

OneBayArea

Equity Working Group
September 14, 2011, 11:15 a.m. – 1:00 p.m.
MetroCenter, Claremont Conference Room
101 8th Street, Oakland, 2nd Floor

AGENDA

Estimated Time
for Agenda Item

1. Welcome and Self-introductions **11:15 a.m.**
2. Equity Working Group Work Plan and Schedule* (*Jennifer Yeamans, MTC*)
3. Notes from August 10 Meeting* (*Jennifer Yeamans, MTC*)
4. Reports from Other Regional Advisory Groups:
 - Housing Methodology Committee
The Housing Methodology Committee did not meet in August. The next meeting is scheduled for September 22, 2011
 - Regional Advisory Working Group
The Regional Advisory Working Group met September 6, 2011.
Agenda: <http://apps.mtc.ca.gov/events/agendaView.akt?p=1726>
5. Status of Transport Network Development for Alternative Scenarios (*Ashley Nguyen, MTC*)

DISCUSSION ITEMS

11:30 a.m.

6. Revised Framework for Equity Analysis of Alternative Scenarios* (*Jennifer Yeamans, MTC*)
Based on input received at the August 10 meeting, staff will present a revised framework for defining target populations for equity analysis of Alternative Scenarios for group members' review.
7. Overview of Existing Conditions* (*Jennifer Yeamans, MTC/Marisa Raya, ABAG*)
Staff will present an overview of existing conditions related to equity analysis of the Alternative Scenarios for group members' information and discussion.

INFORMATION ITEMS / OTHER BUSINESS

12:55 p.m.

8. Future Agenda Items (*All*)
9. Public Comment
10. Adjournment

Next meeting:

Wednesday, October 12, 2011 11:15 a.m. – 1:00 p.m.
MetroCenter
2nd Floor Claremont Conference Room
101-8th Street, Oakland 94607

* Agenda items attached

** Attachments to be distributed at the meeting.

The Equity Working Group assists staff in the development of the Equity Analysis for the Sustainable Communities Strategy/Regional Transportation Plan.

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Plan Bay Area Equity Working Group Work Plan and Schedule

9/7/2011

Tasks	2011												2012												2013			
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
1. Vision Scenario Analysis																												
1.1 Review populations and measures to be analyzed		*																										
1.2 Review results			*																									
2. Alternative Scenarios Analysis																												
2.1 Review populations and measures to be analyzed									*																			
2.2 Review results										*																		
3. Draft Plan (Preferred Scenario) Analysis																												
2.1 Review populations and measures to be analyzed																*												
2.2 Review results																					*							
4. Complementary Tasks																												
4.1 Update Snapshot Analysis/SCS Indicators																												
4.2 Identify other essential equity tasks that can be effectively analyzed																												
4.3 Review/comment on Scenarios relative to equity analysis results														*														
4.4 Support engagement in low-income and minority communities																												
4.5 Recommend possible policies for consideration in the SCS/RTP															*													
Key Committee/Board Meetings			1										2	3								4						5
RTP/SCS + EIR		Vision																					D					F
RHNA																								D				F

* Milestone D = Draft F = Final

Meetings:

- (1) Review Vision Scenario Results
- (2) Adopt RHNA methodology
- (3) MTC/ABAG Approve Draft SCS (Preferred Scenario)
- (4) Release Draft Plan
- (5) Final RTP/SCS

All dates/workplan elements subject to change

Summary of August 10, 2011 Equity Working Group meeting

Discussion: Target Populations

Comment	Response and Possible Follow-up
Favor narrow target populations to focus on areas where we can really make a difference	Staff will present a revised definition of target communities that focus on overlaps of target populations in response to this input.
Groups can be counted twice if they fit in more than one category	
Look at the intersection of low income communities with people of color	
Seniors and disabled should be overlaid with low income and transit ridership	
The approach is too simple; we should use Gini coefficients or other approaches that allow us to look at all the data, not a share based on proportions	Staff believes that the analysis methodology should balance analytical robustness with the ability to communicate understandable results clearly to stakeholders, including members of the public.
Don't use a 2x2 cell methodology to display the results; provide a correlation matrix for all the region's census tracts	Staff can provide correlations for concentrations of different target groups
Consider transit riders and rural residents as a population	Staff can incorporate zero-vehicle households (who are more likely to be transit users) into the target population definition. Rural residents are taken into account regardless of location; analysis can reveal target populations outside PDAs.
Seniors, transit riders, and rural residents are not protected classes nor all disadvantaged. Focus on the Title VI requirements.	Staff would appreciate further discussion/input on the question of whether the analysis should be more targeted or capture more residents who are members of potential target populations (e.g., 54% of the region's residents are members of a minority group).
TOD in an area doesn't necessarily help the community that is there	This is not an issue for a regional model to represent, but should be addressed in implementation
African Americans are moving to sprawl areas and risk being cut off if investments is focused on TOD	Staff can analyze locations of target populations outside of PDAs.

Discussion: Equity Analysis Measures

Comment	Response and Possible Follow Up
Jobs-Housing imbalance is not necessarily a bad thing in major cities	Agreed that the geographic level of analysis for this measure is important – not too large, not too small.
Commute travel times is a more effective measure than jobs-housing fit; jobs-housing fit may be impossible to track or explain	Jobs-Housing fit is a test measure predicated on ABAG's housing cost forecasts; it will focus on low-income residents
Commute time is not perfect either; I don't mind a long transit trip for a good job	Analysis will focus on whether people's travel times are getting longer or shorter under different scenarios.

Add a measure of segregation to the Displacement Analysis	Staff can add a measure for income concentration but not by race/ethnicity.
Change Vehicle Emissions to Area Density of VMT in order to capture other impacts such as noise, vibration, traffic accidents	Staff will make this change to the list of performance measures.
Downside of replacing emissions with VMT is that people are more mobilized around air quality than other factors	Measure may need to be framed to clarify connection between VMT and impacts
There is no measure for safety	VMT Density would have to serve as a proxy for collision risk
September agenda should include discussion of baseline data.	Staff will work to provide this information as soon as possible after the framework is finalized.



To: Equity Working Group

From: Jennifer Yeamans, MTC

Date: September 8, 2011

Subject: Revised Framework for Equity Analysis of Alternative Scenarios

Staff has received considerable feedback from Equity Working Group members over the past several meetings regarding the framework for equity analysis of the Plan Bay Area Alternative Scenarios, with respect to both the identification of target populations and equity performance measures. This memorandum summarizes staff's approach to incorporating group members' feedback into a revised framework for the Alternative Scenarios, including specific direction provided with relative consensus at your August 10 meeting (in particular regarding performance measures), as well as in areas where your feedback has been more wide-ranging and not with clear consensus among group members (as in regards to defining target populations to analyze).

Summary

Staff has revised the equity analysis framework to make changes and additions to the performance measures recommended by group members at your last meeting, and also to change the approach to identifying target populations for analysis. As described in this memo, staff is recommending a revised definition of target communities for equity analysis where 4 or more out of 8 possible disadvantage factors overlap.

Recap of Feedback Heard

Staff's original proposal for target populations and thresholds for the equity analysis began with feedback from working group members in May that the population thresholds for minority/low-income communities of concern should remain at 70% and 30%, respectively. However, more recent feedback at your August meeting suggested that the equity analysis would be more informative with a more targeted approach to defining communities for analysis. Different members of the group had various suggestions for accomplishing a more targeted definition. Ideas included identifying new or different populations to look at, setting the target-population thresholds higher, and looking at the intersections of the target populations instead of the unions.

The main points conveyed to staff at the August 10 meeting were:

- Replace Vehicle Emissions measure with a new measure of VMT Density.
- Add Commute Travel Time measure to the "Making the Jobs/Housing Connection" theme.
- Add Poverty Concentration measure to the "Growing Equitably" theme.
- Make consideration of communities for analysis more targeted.
- Consider looking at the spatial intersections of target populations rather than their unions.
- Have further discussion of the analysis methodology in terms of how results will be analyzed and presented.



Revised Performance Measures

A revised list of performance measures based on feedback at your August 10 meeting is attached as Attachment A.

Revised Target Population Definitions: Identifying “Disadvantaged Communities”

Staff’s previous proposal included upwards of 40% of the region in the definition of the three target communities proposed (low-income/minority, Limited English Proficiency/low educational attainment, and low-mobility). In response to your input, staff has revised the proposed target population framework by shifting the approach from defining multiple target communities across a range of demographic and socioeconomic characteristics to identifying communities with multiple overlaps of target population concentrations as follows:

Target Population	% of Regional Population¹	Concentration Threshold
1. Minority	54%	70%
2. Low Income (<200% of Poverty)	23%	30%
3. Limited English Proficiency	9%	20%
4. Zero-Vehicle Households	9%	10%
5. Seniors 75 and Over	6%	10%
6. Population with a Disability	18%	25%
7. Female-Headed Families with Children	10%	15%
8. Overburdened Renters	10%	15%

¹ See Attachment B for details on these shares.

A more detailed overview of the target and non-target populations captured in tracts defined by each threshold is provided in Attachment B.

The target populations and thresholds included in this definition are generally the same as those you have reviewed in previous meetings, with the following changes:

- Limited English Proficiency population has been revised to include only persons who speak English “not well” or “not at all.”
- Population with Less Than a High School Diploma has been removed as a target population. This population was intended to capture economic vulnerability and potential barriers to participating in regional planning decision-making. This population has been replaced by the two listed below to also incorporate economic vulnerability in addition to characteristics that better match regional planning decisions under consideration in Plan Bay Area.
- Female-Headed Families with Children has been added as a target population. The population is represented by the share of all family households in a given tract that are characterized by the Census Bureau as having female householders living with children with no husband present. This population was added to incorporate women and youth into the analysis, and is informed by literature linking the welfare-to-work transition and transportation barriers faced by low-income women, and highlighting their unique employment and travel needs, preferences, and patterns.¹

¹See Blumenberg, Evelyn. (2003). En-gendering Effective Planning: Spatial Mismatch, Low-Income Women, and

- Overburdened Renters has been added as a target population to incorporate populations and communities most at-risk for displacement. This population is characterized by the share of all occupied housing units in a neighborhood that are occupied by renters paying more than 50% of their income on rent. Although households are generally considered cost-burdened if they spend more than 30% of their income on housing, because so many low-income households in the Bay Area are considered cost-burdened under this definition, staff wanted to highlight those who are the most over-burdened and hence most likely to face displacement based on neighborhood change. This same rationale in terms of highlighting the greatest sensitivity to displacement applies to the focus on renters alone rather than homeowners as well.²

Reference maps showing the locations and of the target populations listed above are provided in Attachment C. Two additional maps show the locations and degree to which all the target populations overlap throughout the region; one shows the entire region and the other shows only those areas with 4 or more factors overlapping.

Attachment D summarizes how much of the region's population and tracts are captured at different degrees of overlap, from any 1 of 8 possible factors up to 7 out of 8 (there were no tracts with all 8 out of 8 factors overlapping). Attachment E provides a correlation table for each of the 8 factors based on the distribution of target population shares in all 1,405 tracts.

Staff Recommendation

Staff is recommending that communities targeted for equity analysis be identified by those communities where 4 or more factors listed above overlap. This definition produces a target community definition that is much more focused than staff's previous proposals (19% of the region's tracts are captured in the revised definition compared to 40% in the previous proposal), while still reflecting strong emphasis on spatial concentrations of low-income and minority populations (77% of tracts included are above the 70% minority concentration threshold; 94% are above the 30% low-income threshold).

Next Steps

After finalizing the population thresholds, staff will create community of concern definitions out of the region's Travel Analysis Zones (TAZs) for analysis with MTC's travel model prior to calculating results for the selected performance measures. TAZs approximately correspond with census tracts presented in the staff analysis described in this memo, but some variations can be expected between this analysis and the final population tabulations using TAZs.

Attachments

Attachment A: Proposed Equity Measures for Alternative Scenarios

Attachment B: Target and non-Target Populations Captured by Thresholds

Transportation Policy. *Journal of the American Planning Association*, 2004, available at <http://uctc.net/research/papers/582.pdf>.

²This target population definition effectively combines two factors highlighted in ABAG's *Development without Displacement* report, Percent of Renter-Occupied Units and Percent of Renters Overburdened (pp. 24-25).

Attachment C: Maps Illustrating Target Population Thresholds and Overlaps

1. Tracts with 70% or greater Minority Population
2. Tracts with 30% or greater Low Income Population
3. Tracts with 20% or greater Limited English Proficiency Population
4. Tracts with 10% or greater Zero-Vehicle Households
5. Tracts with 10% or greater Seniors over 75 Years
6. Tracts with 25% or greater Disabled Population
7. Tracts with 15% or greater Female-Headed Households
8. Tracts with 15% or greater Renters with Housing Costs Greater Than 50% of Income

Tract Scores Based on Eight Factors

Tract Scores Based on Eight Factors (4+ Only)

Attachment D: Total Population and Geographic Shares Captured at Different Levels of Overlap

Attachment E: Correlation Table for Target Population Concentrations

Proposed Equity Measures for Alternative Scenarios

Measure/Theme	Key Questions Addressed	Target Population Breakout
Theme: Affordable Housing and Transportation Choices		
1. Housing + Transportation Affordability	<ul style="list-style-type: none"> • <i>What is the extent of any current and future-year disparity between target and non-target populations?</i> • <i>Which scenario(s) reduce the share of income spent on housing and transportation by the greatest amount for the target population?</i> • <i>Which scenario(s) provide similar or better results for the target population compared to the rest of the population?</i> 	<ul style="list-style-type: none"> • Low-income households (all) vs. all other households • Disadvantaged communities vs. all other communities
Theme: Growing Equitably		
2. Displacement Analysis 2a. Poverty Concentration	<ul style="list-style-type: none"> • <i>Which scenario(s) result in the smallest displacement of low-income households?</i> • <i>Which scenario(s) accommodate the greatest number of low-income households?</i> • <i>Which scenario(s) reduce concentration of low-income households by the greatest amount?</i> 	<ul style="list-style-type: none"> • Low-income households (all)
Theme: Making the Jobs/Housing Connection		
3. Jobs-Housing Fit Analysis (Test Measure) 3a. Commute Travel Time	<ul style="list-style-type: none"> • <i>What is the extent of any current and future-year disparity between target and non-target populations?</i> • <i>Which scenario(s) provide the best fit for low-income households and entry-level jobs?</i> • <i>Which scenario(s) provide similar or better results for the target population compared to the rest of the population?</i> 	<ul style="list-style-type: none"> • Low-income households (all) <p><u>Measure 3a only:</u></p> <ul style="list-style-type: none"> • Low-income households vs. all other households • Disadvantaged communities vs. all other communities
Theme: Healthy Communities		
4. VMT Density	<ul style="list-style-type: none"> • <i>What is the extent of any current and future-year disparity between target and non-target populations?</i> • <i>Which scenario(s) reduce VMT Density by the greatest amount for the target population?</i> • <i>Which scenario(s) provide similar or better results for the target population compared to the rest of the population?</i> 	<ul style="list-style-type: none"> • Disadvantaged communities vs. all other communities
Theme: Equitable Mobility		
5. Non-commute Travel Time	<ul style="list-style-type: none"> • <i>What is the extent of any current and future-year disparity between target and non-target populations?</i> • <i>Which scenario(s) reduce average trip time to non-work destinations by the greatest amount for the target populations?</i> • <i>Which scenario(s) provide similar or better results for the target populations compared to the rest of the population?</i> 	<ul style="list-style-type: none"> • Low-income households (all) vs. all other households • Disadvantaged communities vs. all other communities

Attachment B: Target and Non-Target Populations Captured by Thresholds

	Total Pop. Share	Tract Mean	Standard Deviation	Threshold	Captured		Not Captured		Tracts	% of Tracts	Ratio % Target Pop Captured to % Non-Target Pop Captured
					Target Population	Non-Target Population	Target Population	Non-Target Population			
Minority	54%	53%	25%	70%	47%	11%	53%	89%	416	30%	4.3
Low Income ¹ (<200% fed. poverty level)	23%	23%	16%	30%	48%	14%	52%	86%	378	27%	3.4
Limited English Proficiency ²	9%	9%	9%	20%	38%	10%	62%	90%	186	13%	3.6
Zero Vehicle Households ³	9%	9%	12%	10%	69%	23%	31%	77%	398	28%	3.0
Seniors 75+	6%	6%	4%	10%	25%	9%	75%	91%	165	12%	2.7
Persons with Disabilities ⁴	18%	18%	7%	25%	18%	10%	82%	90%	181	13%	1.9
Female Headed Families w/ Children ⁵	10%	10%	8%	15%	39%	16%	61%	84%	299	21%	2.5
Housing Units Occupied by Renters Paying >50% of Income in Rent ³	10%	10%	9%	15%	45%	18%	55%	82%	318	23%	2.5

Source: MTC staff analysis of 2005-09 American Community Survey Tables B03002, C17002, B16004, B25044, B01001, B11004, B25070, and 2000 Census SF3 Table P042.

- (1) The universe for this target group is the population for whom poverty status is determined (excludes persons living in group quarters and certain other persons).
- (2) The universe for this target group is the population 5 years and over.
- (3) The universe for this target group is occupied housing units (households).
- (4) The universe for this target group is the civilian noninstitutionalized population 5 years and over, based on 2000 Census (data not available for 2005-09)
- (5) The universe for this target group is family households.

Map 2

Tracts with 30% or greater Low-Income Population

DRAFT



Map 4

Tracts with 10% or greater Zero-Vehicle Households

DRAFT



Source: MTC, US Census
 Cartography: MTC GIS/ September 2011
Note: G:\sanfran\mtp\GIS\Arcmap_prc\0110_C04\Quality_Analysis_Contribs_2010_216661.mxd

Scale:
 1 inch = 15 miles

0 1/2 1 2 3 mi.

Map 5

Tracts with 10% or greater Seniors over 75 Years

DRAFT



Map 6

Tracts with 25% or greater Disabled Population

DRAFT



Map 7

Tracts with 15% or greater Female-Headed Households with Children

DRAFT



Source: MTC, US Census
 Cartography: MTC GIS/ September 2011
Note: G:\sanfran\mtp\GIS\Arcmap_prc\0110_CDC\Quality_Analysis_Comments_2010_FemaleHeaded.mxd

Scale:
 1 inch = 15 miles

0 1/2 1k. 2 3k.

Map 8

Tracts with 15% or greater Renters with Housing Costs greater than 50% of Income

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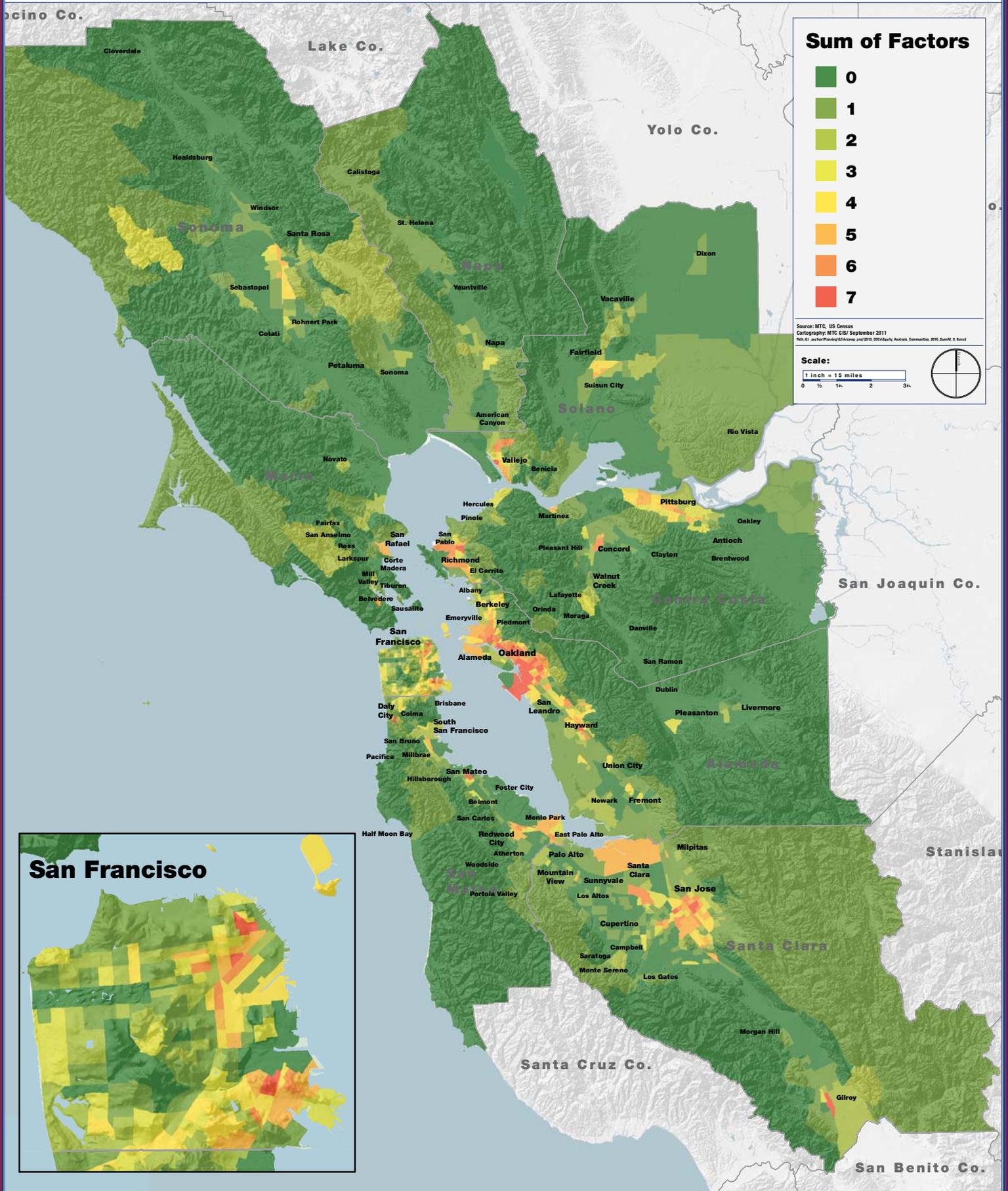


Source: MTC, US Census
 Cartography: MTC GIS/ September 2011
 Note: 0, 1, 2, 3 miles

Scale: 1 inch = 15 miles

Tract Scores based on Eight Title VI/EJ/Vulnerability Factors

DRAFT



Tracts with Four or More Title VI/EJ/Vulnerability Factors

Planning, Financing and Coordinating
Transportation for the nine-county
San Francisco Bay Area

DRAFT



Source: MTC, US Census
 Cartography: MTC GIS/ September 2011
 File: C:_mtr\Planning\GIS\Maping_prg\2010_Census\Quality_Analysis_Demographic_2010_Summary_4_8.mxd

Scale:
 1 inch = 15 miles
 0 1/2 1 2 3

Attachment D:

Total Population and Geographic Shares Captured at Different Levels of Overlap

Number of Disadvantage Factors	<u>Population</u>				<u>Tracts</u>			
	Number	Cumulative Total	Regional Share	Cumulative Total	Number	Cumulative Total	Regional Share	Cumulative Total
8	0	0	0%	0%	0	0	0%	0%
7	149,237	149,237	2%	2%	34	34	2%	2%
6	288,231	437,468	4%	6%	64	98	5%	7%
5	340,649	778,117	5%	11%	81	179	6%	13%
4	425,492	1,203,609	6%	17%	92	271	7%	19%
3	427,580	1,631,189	6%	23%	91	362	6%	26%
2	814,263	2,445,452	12%	35%	162	524	12%	37%
1	1,753,157	4,198,609	25%	60%	350	874	25%	62%
0	2,752,155	6,950,764	40%	100%	531	1,405	38%	100%

Attachment E: Correlations

	% Minority	% Low Income	% LEP	% Zero Vehicle HHS	% Population 75+	% Pop. with a Disability	% Female Headed Families w/Children	% Overburdened-Renter Households	Sum of 8 Factors
% Minority	1								
% Low Income	0.568**	1							
% LEP	0.699**	0.637**	1						
% Zero Vehicle HHS	0.213**	0.565**	0.370**	1					
% Population 75+	-0.240**	-0.097**	-0.045**	0.168**	1				
% Pop. with a Disability	0.516**	0.663**	0.528**	0.453**	0.141**	1			
% Female Headed Families w/Children	0.441**	0.620**	0.271**	0.258**	-0.170**	0.479**	1		
% Overburdened-Renter Households	0.351**	0.757**	0.382**	0.544**	-0.100**	0.444**	0.439**	1	
Sum of 8 Factors	0.629**	0.827**	0.682**	0.571**	0.026**	0.669**	0.607**	0.680**	1
Mean	0.53	0.23	0.09	0.09	0.06	0.18	0.10	0.10	1.67
Standard Deviation	0.25	0.16	0.09	0.12	0.04	0.07	0.08	0.09	1.96
N	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405
Proposed Threshold	0.70	0.30	0.20	0.10	0.10	0.25	0.15	0.15	4.00

** . Correlation is significant at the 0.01 level (1-tailed).

* . Correlation is significant at the 0.05 level (1-tailed).

OneBayArea

To: Equity Working Group
From: MTC and ABAG staff
Date: September 8, 2011
Subject: Overview of Existing Conditions

At your last meeting, working group members requested a presentation on current conditions for the equity analysis performance measures. While staff cannot provide this information for the specific measures until the scenarios and equity analysis framework are finalized, we would like to provide some information to help provide context for an initial discussion and then later review and evaluation of the equity analysis results.

At your September 14 meeting, staff will present data as available related to current/recent conditions for each of the major themes covered by the equity analysis framework. This information should be able to aid working group members' understanding and discussion of the following at this and future meetings:

- General demographic and socioeconomic trends for the region.
- The presence and extent of any existing disparities for each of the major equity analysis themes
- How the presence and extent of any existing disparities might inform subsequent interpretation of the equity analysis results for the Alternative Scenarios.

