MEETING OF THE
TECHNICAL WORKING GROUP

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

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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

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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

- **Equina, Justin**  
  Associate Planner  
  City of Irvine

- **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

- **Shiomoto-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

- **Garfio, Angel**  
  Senior Transportation Analyst  
  OCTA

- **Hang, Ivy**  
  Transportation Planning Manager  
  LA Metro

- **Huddleston, Lori**  
  Senior Planner  
  SBCTA

- **Koblasz, Ginger**  
  Chief of Planning  
  SBCTA

- **Lee, Josh**  
  Management Analyst  
  SGVCOG

- **Wallace, Hon. Colleen**  
  Mayor Pro Tem  
  WRCOG (City of Banning)

**REGULATORY & COORDINATING AGENCIES**

- **Gabriel Miranda, Jude**  
  Transportation Planner  
  Caltrans

**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
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 Shiomoto-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 Shiomoto-Lohr and Deborah Diep participated in the discussion.

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

Kim Clark presented on the GRRA 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 Shiomoto-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 Shiomoto-Lohr and Deborah Diep provided comments.
Federal Performance Measures
PM 2 / PM 3 Existing Conditions

Technical Working Group
September 15, 2022

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.
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.

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.
### SCAG Regional PM 2 Targets

<table>
<thead>
<tr>
<th>PM 2 Performance Measures</th>
<th>Baseline (2017)</th>
<th>2-Year Targets (1/1/18 - 12/31/19)</th>
<th>4-Year Targets (1/1/20 - 12/31/21)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Good</td>
<td>Poor</td>
<td>Good</td>
</tr>
<tr>
<td>Non-Interstate NHS Pavement</td>
<td>3.7%</td>
<td>14.4%</td>
<td>4.0%</td>
</tr>
<tr>
<td>NHS Bridges</td>
<td>36.1%</td>
<td>14.8%</td>
<td>37.9%</td>
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### SCAG Regional NHS Pavement Performance (2019)

<table>
<thead>
<tr>
<th>Jurisdiction</th>
<th>Lane Miles</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
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</thead>
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<tr>
<td>Imperial County</td>
<td>288</td>
<td>11.7%</td>
<td>62.2%</td>
<td>26.1%</td>
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<tr>
<td>Los Angeles County</td>
<td>6,451</td>
<td>0.9%</td>
<td>71.5%</td>
<td>27.6%</td>
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<tr>
<td>Orange County</td>
<td>3,059</td>
<td>3.9%</td>
<td>85.9%</td>
<td>10.2%</td>
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<tr>
<td>Riverside County</td>
<td>678</td>
<td>5.3%</td>
<td>79.7%</td>
<td>15.0%</td>
</tr>
<tr>
<td>San Bernardino County</td>
<td>1,156</td>
<td>4.9%</td>
<td>79.0%</td>
<td>16.1%</td>
</tr>
<tr>
<td>Ventura County</td>
<td>538</td>
<td>5.0%</td>
<td>86.0%</td>
<td>9.0%</td>
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<tr>
<td><strong>SCAG Region</strong></td>
<td><strong>12,170</strong></td>
<td><strong>2.7%</strong></td>
<td><strong>76.7%</strong></td>
<td><strong>20.6%</strong></td>
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<tr>
<td>Statewide</td>
<td>20,803</td>
<td>3.0%</td>
<td>79.0%</td>
<td>18.0%</td>
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<tr>
<td>SCAG Statewide Share</td>
<td>58.5%</td>
<td>52.7%</td>
<td>56.8%</td>
<td>58.5%</td>
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</tbody>
</table>
### SCAG Regional NHS Bridge Performance (2019)

<table>
<thead>
<tr>
<th>County</th>
<th>NHS Bridges</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Total County Share</td>
<td>Total County Share</td>
<td>Total County Share</td>
</tr>
<tr>
<td>Imperial</td>
<td>28</td>
<td>2.8%</td>
<td>6</td>
<td>21.4%</td>
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<tr>
<td>Los Angeles</td>
<td>577</td>
<td>58.4%</td>
<td>289</td>
<td>50.1%</td>
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<tr>
<td>Orange</td>
<td>193</td>
<td>19.5%</td>
<td>120</td>
<td>62.2%</td>
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<tr>
<td>Riverside</td>
<td>78</td>
<td>7.9%</td>
<td>47</td>
<td>60.3%</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>76</td>
<td>7.7%</td>
<td>27</td>
<td>35.6%</td>
</tr>
<tr>
<td>Ventura</td>
<td>36</td>
<td>3.6%</td>
<td>17</td>
<td>47.2%</td>
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<tr>
<td>SCAG Region</td>
<td>988</td>
<td>100.0%</td>
<td>506</td>
<td>51.2%</td>
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### SCAG Travel Time Reliability Performance: 2017-21

<table>
<thead>
<tr>
<th>Travel Time Reliability</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interstate System</td>
<td>59.6%</td>
<td>61.0%</td>
<td>60.3%</td>
<td>74.8%</td>
<td>65.2%</td>
</tr>
<tr>
<td>Non-Interstate NHS</td>
<td>68.9%</td>
<td>71.4%</td>
<td>73.3%</td>
<td>81.8%</td>
<td>79.2%</td>
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</table>
### SCAG Truck Travel Time Reliability: 2017-21

<table>
<thead>
<tr>
<th>Truck Travel Time Reliability Index</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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</thead>
<tbody>
<tr>
<td>Interstate System</td>
<td>1.70</td>
<td>1.76</td>
<td>1.72</td>
<td>1.67</td>
<td>1.70</td>
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### SCAG Peak Hour Excessive Delay Targets

<table>
<thead>
<tr>
<th>Urban Area</th>
<th>2017 Baseline</th>
<th>4-Year Target</th>
<th>Value</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Angeles/Long Beach/Anaheim</td>
<td>45.7</td>
<td>45.2</td>
<td>-1.0%</td>
<td></td>
</tr>
<tr>
<td>Riverside/San Bernardino</td>
<td>14.2</td>
<td>14.1</td>
<td>-1.0%</td>
<td></td>
</tr>
</tbody>
</table>
### SCAG Peak Hour Excessive Delay Results

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Angeles/Long Beach/Anaheim</td>
<td>45.7</td>
<td>45.1</td>
<td>38.3</td>
<td>18.9</td>
<td>28.3</td>
<td>-38.1%</td>
</tr>
<tr>
<td>Riverside/San Bernardino</td>
<td>14.2</td>
<td>13.6</td>
<td>14.3</td>
<td>8.3</td>
<td>14.1</td>
<td>-0.1%</td>
</tr>
</tbody>
</table>

### SCAG Non-SOV Mode Share Targets

<table>
<thead>
<tr>
<th>Urban Area</th>
<th>2017 Baseline</th>
<th>2-Year Target</th>
<th>4-Year Target</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Value</td>
<td>Change</td>
</tr>
<tr>
<td>Los Angeles/Long Beach/Anaheim</td>
<td>25.6%</td>
<td>26.1%</td>
<td>+0.5%</td>
</tr>
<tr>
<td>Riverside/San Bernardino</td>
<td>22.7%</td>
<td>23.2%</td>
<td>+0.5%</td>
</tr>
</tbody>
</table>
## SCAG Non-SOV Mode Share Results: 2017-20

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Angeles/Long Beach/Anaheim</td>
<td>25.6%</td>
<td>24.8%</td>
<td>24.9%</td>
<td>26.9%</td>
<td>+1.3%</td>
</tr>
<tr>
<td>Riverside/San Bernardino</td>
<td>22.7%</td>
<td>20.9%</td>
<td>21.1%</td>
<td>21.8%</td>
<td>-0.9%</td>
</tr>
</tbody>
</table>

For more information, please visit: [https://scag.ca.gov/performance-monitoring-assessment](https://scag.ca.gov/performance-monitoring-assessment)

Michael Gainor, gainor@scag.ca.gov
What is Connect SoCal?

Connect SoCal is a 20+ year plan with 6,000+ transportation projects, a regional development pattern and many supportive programs and strategies.
What Is the Connect SoCal 2024 Schedule?

- **Foundations and Frameworks**
- **Data Collection and Policy Development**
- **Outreach and Analysis**
- **Draft Plan and Adoption**

<table>
<thead>
<tr>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
</tr>
</thead>
</table>

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
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

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
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

Regional Planning is Complex

**Climate Change**
- Greenhouse Gas Reduction
- Clean Cities

**Economic Development**
- Regional Land Information Systems
- Economic Strategy
- Smart Growth
- GIS Accessibility

**Sustainability**
- Community Placemaking
- Population & Employment Growth Forecasts
- Industrial Warehousing

**Accountability**
- Regional Housing Needs Assessments
- Transit Oriented Development
- Environmental Justice

**Affordable Housing**
- Open Data
- Interagency Transit
- Goods Movement

**Transportation and Mobility**
- Freightworks
- Grant Writing and Management
- Air Quality

**Long Range Planning**
- Habitat Connectivity
- Green Regions
- Comprehensive Plan Support

**COVID-19**
- Public Health
- Sustainable Development
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

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

<table>
<thead>
<tr>
<th>Income Level</th>
<th>Number</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Very-low income (&lt;50% of AMI)</td>
<td>2,190</td>
<td>24.2%</td>
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<tr>
<td>Low income (50-80% of AMI)</td>
<td>1,855</td>
<td>21.1%</td>
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<tr>
<td>Moderate income (80-120% of AMI)</td>
<td>2,268</td>
<td>26.2%</td>
</tr>
<tr>
<td>Above moderate income (&gt;120% of AMI)</td>
<td>5,738</td>
<td>65.7%</td>
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</tbody>
</table>

TOTAL RHNA FOR FULLERTON CITY = 13,180

Expanding Reach of Local Planning Support

Local Technical Assistance Grant funded projects

Fontana URBAN GREENING Master Plan
Riverside PACT
Active Transportation Plan

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
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)

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!
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

<table>
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<tr>
<th>County</th>
<th>Jurisdictions</th>
<th>RDP License</th>
<th>RDP-LDX Account</th>
<th>Scheduled 1:1 Formal LDX</th>
<th>Completed 1:1 Formal LDX</th>
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<td>35</td>
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<tr>
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<td>29</td>
<td>19</td>
<td>3</td>
<td>1</td>
<td>1</td>
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<tr>
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<td>25</td>
<td>17</td>
<td>2</td>
<td>0</td>
<td>0</td>
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<td>Ventura</td>
<td>11</td>
<td>10</td>
<td>3</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>TOTAL (as of 8/25)</td>
<td>197</td>
<td>139</td>
<td>37</td>
<td>94</td>
<td>92</td>
</tr>
</tbody>
</table>

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
**REAP 2.0 Quick Facts**

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

- **Regional Early Action Program (REAP) 2.0**
- **SCAG’s REAP 2.0 Program Areas**
  - Early Action Initiatives—Connect SoCal Implementation Strategy
  - County Transportation Commission Partnership Program
  - Housing Supportive Infrastructure Program
  - Regional Data Platform Tools Technical Assistance
  - CTC Partnerships – County Projects
  - Regional Contracts/Pilots
  - Housing Trust Funds/Preservation
  - Utilities Infrastructure
  - Regional TA/Housing Element Support

**REAP 2.0 Objectives**

- Promote infill housing development AND
- Reduce Vehicle Miles Travelled AND
- Affirmatively Further Fair Housing

**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).

---

**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
**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

**Next Steps**

- Finalize and REAP application

---

**Scope of Proposed Tools Development and Procurement**

**Engagement, Feedback, and Pilot Testing**

**Tools and Resources Deployment**

- [scag.ca.gov/reap2021](http://scag.ca.gov/reap2021)
- [scag.ca.gov/housing](http://scag.ca.gov/housing)
- [scag.ca.gov/RDP](http://scag.ca.gov/RDP)

- Local Info Services Team (LIST)
  - [LIST@scag.ca.gov](mailto:LIST@scag.ca.gov)
THANK YOU!

For more information, please visit:
RAMP Status Update

September 15th 2022
India Brookover
Senior Regional Planner, Resource Conservation & Resilient Communities

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
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

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.
THANK YOU!

For more information, please visit:
brookover@scag.ca.gov
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

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.*
Regional Resilience Framework: Project Overview

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

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

Connect SoCal: Chapter 6
Regional Resilience Framework
### Timeline & Key Deliverables

**2022**
- **Jun**: Project Kick-off
- **Aug – Oct**: CBO Outreach: Focus Groups
- **Jul – Aug**: Pre-RRF Memo
- **Oct – Dec**: Local, Subregional & Regional Outreach

**2023**
- **Dec**: Shocks/Stressors Matrix; Resilience Indicators
- **Jul – Nov**: Resilience Toolkit; Regional Resilience Forum
- **Jan – Jul**: Exploratory Scenario Planning Process
- **Dec**: Project Complete

### 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
THANK YOU!

Lorianne Esturas, esturas@scag.ca.gov
2022 Racial Equity Baseline Conditions Update

Technical Working Group
September 15, 2022
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

KEY THEMES

Economy
Communities
Mobility
Environment

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

SCAG Technical Working Group 9/15/2022
## 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

* = indicator with notable data or methodology modifications
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
- Total Population
- Race/Ethnicity Distribution
- Female-Headed Households
- Limited English Proficiency
- People with Disabilities

### Economy
- Educational Attainment
- Median Household Income
- Working Poor

### Communities
- Broadband Access
- Housing Cost Burden
- Housing Quality

### Mobility
- Access to Employment
- Bike + Pedestrian Collisions
- Commute Time

### Environment
- 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 advancing justice, equity, diversity, and inclusion throughout the SCAG region.

SCAG through region is working to plan for a healthier, more sustainable, economic, and more equitable future, and foster a culture of health, wealth, and opportunity. This document provides a highlight of the Racial Equity Baseline Conditions report and snapshot of current existing inequitable conditions of the region.

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 50 percent of that of White households.

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.

MOVILITY

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/WHITE residents who took the bus, car, taxi, or ferry to work experienced the longest commute, under an hour, compared to the other racial and ethnic groups.

ENVIRONMENT

HISPANIC (LATINO) residents made up the largest percentage of residents in the five-county CALEnviroScreen score among the highest percentiles.

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

HISPANIC (LATINO) residents were twice as likely to live in housing units without complete plumbing or kitchen facilities than the rest of the region.

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.

LEARN MORE

Packet Page 45
# 2022 Highlights – Educational Attainment

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

**SCAG region**

- 19% Less than HS Diploma
- 22% HS Diploma
- 20% Some College
- 8% AA Degree
- 21% BA Degree
- 11% MA Degree

*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.

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 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.

<table>
<thead>
<tr>
<th>County</th>
<th>Percentage of Tree Canopy Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imperial</td>
<td>43</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>37</td>
</tr>
<tr>
<td>Orange</td>
<td>15</td>
</tr>
<tr>
<td>Riverside</td>
<td>42</td>
</tr>
<tr>
<td>San Bernardino</td>
<td>41</td>
</tr>
<tr>
<td>Ventura</td>
<td>32</td>
</tr>
<tr>
<td>SCAG region</td>
<td>35</td>
</tr>
</tbody>
</table>

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%

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

For more information, please visit: