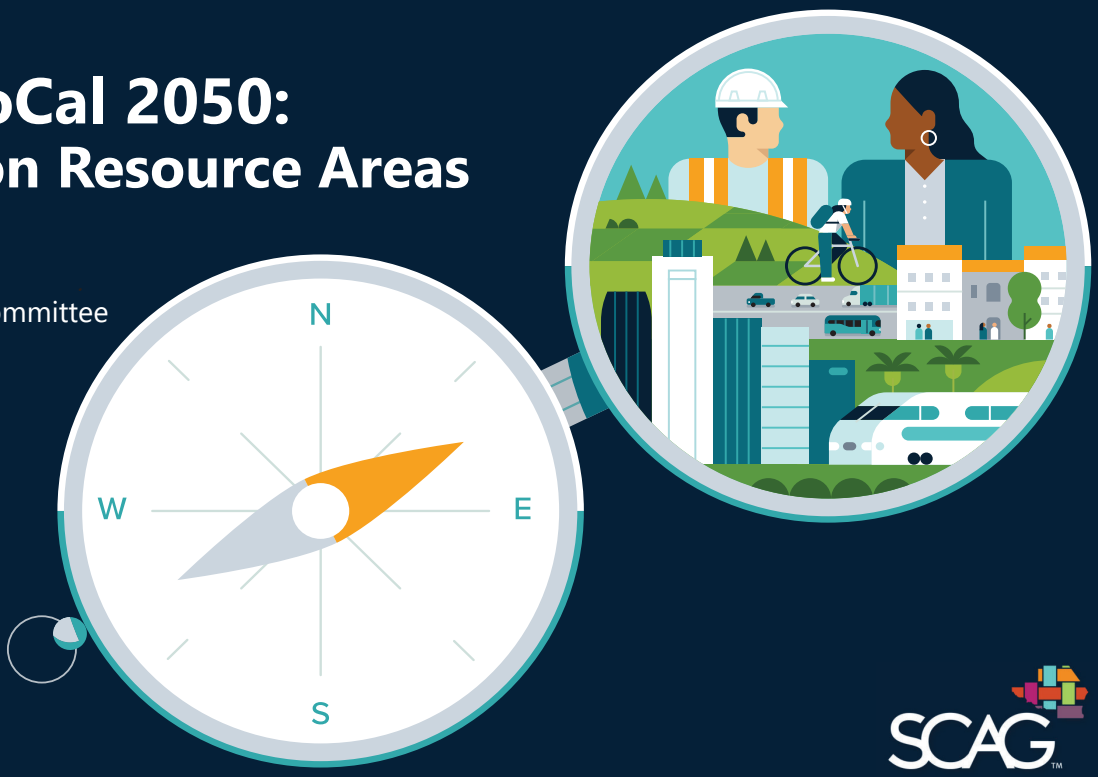
The related Regional Planning Policies will be refined during the plan development process through further discussions with the Connect SoCal 2050 Subcommittee, Policy Committees and outreach to the public.

FISCAL IMPACT:
There is no fiscal impact with this report. Work performed is funded through task 310.4874.01.

ATTACHMENT(S):
1. PowerPoint Presentation - CSC2050 Green Region Resource Areas
2. Green Region Resource Areas (GRRA) Datasets

Connect SoCal 2050:
Green Region Resource Areas

November 5th, 2026
Energy & Environment Committee



SCAG

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AGENDA

- **SB 375 Sustainable Communities Strategy Requirements**
- **Green Region Resource Areas (GRRAs) Background**
- **Methodology**
- **Example Case**

Connect SoCal

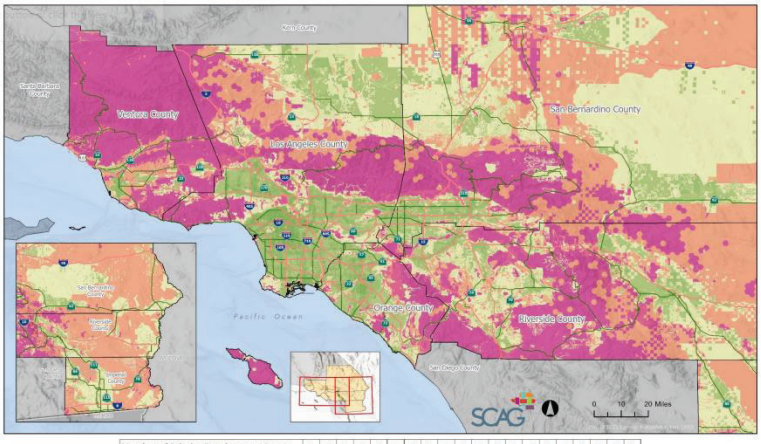
Regional Transportation Plan

Sustainable Communities Strategy

A long-term vision for how the region will address transportation and land use challenges and opportunities.

SB 375 - Forecasted Regional Development Pattern

"set forth a forecasted development pattern for the region, which, when integrated with the transportation network, and other transportation measures and policies, will reduce the greenhouse gas emissions from automobiles and light trucks to achieve, if there is a feasible way to do so, the greenhouse gas emission reduction targets approved by the state board, and (viii) allow the regional transportation plan to comply with Section 176 of the federal Clean Air Act (42 U.S.C. Sec. 7506)." California Government Code 65080(b)(vii)



Number of Priority Development Areas	4	3	2	1	0	4	3	2	1	0	4	3	2	1	0	4	3	2	1	0
Number of Green Region Resources Areas	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	3+	3+	3+	3+	3+
Growth Prioritization Scale	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Connect SoCal 2024 - Growth Prioritization Scale

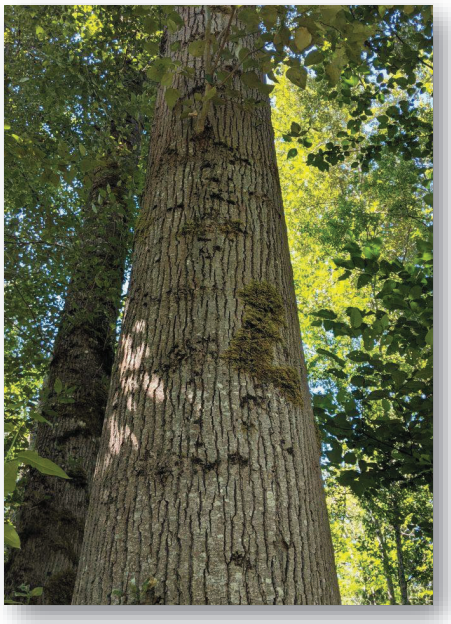
"Gather and consider the best practically available scientific information regarding resource areas and farmland in the region" California Government Code 65080(b)(v).

BACKGROUND

Connect SoCal 2050 Green Region Resource Areas

What are GRRAs?

- GRRAs depict the region's areas with acute risks from **climate change, natural assets, farmland, conserved areas** where development may be constrained
- Green Region Resource Areas (GRRAs) address SCAG's **responsibility under SB 375** to *"gather and consider the best practically available scientific information regarding resource areas and farmland in the region"*
- These areas are considered alongside Priority Development Areas (PDAs) in the preparation of SCAG's **Forecasted Regional Development Pattern**



What are GRRAs?

- SCAG uses GRRAs to **help local jurisdictions provide feedback on how growth can be distributed in the Forecasted Regional Development Pattern**, specifically towards areas with lower Vehicle Miles Traveled and away from environmentally sensitive areas
- GRRAs **do not change the overall growth projected** for counties or the region
- Instead, they provide a framework for where growth is most feasible or constrained
- Together, these tools help SCAG advance regional sustainability goals while respecting local land use authority

Preliminary Draft Regional Planning Policies Alignment

CLIMATE RESILIENCE:
Support planning, funding, and implementing practices and infrastructure that increase regional and local resilience, including nature-based solutions. Prioritize adaptation and resilience for communities, populations, and infrastructure that are most vulnerable to climate hazards.

NATURAL AND AGRICULTURAL LANDS PRESERVATION:
Prioritize the preservation, maintenance, and enhancement of natural and agricultural lands to ensure their resilience, economic, natural, and climate mitigation and adaptation benefits.

METHODOLOGY

Connect SoCal 2050 Green Region Resource Areas

GRRAs for Connect SoCal 2050

GRRAs are organized into **three overarching categories with seven topic areas**, which have one or more layers contributing to each:

- **Climate Hazards** (topic areas: flood hazard, sea level rise, wildfire risk)
- **Habitat Areas** (topic areas: habitat value, wildlife corridors, aquatic resources)
- **Agriculture** (topic area: farmland)

Areas throughout the region **receive a score based on the number of topic areas that overlap it**, with possible scores ranging from 0 to 7

This approach identifies areas where **multiple constraints overlap**

GRRA Data Categories & Topic Areas

CLIMATE HAZARDS

Flood

Fire Hazard

Sea Level Rise

HABITAT

Aquatic Resources

Wildlife Corridors

Habitat Value

AGRICULTURE

Farmland

GRRA Weighting for Connect SoCal 2050

CLIMATE HAZARDS

- **Flood**
  - 100 Year
- **Fire Hazard**
  - Very High
  - High
  - Moderate
  - WUI/Intermix
  - Risk to Comm.
  - Risk to Forest Eco Services
- **Sea Level Rise**
  - 3.5 feet

Count = 3

43%

+

HABITAT

- **Aquatic Resources**
  - Wetlands
  - Streams
  - Riparian Areas
- **Wildlife Corridors**
  - Habitat Connectivity
  - Missing linkages
- **Habitat Value**
  - Areas of Conservation Emphasis
  - Critical Coastal Areas

Count = 3

43%

+

AGRICULTURE

- **Farmland**
  - California Farmland Mapping & Monitoring Program (FMMP)
  - Williamson Act Parcels

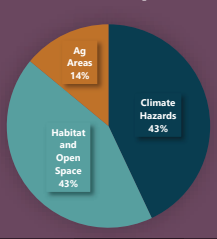
Count = 1

14%

=

TOTAL COUNT

(ranges from 0 to 7)

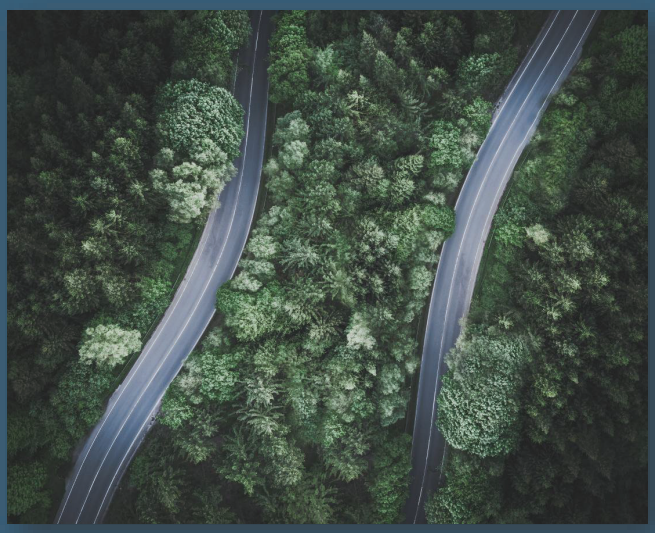


Count = 7

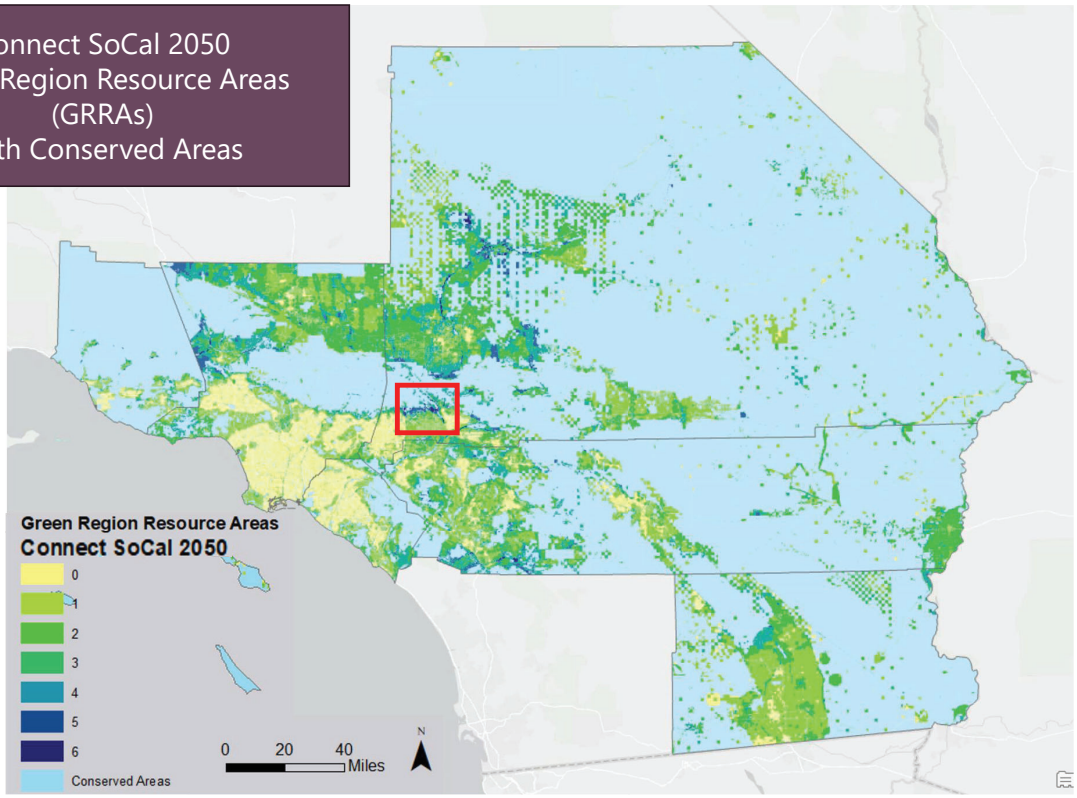
100%

Conserved Areas

- **"Conserved" areas** are legally protected from growth to varying degrees:
  - Conservation Easements
  - Protected Open Space Areas
  - Military Bases
  - Tribal Nations
  - HCP/NCCP Reserve Designs
  - Ventura County Save Open Space and Agricultural Resources (SOAR)

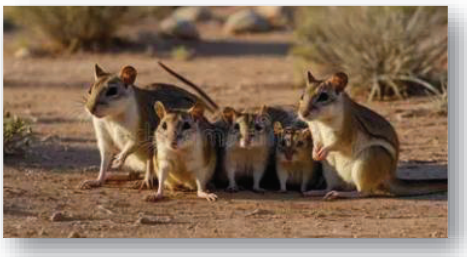


Connect SoCal 2050
Green Region Resource Areas
(GRRAs)
With Conserved Areas



Devore Junction – Environmental Sensitivities

- **Climate Hazards = 2 of 3 Categories**
  - Flood Area
  - Wildfire Hazard Area
- **Habitat = 3 of 3 Categories**
  - Aquatic Resources - Lytle Creek & Wetlands
  - Wildlife Corridor (e.g. Bird Sanctuary)
  - Habitat Value (e.g. Kangaroo Rat)
- **Farmland = 1 of 1 Category**
  - Grazing Land (FMMP)
- **Total Score = 6**



THANK YOU & QUESTIONS

For questions, please contact:

Kim Clark, Planning Supervisor
clark@scag.ca.gov

Green Region Resource Areas (GRRA) Datasets

November 5, 2026

The Green Region Resource Areas (GRRA) datasets are developed to support coordinating regional land use with transportation strategies and address the region's growth and sustainability challenges to protect the region's natural assets and reduce future risks from climate change. GRRAs identify locations where development may be constrained due to climate hazards, habitat areas, and agricultural lands, consistent with SB 375 and Connect SoCal 2024 strategies.

The dataset is organized into three overarching categories with seven topic areas, which have one or more layers contributing to each:

- **Climate Hazards:** The Climate Hazards category highlights areas within the region at risk due to climate change.
    - Topic Areas:
        - Flood hazard
        - Sea level rise
        - Wildfire risk
- **Habitat Areas:** Habitat Areas show areas sensitive to development due to the presence of strong natural resources that can support endemic ecosystems.
    - Topic areas:
        - Habitat value
        - Wildlife corridors
        - Aquatic resources
- **Agriculture:** Agriculture includes farmland derived from the Farmland Mapping and Monitoring Program and California Williamson Act Enrollment data.
    - Topic area:
        - Farmland

Areas throughout the SCAG region receive a score from 0-7 depending on the number of overlapping topic areas.

Conserved areas are excluded from scoring because they are legally protected from growth to a varying degree. These include protected open space, parks, conservation easements, military installations, Tribal lands, and NCCP/HCP reserve designs. Preserving these areas protects biodiversity, cultural resources, and recreational opportunities while supporting resilience and regional quality of life.

SCAG uses GRRAs alongside Priority Development Areas (PDAs) to guide how growth is distributed in the Forecasted Regional Development Pattern, specifically towards areas with lower Vehicle Miles Traveled and away from environmentally sensitive areas. The finalized household and employment growth projection data are

utilized to conduct required modeling analysis and to generally illustrate how regional policies and strategies may be reflected at the neighborhood level.

The GRRA dataset is broken down by category and topic areas and is documented further below.

Climate Hazards

Topic Areas	Underlying Dataset(s)
Flood Hazard	National Flood Hazard Layer (NFHL), 2025, Federal Emergency Management Agency (FEMA)
Coastal Inundation (Sea Level Rise)	Sea Level Rise (3.5 Feet), 2025, National Oceanic and Atmospheric Administration Office for Coastal Management
Wildfire Hazard	Fire Hazard Severity Zones (FHSZs) Local Responsibility Areas, 2025, California Department of Forestry and Fire Protection (Cal FIRE) FHSZs State Responsibility Areas, 2024, Cal FIRE Priority Landscape – Reduce Wildfire Risk to Ecosystem Services, 2018, Fire and Resource Assessment Program (FRAP) at Cal FIRE Priority Landscape – Reduce Wildfire Risk to Communities, 2018, FRAP at Cal FIRE Wildland Urban Interface and Intermix (WUI), 2025, Cal FIRE

Habitat Areas

Topic Areas	Underlying Dataset(s)
Habitat Value	Species Biodiversity, Areas of Conservation Emphasis (ACE), 2021, California Department of Fish and Wildlife (CDFW) Terrestrial Climate Change Resilience, ACE, 2021, CDFW Terrestrial Connectivity, ACE, 2025, CDFW Critical Coastal Areas, 2021, California Coastal Commission
Wildlife Corridors	Essential Connectivity Areas - California Essential Habitat Connectivity, 2025, CDFW South Coast Missing Linkages, 2008, South Coast Wildlands

Aquatic Resources	National Wetlands Inventory Riparian, 2024, U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory Wetlands, 2024, USFWS California Aquatic Resources Inventory, 2025, San Francisco Estuary Institute

Agriculture

Topic Area	Underlying Dataset(s)
Farmland	Farmland and Monitoring Program (FMMP), 2022, California Department of Conservation; California Williamson Act Enrollment, 2024, California Department of Conservation

Conserved Areas

Topic Area	Underlying Dataset(s)
Protected Open Space and Parks	California Protected Areas Database, 2025, Multiple sources California Conservation Easement Database, 2025, Multiple sources Ventura Save Open Space and Agricultural Lands, 2020, Ventura County Planning Division
Natural Community and Habitat Conservation Plans (NCCP/HCP) Reserve Designs	Orange County Conservation Areas, 2021, Orange County Transportation Authority Orange County Central/Coastal NCCP Reserve System, 2018, Nature Reserve of Orange County Rancho Palos Verdes NCCP Reserve, 2011, Palos Verdes Peninsula Land Conservancy Coachella Valley Conservation Areas, 2022, Coachella Valley Association of Governments Western Riverside County Multiple Species Habitat Conservation Plan Semi-Public and Non-Public Reserve Designs, 2025, Western Riverside Co Regional Conservation Authority
Military Installations	Military Installations, Ranges, and Training Areas (MIRTA), 2025, U.S. Department of Defense
Tribal Nations	National Geospatial Data Asset (NGDA), 2025, U.S. Census Bureau