



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

REGIONAL COUNCIL OFFICERS

President
**Jan C. Harnik, Riverside County
Transportation Commission**

First Vice President
Carmen Ramirez, County of Ventura

Second Vice President
Art Brown, Buena Park

Immediate Past President
Clint Lorimore, Eastvale

COMMITTEE CHAIRS

Executive/Administration
**Jan C. Harnik, Riverside County
Transportation Commission**

Community, Economic &
Human Development
Frank Yokoyama, Cerritos

Energy & Environment
Deborah Robertson, Rialto

Transportation
Ray Marquez, Chino Hills

MEETING OF THE TECHNICAL WORKING GROUP

Thursday, September 15, 2022
10:00 a.m. – 12:00 p.m.

JOIN ZOOM MEETING

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

OR

DIAL BY YOUR LOCATION

+1 669 900 6833 US TOLL

+1 346 248 7799 US TOLL

MEETING ID: 142 774 637

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

SCAG, in accordance with the Americans with Disabilities Act (ADA), will accommodate persons who require a modification of accommodation in order to participate in this meeting. SCAG is also committed to helping people with limited proficiency in the English language access the agency's essential public information and services. You can request such assistance by calling (213) 630-1402. We request at least 72 hours (three days) notice to provide reasonable accommodations and will make every effort to arrange for assistance as soon as possible.

Agenda

1. Federal Performance Measures Existing Conditions Report
Mike Gainor
15 Minutes
[Packet Page 5](#)
2. Draft Technical Methodology for Connect SoCal 2024
Camille Guiriba
20 Minutes
[Packet Page 12](#)
3. REAP 2.0 Tools Update
Tom Vo & Megan Dearing
20 minutes
[Packet Page 16](#)
4. Regional Advanced Mitigation Program (RAMP) Update
India Brookover
10 Minutes
[Packet Page 26](#)
5. Regional Resilience Framework (RRF) Update
Lorianne Esturas
10 Minutes
[Packet Page 29](#)
6. 2022 Racial Equity Baseline Conditions Report Update
Anita Au
15 Minutes
[Packet Page 34](#)
7. Open discussion

JULY 21, 2022: MEMBERSHIP ATTENDANCE

LAND USE AUTHORITIES

Aube, Nicolle	Senior Analyst	City of Huntington Beach
Chung, Chris	Urban Planner	City of Garden Grove
Eastman, Jay	Planning Manager	City of Corona
<i>Equina, Justin</i>	<i>Associate Planner</i>	<i>City of Irvine</i>
Farnsworth, Nate	Planning Manager	City of Yorba Linda
Gable, Emily	City Planner	City of Los Angeles
Kim, Susan	Director, Community & Economic Dev.	City of La Habra
Kim, Lisa	Assistant City Manager	City of Garden Grove
Marino, Lee	Planning Services Manager	City of Garden Grove
Pallini-Tipton, Conni	Senior City Planner	City of Los Angeles
Shimoto-Lohr, Gail	Regional Planning Consultant	City of Mission Viejo
Taylor, Matthew	Senior Planner	City of Riverside
Wikstrom, Alexander	Transportation Planning Associate II	City of Los Angeles

REGIONAL PARTNERS

Fagan, Amanda	Director, Planning & Sustainability	VCTC
<i>Garfio, Angel</i>	--	<i>OCTA</i>
<i>Hang, Ivy</i>	<i>Senior Transportation Analyst</i>	<i>OCTA</i>
Huddleston, Lori	Transportation Planning Manager	LA Metro
<i>Koblasz, Ginger</i>	<i>Senior Planner</i>	<i>SBCTA</i>
Lee, Josh	Chief of Planning	SBCTA
Logasa, Brianne	Management Analyst	SGVCOG
<i>Wallace, Hon. Colleen</i>	<i>Mayor Pro Tem</i>	<i>WRCOG (City of Banning)</i>

REGULATORY & COORDINATING AGENCIES

<i>Gabriel Miranda, Jude</i>	<i>Transportation Planner</i>	<i>Caltrans</i>
------------------------------	-------------------------------	-----------------

FIELD EXPERTS

Diep, Deborah	Director	CDR/CSUF
Rodnyansky, Seva	Assistant Professor	Occidental College

ALTERNATES, SELF-IDENTIFIED NON-MEMBERS & PUBLIC ATTENDEES

Bai, Lin	Data Analyst I	City of Los Angeles
Duymich, Chris	Senior Planner	AMBAG
Estrada, Cesar	--	All American War Veterans
Hardy, Cally	City Planning Associate	City of Los Angeles
Kain, Robert	Principal	Houseal Lavigne
Lozano, Alyssa	Planning Technician	City of Riverside
Palafox, Daniel	--	City of Riverside
Prince, Meg	Regional Planner	Fresno Council of Governments
Smith, Steve	Director, Planning	SBCTA
Tsao, Jack	Data Analyst II	City of Los Angeles

SCAG TECHNICAL WORKING GROUP MEETING SUMMARY

July 21, 2022

10:00 a.m. – 12:00 p.m.

1. CONNECT SOCAL 2024 LOCAL DATA EXCHANGE (LDX) STATUS UPDATE

Tom Vo presented an update on the Connect SoCal 2024 LDX process, noting key milestones achieved thus far and the upcoming deadline for input. Matthew Taylor (City of Riverside), Ivy Hang (OCTA, nonmember), Josh Lee (SBCTA), Emily Gable (City of Los Angeles), Robert Kain (Houseal Lavigne, nonmember), Conni Pallini-Tipton (City of Los Angeles), Gail Shiimoto-Lohr (City of Mission Viejo) and Deborah Diep (CDR/CSUF) provided comments for discussion.

2. LDX EDITOR MODULE DEMO

Jonah Pellecchia demonstrated the various tools available on the Regional Data Platform in a deep-dive demonstration of the LDX Editor Module. No comments were provided.

3. PRELIMINARY GROWTH FORECAST METHODOLOGY – DISCUSSION & NEXT STEPS

Kevin Kane presented the Preliminary Growth Forecast Methodology used for Connect SoCal 2024, facilitating a focused discussion on input evaluation and next steps. Gail Shiimoto-Lohr and Deborah Diep participated in the discussion.

4. GREEN REGION RESOURCE AREAS (GRRRA) Methodology for LDX

Kim Clark presented on the GRRRA Methodology used for the LDX, tying together the objective for a Forecasted Regional Development Pattern, SB 375 Resource Areas and strategies from Connect SoCal 2020. The presentation included the datasets used, a preview of the maps included in the Data/Map Books and the LDX Timeline. Deborah Diep and Gail Shiimoto-Lohr provided comments for discussion.

5. REGIONAL HOUSING NEEDS ALLOCATION (RHNA) REFORM

Ma'Ayn Johnson presented an overview of RHNA Reform brought on by the issues raised during the 6th RHNA cycle, including a timeline of upcoming key milestones for input regarding reform. The presentation included comment highlights from a RHNA Input Session held in early July as well as a facilitated discussion. Nate Farnsworth (City of Yorba Linda), Gail Shiimoto-Lohr and Deborah Diep provided comments.



Federal Performance Measures

PM 2 / PM 3 Existing Conditions

Technical Working Group
September 15, 2022

WWW.SCAG.CA.GOV

1

Federal Performance Measures: Overview

-
- MAP-21 (2012) established national transportation performance management & reporting program.
 - Performance measures established within (5) modal categories.
 - State DOTs & MPOs are required to set performance targets for each of the designated measures.
 - This report is focused on (2) of the federal performance categories: NHS infrastructure condition (PM 2) & NHS System/Freight/CMAQ (PM 3).
 - This report will be used to inform the regional target-setting process for the next federal performance reporting period.

2

2

PM 2 Performance Measures

- PM 2 measures focus on NHS infrastructure condition (pavement & bridges).
- Share of regional NHS pavements in 'Good' condition & in 'Poor' condition.
- Share of regional NHS bridges in 'Good' condition & in 'Poor' condition.

3

3

PM 3 Performance Measures

- PM 3 measures include (3) subcategories: NHS System Performance, Freight Movement, & CMAQ Program Performance.
- NHS System performance measures (2): NHS travel time reliability & non-NHS travel time reliability.
- Freight Movement performance measure (1): Truck travel time reliability (Interstate system).
- CMAQ Program performance measures (3): Peak hour excessive delay (per capita), Non-SOV mode share, & Total emissions by criteria pollutant.

4

4

SCAG Regional PM 2 Targets

PM 2 Performance Measures	Baseline (2017)		2-Year Targets				4-Year Targets			
			(1/1/18 - 12/31/19)				(1/1/20 - 12/31/21)			
	Good	Poor	Good	Change	Poor	Change	Good	Change	Poor	Change
Non-Interstate NHS Pavement	3.7%	14.4%	4.0%	+0.3%	13.8%	-0.6%	4.7%	+1.0%	12.7%	-1.7%
NHS Bridges	36.1%	14.8%	37.9%	+1.8%	14.0%	-0.8%	41.4%	+5.3%	12.4%	-2.4%

5

5

SCAG Regional NHS Pavement Performance (2019)

Jurisdiction	Lane Miles	Good	Fair	Poor
Imperial County	288	11.7%	62.2%	26.1%
Los Angeles County	6,451	0.9%	71.5%	27.6%
Orange County	3,059	3.9%	85.9%	10.2%
Riverside County	678	5.3%	79.7%	15.0%
San Bernardino County	1,156	4.9%	79.0%	16.1%
Ventura County	538	5.0%	86.0%	9.0%
SCAG Region	12,170	2.7%	76.7%	20.6%
Statewide	20,803	3.0%	79.0%	18.0%
SCAG Statewide Share	58.5%	52.7%	56.8%	58.5%

6

6

SCAG Regional NHS Bridge Performance (2019)

County	NHS Bridges		Good		Fair		Poor	
	Total	SCAG Share	Total	County Share	Total	County Share	Total	County Share
Imperial	28	2.8%	6	21.4%	17	60.7%	5	17.9%
Los Angeles	577	58.4%	289	50.1%	250	43.3%	38	6.6%
Orange	193	19.5%	120	62.2%	58	30.1%	15	7.7%
Riverside	78	7.9%	47	60.3%	29	37.2%	2	2.5%
San Bernardino	76	7.7%	27	35.6%	40	52.6%	9	11.8%
Ventura	36	3.6%	17	47.2%	11	30.6%	8	22.2%
SCAG Region	988	100.0%	506	51.2%	405	41.0%	77	7.8%

7

7

SCAG Travel Time Reliability Performance: 2017-21

Travel Time Reliability	2017	2018	2019	2020	2021
Interstate System	59.6%	61.0%	60.3%	74.8%	65.2%
Non-Interstate NHS	68.9%	71.4%	73.3%	81.8%	79.2%

8

8

SCAG Truck Travel Time Reliability: 2017-21

Truck Travel Time Reliability Index	2017	2018	2019	2020	2021
Interstate System	1.70	1.76	1.72	1.67	1.70

9

9

SCAG Peak Hour Excessive Delay Targets

Urban Area	2017 Baseline	4-Year Target	
		Value	Change
Los Angeles/Long Beach/Anaheim	45.7	45.2	-1.0%
Riverside/San Bernardino	14.2	14.1	-1.0%

10

10

SCAG Peak Hour Excessive Delay Results

Urban Area	2017	2018	2019	2020	2021	2017-21 Change
Los Angeles/Long Beach/Anaheim	45.7	45.1	38.3	18.9	28.3	-38.1%
Riverside/San Bernardino	14.2	13.6	14.3	8.3	14.1	-0.1%

1
1

11

SCAG Non-SOV Mode Share Targets

Urban Area	2017 Baseline	2-Year Target		4-Year Target	
		Value	Change	Value	Change
Los Angeles/Long Beach/Anaheim	25.6%	26.1%	+0.5%	26.6%	+1.0%
Riverside/San Bernardino	22.7%	23.2%	+0.5%	23.7%	+1.0%

1
2

12

SCAG Non-SOV Mode Share Results: 2017-20

Urban Area	2017	2018	2019	2020	2017-20 Change
Los Angeles/Long Beach/Anaheim	25.6%	24.8%	24.9%	26.9%	+1.3%
Riverside/San Bernardino	22.7%	20.9%	21.1%	21.8%	-0.9%

1
2

13



THANK YOU!

For more information, please visit:

<https://scag.ca.gov/performance-monitoring-assessment>

Michael Gainor, gainor@scag.ca.gov

14



Technical Methodology

Connect SoCal 2024
Regional Transportation Plan/Sustainable Communities Strategy

Camille Guiriba
Planning Strategy

www.scag.ca.gov



1

What is Connect SoCal?



REGIONAL TRANSPORTATION PLAN / SUSTAINABLE COMMUNITIES STRATEGY

Connect SoCal is a 20+ year plan with 6,000+ transportation projects, a regional development pattern and many supportive programs and strategies.

2

What is the Connect SoCal 2024 Schedule?



3

What is the Technical Methodology?

- Methods for calculating greenhouse gas (GHG) emissions
 - Explains how SCAG will estimate GHG reductions from Connect SoCal using the activity-based model or other off-model method
- Required by California Air Resources Board (CARB)
 - Every MPO must submit to CARB prior to starting their formal public participation process
 - Connect SoCal 2024 public workshops slated to start in Spring 2023

SCAG's 2035 GHG Reduction Target:
19% from 2005 levels

4

What is in the Technical Methodology?

- Existing Conditions
- Population, Household, and Employment Growth Forecasts
- Modeling Background and Assumptions
- Approaches for quantifying GHG emission reductions for potential Connect SoCal strategies

5

What are the Connect SoCal Strategies?

- Pricing (Congestion Pricing, Express Lanes, Mileage-Based User Fees)
- Transportation Infrastructure (Bike/Ped Improvements, Transit Projects, Multimodal Dedicated Lanes)
- Infill Development and Density Near Transit
- Transportation Demand Management
- Electric Vehicle Incentives and Infrastructure
- Car Share, Bike Share, and Micromobility
- Co-working
- Average Vehicle Ridership for Job Centers
- Parking Deregulation
- Safe Routes to Schools

6

What's Next for the Technical Methodology?

- Now through October 2022: Prepare complete draft
- November 2022: Share draft document with Technical Working Group
- December 2022: Finalize draft
- January 2023: Submit draft to CARB
- *Ongoing (2023)*: Continued SCAG staff refinement of strategies; review and feedback by CARB staff
- **April 2024: Submit final Technical Methodology with SCS submission to CARB**



Regional Data Platform Expansion

Supported by REAP 2.0 Funds and the Local Info Services Team

Regional Technical Working Group – September 2022

Tom Vo, Megan Dearing, and Julia Lippe-Klein, SCAG

WWW.SCAG.CA.GOV

1

Regional Data Platform (RDP)

Regional Planning is Complex



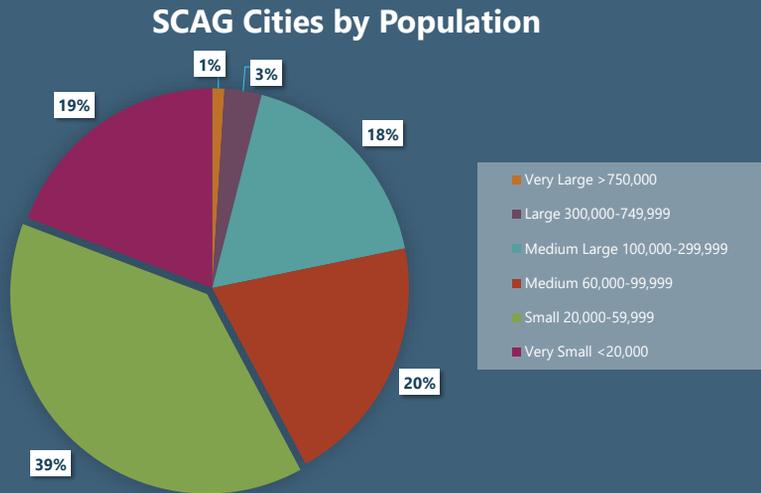
3

Local Planning Need

70%
of local agencies lacked
technical staff to analyze data

43%
had no in-house GIS support

84%
shared data through email or
other means of direct
communication



Regional Data Platform Goals

1. Provide access to data, modern tools, and best practices that support stronger planning and information-based decision-making at all levels
2. Streamline the exchange of data with jurisdictions and partners across the region while establishing procedures and standards for geospatial data consistency
3. Establish a community of planners, GIS professionals, and practitioners to foster collaboration and collective learning, as well as guide the long-term growth and evolution of the RDP

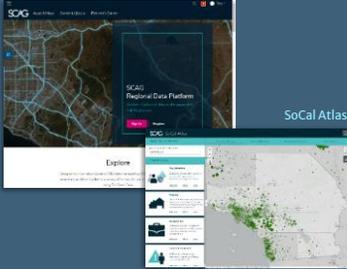
Supporting *regionally aware* local planning
And *locally informed* regional planning

For a more cohesive and sustainable region...

SCAG's Regional Data Platform... Delivers Powerful Data and Tools

Accessible Data & Information

Regional Hub

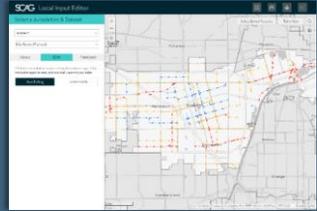


Planning & Engagement Tools

HELPR



Data Sharing Tools & Workflows



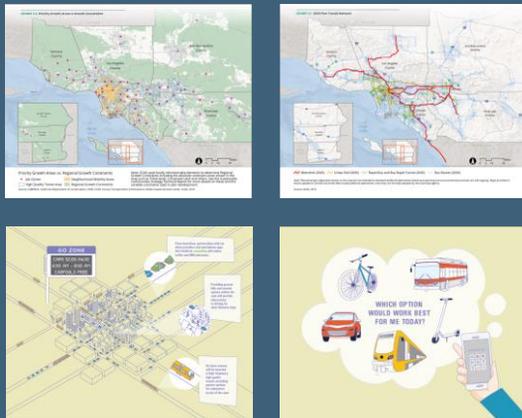
The **Regional Data Platform (RDP)** supports planning and data sharing that empowers planners and residents to create sustainable communities.

Making Regional Planning Relevant & Actionable

Local Data



Regional Vision



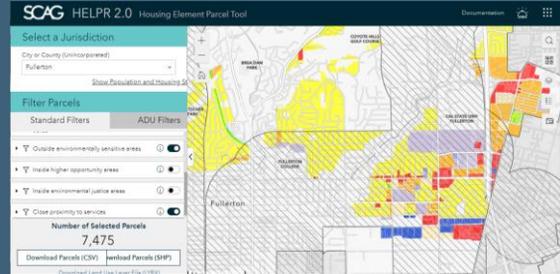
Making Regional Planning Relevant & Actionable

Regional Vision – RHNA Calculator

RHNA Allocation inputs for Fullerton city		
Forecasted household (HH) growth, RHNA period:	1501	
Vacancy Adjustment	51	
Replacement Need	-	
TOTAL PROJECTED NEED:	1641	
Existing need due to job accessibility (50%)	4143	
Existing need due to HQTAs pop. share (50%)	3544	
Net residual factor for existing need*	3850	
TOTAL EXISTING NEED	11538	
TOTAL RHNA FOR FULLERTON CITY	13180	<i>part of total</i>
Very-low income (<50% of AMI)	3190	24.2%
Low income (50-80% of AMI)	1985	15.1%
Moderate income (80-120% of AMI)	2267	17.2%
Above moderate income (>120% of AMI)	5738	43.5%



Local Data - Housing Element Parcel (HELPR) Tool



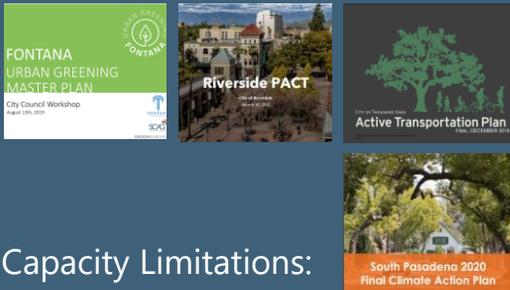
ESRI-powered HELPR Tool, <https://rdp.scag.ca.gov/helpr>

Excel-based Regional Housing Needs Allocation (RHNA) Calculator, <https://scag.ca.gov/rhna>

8

Expanding Reach of Local Planning Support

Local Technical Assistance Grant funded projects



Capacity Limitations:

- 4 Yr Planning Cycle
- 30-50 jurisdiction projects

Local Information Services Program

- A centralized information hub
- General Plan update templates
- Local data for local planners



Regional Hub Apps & Maps, <https://hub.scag.ca.gov/pages/apps-maps>

Capacity:

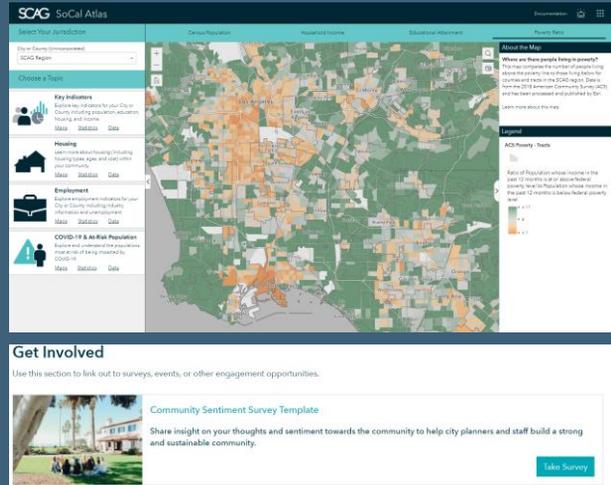
- 2-3 templates/year
- 197 jurisdictions served

9

Centering on Access & Engagement

Planning Tools for local community engagement

- User-friendly SoCal Atlas
- Individualized Data/Map Reports
- Prioritized Equity Areas
- Community Engagement Survey Template
- Web-based General Plan templates
- Local Info Services Team (LIST)



Regional Hub Planner's Corner, <https://hub.scag.ca.gov/pages/planners-corner>

10

Local Information Services Team (LIST) Introduction

- Purpose – Coordinate, plan, and develop a system to
 - 1) Link SCAG's value-added products (e.g., RDP, HELPR, LDX web, etc.) to help address local information needs
 - 2) Deliver one-on-one technical assistance
 - 3) Provide local staff an opportunity to offer feedback on how SCAG can improve our products to facilitate better collaboration, regionally and locally
- Focusing on the **RDP and Local Data Exchange (LDX)** process to obtain inputs from local jurisdictions
- Contact us at list@scag.ca.gov for any questions!



12

The Past, Current, and Future of LIST

- Housing and Safety Element Technical Assistance
 - Conducted 1:1 sessions with 75+ jurisdictions
- Regional Data Platform Technical Assistance
 - Conducted 100+ 1:1 sessions with jurisdictions, COGs, and conferences
- Local Data Exchange Technical Assistance
 - Conducted 1:1 sessions with 92 (and counting!) jurisdictions as of 9/6/2022
- Technical assistance for future tools and resources

County	Jurisdictions	RDP License	RDP-LDX Account	Scheduled 1:1 Formal LDX	Completed 1:1 Formal LDX
Imperial	8	5	0	5	5
Los Angeles	89	61	18	48	46
Orange	35	27	11	35	35
Riverside	29	19	3	1	1
San Bernardino	25	17	2	0	0
Ventura	11	10	3	5	5
TOTAL (as of 8/25)	197	139	37	94	92

13

REAP 2.0 Introduction

AB140 – FY21-22 state budget (May revise)

- ~ \$600 million statewide, \$500 million formula allocations to MPOs
 - ~ \$246 million = SCAG region's formula share



Important Dates

December 2022
Final Application Due to State

June 2024
All REAP 2.0 Funds Obligated

June 2026
All REAP 2.0 Funds Expended

14

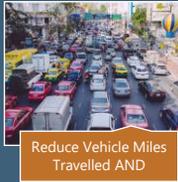
REAP 2.0 Quick Facts

“Transformative planning and implementation activities” which implement the regional Sustainable Communities Strategy (SCS)

REAP 2.0 Objectives



Promote infill housing development AND

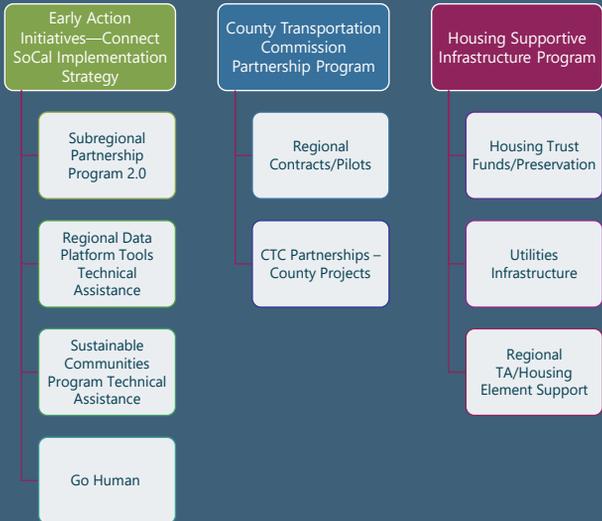


Reduce Vehicle Miles Travelled AND



Affirmatively Further Fair Housing

SCAG’s REAP 2.0 Program Areas

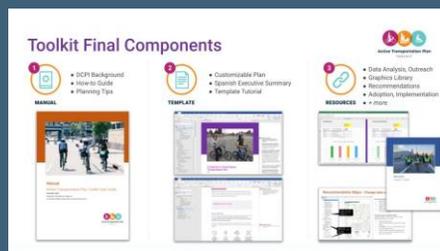


REAP 2.0 Proposed Tools and Resources (Cont.)

RDP 2.0 Proposed Tools and Resources

Disadvantaged Communities Active Transportation Planning Initiative

- **Anticipated Outcomes:** Integration of the DAC Tool and its companion materials as a resource for jurisdictions across the region to advance active transportation planning.
- **Timeline:**
 - Determine Consultant strategy & Scope Development (Fall 2022)
 - Procurement (Winter 2022)
 - Tool integration (Spring 2023)
 - Implementation & Technical Assistance (Summer 2023 & each year through June 2026).



REAP 2.0 Proposed Tools and Resources (Cont.)

RDP 2.0 Proposed Tools and Resources

Regional Performance Monitoring Dashboard

- **Anticipated Outcomes:** Development of an interactive online performance dashboard application, featuring key performance indicators at region, county, & city level, translating data into clearly understood maps & graphics to promote better understanding of Connect SoCal, the performance-based planning process, & the results of regional investments.
- **Timeline:**
 - Finalize SOW (October 2022)
 - Release RFP (January 2023)
 - Select consultant (April 2023)
 - Initiate consultant contract work (July 2023);
 - Complete project (April 2025).

17

REAP 2.0 Funded Tools and Resources (Cont.)

RDP 2.0 Proposed Tools and Resources

Regional Safety Dashboard

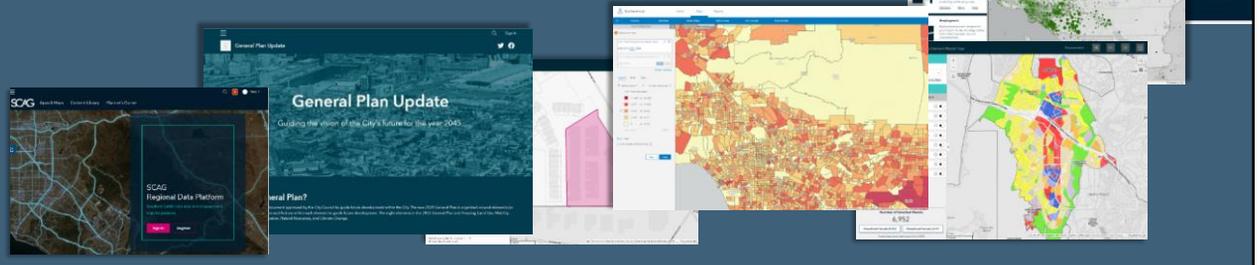
- **Anticipated Outcomes:** Facilitate data driven approaches to inform local & regional safety policy & planning decision-making. Promote equity in regional safety policies & planning through analysis of impacts on high need areas & protecting vulnerable road users. Enhance safety data resources through integration with SCAG RDP.
- **Timeline:** TBD

18

REAP 2.0 Funded Tools and Resources (Cont.)

RDP 2.0 Proposed Tools and Resources LIST Outreach & Technical Assistance

- **Anticipated Outcomes:** A centralized hub for local jurisdictions to engage and request information, technical assistance, and training on the tools and resources in RDP



19

Next Steps

- Finalize and REAP application



scag.ca.gov/reap2021
scag.ca.gov/housing
scag.ca.gov/RDP



Local Info Services Team (LIST)
LIST@scag.ca.gov

20



THANK YOU!

For more information, please visit:



RAMP Status Update

September 15th 2022

India Brookover

Senior Regional Planner, Resource Conservation & Resilient Communities

WWW.SCAG.CA.GOV

1

Regional Advance Mitigation Planning (RAMP) Advisory Task Group (ATG)

Background & Purpose

- 5 Regional Council Members
- Work with staff to establish a policy framework for advance mitigation in the SCAG region, and help align the SoCal Greenprint with regional policy objectives
- Advise on a white paper on Regional Advance Mitigation Planning (RAMP)
- Report findings to Regional Council and Energy & Environment Committee

2

2

ATG Work So Far

- Met five times between December 2021 and April 2022
- Listened to best practices on RAMP from transportation agencies
- Reviewed white paper on the regional advance mitigation concept
- Reviewed draft Policy Framework for Regional Advance Mitigation Planning to ensure future Greenprint tool is aligned with regional policy objectives
- At last meeting, voted to pause for 2+ weeks minimum on finalizing draft to continue stakeholder outreach and receive feedback

3

3

RAMP

- Draft RAMP Policy Framework posted on SCAG's webpage
- Open public comment period on draft RAMP Policy Framework
- Updates at SCAG TWG meetings
- 1-on-1 meetings with stakeholders
- Workshops with business consortiums and environmental stakeholders to seek feedback on draft RAMP Policy Framework
- Revised draft white paper and policy framework to reflect comments from ATG members and stakeholders
- Upcoming workshop with public sector stakeholders to provide feedback
 - All TWG members invited to attend. Date and time TBD.

4

4



THANK YOU!

For more information, please visit:

brookover@scag.ca.gov



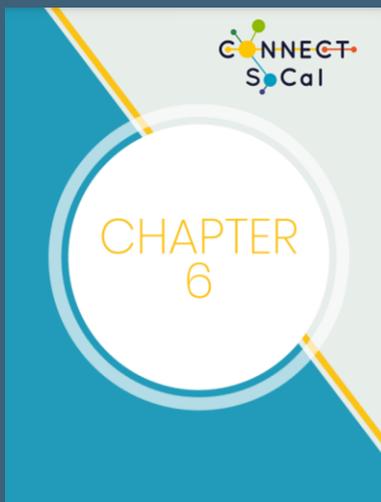
Regional Resilience Framework

Technical Working Group
September 15, 2022

WWW.SCAG.CA.GOV

1

Building a More Resilient Region



2

2

Resilience Work-to-Date

Resilience Policy Lab

- Define "resilience"
- Conduct a resilience assessment
- Support RRF Scope of Work Development
- Integrate resilience into Connect SoCal 2024

Resilience Landscape Analysis

- Gap analysis of climate resilience planning
- Matrix of climate resilience shocks & stressors
- Explore next steps for stakeholder engagement to ground-truth resilience findings

3

3

Resilience Work-to-Date: Resilience Definition

*The capacity of the SCAG region's **built, social, economic and natural systems** to **anticipate and respond** to **changing conditions, acute shocks, and chronic stressors** by creating multiple opportunities for a **sustainable, thriving and equitable** future.*

4

4

Regional Resilience Framework: Project Overview



[Connect SoCal: Chapter 6
Regional Resilience Framework](#)

Project Timeline

- 18-month timeline
- June 15, 2022 (kick-off) – Dec 31, 2023 (anticipated)

Project Goals

- Define "regional resilience"
- Understand the impacts of disruptions (shocks/stressors) across the region
- Conduct an exploratory scenario planning process
- Identify strategies to reduce vulnerabilities & increase regional resilience
- Conduct meaningful outreach & engagement
- Support implementation of Connect SoCal strategies

Regional Resilience Framework: Project Overview

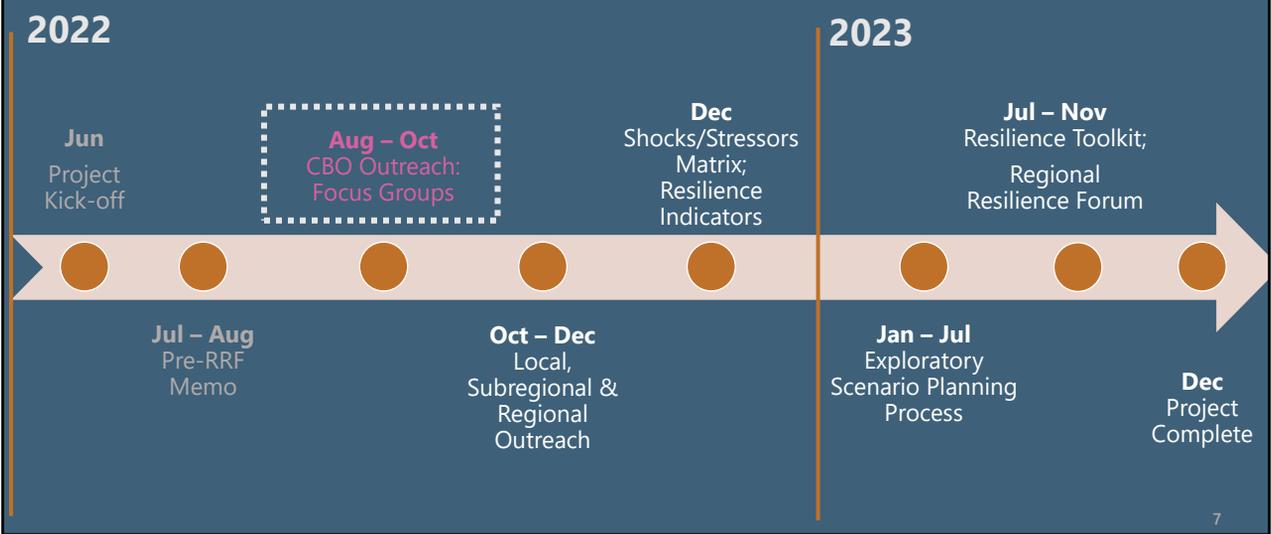


[Connect SoCal: Chapter 6
Regional Resilience Framework](#)

Project Outcomes

- **Building on previous efforts:** Expand resilience planning to include natural, built, social and economic resilience to multiple shocks and stressors
- **Building regional capacity through outreach and engagement:** Create consensus across diverse stakeholders
- **Exploratory scenario planning (XSP) process:** Understand a range of potential futures
- **Resilience Toolkit:** Create a toolkit to help jurisdictions integrate resilience into planning processes

Timeline & Key Deliverables



7

Alignment with Connect SoCal 2024

- Guide resilience framing for Connect SoCal 2024 topic areas
- Integrate resilience policies and strategies into Connect SoCal 2024
- Expand on resilience mitigation measures
- Inform & interface with the Connect SoCal 2024 Resilience & Conservation Special Subcommittee



8

8



THANK YOU!

Lorianne Esturas, esturas@scag.ca.gov



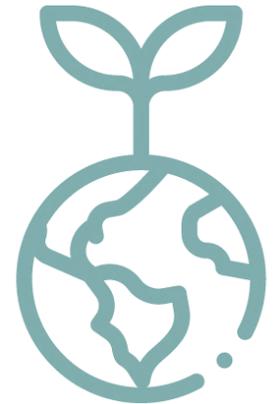
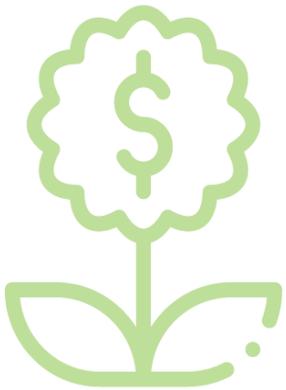
2022 Racial Equity Baseline Conditions Update

Technical Working Group
September 15, 2022

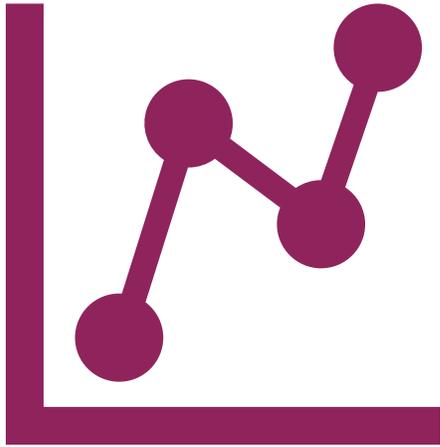
WWW.SCAG.CA.GOV

Overview

- Released in March 2021
- Provides a preliminary baseline assessment of racial equity in region with stratified data
- Motivate more equitable decision-making for the future



Updates



Data

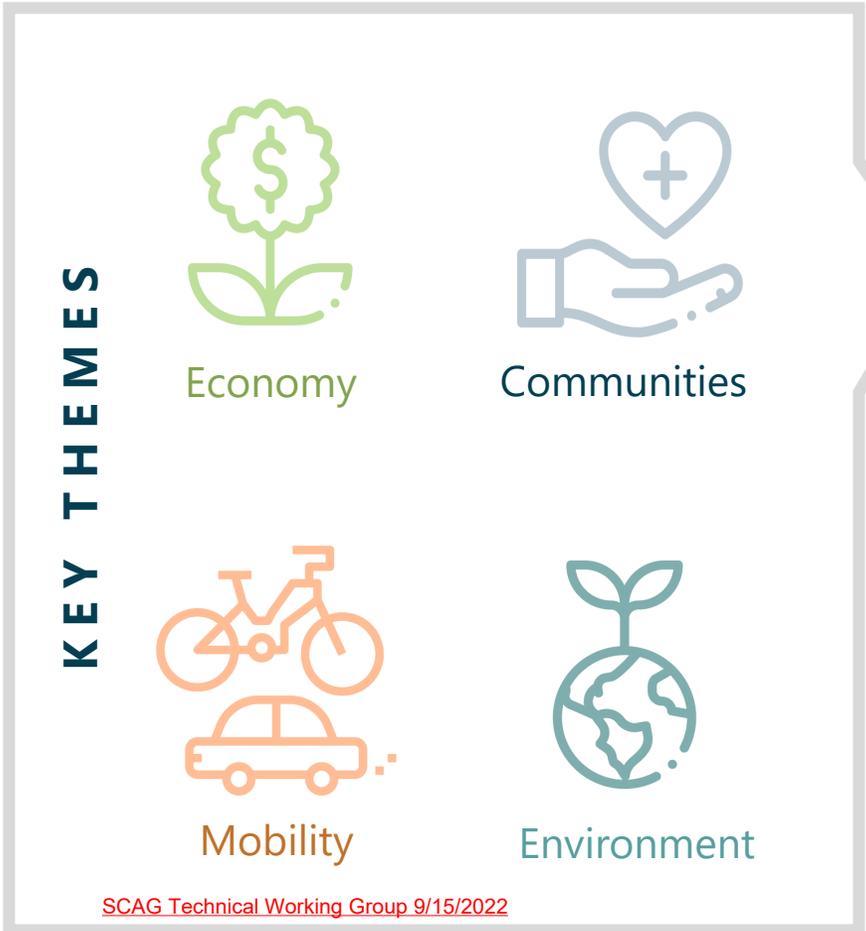


Indicators



**County
Narratives**

Equity Indicator



24
Equity
Indicators

7 Disadvantaged Factors

- People of color
- Low income (<200% FPL)
- Seniors (65+ years)
- Youth (<5 years)
- Female-headed households
- Limited English proficiency
- People with disability

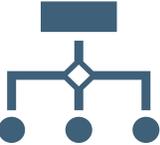

Alignment


Consistency


Trusted


Regularity


Disadvantaged
Factors


Disaggregate

SELECTION CRITERIA

Equity Indicators - 2022

Demographics

- Total Population
- Race/Ethnicity Distribution
- Age Distribution
- Female-Headed Households
- National Origin *
- Limited English Proficiency *
- People with Disabilities

Economy

- Educational Attainment *
- Median Hourly Wage
- Median Household Income *
- Poverty
- Unemployment
- Working Poor
- ~~High Poverty Neighborhoods~~
- ~~Hourly Wage~~

Communities

- Access to Open Space and Parks *
- Broadband Access *
- Health Insurance
- Homeownership
- Housing Cost Burden *
- Housing Quality *
- Life Expectancy
- Overcrowding
- ~~SNAP~~

Mobility

- Access to Employment
- Compact Commuting *
- Bike + Pedestrian Collisions *
- Commute Time
- Households without a Vehicle
- Transportation System Mode Share

Environment

- CalEnviroScreen 4.0 Score *
- Extreme Heat and Tree Canopy *
- Flood Hazard Areas
- Wildfire Risk
- ~~Air pollution index~~

Demographics



- Total Population
- Race/Ethnicity Distribution
- Age Distribution
- Female-Headed Households
- National Origin
- Limited English Proficiency
- People with Disabilities

Economy

- Educational Attainment
- Median Hourly Wage
- Median Household Income
- Poverty
- Unemployment
- Working Poor
- ~~High Poverty Neighborhoods~~
- ~~Hourly Wage~~



Community

- Access to Open Space and Parks
- Broadband Access
- Health Insurance
- Homeownership
- Housing Cost Burden
- Housing Quality
- Life Expectancy
- Overcrowding



Mobility

- Access to Employment
- Compact Commuting
- Bike + Pedestrian Collisions
- Commute Time
- Households without a Vehicle
- Transportation System Mode Share



Environment

- CalEnviroScreen 4.0 Score
- Extreme Heat and Tree Canopy
- Flood Hazard Areas
- Wildfire Risk
- ~~Air pollution index~~

County Narratives

- Snapshot of existing conditions with a subset of equity indicators
- County factsheets/infographics also included

Demographics	Economy	Communities	Mobility	Environment
<ul style="list-style-type: none">• Total Population• Race/Ethnicity Distribution• Female-Headed Households• Limited English Proficiency• People with Disabilities	<ul style="list-style-type: none">• Educational Attainment• Median Household Income• Working Poor	<ul style="list-style-type: none">• Broadband Access• Housing Cost Burden• Housing Quality	<ul style="list-style-type: none">• Access to Employment• Bike + Pedestrian Collisions• Commute Time	<ul style="list-style-type: none">• CalEnviroScreen 4.0 Score• Extreme Heat and Tree Canopy• Wildfire Risk



2022 RACIAL EQUITY BASELINE CONDITIONS

SNAPSHOT

IN JULY 2020, SCAG'S REGIONAL COUNCIL MADE A COMMITMENT TO ADDRESSING JUSTICE, EQUITY, DIVERSITY, AND INCLUSION THROUGHOUT SOUTHERN CALIFORNIA.

SCAG, through its various programs, is committed to plan for a healthier, more sustainable economic future by directly addressing the longstanding economic and institutional barriers that have fostered inequities in health, wealth, and opportunities. This report provides a highlight of the Racial Equity Baseline Conditions Report and a snapshot of current existing inequitable conditions of the region, especially for people of color.

ECONOMY



Only a **THIRD** of residents of color had an associate degree or above, while over **HALF** of White residents had an associate degree or above.



HISPANIC (LATINO) FULL-TIME WORKERS were **THREE TIMES MORE LIKELY TO BE LIVING IN POVERTY** than White full-time workers.



The median household income for **BLACK** households was **LESS THAN 60 PERCENT** than that of White households.

DEMOGRAPHICS



NEARLY 19 MILLION residents lived in the SCAG region.



People of color made up almost **70%** of the region's population.



1 IN 10 residents experienced linguistic isolation.



30% of households were female-headed households.



OVER 10% of people in the region had **ONE OR MORE DISABILITIES**.

MOBILITY



NATIVE AMERICANS had the least access to employment opportunities via all transportation modes compared to all other racial and ethnic groups.



HISPANIC (LATINO) residents were most likely to live in high-risk areas for pedestrian- or bicyclist-involved collisions.



ASIAN/PACIFIC ISLANDER and **WHITE** residents who took the bus, rail, taxi, or ferry to work experienced the longest commute times under an hour compared to other racial and ethnic groups and transportation types.

ENVIRONMENT



HISPANIC (LATINO) residents made up the largest percentage of residents in census tracts with CalEnviroScreen scores in the highest percentiles.



The region is projected to have **35** extreme heat days per year from 2040-2060.



HISPANIC (LATINO) RESIDENTS were more likely to live in wildfire risk areas.

COMMUNITIES



BLACK households were the least likely to have broadband access compared to other racial and ethnic groups.



Nearly 40% of **HISPANIC (LATINO)** and Black renters were overburdened with housing costs.



NATIVE AMERICANS were twice as likely to live in housing units without complete plumbing or kitchen facilities than the rest of the region.

2022 Highlights – Educational Attainment

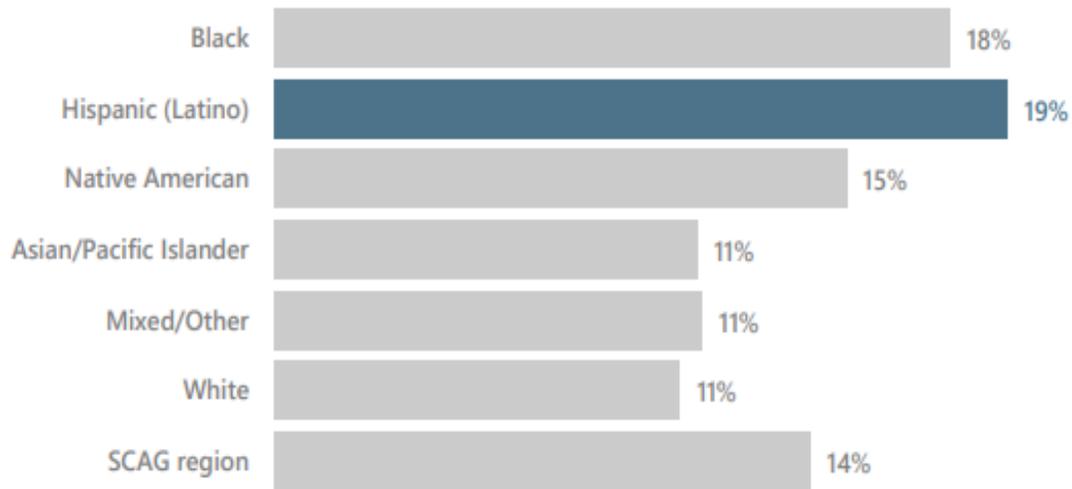
Race/Ethnicity	Less than HS Diploma	HS Diploma	Some College	AA Degree	BA Degree	MA Degree
Asian/Pacific Islander	11%	14%	14%	8%	36%	17%
Black	10%	24%	29%	10%	18%	10%
Hispanic (Latino)	35%	27%	19%	6%	10%	4%
Mixed/Other	6%	16%	24%	9%	29%	16%
Native American	15%	30%	26%	10%	14%	6%
White	5%	18%	23%	9%	27%	17%
People of color	26%	23%	19%	7%	17%	8%
SCAG region	19%	22%	20%	8%	21%	11%

Source: U.S. Census Bureau; American Community Survey (ACS), Five-Year Public Use Microdata (PUMS), 2016-2020

2022 Highlights – Broadband Access

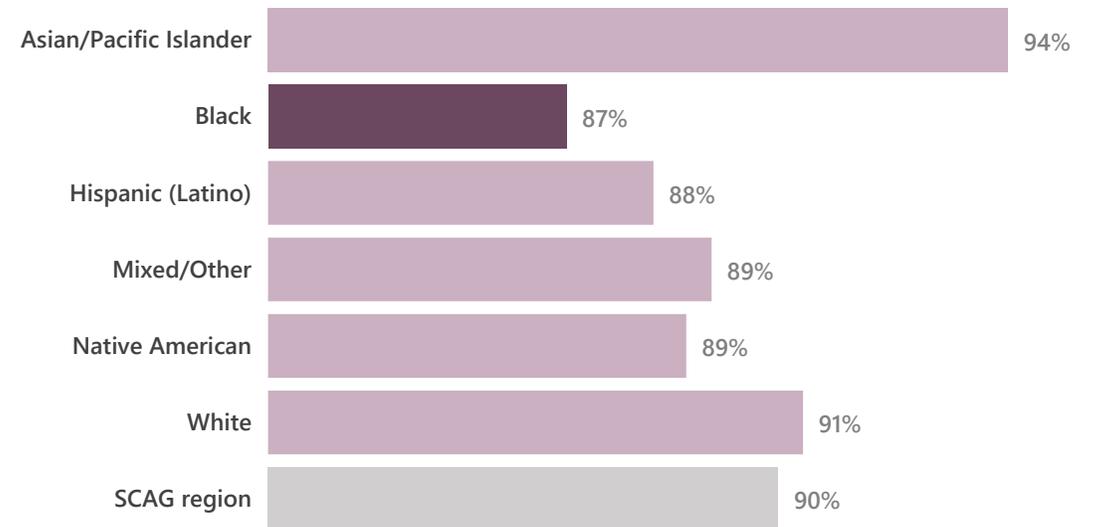
Broadband access was 86 percent in 2018 and 90 percent in 2020

Hispanic (Latino) households are nearly two times more likely to not have access to high speed internet than white households.



Source: 2018 5-Year American Community Survey

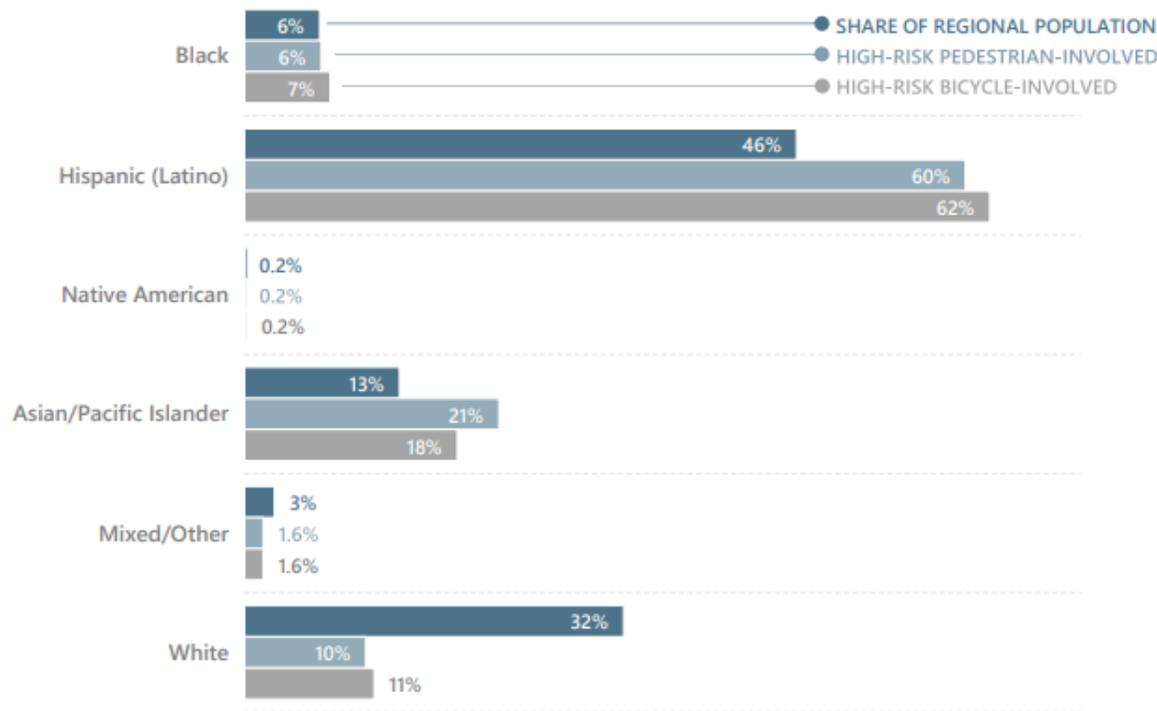
9 out of 10 households in the SCAG region had access to high-speed internet



Source: U.S. Census Bureau; 2016-2020 American Community Survey 5-Year Estimates

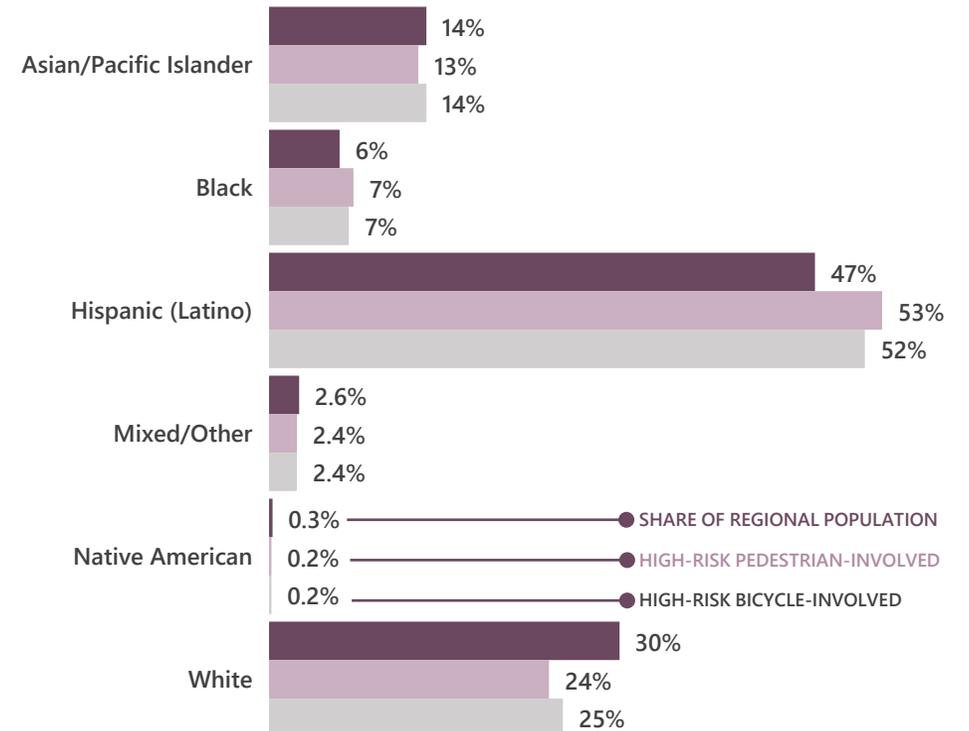
2022 Highlights – Bike and Pedestrian Collisions

Hispanic (Latino) residents are the most likely to live in high-risk areas for pedestrian- or bike-involved collisions as compared to all other race/ethnic groups.



Source: SCAG, SWITRS, TIMS, 2016

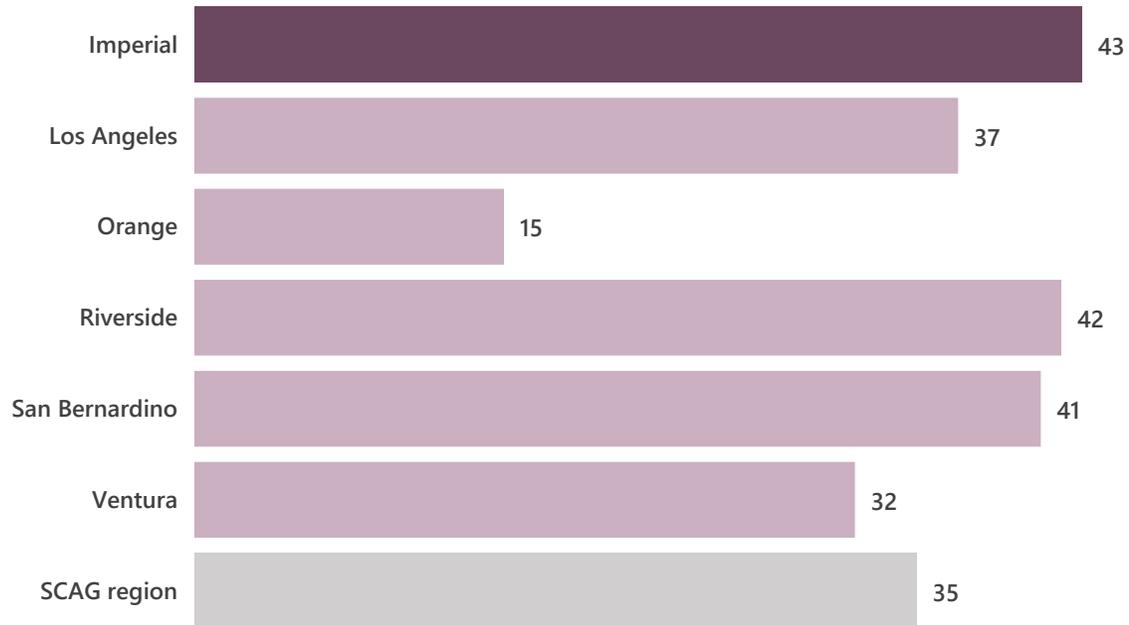
Hispanic (Latino) residents are the most likely to live in high-risk areas for pedestrian- or bike-involved collisions as compared to all other racial and ethnic groups.



Source: SCAG, TIMS, 2020

2022 Highlights – Extreme Heat and Tree Canopy

Imperial, Riverside, and San Bernardino counties are projected to have over 40 extreme heat days per year from 2040 - 2060.



Source: Southern California Association of Governments (SCAG), 2020

	Percentage of Tree Canopy Cover
Census tracts with majority people of color	2.4%
Census tracts with majority White residents	6.9%
All census tracts in SCAG region	1.6%



THANK YOU!

For more information, please visit: