

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS ENVIRONMENTAL JUSTICE WORKING GROUP

November 8, 2018 9:30 am - 11:30 am

Policy Committee A Conference Room SCAG's Main Office 900 Wilshire Blvd., Ste. 1700, Los Angeles, CA 90017

AGENDA

- 1. **WELCOME AND SELF INTRODUCTIONS** *Ping Chang, Acting Manager, SCAG*
- 2. AUGUST EJWG MEETING SUMMARY
- 3. EJWG FEEDBACK DISCUSSION

 Anita Au and Tom Vo, Associate Regional Planner, SCAG
- 4. ENVIRONMENTAL JUSTICE TECHNICAL ANALYSIS Q&A Kimberly Clark, Regional Planner Specialist, SCAG
- 5. **EJ APPENDIX REORGANIZATION ACTIVITY**How should we reorganize the EJ Appendix?

TO PARTICIPATE VIA WEB CONFERENCING

To join the meeting: https://zoom.us/j/880836377

Dial-In: 1 (646) 558-8656 Meeting ID: 880 836 377

TO PARTICIPATE VIA VIDEOCONFERENCING

Video conferencing will be available at SCAG's regional offices in Imperial, Orange, Riverside, San Bernardino, Ventura counties and in the Palmdale videoconference site. Space is limited, so RSVP is required. Please RSVP here: https://scaq.wufoo.com/forms/z1krfx8q0a4q51k/

SCAG, in accordance with the Americans with Disabilities Act, is committed to providing special accommodations to those who are interested in participating in the workshop. SCAG is also committed to helping those with limited proficiency in the English language by providing translation services at the workshop in accordance with Title VI of the Civil Rights Act. We ask that you provide your request for special accommodations or translation services at least 72 hours prior to the meeting so that SCAG has sufficient time to make arrangements. Please contact Anita Au, Associate Regional Planner, at au@scag.ca.gov or by calling (213) 236-1874.

EJWG Feedback Discussion

November 8, 2018

Anita Au, Associate Regional Planner Tom Vo, Associate Regional Planner





- Who are some key stakeholders SCAG should reach out to during the 2020 TRP/SCS EJ outreach process?
 - Non-governmental organizations
 - Grassroots groups
 - Air Pollution Control Districts
 - Department of Toxic Substances Control
 - Public health departments
 - Los Angeles County Measure A stakeholders
 - City of Los Angeles Neighborhood Councils
 - Faith-based organizations



- Who are some key stakeholders SCAG should reach out to during the 2020 TRP/SCS EJ outreach process? (cont.)
 - Specific Groups:
 - Southeast Asian Community Alliance; Chinatown Community for Equitable Development; Sustainable Little Tokyo; Anahugh Youth Sports Association; Comite Civico Del Valle; Focus Group at LACI (on climate vulnerability)
 - Consider analyzing existing stakeholder list and <u>fill in gaps</u> of communities not represented
 - Consider looking into communities and cities going through climate action plans



- How can we expand on SCAG's EJ outreach approach from the 2016 RTP/SCS for the 2020 RTP/SCS?
 - Consider holding meetings in the evening, not during work hours and in accessible locations
 - Consider <u>releasing budget on EJ outreach process</u> (to show how much resources SCAG can have)
 - Understand that there are food, childcare, and transit costs for participants and consider compensation for participants
 - Consider hosting pop-up events and meeting people where they are at
 - Consider <u>including anecdotal information</u> from community based organizations



- How can we expand on SCAG's EJ outreach approach from the 2016 RTP/SCS for the 2020 RTP/SCS? (cont.)
 - Provide ample time for outreach
 - Consider exploring <u>contingency plans</u> for meetings with low attendance
 - Consider expanding online presence and surveys



- What are some <u>new</u> strategies/ideas SCAG staff can use to engage more with EJ stakeholders?
 - Consider reframing from heavy technical language
 - Consider inclusion of background and process during outreach process (Why is the outreach occurring? What's the purpose)



- What are some best practices on EJ outreach from other agencies or regions you think SCAG staff should look into for the 2020 RTP/SCS development process?
 - Consider having <u>bilingual meetings</u>
 - Consider having <u>follow-up meetings</u> to show community voice is heard and included in the process
 - Consider including short survey and more online presence
 - Consider or look into best practice examples of EJ policy
 - Kings County, Seattle, WA; Portland, OR; Minneapolis, MD
 - Consider providing <u>stipend</u> for community participants
 - Consider <u>using anti-displacement as a common goal</u> to achieving improved air quality, parks and open space, and transit access



- SCAG conducted EJ analyses for the 2016 RTP/SCS at the regional, community-based, and localized levels, depending on specific performance indicators. How can these three levels of analyses be further refined or improved?
 - Consider communities under AB1550
 - Consider <u>identifying ways to combine multiple EJ areas</u> to create new EJ area by combining their indices
 - Consider community proposed projects
 - Consider analyzing benefits and burdens on all people
 - Consider <u>adding numerical disparities</u> in park access, health vulnerabilities, and exposure to toxics



- How can we improve or enhance on the existing 18 performance indicators of the 2016 RTP/SCS EJ Appendix?
 - Consider <u>Healthy Places Index</u>, <u>MATES IV</u> study from AQMD, <u>LA County Health Profile</u>, <u>Riverside County Climate Adaptation Plan</u>; <u>develop an inventory of Health Impact Study</u> in the region to identify the gap
 - Consider expanding more on "Gentrification and Displacement" analysis to non-transit areas
 - Consider expanding on traffic safety to include collisions involving trucks
 - Consider examining industries impacted by sea level rise
 - Consider providing more detail of substandard housing
 - Consider race, educational attainment, rent vs. homeowners as indicators to determine communities vulnerable to gentrification and displacement



- What are some new performance indicators that we should consider in addition to the existing 18 performance indicators for the 2020 RTP/SCS EJ Appendix?
 - Consider providing an <u>Emerging Categories</u> that involves certain ports, truck routes, storage yards, etc.
 - Consider including <u>Heat island effects</u> (consider Urban Heat Islands (UHI) Index maps on CalEPA's website)
 - Consider including Seismic risk, liquefaction, and disaster resilience



- How can we make the EJ Appendix more user-friendly for local jurisdictions and stakeholders (i.e. organization of performance indicators, format of appendix, etc.)?
 - Consider providing <u>funding information/sources</u> as it relates to specific EJ topics
 - Consider reorganizing indicators into categories
 - Consider creating interactive application
 - Consider <u>utilizing matrices</u> to better show results of EJ analyses

Thank you



SCAG's Environmental Justice Appendix for the 2016 Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS)

Kimberly Clark
Research & Analysis Department
SCAG



Identifying EJ Population Groups



Minority:

· A person who is African American, Hispanic or Latino, Asian American, American Indian, Alaskan Native, Native Hawaiian and Other Pacific Islander

Low-Income:

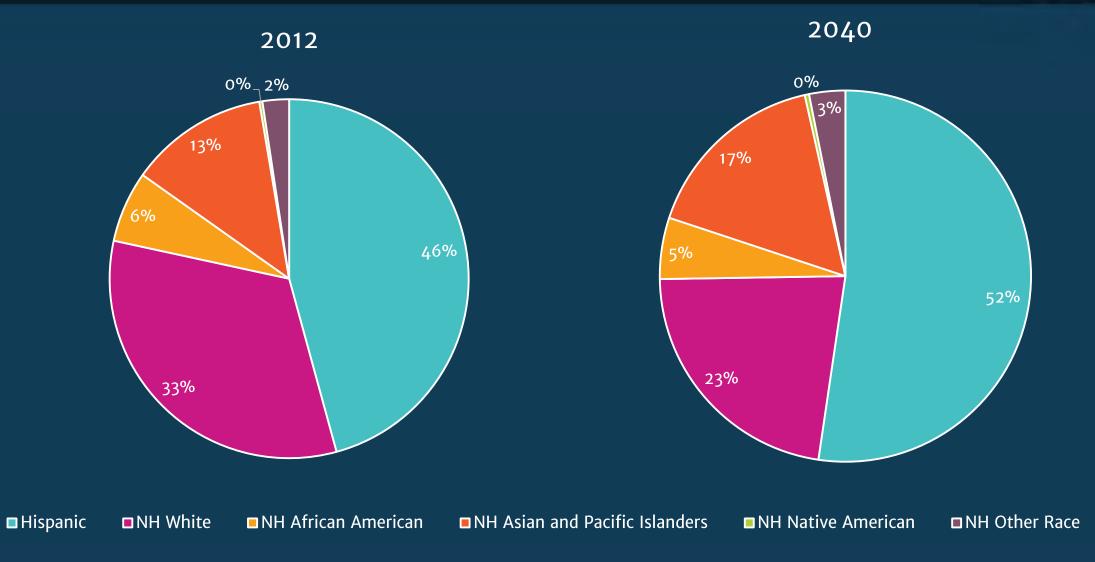
· A person whose median income is at or below the Department of Health and Human Services (HHS) poverty guidelines

Other Groups:

· Non-English speakers, Households without vehicles, Population without a high school degree or equivalent, Disabled individuals, Seniors - ages 65 and over, Young children

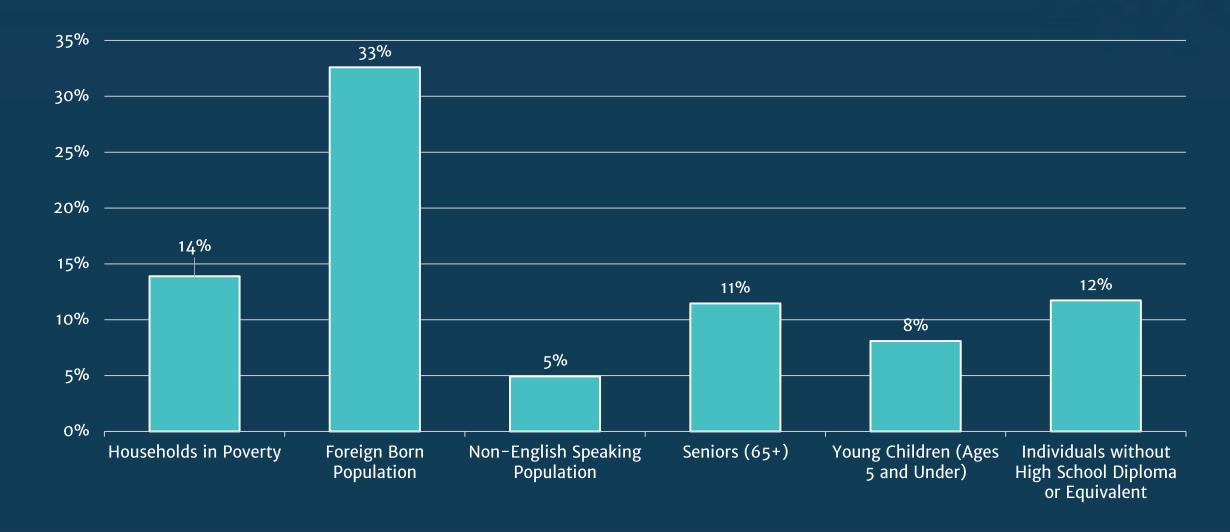
SCAG Demographic Profile (2016 – 2040 RTP/SCS)





SCAG Socioeconomic Profile (2016 – 2040 RTP/SCS)





Regional, Local, and Community Analysis



Regional Analysis:

· Appropriate when determining system-wide impacts (e.g. Financial Benefits and Burdens)

Localized Analysis:

· Appropriate for determining adverse impacts at the community level (emissions, noise, etc.)

Community Analysis:

· Appropriate for tabulating impacts of the RTP/SCS in selected places according to a "Communities of Concern" approach

Performance Indicators



- Benefits and burdens analysis
 - RTP revenue sources in terms of tax burdens
 - Share of transportation system usage
 - RTP/SCS investments
- Distribution of travel time savings and travel distance reductions
- Geographic distribution of transportation investments (NEW in 2016)
- Jobs-housing imbalance or jobshousing mismatch
- Impacts from funding through mileage-based user fees

- Accessibility to employment and services
- Accessibility to parks and schools
- Gentrification and displacement
- Emissions impacts
- Emissions impacts along freeways
- Active transportation hazards (NEW in 2016)
- Aviation noise impacts
- Roadway noise impacts
- Public health impacts (NEW in 2016)
- Rail-related impacts
- Climate vulnerability (NEW in 2016)

Performance Indicators (Current Conditions Analysis)



- Benefits and burdens analysis
 - RTP revenue sources in terms of tax burdens
 - Share of transportation system usage
 - RTP/SCS investments
- Distribution of travel time savings and travel distance reductions
- Geographic distribution of transportation investments (NEW in 2016)
- Jobs-housing imbalance or jobshousing mismatch
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- Accessibility to employment and services
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- Rail-related impacts
- Climate vulnerability (NEW in 2016)

Performance Indicators - Benefits and Burdens



Share of Retail & Gasoline Taxes Paid & RTP Investments by Ethnicity



Other Race 22%

Other Race 15,3%

Asian/Pacific Islander 19,0%

Native American 0,4%

O.4%

African American 6,9%

E.1%

White 39,7%

Hispanic 25,1%

Share of Total Households in the Region Share of Retail & Gasoline Tax Paid

Share of Income Tax Paid

FIGURE 25

Examines who will pay for the RTP/SCS and who will benefit from the Plan



Hispanic

Other Race

Asian/Pacific Islander

Native American

African American

White

White

0%

20%

40%

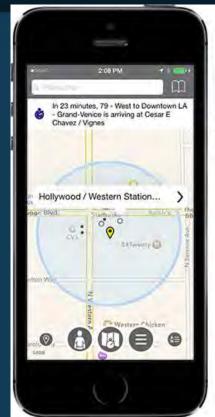
60%

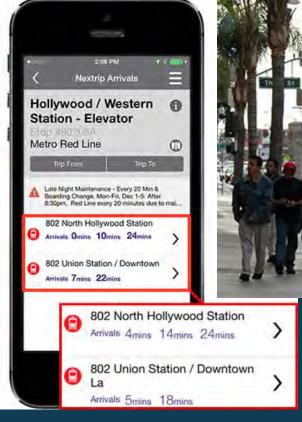
80%

Source: SCAG 2010 Househeld Travet, Survey, 2009 Notional Househeld Travet Survey

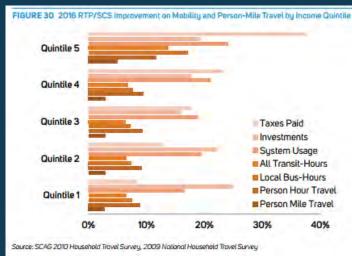
Performance Indicators – Travel Time Savings



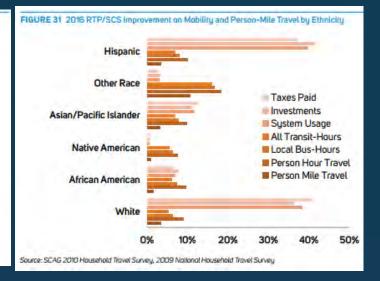






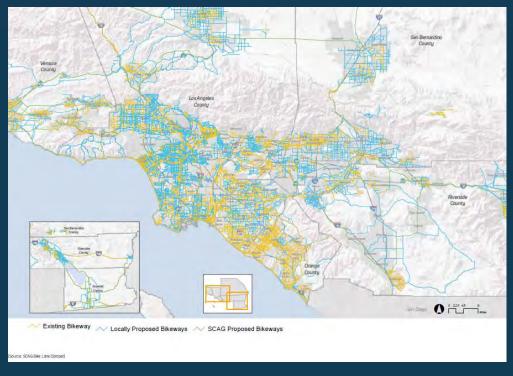


Examines the potential savings in travel time that results from the 2016 RTP/SCS based on each group's usage of the transportation system



Performance Indicators – Geographic Distribution of Transportation Investments

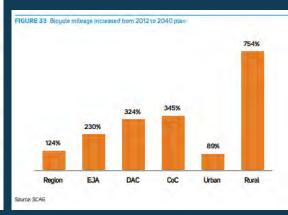




Project Type	Region	EJA	DAC	CoC	Urban	Rural
Express	25%	61%	47%	14%	89%	11%
HOV	25%	56%	42%	15%	89%	11%
Mixed-Flow	27%	58%	45%	19%	55%	45%
Toll (excl. Freight)	24%	47%	16%	5%	68%	32%
Region	100%	56%	38%	14%	75%	25%

Mode	Region	EJ	DAC	CoC	Urban	Rura
Local Bus	17%	66%	35%	10%	100%	0%
Express Bus	26%	54%	36%	14%	90%	9%
Rapid Bus	30%	80%	53%	37%	100%	0%
BRT	2%	89%	80%	62%	100%	0%
Heavy/Light Rail	12%	75%	57%	44%	100%	0%
Metrolink	10%	54%	55%	23%	98%	2%
High Speed Rail	4%	63%	30%	10%	48%	52%
TOTAL	100%	68%	46%	26%	95%	5%

Examines where transportation investments will occur throughout the region and in communities of concern



Performance Indicators – Job Housing Balance



TABLE 34 Median Commute Distance (in Miles) by Wage in the SCAG Region, 2002-2012

		2	012		
Origin	Destination	All Jobs	Low Wage	Med. Wage	High Wage
SCAG	SCAG	10.1	9.0	9.7	11.3
Imperial	SCAG	8.5	6.3	9.1	9.6
Los Angeles	SCAG	9.1	8.1	8.9	10.1
Orange	SCAG	9.8	8.9	8.9	10.8
Riverside	SCAG	16.6	14.8	14.9	19.3
San Bernardino	SCAG	16.2	14.7	15.1	18.2
Ventura	SCAG	11.2	11.7	10.0	12.0

		20	800		
Origin	Destination	All Jobs	Low Wage	Med. Wage	High Wage
SCAG	SCAG	9.8	8.9	9.4	11.0
Imperial	SCAG	7.6	5.5	8.4	8.2
Los Angeles	SCAG	9.0	8.1	8.7	10.0
Orange	SCAG	9.3	8.6	8.4	10.3
Riverside	SCAG	15.8	14.2	14.3	18.5
San Bernardino	SCAG	15.7	14.8	14.7	17.4
Ventura	SCAG	10.5	11.2	9.3	11.4

		20	002		
Origin	Destination	All Jobs	Low Wage	Med. Wage	High Wage
SCAG	SCAG	9.4	8.6	8.8	11.0
Imperial	SCAG	7.5	8.1	7.2	5.6
Los Angeles	SCAG	8.8	8.2	8.4	10.2
Orange	SCAG	9.0	8.0	8.1	10.6
Riverside	SCAG	13.4	11.8	12.2	17.6
San Bernardino	SCAG	13.3	12.1	12.4	16.0
Ventura	SCAG	9.4	8.6	8.4	11.5

(Note: "Low Wage" = Jobs with earnings \$1250/manth or less; "Med. Wage" = Jobs with earnings \$1251/manth to \$3333/manth; "High Wage" = Jobs with earnings greater than \$3333/manth)

Source: SCAG, U.S. Census Bureau. 2015. LODES Data. Longitudinal-Employer Household Dynamics Program

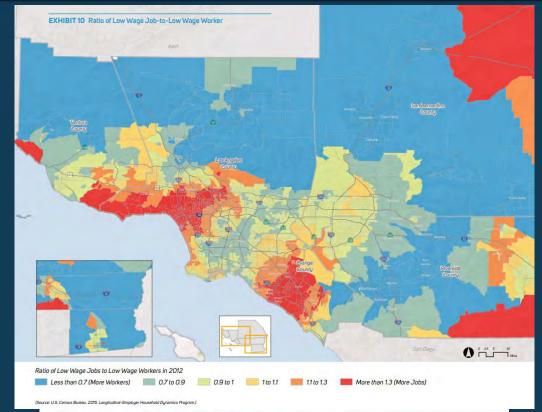


TABLE 35 Job-to-Worker Ratio by Wage in the SCAG Region, 2012

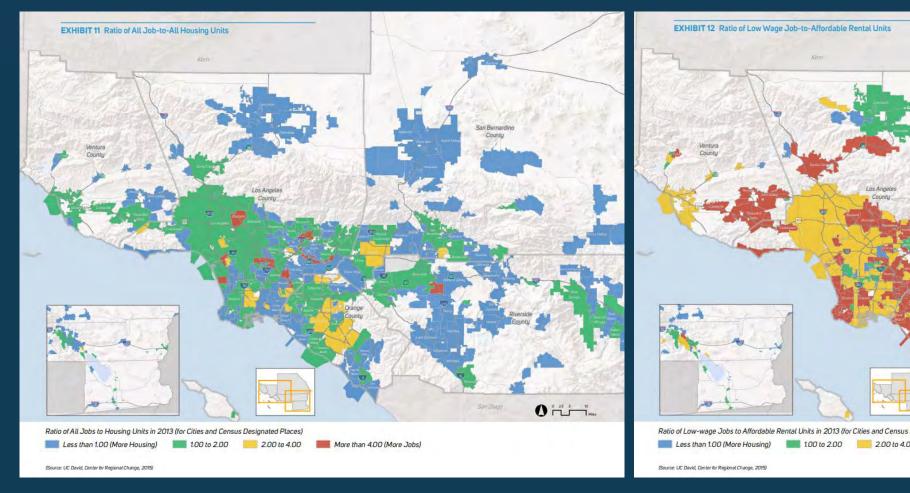
County	All Jobs	Low Wage	Med. Wage	High Wage
Imperial	0.94	0.93	0.93	1.01
Las Angeles	1.17	1.09	1.18	1.23
Orange	1.13	1.16	1.13	1.11
Riverside	0.86	0.88	0.85	0.88
San Bernarding	0.91	0.93	0.9	0.92
Ventura	0.91	0.97	0.91	0.86
Ventura	0.91	0.97	0.91	

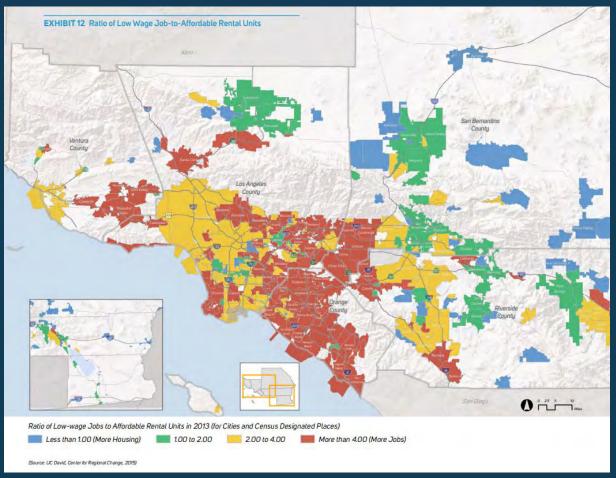
Source: SCAG, U.S. Census Bureau. 2015. LODES Data. Longitudinal-Employer Household Dynamics Program

- Looks at the travel behavior of commuters and their relative incomes
- Also the distribution of low wage jobs and affordable housing throughout the region

Performance Indicators – Job Housing Imbalance

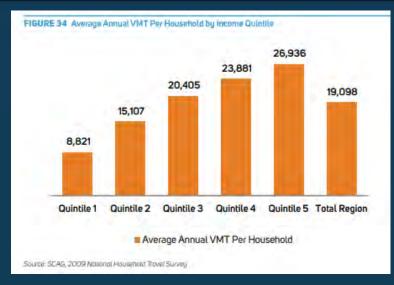


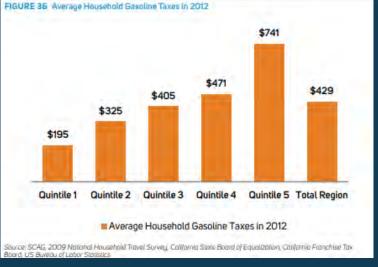


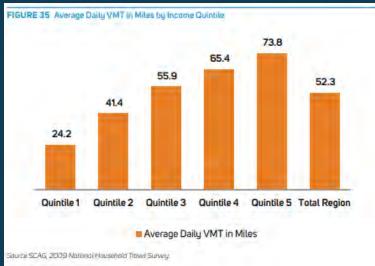


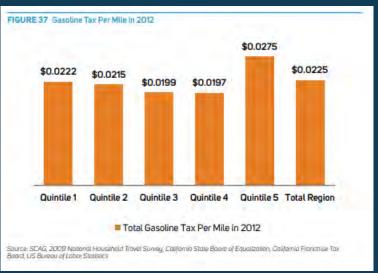
Performance Indicators - Mileage-Based User Fee











 Examines the regressive impact of the gasoline tax on low income households and compares the mileage-based user fee

Performance Indicators – Accessibility to Employment and Services







Looks at the accessibility to employment, shopping destinations, and hospitals within a 30 minute travel area by car and 45 minute travel area by transit (rail and bus), also looks at the share of destinations within a 1 and 2 mile travel distance by EJ group

Photos: Metro, OCBC

Performance Indicators – Accessibility to Parks and Schools





Looks at the accessibility to local and regional parks within a 45 minute travel area by car and transit (rail and bus), also looks at the share of population within 1 and 2 miles travel distance of the region's parks and schools

Photos: ClimateResolve.org, National Park Service

Performance Indicators – Gentrification and Displacement



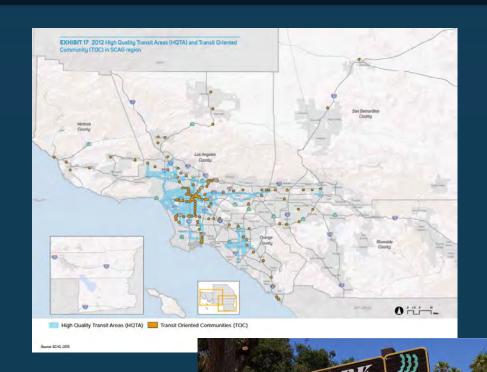


EXHIBIT 18 2012 High Quality Transit Areas (HQTA) and Transit Oriented - استان

Examines
historical trends
in high quality
transit areas and
neighborhoods in
close proximity
to rail transit
stations

Performance Indicators – Emissions Impacts



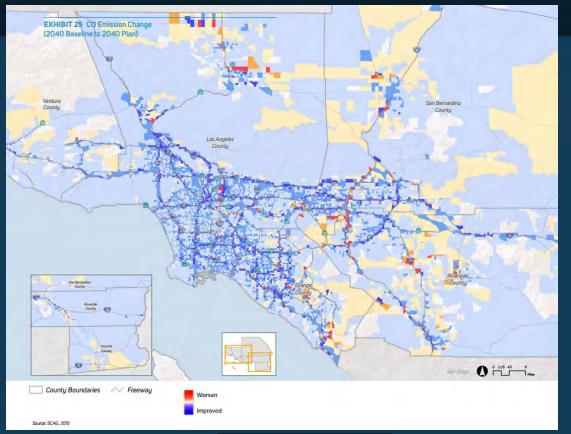




TABLE 72 CO Emission Reductions

•	Examines air
	quality impacts
	for particulate
	matter and
	carbon monoxid
	of the RTP/SCS
	at the regional
	level and for
	SCAG's
	environmental
	justice areas



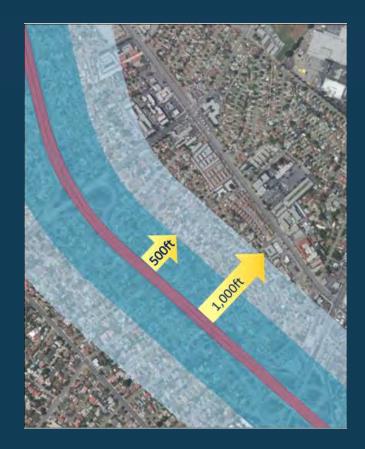


	Region	EJÁ	DAC	CoC	Urban	Rural
2012 Base Year vs. 2040 Baseline	79%	79%	79%	80%	80%	72%
Baseline vs. Plan	9%	9%	9%	9%	10%	7%
ABLE 73 PM ₁₅ Emission	Reductions					
	Reductions	EJA	DAC	CoC	Urban	Rura
		EJA 28%	DAC 30%	CoC 25%	Urban 25%	Rura

Figures: ARB, sparetheair.org, Medscape.com

Performance Indicators – Air Quality Impacts Along Highways





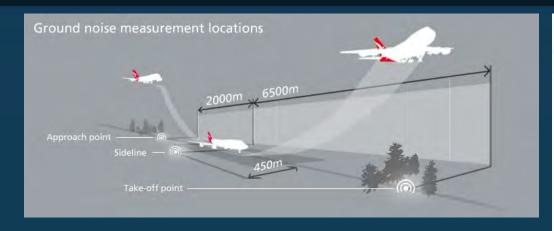


 Examines air quality impacts of the RTP/SCS for areas in close proximity to highways

		Emissions within 500-Foot of Freeways (Tons per Day)		Emissions in the SCAG Region (Tons per Day)			Decrease in Er 500-Foot Free	nissions within eways	Decrease in Emissions in the SCAG Region	
Criteria Pollutant	Base Year 2012	2040 Baseline	2040 Plan	Base Year 2012	2040 Baseline	2040 Plan	Base Year 2012 to 2040 Baseline	2040 Baseline to 2040 Plan	Base Year 2012 to 2040 Baseline	2040 Baseline to 2040 Plan
co	445	89	80	1,545	326	296	-80%	-9%	-79%	-9%
PM ₂₅	5.0	3.5	3.4	17.6	12.9	12.2	-28%	-6%	-27%	-6%

Performance Indicators – Aviation Noise Impacts





METHODOLOGY

To identify potentially impacted populations, the anticipated population within the 65 dB CNEL contour was calculated using the following steps:

- Use the Integrated Noise Model (INM) to generate aviation noise contour of 65 dB (community noise equivalent - CNEL), based on the estimated noise analysis from the aviation technical information in SCAG's 2001 RTP. Note that the noise contours estimated from the 2001 planning cycle represent potentially the largest noise contour areas in recent years, due to trends in the industry that have been signaling the adoption of guieter airplane engines and less aviation operations.
- Identify areas of concern within the aviation noise zone.
- groups for each area of concern within the noise zone.

Estimate and compare to the greater region the share of environmental justice

TABLE 84 EJ Variables within the Aviation 65-dB Noise Impacted Areas for 2016 RTP/SCS

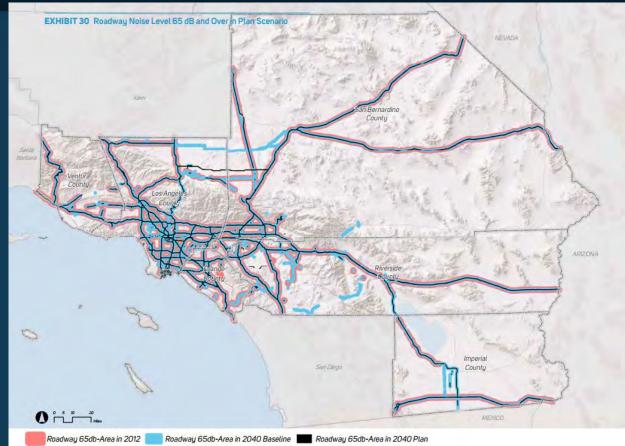
	2012 Ba	se Year	2040 B	aseline	2040	Plan	Plan - Baseline	Percent Difference
Population	91,928	0.5%	156,253	0.7%	134,277	0.6%	(21,976)	-14%
Hispanic	50,773	55%	86,253	55%	74,965	56%	(11,288)	-13%
White	12,873	14%	20,004	13%	17,622	13%	(2,383)	-12%
African American	23,096	25%	30,563	20%	24,711	18%	(5,852)	-19%
Native American	158	0%	430	0%	378	0%	(52)	-12%
Asian & PI	3,173	3%	14,343	9%	12,647	9%	(1,697)	-12%
Other Races	1,855	2%	4,659	3%	3,954	3%	(705)	-15%

Examines population in areas incurring aviation noise at or above 65 dB Community Noise Equivalent Level (CNEL), a measure of noise that takes into account both the number and the timing of flights, as well as the mix of aircraft types

Figure: Qantas

Performance Indicators - Roadway Noise Impacts







Examines population in areas incurring noise along roadways at or above 65 dB Community Noise Equivalent Level (CNEL), which accounts for traffic volume, speed, and vehicle types including heavy duty trucks

TABLE 88 Distribution of EJ population within 65-dB Roadway Noise Area

Source: SCAG, 2015

			2012 B	ase Yea	r			2040 Baseline				2040 Plan						
	Within 65 dB (2012)					Within 65 dB (2040)				Within 65 dB (2040)								
	Region	EJA	DAC	CoC	Urban	Rural	Region	EJA	DAC	CoC	Urban	Rural	Region	EJA	DAC	CoC	Urban	Rural
Population	2.0%	74.1%	53.0%	27.5%	99.5%	0.4%	2.3%	71.8%	51.2%	26.4%	98.6%	1.4%	2.4%	71.4%	51.6%	26.3%	98.7%	1.3%
Hispanic	51.5%	60.6%	65.9%	73.1%	51.6%	37.2%	56.2%	61.5%	64.3%	69.4%	56.2%	57.7%	56.3%	61.9%	64.6%	69.6%	56.3%	58.0%
White	26.5%	16.8%	13.1%	8.1%	26.4%	50.4%	18.6%	13.6%	12.0%	9.4%	18.6%	21.2%	18.5%	13.4%	11.9%	9.3%	18.5%	20.5%
African American	6.5%	7.6%	7.9%	10.2%	6.5%	3.5%	5.0%	5.5%	5.5%	6.3%	5.0%	5.6%	5.0%	5.5%	5.4%	6.2%	4.9%	5.6%
Native American	0.3%	0.3%	0.2%	0.2%	0.2%	2.6%	0.3%	0.3%	0.3%	0.3%	0.3%	1.0%	0.3%	0.3%	0.3%	0.3%	0.3%	1.0%
Asian	12.9%	12.9%	11.2%	7.2%	13.0%	3.6%	17.0%	16.5%	15.5%	12.5%	17.0%	11.4%	16.9%	16.3%	15.4%	12.5%	17.0%	11.7%
Other Race	2.2%	1.9%	1.6%	1.2%	2.2%	2.6%	2.9%	2.6%	2.4%	2.1%	2.9%	3.2%	2.9%	2.6%	2.4%	2.1%	2.9%	3.2%

Photo: RCTC

Performance Indicators - Active Transportation Hazards

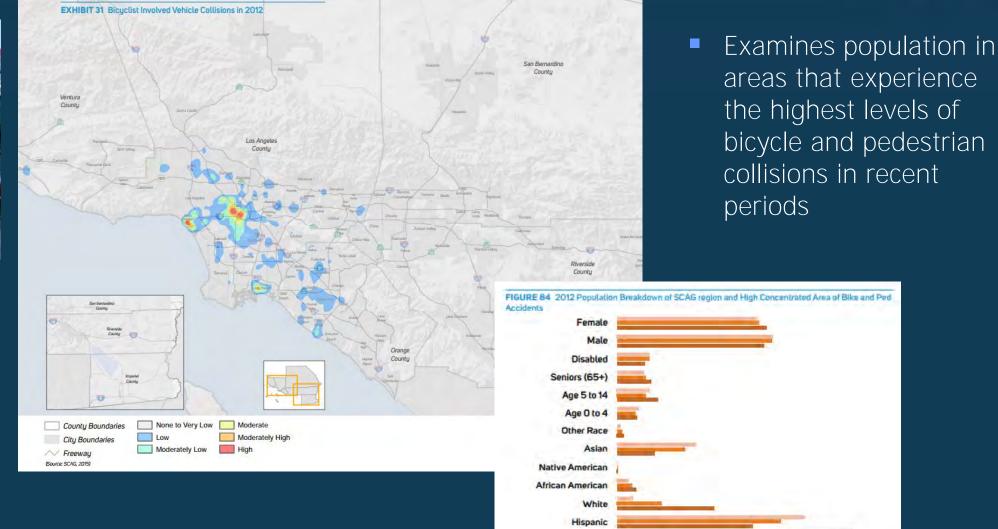
Photos: Metro, Safe Routes to School



Regional Share



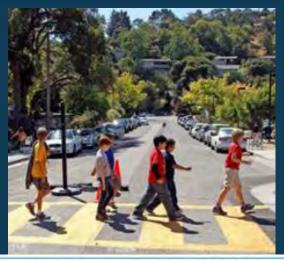


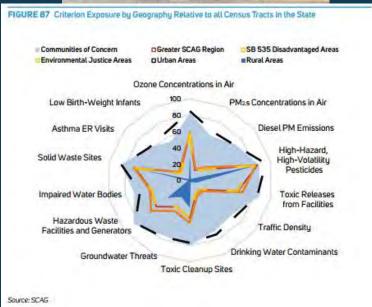


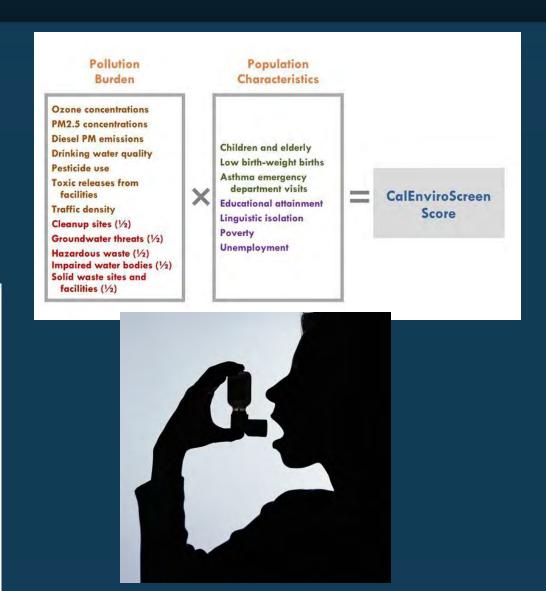
Source: SCAG, SWITRS

Performance Indicators - Public Health Impacts









Examines
 existing public
 health conditions
 throughout the
 region based on
 Cal/EPA's
 CalEnviroScreen
 data

Performance Indicators - Rail Related Impacts



TABLE 90 Distribution of Environme	ental Justice Demographic Groups in the Ra	ailroad Adjacent Areas					
	With	hin 500-Foot of Railro	ads	SCAG Region			
	Base Year 2012	2040 Baseline	2040 Plan	Base Year 2012	2040 Baseline	2040 Plan	
		Popul	ation				
Hispanic	63.1%	64.2%	63.9%	45.7%	52.3%	52.3%	
White	18.6%	14.3%	14.4%	32.7%	22.4%	22.4%	
African American	6.1%	4.7%	4.7%	6.4%	5.3%	5.3%	
Native American	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	
Asian	10.2%	14.1%	14.3%	12.5%	16.4%	16.4%	
Other Races	1.6%	2.4%	2.4%	2.4%	3.1%	3.1%	

TABLE 91 Distribution of Environmental Justice Demographic Groups in the Areas Adjacent to Grade Separation Projects

	Within 500-Foot of Grade Separation Projects			SCAG region		
	Base Year 2012	2040 Baseline	2040 Plan	Base Year 2012	2040 Baseline	2040 Plan
		Popul	ation			
Hispanic	62.0%	64.2%	64.2%	45.7%	52.3%	52.3%
White	18.2%	13.5%	13.3%	32.7%	22.4%	22.4%
African American	2.8%	3.3%	3.4%	6.4%	5.3%	5.3%
Native American	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%
Asian & PI	15.1%	16.6%	16.7%	12.5%	16.4%	16.4%
Other Races	1.6%	2.1%	2.1%	2.4%	3.1%	3.1%

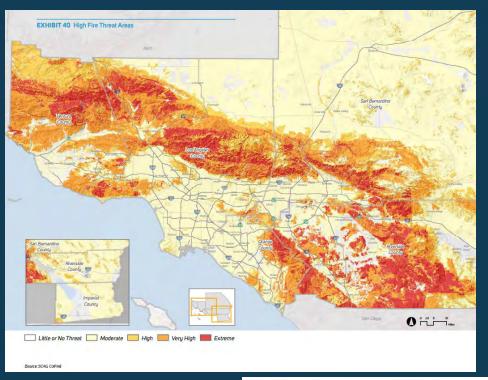
Examines
 population living in
 close proximity to
 freight/commuter
 rail lines, along with
 future grade
 separations

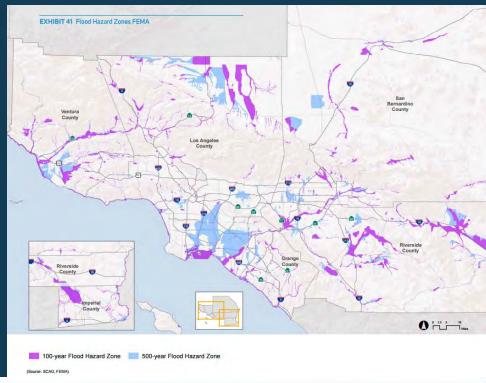


Photo: Port of Long Beach

Performance Indicators – Climate Vulnerability







cost pressures (-)

B) EQS. Impacts of Potential Adaptation Policies on E 1 Populations

Climate Advantation Delieu	A STATE	Potential Impact on EJ Populations					
Climate Adaptation Policy	Source	Spatial	Financial	Health			
Select materials/designs to improve road resiliency to high temperatures, and to reduce heat retention	State of California	New/reconstructed roads may run through vulnerable communities (-) investment could be prioritized for most vulnerable areas (+)	Higher cost treatments could divert funds from transit, other measures (-); could save costs in long term by avoiding need for reconstruction (+)	Noise impacts; air pollution impacts during construction and use (-). Reduce heat island impacts (+).			
Fortify roadways vulnerable to storm surge and sea-level rise	City of Chula Vista; State of California	Roads may run through vulnerable communities (-); Could protect such communities, e.g. during evacuations (+)	Higher cost treatments could divert funds from transit, other measures (-); could save costs in long term by avoiding need for reconstruction (+)	Noise impacts; air pollution impacts during construction and use (-); Could improve safety (+)			
Increasing shade trees	Western Riverside Council of Governments (WRCOG); City of Chula Vista	Investment could be prioritized for most vulnerable areas (+)	Funding greater availability of shade trees could divert funds from other measures (-); Shading can reduce cooling costs (+); Increased greening may increase gentrification/housing	Visual impacts (+); Reduction in ambient temperatures (+); Reduction in stress (+)			

Examines
conditions in
environmental
justice
communities
related to
potential climate
vulnerability
(e.g. sea level
rise, wildfire risk)



EJ Topic	No.	EJ Performance Measures	Regional Impacts						
ON S	1	2016 RTP/SCS Revenue Sources in Terms of Tax Burdens	Improve						
BENEFITS AND BURDENS	2	Share of Transprotation System Usage	Improve						
BEN	3	2016 RTP/SCS Investments vs. Benefits	Improve						
EJ Topic	No.	EJ Performance Measures	Region	EJA	DAC	CoC	Urban	Rural	
RAVEL		Distribution of Travel Distance Savings Reductions (30 Minute Auto)	Improve	Improve	Improve	Improve	Improve	Does Not Improve	
AE AND T CE SAVIN	4	Distribution of Travel Time Reductions (30 Minute Auto)	Improve	Improve	Improve	Improve	Improve	Improve	
TRAVELTIME AND TRAVEL DISTANCE SAVINGS		Distribution of Travel Time Reductions (45 Minute All Transit)	Improve	Improve	Improve	Improve	Improve	Improve	
		Distribution of Travel Time Reductions (45 Minute Local Bus)	Improve	Improve	Improve	Improve	Improve	Improve	
BUTION		Geographic Distribution of Transportation Investments in Bicycle (by lanemile)	Improve	Improve	Improve	Improve	Improve	Improve	
GEOGRAPHIC DISTRIBUTION OF TRANSPORTATION INVESTMENTS	5	Geographic Distribution of Transportation Investments in Transit (by mile)	Improve	Improve	Improve	Improve	Improve	Improve	
GEDGRAP OF TR/	U	Geographic Distribution of Transportation Investments in Highway (by lanemile)	Improve	Improve	Improve	Improve	Improve	Improve	
JOBS: HOUSING BALANCE	6	Jobs-Housing Imbalance or Jobs-Housing Mismatch	Current Conditions Analysis Results show that higher wage workers tend to commute longer distances than lower wage workers Average commute distance, however, grew in all six counties between 2002 and 2012, and especie in the Inland counties where there is a lower job-to-worker ratio than coastal counties. The Plan will contribute to improvements in jobs-housing balance throughout the region, and especially in inland countles.				and especially he Plan will		
IMPACTS FROM MILE- BASED USER FEE	7	Impacts from Funding Through Mileage-Based User Fee	There is no disproportionate impact. The proposed mileage-based user fee system is deemed more equitable to low income groups than both the gasoline tax and sales tax, which are highly regressive. It the current structure, tow income households pay more per mile in gasoline tax than their higher earnif counterparts due to their lower adoption rates of new (more fuel efficient) vehicles. With the mileage-buser fee system, all households will pay in proportion to their usage of the transportation system.						

 Pages 12 to 15 show summarized findings at the regional level and by community of concern (as applicable) for each indicator



Topic	No.	EJ Performance Measures	Region	EJA	DAC	CoC	Urban	Rura
		Accessibility to Employment (time-based) (Weighted Average Job Accessibility by Auto within 30 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
CES		Accessibility to Employment (time-based) (Weighted Average Job Accessibility by All Transit within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
SERV		Accessibility to Employment (time-based) (Weighted Average Job Accessibility by Local Bus within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
T AN		Accessibility to Shopping (time-based) (Weighted Average Job Accessibility by Auto within 30 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
OVME	8	Accessibility to Shopping (time-based) (Weighted Average Job Accessibility by All Transit within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
ACCESSIBILITY TO EMPLOYMENT AND SERVICES	8	Accessibility to Shopping (time-based) (Weighted Average Job Accessibility by Local Bus within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
		Accessibility to Employment within one mile (distance-based) (Weighted Average Job Accessibility within One Mile Distance)	Improve	Improve	Improve	Improve	Improve	Does Not Improve
		Accessibility to Shopping within one mile (distance-based) (Weighted Average Shopping Accessibility within One Mile Distance)	Improve	Improve	Improve	Improve	Improve	Improve
ADCE		Accessibility to Employment within two mile (distance-based) (Weighted Average Job Accessibility within Two Mile Distance)	Improve	Improve	Improve	Improve	Improve	Improve
		Accessibility to Shopping within two mile (distance-based) (Weighted Average Shopping Accessibility within Two Mile Distance)	Improve	Improve	Improve	Improve	Improve	Improve
		Accessibility to Local Parks (Weighted Average Local Park Accessibility by Auto within 30 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
S		Accessibility to Local Parks (Weighted Average Local Park Accessibility by All Transit within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
LLAN	9	Accessibility to Local Parks (Weighted Average Local Park Accessibility by Local Bus within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
NATURAL LANDS	Э	Accessibility to Natural Lands (Weighted Average Local Park Accessibility by Auto within 30 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
2		Accessibility to Natural Lands (Weighted Average Local Park Accessibility by Alt Transit within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve
		Accessibility to Natural Lands (Weighted Average Local Park Accessibility by Local Bus within 45 Minutes)	Improve	Improve	Improve	Improve	Improve	Improve

 Pages 12 to 15 show summarized findings at the regional level and by community of concern (as applicable) for each indicator



J Topic	No.	EJ Performance Measures	Region	EJA	DAC	CoC	Urban	Rural
PROXIMITY TO SCHOOLS AND PARKS		Population within One Mile Distance From Local Parks	Does Not Improve	Does Not Improve	Does Not Improve	Does Not Improve	Does Not Improve	Improve
		Population within Two Mile Distance From Local Parks	Does Not Improve	Does Not Improve	Improve	Does Not Improve	Does Not Improve	Improve
	10	Population within One Mile Distance From Natural Lands	Does Not Improve	Does Not Improve	Improve	Improve	Does Not Improve	Improve
AND P	10	Population within Two Mite Distance From Natural Lands	Improve	Improve	Improve	Improve	Improve	Improve
PROX		Population within One Mile Distance From Schools	Does Not Improve	Does Not Improve	Does Not Improve	Does Not Improve	Does Not Improve	Improve
		Population within Two Mile Distance From Schools	Does Not Improve	Does Not Improve	Improve	Does Not Improve	Does Not Improve	Improve
GENTRIFICATION	11	Gentrification and Displacement	neighborhoods of gentrification seen less grow income has de Median housel in High Quality gentrification w	within a 1/2 mile and displacement th in TOCs during creased less and a nold income has a Transit Areas* (H /hich could cause	distance of existin nt in these areas. O the period from 20 median gross rent ilso decreased less (OTAs). These diffe	g rail stations, and compared to the re 000 to 2013. At the increased more in a and median gross erent growth patter ninority and low inc	s, TOCs were define were analyzed to a gion, Hispanics and e same time, media TOCs than in the gr s rent increased mo ns in TOCs may be come households. \$	ssess the level Seniors have in household eater region. re in TOCs than the evidence o
EMISSIONS IMPACT ANALYSIS	12	Emissions Impact Analysis (PM ₂₅)	Improve	Improve	Improve	Improve	Improve	Improve
EMISS IMP ANAL	12	Emissions Impact Analysis (CO)	Improve	Improve	Improve	Improve	Improve	Improve
J Topic	No.	EJ Performance Measures		Regional Imp	acts	Wi	ithin 500' of Fre	
200		Impacts Along Freeways and Highty Traveled Corridors (Percentage of Minority Population)	No Change			Does Not Improve		
WS AN RAVEL DORS	13	Impacts Along Freeways and Highly Traveled Corridors (Percentage of Low-Income Households)		No Change			Improve	
IMPACTS ALDNG FREEWAYS AND HIGHLYTRAVELED CORRIDORS	13	Impacts Along Freeways and Highty Traveled Corridors (Decrease in Emissions - CO)		Improve			Improve	
三 か / 市 ロー								

Pages 12 to 15 show summarized findings at the regional level and by community of concern (as applicable) for each indicator

^{*} High Quality Transit Areas (HCTAs) represent the half mile zone surrounding all rail transit stations, ferry terminals served by bus or rail transit service, the intersection of two or male major bus routes with a frequency interval of 15 minutes or less during morning and afternoon peak commute periods, and corridors with fixed route bus service with headways of no longer than 15 minutes during peak commute hours.

cooling centers. In addition, minority and low people may be greater impacted by the disruption to their place of work and the local economy, since many may have fewer financial reserves to sustain themselves. Please refer to the Environmental Justice Appendix for potential strategies to reduce harms at the local



EJ Topic	No.	EJ Performance Measures	Region	EJA	DAC	CoC	Urban	Rural
NOISE ANALYSIS		Aviation Noise Impacts	Improve	Improve	Improve	Improve	Improve	No Change
	14	Roadway Noise Impacts	Does Not Improve	Improve	Does Not Improve	Improve	Does Not Improve	Improve
AT HAZARD	15	Active Transportation Hazard	Current Conditions Analysis Collisions data from 2012 shows that low income and minority communities incur a higher rand pedestrian risk. Improvements in active transportation infrastructure and complete stresuch as those proposed in the Plan, have been shown to reduce hazard to cyclists and pede Environmental Justice Toolbox, available at the end of this report, lists potential strategies to the local level			treets measures, edestrians. The		
PUBLIC	16	Public Health Analysis	increase, there public health in	indicate that air qui is sometimes a h idicators from the	igher proportion of CalEnviroScreen t	throughout the regic minority and low inc ool, it appears that a of the highest risks t	come population. areas with the hig	When examining hest concentration
EJ Topic	No.	EJ Performance Measures	R	Region Railroad Adjacent Areas		Areas Adjacent to Grade Separation Projects		
LATED	17	Rail-Related Impacts (Percentage of Minority Population)	No	Change	li	nprove	In	nprove
RAIL RELATED IMPACTS	1/	Rail-Related Impacts. (Percentage of Low-Income Households)	No	Change	Ir	nprove	No	Change
			Current Conditi		minority and low	income population	are at a greater r	isk for experienci

For items that show "Does Not Improve", strategies to reduce impacts for law income and minority groups are included in the Environmental Justice Toolbox, which is available at the end of this Appendix.

 Pages 12 to 15 show summarized findings at the regional level and by community of concern (as applicable) for each indicator

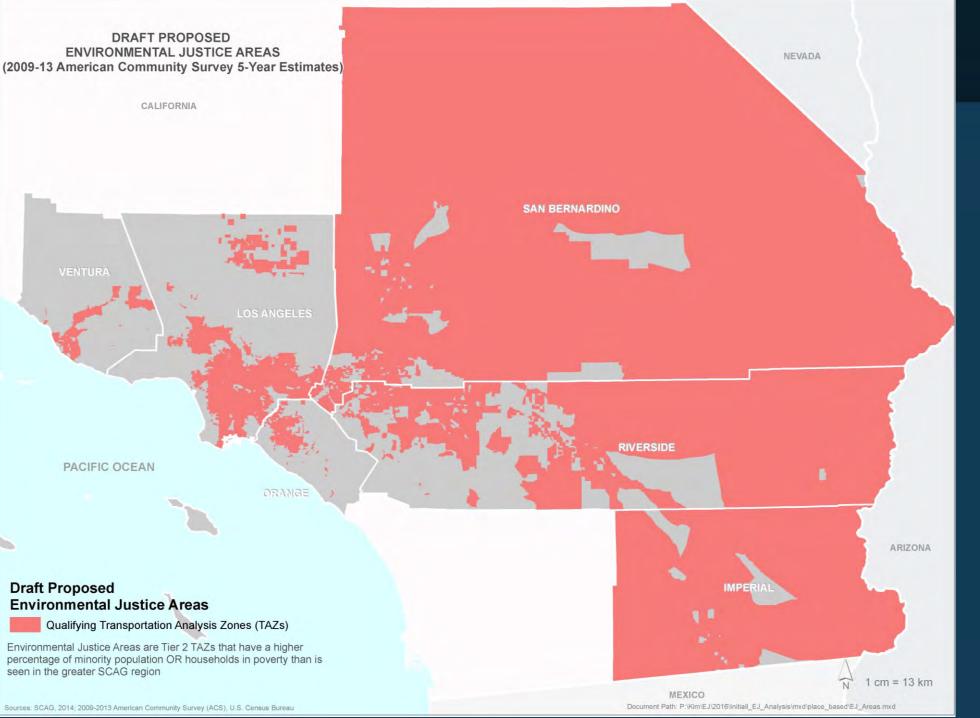
Thank you



Community-Based Analysis

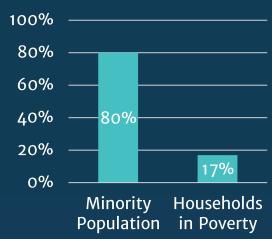


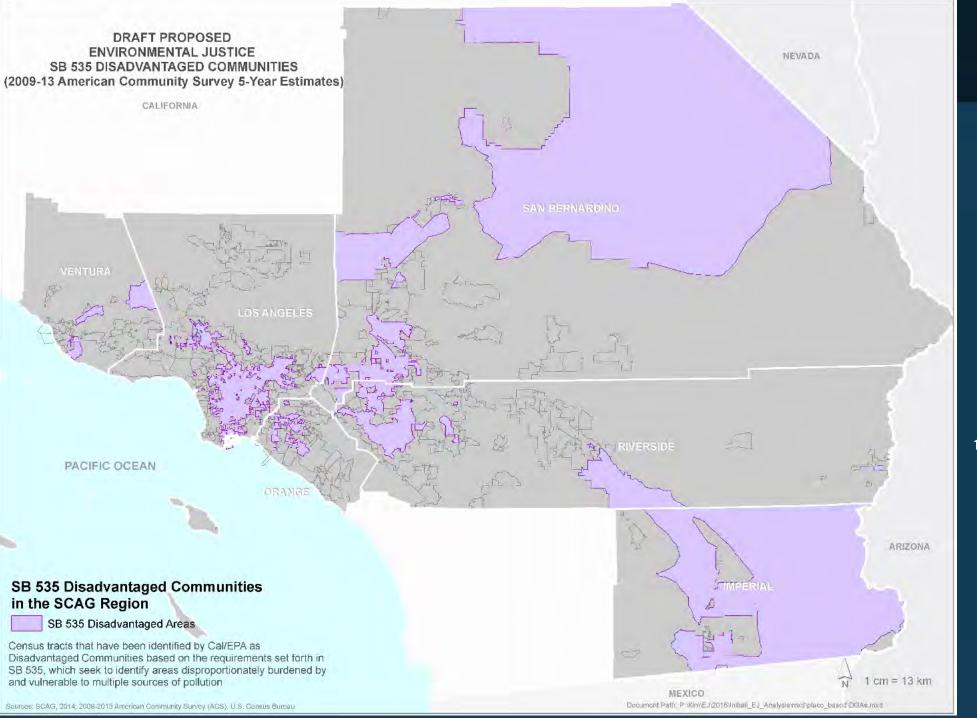
- Environmental Justice Areas Transportation Analysis Zones (TAZs), which are similar to block groups, that have a higher concentration of minority OR low income households than is seen in the region as a whole. The inclusion of this geography helps to fulfill SCAG's Title VI requirements, along with other state and federal environmental justice guidelines
- SB 535 Disadvantaged Areas Census tracts that have been identified by Cal/EPA as Disadvantaged Communities based on the requirements set forth in SB 535, which seek to identify areas disproportionately burdened by and vulnerable to multiple sources of pollution
- Communities of Concern Census Designated Places (CDPs) and City of Los Angeles Community Planning Areas (CPAs) that fall in the upper 1/3rd of all communities in the SCAG Region for having the highest concentration of minority population AND low income households





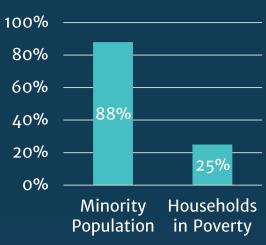
12.4 Million **People** 68% of Region

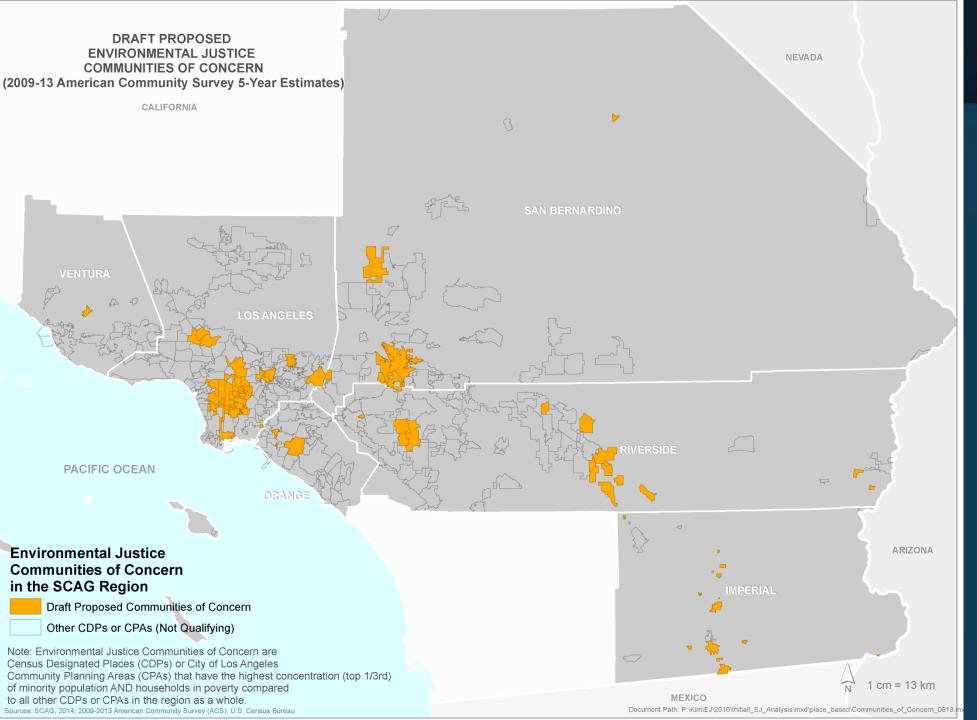






6.4 Million People 35% of Region

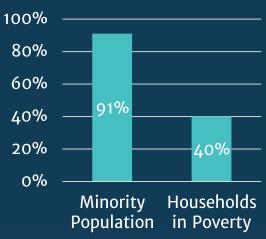




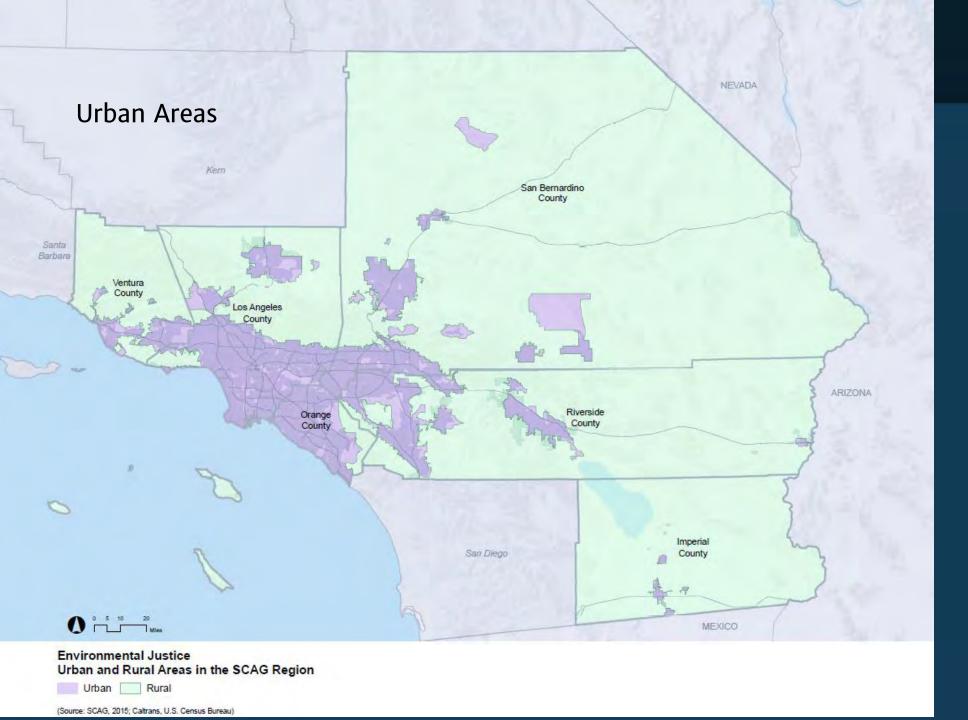


4.2 Million People

23% of Region

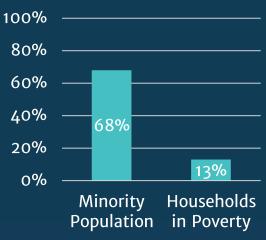


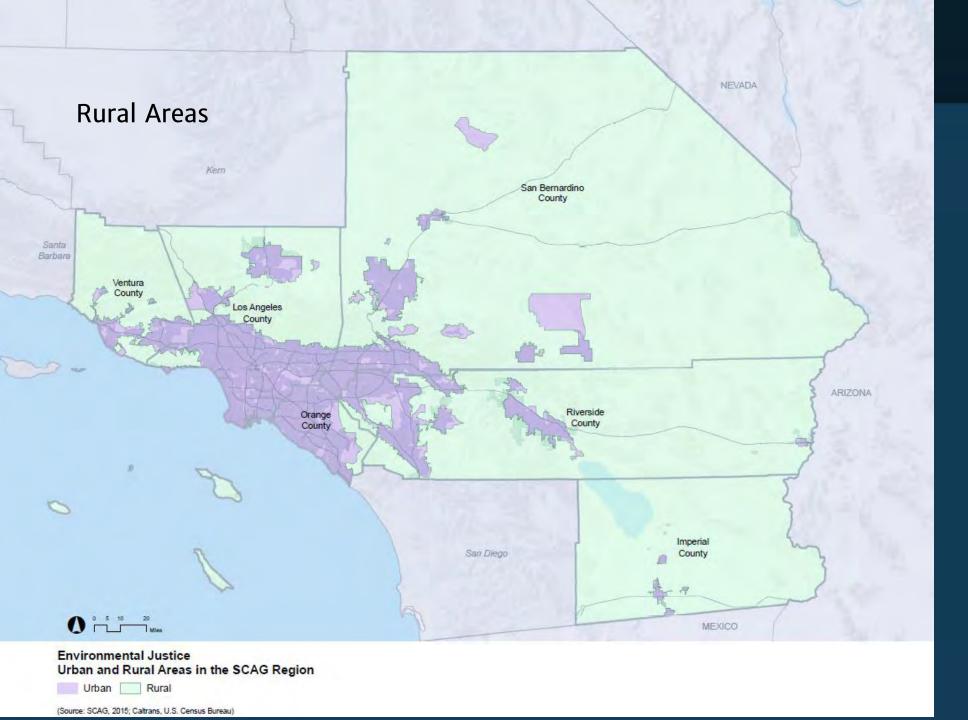
Imperial County	Los Angeles County	Los Angeles County (Con't)	Orange County	San Bernardino County
Brawley NIROMENTAL	Alondra Park	Maywood	Midway City	Adelanto
Calexico Can Community S	Arleta - Pacoima	Mission Hills - Panorama City - North Hills	Santa Ana	Baker
Calipatria	Azusa	Northeast Los Angeles	Stanton	Bloomington
Desert Shores	Bell	Paramount		Colton
El Centro	Bell Gardens	Pomona	Riverside County	Montclair
Heber	Boyle Heights	Rosemead	Coachella	Muscoy
Holtville	Central City North	South El Monte	Garnet	Rialto
Niland	Commerce	South Gate	Good Hope	San Bernardino
Seeley	Compton	South Los Angeles	Highgrove	
Westmorland	Cudahy	Southeast Los Angeles	Home Gardens	Ventura County
Winterhaven	East Los Angeles	Sun Valley - La Tuna Canyon	Indio Hills	Santa Paula
	East Rancho Dominguez	Vernon	Mead Valley	Saticoy
	El Monte	Walnut Park	Mecca	
	Florence-Graham	West Adams - Baldwin Hills - Leimert	Mesa Verde	91%
	Harbor Gateway	West Athens	North Shore	40%
	Hawaiian Gardens	West Rancho Dominguez	Oasis	
	Hawthorne	Westlake	Perris	Minority Households Population in Poverty
	Huntington Park	Westmont	Ripley	
	Inglewood	Willowbrook	Thermal	
	y of Los Angeles aw Lennox concentration (top 1/3rd) converts compared	Wilmington - Harbor City	Vista Santa Rosa	27
to all other CDPs or CPAs in the region a sources. SCAG, 2014, 2009-2013 American Community Survey	Lynwood	MEXICO Document Path: P-KimiEJI2016 linitial_EJ_Analysis imxdiplac	e_based'Communities_of_Concerr_0913.m	· 기가





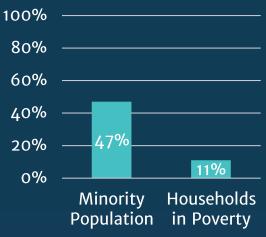
17.9 Million People 98% of Region







434,000 People 2% of Region



EJWG Appendix Reorganization Activity

November 8, 2018



Example #1 - Categories



<u>Transportation</u> <u>Related Impacts</u>

- Share of Transportation System Usage
- Distribution of Travel Time Savings & Travel Distance Reduction
- ActiveTransportationHazards
- Rail-Related Impacts

Land Use Related Impacts

- Accessibility to Employment and Services
- Jobs-Housing Imbalance or Jobs-Housing Mismatch

Economic Related Impacts

- 2016 RTP/SCS
 Revenue Sources
 in Terms of Tax
 Burdens
- 2016 RTP/SCS Investments
- Geographic
 Distribution of
 Transportation
 Investments
- Impacts from

 Funding Through
 Mileage-Based
 User Fees

Health Related Impacts

- Accessibility to Parks and Natural Lands
- Regional Emissions Impacts Analysis
- Impacts Along

 Freeways and
 Highly Traveled
 Corridors
- Aviation Noise Impacts
- Roadway Noise Impacts
- Public Health Analysis

Special Topics

- Gentrification and Displacement
- ClimateVulnerability

Example #2 - General Plan Elements



Land Use - Accessibility to Employment and Services - Rail-related Impacts	Housing - Jobs-Housing Imbalance or Jobs-Housing Mismatch - Gentrification and Displacement	Circulation - Distribution of Travel Time Savings & Travel Distance Reduction - Geographic Distribution of Transportation Investments - Rail-Related Impacts - Share of Transportation System - Regional Emissions Impacts Analysis - Impacts Along Freeways and Highly Travelled Corridors	Conservation - Climate Vulnerability
Noise - Aviation Noise - Roadway Noise	Safety - Active Transportation Hazard - Climate Vulnerablity - Public Health Analysis	Open Space - Accessibility to Parks and Open Space	 XX Accessibility to Employment and Services Revenue Sources Investments Impacts from Funding Through Mileage-Based User Fees Gentrification and Displacement

Your Input Needed



What Categories do you want?

How would you divide the levels of analyses?

How would you format the EJ Appendix?

How many categories would you suggest?

Or is there another format we haven't thought of?