

2019 Regional Plan Network Concepts

Performance Measures Results - Social Equity



In addition to the 13 metrics associated with the 8 key questions, the metrics below are used to conduct a Social Equity analysis; performance measure results for the region's total population are compared to disadvantaged communities (seniors, low-income, and minority) and non-disadvantaged communities.

Key Question	Performance Measure	Today (2016)	No Build (2035)	Concept A: Shared Mobility	Concept B: Connected Corridors	Concept C: Policy Possibilities
SE 1. Are travel times to work distributed equitably?	SE 1 Average peak-period travel time to work (minutes)					
	Low-Income	24	26	26	26	28
	drive alone	22	22	22	22	20
	carpool	21	22	22	22	21
	SE 1 transit	63	61	57	59	56
	bike	20	22	24	24	23
	walk	21	20	20	20	20
	Non- Low-Income	27	28	28	28	28
	drive alone	26	27	27	27	25
	carpool	24	24	25	25	23
	SE 1 transit	65	62	58	60	56
	bike	26	27	30	30	29
	walk	25	23	23	22	23
	Minority	27	28	28	28	28
	drive alone	25	26	26	26	24
	carpool	23	24	24	24	22
	SE 1 transit	64	62	57	60	56
	bike	23	25	28	28	27
	walk	23	22	22	22	22
	Non-Minority	26	27	27	27	27
	drive alone	25	26	26	26	24
	carpool	23	23	24	24	22
	SE 1 transit	65	62	58	60	57
	bike	23	25	27	27	26
walk	21	21	20	20	20	

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Key Question	Performance Measure	Today (2016)	No Build (2035)	Concept A: Shared Mobility	Concept B: Connected Corridors	Concept C: Policy Possibilities	
SE 2. Do the transportation investments help to improve the regional economy?	SE 2 Benefit/Cost Ratio of transportation investments	This metric is not available for the network concepts and will be calculated for the draft network scenarios in December 2018/January 2019					
SE 3. Is the relative cost of transportation distributed equitably?	Change in percent of income consumed by transportation costs						
	SE 3	Low-Income	N/A	0.9	0.9	0.8	16.7
		Non Low-Income	N/A	0.0	0.0	0.0	5.8
		Minority	N/A	-0.9	-0.9	-0.9	7.8
		Non-Minority	N/A	-0.6	-0.6	-0.6	6.9
		Senior	N/A	-1.0	-1.1	-1.1	7.7
		Non-Senior	N/A	-0.3	-0.3	-0.3	7.9
SE 4. Does the transportation network support smart growth?	Percentage of population within 0.5-mile of high frequency (<=15 minute peak) transit stops						
	SE 4a	Low-Income	40%	48%	58%	50%	58%
		Non Low-Income	27%	33%	46%	35%	46%
		Minority	36%	40%	52%	42%	52%
		Non-Minority	26%	34%	46%	36%	46%
		Senior	27%	31%	42%	32%	42%
		Non-Senior	31%	38%	50%	40%	50%
	SE 4a	Percentage of employment within 0.5-mile of high frequency (<=15 minute peak) transit stops	42%	44%	64%	47%	64%
	Percentage of population within 0.5-mile of a major transit stop per California Code section 21064.3						
	SE 4b	Low-Income	20%	26%	38%	27%	38%
		Non Low-Income	11%	16%	27%	16%	27%
		Minority	17%	20%	32%	21%	32%
		Non-Minority	11%	17%	27%	17%	27%
Senior		11%	14%	24%	15%	24%	
Non-Senior		14%	19%	31%	20%	31%	
SE 4b	Percentage of employment within 0.5-mile of a major transit stop per California Code section 21064.3	22%	25%	41%	27%	41%	

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6.16	Performance Measure	Today (2016)	No Build (2035)	Concept A: Shared Mobility	Concept B: Connected Corridors	Concept C: Policy Possibilities	
SE 5. How does the transportation network support public health?	Time engaged in transportation-related physical activity per capita (minutes)						
	SE 5a	Low-Income	10	12	13	13	15
		Non Low-Income	6	8	9	8	9
		Minority	8	10	10	10	11
		Non-Minority	7	9	9	9	10
		Senior	6	7	7	7	8
		Non-Senior	8	10	10	10	11
		Average exposure to Particulate Matter (PM2.5) per person					
	SE 5b	Low-Income	7.60	6.64	6.56	6.59	6.26
		Non Low-Income	6.93	5.83	5.78	5.80	5.53
		Minority	7.49	6.24	6.18	6.20	5.90
		Non-Minority	6.78	5.81	5.75	5.77	5.49
		Senior	6.59	5.31	5.26	5.27	5.02
		Non-Senior	7.20	6.16	6.11	6.13	5.83
SE 6. Is access to jobs and key destinations improving for all communities?	Percent of population within 30 minutes of jobs and higher education						
	SE 6a	Low-Income: Drive alone	100%	100%	100%	100%	100%
		Non Low-Income: Drive alone	100%	100%	100%	100%	100%
		Low-Income: Transit	87.3%	86.8%	88.5%	87.5%	88.5%
		Non Low-Income: Transit	78.2%	78.1%	82.4%	79.6%	82.5%
		Minority: Drive alone	100%	100%	100%	100%	100%
		Non-Minority: Drive alone	100%	100%	100%	100%	100%
		Minority: Transit	84.2%	81.8%	85.5%	83.0%	85.5%
		Non-Minority: Transit	78.1%	78.8%	82.1%	80.0%	82.2%
		Senior: Drive alone	100%	100%	100%	100%	100%
		Non-Senior: Drive alone	100%	100%	100%	100%	100%
		Senior: Transit	79.6%	77.2%	80.5%	78.4%	80.6%
Non-Senior: Transit		81.3%	81.0%	84.6%	82.3%	84.7%	

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Key Question	Performance Measure	Today (2016)	No Build (2035)	Concept A: Shared Mobility	Concept B: Connected Corridors	Concept C: Policy Possibilities	
SE 6. Is access to jobs and key destinations improving for all communities?	Percent of population within 15 minutes of retail						
	Low-Income: Drive alone	99.5%	98.6%	98.6%	99.6%	99.6%	
	Non Low-Income: Drive alone	99.7%	99.4%	99.4%	99.8%	99.8%	
	Low-Income: Transit	68.3%	69.3%	70.6%	69.7%	70.9%	
	Non Low-Income: Transit	52.7%	54.2%	56.7%	54.8%	57.2%	
	Minority: Drive alone	99.6%	99.2%	99.2%	99.7%	99.7%	
	Non-Minority: Drive alone	99.6%	99.2%	99.2%	99.7%	99.7%	
	Minority: Transit	62.0%	60.2%	62.6%	60.7%	62.9%	
	Non-Minority: Transit	53.5%	56.1%	58.0%	56.6%	58.4%	
	Senior: Drive alone	99.5%	99.6%	99.6%	99.7%	99.7%	
	Non-Senior: Drive alone	99.6%	99.1%	99.1%	99.7%	99.7%	
	Senior: Transit	54.5%	52.8%	54.6%	53.3%	55.1%	
	Non-Senior: Transit	58.3%	59.3%	61.5%	59.8%	61.9%	
	SE 6b	Percent of population within 15 minutes of health care					
		Low-Income: Drive alone	99.6%	98.8%	98.8%	99.8%	99.8%
		Non Low-Income: Drive alone	99.8%	99.5%	99.5%	99.9%	99.9%
		Low-Income: Transit	68.8%	70.5%	71.6%	70.9%	71.9%
		Non Low-Income: Transit	53.6%	55.5%	57.8%	56.1%	58.2%
		Minority: Drive alone	99.7%	99.3%	99.3%	99.8%	99.8%
		Non-Minority: Drive alone	99.7%	99.3%	99.3%	99.8%	99.8%
		Minority: Transit	63.1%	61.6%	63.7%	62.1%	64.0%
		Non-Minority: Transit	54.0%	57.2%	59.0%	57.8%	59.4%
		Senior: Drive alone	99.7%	99.8%	99.8%	99.9%	99.9%
		Non-Senior: Drive alone	99.7%	99.2%	99.2%	99.8%	99.8%
Senior: Transit		55.3%	53.9%	55.5%	54.4%	56.1%	
Non-Senior: Transit		59.1%	60.6%	62.6%	61.1%	62.9%	

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Key Question	Performance Measure	Today (2016)	No Build (2035)	Concept A: Shared Mobility	Concept B: Connected Corridors	Concept C: Policy Possibilities
SE 6. Is access to jobs and key destinations improving for all communities?	Percent of population within 15 minutes of parks					
	Low-Income: Drive alone	98.9%	97.7%	97.7%	98.7%	98.7%
	Non Low-Income: Drive alone	99.2%	98.7%	98.7%	99.0%	99.0%
	Low-Income: Transit	41.1%	44.7%	46.3%	45.2%	47.1%
	Non Low-Income: Transit	30.8%	33.1%	35.3%	33.5%	36.1%
	SE 6b Minority: Drive alone	99.2%	98.4%	98.4%	99.0%	99.0%
	Non-Minority: Drive alone	99.0%	98.3%	98.3%	98.9%	98.9%
	Minority: Transit	38.0%	38.1%	40.3%	38.6%	41.2%
	Non-Minority: Transit	30.2%	33.9%	35.7%	34.3%	36.5%
	Senior: Drive alone	98.9%	98.6%	98.6%	98.7%	98.8%
	Non-Senior: Drive alone	99.1%	98.4%	98.4%	99.0%	99.0%
	Senior: Transit	31.1%	31.5%	33.0%	31.8%	33.8%
	Non-Senior: Transit	34.6%	37.0%	39.1%	37.5%	40.0%
	Percent of population within 15 minutes of beaches					
	Low-Income: Drive alone	41.5%	33.4%	33.6%	35.0%	39.4%
	Non Low-Income: Drive alone	36.7%	30.9%	31.0%	31.7%	35.2%
	Low-Income: Transit	3.1%	2.9%	2.9%	2.9%	3.0%
	Non Low-Income: Transit	4.1%	3.7%	3.6%	3.7%	3.8%
	SE 6b Minority: Drive alone	36.5%	29.9%	30.1%	31.0%	34.8%
	Non-Minority: Drive alone	40.5%	33.9%	34.0%	35.0%	38.6%
	Minority: Transit	2.7%	2.9%	2.9%	2.9%	3.0%
	Non-Minority: Transit	5.0%	4.2%	4.2%	4.2%	4.4%
	Senior: Drive alone	36.7%	29.6%	29.7%	30.2%	33.4%
Non-Senior: Drive alone	38.5%	31.9%	32.0%	33.0%	36.8%	
Senior: Transit	3.7%	3.1%	3.2%	3.1%	3.3%	
Non-Senior: Transit	3.8%	3.5%	3.5%	3.5%	3.6%	