

Environmental Justice Report 2015 Update

Appendix I Methodology for EJ Analysis - TIP Evaluation, Narration

Our analysis evaluates the distribution of TIP projects for our region. Specifically we will compare the distribution of projects to Environmental Justice areas to the region as a whole. As explained in the next section, we expect all TIP projects to have a beneficial impact for the communities they are in. Therefore, the EJ Area should see a fair share of the total projects in their area.

About Potential Project Community Impact:

Note that projects may have negative or positive impacts on their communities; some projects have both positive and negative impact. One example of a negative impact is a large capacity - increasing project such as a superhighway that passes through or close to an established neighborhood. In addition to causing residents to relocate, this project type could create air and noise pollution for the remaining community. This project type may also isolate certain neighborhoods from the rest of the community which also negatively impacts the quality of life. In fact, some of these projects may fail to provide access to the new infrastructure to the very citizens that it is disrupting the most.

Determination of SJTPO Projects' Community Impact

Our current project pool consists of projects related to safety and maintenance or rebuilding of roads or bridges. The impact on each location will be to simply improve the infrastructure that is there. None of the projects will cause any residents to relocate. Also, none of the projects are expected to cause any adverse environmental impacts such as additional noise. The only material impacts expected as a result of these projects is an improvement to existing transportation assets.

Eleven-Step Environmental Justice Analysis Methodology

The eleven steps of our process are listed here:

- Step 1 - Identify EJ Characteristics
- Step 2 - Establish the EJ Thresholds for each EJ Characteristic
- Step 3 - Establish the EJ Status for each Census Tract, for each EJ Characteristic
- Step 4 - Obtain TIP Data
- Step 5 - Identify and Eliminate the Regional Projects
- Step 6 - Eliminate Project Portions that Fall Outside of the SJTPO Region
- Step 7 - The Result is the EJ Analysis Pool of Projects and Funds
- Step 8 - EJ Analysis Pool is allocated to Appropriate SJTPO Census Tracts.
- Step 9 - Create Summary Table of Census Tracts
- Step 10 - Create Table for Benchmark-Related Data, Calculation, and Comparison
- Step 11 - Compare Benchmarks to EJ Area Performance

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The Eleven Steps Detailed Description

The following is a detailed description of the eleven step process listed above above.

Step 1 - Identify EJ Characteristics

We chose eight characteristics to reflect the level of disadvantage for the community.

This selection was based on best practices. They are as follows:

- Poverty - Families and people in poverty;
- Female head of family households with no partner or husband present;
- Vehicle - Households with no vehicle;
- Disability - Non-institutionalized population with a disability;
- Age - Elderly population (Ages 75 and over);
- Language - People aged 5 and over that have a primary language other than English and speak English less than well;
- Hispanic Population;
- Non-Hispanic Minorities.

Step 2 - Establish the EJ Thresholds for each EJ Characteristic

We establish the EJ threshold for each EJ characteristic by taking each one of these characteristics (poverty) and determining our regional average for that characteristic. This is the regional threshold for that particular EJ characteristic. The 2013 5-Year Average Estimate from the American Community Survey of the US Census was used for this process. Regional averages were calculated for each of the eight EJ characteristics; this created the thresholds for each particular EJ characteristic.

An example of a threshold calculation is:

EJ Characteristic: Elderly – Those Aged 75 Years or Older.

$(\text{Region Total Population 75 Years Old or Older}) / (\text{Region Total Population})$

Step 3 - Establish the EJ Status for each Census Tract, for each EJ Characteristic

Each threshold is then applied to each census tract. Therefore, a determination is made for each census tract for each of the eight characteristics. A table is created that summarizes the census tract-threshold comparison. This table also includes the population for each census tract.

An example of this step is as follows: Census Tract 1 has a higher rate of poverty than the SJTPO regional average (the poverty threshold); hence, we determine that Census Tract 1 is a Poverty Characteristic EJ area (EJ area as defined using the poverty threshold).

Note that the basic EJ Analysis has the following definition for the EJ Area: All census tracts that meet or exceed any of the eight EJ thresholds.

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Step 4 - Obtain TIP Data

We next use the latest TIP report's project information to establish our EJ Analysis pool of projects. The TIP report provides detailed project description and cost information. A project's census tract(s) location is determined using the TIP GIS map file.

Step 5 - Identify and Eliminate the Regional Projects

The SJTPO TIP contains projects that are regional and local in their scope. A project is determined to be regional in scope if it generates benefits to all the census tracts; and the benefits are not primarily for the local residents. The nature of the travel on these road sections or bridges is an important characteristic that is used to identify a regional project. The transportation assets are vital to the overall economy of the region; therefore they are primarily meant to benefit the entire region and not just the residents that are within close proximity. These regional projects will benefit all of the EJ and non-EJ census tracts by definition. Therefore, these regional projects are not needed and are not included in this analysis. However, in the event that a regional project negatively impacts a specific location, it would then be included in the EJ analysis project pool.

Step 6 - Eliminate Project Portions that Fall Outside of the SJTPO Region

Some projects have segments that are entirely outside the region. The costs of these outside segments are allocated to those outside census tracts. Other projects have a segment located on the SJTPO boundary. The benefits of these boundary portions are allocated to the outside census tract (50%) and to the SJTPO census tracts (50%). The SJTPO TIP report should only contain information exclusively allocated to the SJTPO region.

Step 7 - The Result is the EJ Analysis Pool of Projects and Funds

A table of the remaining TIP projects and cost is constructed for the census tract allocation. The total cost in this EJ Analysis Pool (Pool) will be the total TIP costs less the cost for both the regional projects and the out-of-region project portions. These costs are to be allocated to the SJTPO census tracts for the SJTPO EJ analysis.

Step 8 - EJ Analysis Pool is allocated to Appropriate SJTPO Census Tracts.

An allocation table is created that allocates all EJ Pool funds into the appropriate census tract. The table contains a column for each project, and a row for each census tract. In each column, that project's cost is allocated to one or more rows. The row(s) are related to the census tract(s) that is receiving the allocation. The following paragraph explains how the allocation is accomplished for each project type (bridge, intersections, and roads).

The project pool includes bridge and intersection projects. These are represented as point data on the TIP map. The cost of each bridge or intersection is allocated to its respective census tract. In some cases, an asset is serving multiple tracts and is allocated accordingly.

Other projects are road-related. The road costs are allocated as follows: The project's linear map representation is segmented at each census tract border. Project segments that fall

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entirely inside a census tract are allocated entirely to that tract. The allocation calculation is $((\text{segment length in feet}) / (\text{project length in feet})) \times (\text{project cost})$. Some road projects are along a census tract border. This project segments are allocated to the two census tracts that intersect the project. The project's line segment's value is allocated to the two census tracts. Each tract is allocated 50% of that line segment's related cost. Again, a project segment cost allocation is based on the project's segment length compared to the entire project length.

Step 9 - Create Summary Table of Census Tracts

A table is constructed that summarizes the census tract-level information that is vital to this analysis. The table contents were created in Steps 3 and 8, and it contains for each census tract:

- EJ status-qualified or not qualified (using thresholds), (From Step 3);
- Allocated project(s)' cost. (From Step 8);
- Census tract population (From Step 3).

Step 10 – Create Table for Benchmark-Related Data, Calculation, and Comparison

A main benchmark will be used to evaluate the EJ TIP allocation performance. This will be related to the funding spent per capita, (region vs. EJ).

Other benchmarks to be used are the EJ % of total population, and EJ % of total number of census tracts. These ratios will be compared to the EJ % of project cost. Of course the EJ % of total population is another way of looking at the main benchmark.

Step 11 - Compare Benchmarks to EJ Area Performance

Benchmark 1 - Regional Funding per Population
 $(\text{Total Regional Funding}) / (\text{Total Regional Population})$

Compare this to Benchmark 1:
EJ Funding per EJ population
 $(\text{Total EJ Funding}) / (\text{Total EJ Population})$

Benchmark 2 - EJ Population Percentage
 $(\text{EJ Population}) / (\text{Regional Population})$

Compare this to Benchmark 2:
EJ Funding Percentage
 $(\text{Total EJ Funding}) / (\text{Total Regional EJ Pool Cost})$

Benchmark 3 - EJ Census Tract Percentage
 $(\text{EJ Census Tracts}) / (\text{Regional Census Tracts})$

Compare this to Benchmark 3:
EJ Funding Percentage
 $(\text{Total EJ Funding}) / (\text{Total Regional EJ Pool Cost})$

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP03	DP03	DP02	DP02	DP02	DP02	DP04	DP04	DP05	DP05
GEO.id2	HC03_VC161	HC03_VC161	HC03_VC106	HC03_VC106	HC03_VC173	HC03_VC173			Calculated	
Id2	Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	EJ Test Poverty	Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Noninstitutionalized Population - With a disability	EJ Test Disability	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Speak English less than "very well"	EJ Test Language	No Vehicles Available	EJ Test No Vehicles	(Calculated) [(VC19 + VC20) / (VC03)] Age 75 and over %	EJ Test Age 75 & Over
34001000100	25.0	EJ	9.6		16.7	EJ	29.8%	EJ	5.2	
34001000200	13.0	EJ	15.9	EJ	30.6	EJ	18.8%	EJ	12.6	EJ
34001000300	30.6	EJ	6.8		49.9	EJ	44.0%	EJ	3.3	
34001000400	20.9	EJ	12.6		21.6	EJ	42.5%	EJ	5.6	
34001000500	31.7	EJ	6.9		42.5	EJ	32.9%	EJ	3.7	
34001001100	14.4	EJ	22.2	EJ	4.4		63.5%	EJ	6.8	
34001001200	28.0	EJ	14.5	EJ	9.5	EJ	35.2%	EJ	8.4	EJ
34001001300	23.6	EJ	11.9		6.3		29.0%	EJ	4.8	
34001001400	54.6	EJ	14	EJ	14.9	EJ	47.3%	EJ	3.9	
34001001500	59.9	EJ	18.4	EJ	15.9	EJ	71.0%	EJ	10.5	EJ
34001001900	11.1		14	EJ	19.6	EJ	48.9%	EJ	3.8	
34001002300	38.5	EJ	9.5		62.9	EJ	44.1%	EJ	1.3	
34001002400	55.9	EJ	17	EJ	23	EJ	66.8%	EJ	6.0	
34001002500	27.8	EJ	21.4	EJ	8.5		49.1%	EJ	12.6	EJ
34001010101	3.1		8.8		0.3		3.9%		8.0	EJ
34001010102	3.1		15.1	EJ	2		12.6%	EJ	12.8	EJ
34001010104	3.1		14	EJ	3.7		12.7%	EJ	8.7	EJ
34001010105	17.8	EJ	5.9		12.5	EJ	5.5%		6.7	
34001010200	2.4		11.9		4.9		3.0%		6.8	
34001010300	6.5		12.8		16.1	EJ	12.2%	EJ	5.6	
34001010401	5.9		7.5		2.7		4.6%		7.9	EJ
34001010403	11.8	EJ	10		15	EJ	10.0%		7.2	EJ
34001010501	4.5		11.5		5.4		4.0%		9.5	EJ
34001010503	8.7		10		8.8		9.5%		1.9	
34001010505	1.1		10.5		5.4		3.4%		5.3	
34001010506	2.1		11.8		10.1	EJ	2.7%		4.1	

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(Note: The column headings on these pages are directly from the US Census table downloads)

	DP05	DP05	DP05	DP05	B09008	B09008		Allocation Wks	Allocation Wks	B01003
GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34001000100	30.5%	EJ	35.1%	EJ	27.9%	EJ	6	34001000100	\$ 449,188	2,478
34001000200	15.8%		42.8%	EJ	34.0%	EJ	7	34001000200	\$ -	3,133
34001000300	39.0%	EJ	39.3%	EJ	35.8%	EJ	6	34001000300	\$ -	3,938
34001000400	22.3%	EJ	41.2%	EJ	36.8%	EJ	6	34001000400	\$ -	2,786
34001000500	37.4%	EJ	39.2%	EJ	26.5%	EJ	6	34001000500	\$ -	3,115
34001001100	1.9%		93.1%	EJ	55.4%	EJ	5	34001001100	\$ -	1,846
34001001200	23.0%	EJ	68.7%	EJ	51.2%	EJ	8	34001001200	\$ -	3,022
34001001300	9.5%		86.0%	EJ	53.7%	EJ	4	34001001300	\$ 148,929	2,001
34001001400	30.3%	EJ	62.2%	EJ	75.1%	EJ	7	34001001400	\$ 551,648	4,178
34001001500	13.3%		74.9%	EJ	35.3%	EJ	7	34001001500	\$ 196,203	1,559
34001001900	37.5%	EJ	49.2%	EJ	41.4%	EJ	6	34001001900	\$ -	1,629
34001002300	36.4%	EJ	45.0%	EJ	16.1%		5	34001002300	\$ -	2,733
34001002400	24.2%	EJ	51.4%	EJ	88.0%	EJ	7	34001002400	\$ -	3,069
34001002500	10.9%		69.7%	EJ	36.5%	EJ	6	34001002500	\$ 16,529,150	4,104
34001010101	1.7%		0.7%		27.8%	EJ	2	34001010101	\$ -	3,195
34001010102	4.3%		6.2%		18.5%		3	34001010102	\$ -	1,823
34001010104	8.5%		4.1%		5.9%		3	34001010104	\$ 890,103	1,777
34001010105	17.1%		27.8%	EJ	31.8%	EJ	4	34001010105	\$ 1,896,968	2,685
34001010200	9.1%		5.2%		15.2%		0	34001010200	\$ 344,869	5,805
34001010300	12.3%		43.6%	EJ	17.0%		3	34001010300	\$ -	2,589
34001010401	3.8%		11.3%		5.5%		1	34001010401	\$ 5,588,102	5,488
34001010403	15.5%		37.8%	EJ	10.2%		4	34001010403	\$ 3,660,533	6,716
34001010501	13.5%		8.9%		35.8%	EJ	2	34001010501	\$ 4,190,665	7,284
34001010503	22.5%	EJ	39.1%	EJ	47.2%	EJ	3	34001010503	\$ -	7,504
34001010505	15.7%		1.7%		20.6%		0	34001010505	\$ 309,335	2,743
34001010506	7.6%		27.7%	EJ	12.3%		2	34001010506	\$ 1,699,709	4,962

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Appendix II Census Tracts EJ Threshold Tests

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	DP03	DP03	DP02	DP02	DP02	DP02	DP04	DP04	DP05	DP05
GEO.id2	HC03_VC161	HC03_VC161	HC03_VC106	HC03_VC106	HC03_VC173	HC03_VC173			Calculated	
Id2	Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	EJ Test Poverty	Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Noninstitutionalized Population - With a disability	EJ Test Disability	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Speak English less than "very well"	EJ Test Language	No Vehicles Available	EJ Test No Vehicles	(Calculated) [(VC19 + VC20) / (VC03)] Age 75 and over %	EJ Test Age 75 & Over
34001010600	14.5	EJ	17.9	EJ	13.4	EJ	8.9%		4.1	
34001010700	9.0		16.6	EJ	7.3		6.5%		5.8	
34001010800	0.8		15.1	EJ	8.9		14.5%	EJ	12.4	EJ
34001010900	5.6		17.6	EJ	8.4		7.0%		6.7	
34001011000	4.2		14.7	EJ	5.4		5.5%		7.5	EJ
34001011100	7.1		13.8	EJ	18.1	EJ	11.0%		6.6	
34001011201	5.9		18.6	EJ	1.2		1.3%		5.4	
34001011202	11.4	EJ	17	EJ	6.9		5.4%		9.2	EJ
34001011300	7.6		21.9	EJ	12.2	EJ	7.8%		5.9	
34001011401	4.6		11.6		5.2		3.6%		6.4	
34001011403	4.3		10.8		13.4	EJ	7.0%		3.0	
34001011404	15.1	EJ	12.4		9.5		8.6%		5.1	
34001011500	8.9		10.3		4.4		5.4%		3.9	
34001011600	5.0		14.6	EJ	2.9		5.0%		8.9	EJ
34001011701	9.4		9.3		11.7	EJ	5.3%		3.3	
34001011702	20.0	EJ	15.5	EJ	14.7	EJ	8.8%		8.5	EJ
34001011802	2.6		9.3		8		3.1%		4.3	
34001011803	9.8		6.3		6.2		5.9%		5.4	
34001011804	6.5		7		5.1		3.7%		4.1	
34001011805	2.1		12		0.2		6.2%		5.0	
34001011900	30.3	EJ	17.9	EJ	18.7	EJ	27.5%	EJ	2.6	
34001012000	15.0	EJ	17.1	EJ	21.2	EJ	18.9%	EJ	7.5	EJ
34001012100	24.6	EJ	9.2		31.1	EJ	20.0%	EJ	7.0	
34001012200	14.9	EJ	12		22.9	EJ	15.4%	EJ	5.8	
34001012302	6.9		8		9.8	EJ	3.1%		8.9	EJ
34001012401	6.9		8.4		8.8		6.6%		9.9	EJ

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GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34001010600	31.0%	EJ	19.7%		23.8%		4	34001010600	\$ 1,865,985	4,232
34001010700	20.0%	EJ	6.1%		3.1%		2	34001010700	\$ 5,809,803	6,164
34001010800	13.2%		5.1%		21.3%		3	34001010800	\$ 3,544,000	3,034
34001010900	14.3%		10.5%		10.4%		1	34001010900	\$ 3,544,000	6,067
34001011000	17.7%	EJ	3.8%		9.2%		3	34001011000	\$ -	2,565
34001011100	32.4%	EJ	2.2%		12.2%		3	34001011100	\$ -	3,115
34001011201	5.7%		10.5%		13.1%		1	34001011201	\$ 26,701,000	1,813
34001011202	10.6%		16.5%		32.5%	EJ	4	34001011202	\$ 2,825,433	7,576
34001011300	36.3%	EJ	8.2%		18.3%		3	34001011300	\$ -	4,620
34001011401	9.1%		3.9%		15.2%		0	34001011401	\$ 234,385	4,263
34001011403	28.3%	EJ	33.9%	EJ	35.6%	EJ	4	34001011403	\$ 73,245	5,470
34001011404	17.7%	EJ	29.5%	EJ	28.5%	EJ	4	34001011404	\$ 892,127	10,553
34001011500	9.1%		31.0%	EJ	25.5%		1	34001011500	\$ 2,929,810	6,282
34001011600	5.0%		3.2%		9.9%		2	34001011600	\$ 6,691,000	4,994
34001011701	19.9%	EJ	34.5%	EJ	20.2%		3	34001011701	\$ -	9,208
34001011702	17.0%		47.2%	EJ	30.1%	EJ	6	34001011702	\$ -	3,593
34001011802	14.4%		17.7%		7.6%		0	34001011802	\$ 1,700,000	15,980
34001011803	31.3%	EJ	16.1%		49.2%	EJ	2	34001011803	\$ -	4,864
34001011804	2.6%		13.9%		16.1%		0	34001011804	\$ -	6,519
34001011805	0.9%		6.7%		0.8%		0	34001011805	\$ -	2,327
34001011900	31.6%	EJ	51.7%	EJ	52.7%	EJ	7	34001011900	\$ -	8,024
34001012000	39.2%	EJ	38.3%	EJ	31.0%	EJ	8	34001012000	\$ -	4,721
34001012100	44.4%	EJ	29.7%	EJ	28.4%	EJ	6	34001012100	\$ -	3,109
34001012200	41.1%	EJ	44.7%	EJ	36.6%	EJ	6	34001012200	\$ 10,500,000	5,193
34001012302	12.1%		10.7%		21.3%		2	34001012302	\$ 797,500	3,473
34001012401	10.9%		9.7%		22.6%		1	34001012401	\$ -	2,848

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Appendix II Census Tracts EJ Threshold Tests

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34001012402	8.4		13		5.2		5.3%		7.9	EJ
34001012501	0.0		10.8		8.4		12.2%	EJ	13.9	EJ
34001012502	5.1		8.4		2.6		3.3%		7.4	EJ
34001012602	0.5		8.3		3.1		0.0%		4.9	
34001012701	7.3		17	EJ	9.5		7.3%		7.2	EJ
34001012702	13.8	EJ	13.3		5		12.9%	EJ	5.8	
34001012801	19.1	EJ	14.7	EJ	5.8		21.3%	EJ	6.6	
34001012802	4.5		8.9		9		4.4%		4.2	
34001013000	14.6	EJ	9.9		1.1		8.3%		11.5	EJ
34001013101	0.0		11.5		1.2		3.4%		22.3	EJ
34001013102	7.0		19.6	EJ	4.4		7.1%		23.8	EJ
34001013201	18.2	EJ	15.6	EJ	31.2	EJ	9.7%		14.0	EJ
34001013202	14.4	EJ	9.2		16.6	EJ	7.7%		7.4	EJ
34001013301	2.9		15.2	EJ	10.4	EJ	8.8%		11.2	EJ
34001013302	5.4		15.2	EJ	6.7		21.9%	EJ	9.6	EJ
34001013500	2.2		14.5	EJ	1.3		5.6%		12.4	EJ
34001983400	0.0		2.6		0.7		0.0%		0.6	
34001990000	0.0		0		0		0.0%		0.0	
34009020101	7.1		14.3	EJ	3.9		19.4%	EJ	12.7	EJ
34009020102	4.0		10.7		11.8	EJ	13.3%	EJ	9.2	EJ
34009020201	0.0		6.2		0		3.1%		12.6	EJ
34009020203	3.0		13.3		0		10.1%		27.6	EJ
34009020205	11.6	EJ	7.9		2.2		11.4%		20.3	EJ
34009020206	0.6		6.4		3.6		3.4%		9.3	EJ
34009020301	0.7		9.3		0.7		1.0%		6.3	
34009020302	3.3		10.7		2.6		3.7%		11.0	EJ

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP05	DP05	DP05	DP05	B09008	B09008		Allocation Wks	Allocation Wks	B01003
GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34001012402	8.4%		2.8%		19.0%		1	34001012402	\$ 797,500	2,287
34001012501	12.6%		8.8%		13.5%		2	34001012501	\$ -	2,843
34001012502	0.6%		7.8%		11.4%		1	34001012502	\$ -	1,492
34001012602	2.3%		3.3%		17.2%		0	34001012602	\$ -	1,369
34001012701	13.7%		15.6%		39.0%	EJ	3	34001012701	\$ -	3,414
34001012702	11.1%		14.6%		55.3%	EJ	3	34001012702	\$ -	1,634
34001012801	11.4%		23.6%	EJ	45.1%	EJ	5	34001012801	\$ -	3,930
34001012802	16.7%		3.7%		12.8%		0	34001012802	\$ -	1,829
34001013000	0.9%		0.6%		16.6%		2	34001013000	\$ -	3,703
34001013101	1.2%		0.6%		3.8%		1	34001013101	\$ -	1,410
34001013102	2.7%		7.2%		100.0%	EJ	3	34001013102	\$ -	1,272
34001013201	21.2%	EJ	28.6%	EJ	11.1%		6	34001013201	\$ 282,813	2,936
34001013202	12.8%		17.9%		29.4%	EJ	4	34001013202	\$ 141,998	2,374
34001013301	15.9%		3.2%		26.4%	EJ	4	34001013301	\$ -	2,810
34001013302	10.5%		13.1%		49.4%	EJ	4	34001013302	\$ -	2,561
34001013500	4.7%		2.6%		9.6%		2	34001013500	\$ -	2,696
34001983400	5.4%		18.6%		100.0%	EJ	1	34001983400	\$ -	3,631
34001990000	0.0%		0.0%		0.0%		0	34001990000		0
34009020101	4.8%		11.6%		54.4%	EJ	4	34009020101	\$ -	3,339
34009020102	15.1%		5.7%		28.9%	EJ	4	34009020102	\$ -	2,402
34009020201	0.0%		0.0%		17.7%		1	34009020201	\$ -	1,328
34009020203	0.0%		2.2%		0.0%		1	34009020203	\$ -	2,260
34009020205	0.0%		0.5%		29.6%	EJ	3	34009020205	\$ -	1,273
34009020206	10.1%		9.1%		8.6%		1	34009020206	\$ -	1,038
34009020301	2.9%		3.0%		6.6%		0	34009020301	\$ -	4,128
34009020302	1.7%		1.9%		14.4%		1	34009020302	\$ 2,376,639	4,718

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP03	DP03	DP02	DP02	DP02	DP02	DP04	DP04	DP05	DP05
GEO.id2	HC03_VC161	HC03_VC161	HC03_VC106	HC03_VC106	HC03_VC173	HC03_VC173			Calculated	
Id2	Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	EJ Test Poverty	Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Noninstitutionalized Population - With a disability	EJ Test Disability	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Speak English less than "very well"	EJ Test Language	No Vehicles Available	EJ Test No Vehicles	(Calculated) [(VC19 + VC20) / (VC03)] Age 75 and over %	EJ Test Age 75 & Over
34009020400	8.3		10.6		0.7		0.9%		3.4	
34009020500	27.4	EJ	24.8	EJ	5.6		19.7%	EJ	2.7	
34009020600	0.0		12		0.5		0.7%		5.6	
34009020700	5.1		8.5		0.6		4.2%		7.2	EJ
34009020800	3.8		16.2	EJ	0.8		6.6%		20.5	EJ
34009020901	6.9		14.8	EJ	1.1		11.8%	EJ	25.6	EJ
34009020902	3.5		10.3		2.5		7.8%		21.9	EJ
34009021001	4.4		7.6		6.8		2.1%		7.3	EJ
34009021002	2.4		7.2		2.4		0.5%		6.1	
34009021100	6.0		16.7	EJ	3.7		13.0%	EJ	13.9	EJ
34009021300	13.5	EJ	9.5		3.5		12.9%	EJ	8.8	EJ
34009021400	22.1	EJ	12.3		26.6	EJ	29.2%	EJ	6.0	
34009021500	8.5		20.2	EJ	11.4	EJ	22.8%	EJ	7.3	EJ
34009021600	6.6		16.2	EJ	5		10.9%		12.5	EJ
34009021701	2.3		18.2	EJ	3.3		18.0%	EJ	14.6	EJ
34009021702	4.8		17.3	EJ	1.8		6.5%		9.4	EJ
34009021803	17.0	EJ	15	EJ	3.8		4.8%		8.3	EJ
34009021804	5.0		17.1	EJ	1.4		8.4%		6.3	
34009021805	5.2		12.6		9.5	EJ	5.8%		10.8	EJ
34009021806	3.9		19.2	EJ	1.8		13.8%	EJ	7.9	EJ
34009021900	5.3		14.9	EJ	1.4		5.3%		14.1	EJ
34009022000	8.2		14.4	EJ	1.7		12.6%	EJ	18.3	EJ
34009022101	24.8	EJ	8.9		3.4		15.9%	EJ	5.6	
34009022102	3.2		15.4	EJ	10.5	EJ	4.1%		10.4	EJ
34009990100	0.0		0		0		0.0%		0.0	
34011010101	7.3		12.9		2.2		2.3%		5.7	

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP05	DP05	DP05	DP05	B09008	B09008		Allocation Wks	Allocation Wks	B01003
GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34009020400	3.2%		3.9%		7.8%		0	34009020400	\$ -	3,431
34009020500	25.7%	EJ	32.5%	EJ	36.3%	EJ	6	34009020500	\$ -	2,486
34009020600	2.7%		3.6%		11.1%		0	34009020600	\$ 5,600,000	2,126
34009020700	0.9%		1.2%		8.3%		1	34009020700	\$ 2,328,361	4,292
34009020800	0.9%		2.2%		8.3%		2	34009020800	\$ -	1,861
34009020901	0.0%		1.5%		11.8%		3	34009020901	\$ -	736
34009020902	1.7%		0.8%		0.5%		1	34009020902	\$ -	1,924
34009021001	8.2%		13.5%		7.1%		1	34009021001	\$ 152,729	2,646
34009021002	2.9%		7.3%		12.2%		0	34009021002	\$ -	3,629
34009021100	4.2%		10.8%		25.3%		3	34009021100	\$ 1,446,520	5,090
34009021300	0.2%		1.0%		50.0%	EJ	4	34009021300	\$ -	4,013
34009021400	32.4%	EJ	3.1%		23.5%		4	34009021400	\$ 1,542,841	3,730
34009021500	12.3%		21.1%	EJ	5.2%		5	34009021500	\$ 2,068,612	2,174
34009021600	5.6%		4.5%		16.6%		2	34009021600	\$ -	3,254
34009021701	4.6%		3.2%		20.7%		3	34009021701	\$ 433,956	2,583
34009021702	2.4%		7.3%		8.0%		2	34009021702	\$ 1,096,030	2,584
34009021803	6.1%		1.4%		20.9%		3	34009021803	\$ -	3,811
34009021804	8.1%		6.7%		18.3%		1	34009021804	\$ -	5,655
34009021805	9.2%		3.8%		16.2%		2	34009021805	\$ -	4,564
34009021806	3.0%		3.3%		10.1%		3	34009021806	\$ -	2,574
34009021900	1.1%		8.6%		13.5%		2	34009021900	\$ -	1,951
34009022000	7.6%		8.9%		28.6%	EJ	4	34009022000	\$ -	3,585
34009022101	15.6%		1.9%		35.6%	EJ	3	34009022101	\$ -	2,052
34009022102	6.6%		22.9%	EJ	14.3%		4	34009022102	\$ 1,491,311	5,447
34009990100	0.0%		0.0%		0.0%		0	34009990100	\$ -	0
34011010101	6.5%		6.8%		0.0%		0	34011010101	\$ 184,173	4,150

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP03	DP03	DP02	DP02	DP02	DP02	DP04	DP04	DP05	DP05
GEO.id2	HC03_VC161	HC03_VC161	HC03_VC106	HC03_VC106	HC03_VC173	HC03_VC173			Calculated	
Id2	Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	EJ Test Poverty	Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Noninstitutionalized Population - With a disability	EJ Test Disability	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Speak English less than "very well"	EJ Test Language	No Vehicles Available	EJ Test No Vehicles	(Calculated) [(VC19 + VC20) / (VC03)] Age 75 and over %	EJ Test Age 75 & Over
34011010103	0.0		0		9.9	EJ	0.0%		0.0	
34011010200	20.4	EJ	19.5	EJ	1.9		5.3%		3.7	
34011010301	5.8		13.3		6.3		5.9%		5.2	
34011010302	10.3		22.1	EJ	0.6		3.2%		7.7	EJ
34011010401	9.5		15.5	EJ	7.2		7.1%		5.2	
34011010402	0.0		0		0		0.0%		0.0	
34011010500	4.9		12.6		1.7		4.6%		5.3	
34011010600	3.8		14.3	EJ	2.1		2.7%		11.4	EJ
34011010700	3.3		14.2	EJ	4.4		4.4%		8.2	EJ
34011010800	3.9		13.6		7.1		2.1%		7.7	EJ
34011020100	52.7	EJ	22.5	EJ	39.4	EJ	59.5%	EJ	3.1	
34011020200	30.9	EJ	13.4		40	EJ	12.8%	EJ	2.6	
34011020300	46.9	EJ	8.7		54.8	EJ	24.0%	EJ	1.5	
34011020400	17.7	EJ	16	EJ	14.4	EJ	5.5%		8.1	EJ
34011020502	0.0		0		7.1		0.0%		0.0	
34011020503	41.6	EJ	16.7	EJ	13	EJ	28.9%	EJ	2.3	
34011020600	20.2	EJ	12.5		12.1	EJ	10.7%		5.9	
34011030100	30.9	EJ	22.2	EJ	6.9		36.3%	EJ	10.6	EJ
34011030200	23.2	EJ	17.2	EJ	4.2		20.7%	EJ	4.9	
34011030300	19.9	EJ	18.3	EJ	5.6		10.5%		3.2	
34011030400	5.2		15.8	EJ	2.8		9.8%		8.8	EJ
34011030501	2.1		17.9	EJ	3.1		3.8%		6.0	
34011030502	25.7	EJ	19.3	EJ	10.5	EJ	10.4%		4.6	
34011040300	5.8		11.4		17.4	EJ	13.9%	EJ	5.8	
34011040400	3.6		14.5	EJ	10.2	EJ	12.2%	EJ	10.6	EJ
34011040500	15.5	EJ	18.2	EJ	27.6	EJ	14.7%	EJ	6.9	

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP05	DP05	DP05	DP05	B09008	B09008		Allocation Wks	Allocation Wks	B01003
GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34011010103	20.5%	EJ	60.6%	EJ	0.0%		3	34011010103	\$ -	3,855
34011010200	13.2%		18.7%		37.0%	EJ	3	34011010200	\$ -	5,178
34011010301	10.2%		13.6%		24.5%		0	34011010301	\$ 465,419	3,292
34011010302	4.8%		1.9%		18.4%		2	34011010302	\$ -	1,382
34011010401	13.2%		55.1%	EJ	26.3%	EJ	3	34011010401	\$ 2,519,341	6,472
34011010402	0.0%		0.0%		0.0%		0	34011010402	\$ -	0
34011010500	5.2%		9.1%		18.1%		0	34011010500	\$ 1,307,564	2,347
34011010600	4.6%		15.5%		19.2%		2	34011010600	\$ 2,493,098	5,153
34011010700	6.7%		18.2%		23.8%		2	34011010700	\$ -	7,660
34011010800	17.5%	EJ	15.5%		17.3%		2	34011010800	\$ -	3,127
34011020100	75.3%	EJ	18.2%		30.9%	EJ	6	34011020100	\$ 150,898	741
34011020200	59.0%	EJ	29.8%	EJ	18.6%		5	34011020200	\$ 307,701	3,186
34011020300	77.4%	EJ	17.5%		19.8%		4	34011020300	\$ -	7,283
34011020400	34.4%	EJ	18.6%		25.5%		5	34011020400	\$ 4,719,973	3,031
34011020502	20.8%	EJ	60.6%	EJ	0.0%		2	34011020502	\$ -	2,332
34011020503	26.2%	EJ	63.4%	EJ	65.9%	EJ	7	34011020503	\$ 5,238,275	4,727
34011020600	31.4%	EJ	37.4%	EJ	38.7%	EJ	5	34011020600	\$ 373,965	3,971
34011030100	15.1%		43.5%	EJ	59.0%	EJ	6	34011030100	\$ 218,474	897
34011030200	25.9%	EJ	32.2%	EJ	24.6%		5	34011030200	\$ 692,163	5,791
34011030300	15.4%		35.1%	EJ	42.1%	EJ	4	34011030300	\$ 986,835	3,789
34011030400	9.3%		18.3%		37.1%	EJ	3	34011030400	\$ 6,341,753	7,621
34011030501	10.8%		10.0%		20.5%		1	34011030501	\$ 2,779,193	6,153
34011030502	28.6%	EJ	22.5%	EJ	37.8%	EJ	6	34011030502	\$ 2,462,082	4,347
34011040300	41.7%	EJ	18.8%		22.3%		3	34011040300	\$ -	3,815
34011040400	37.7%	EJ	18.7%		24.3%		5	34011040400	\$ -	5,773
34011040500	56.5%	EJ	21.4%	EJ	31.6%	EJ	7	34011040500	\$ 1,064,500	6,497

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(Note: The column headings on these pages are directly from the US Census table downloads)

	DP03	DP03	DP02	DP02	DP02	DP02	DP04	DP04	DP05	DP05
GEO.id2	HC03_VC161	HC03_VC161	HC03_VC106	HC03_VC106	HC03_VC173	HC03_VC173			Calculated	
Id2	Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	EJ Test Poverty	Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Noninstitutionalized Population - With a disability	EJ Test Disability	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Speak English less than "very well"	EJ Test Language	No Vehicles Available	EJ Test No Vehicles	(Calculated) [(VC19 + VC20) / (VC03)] Age 75 and over %	EJ Test Age 75 & Over
34011040600	32.4	EJ	20.5	EJ	13.6	EJ	15.4%	EJ	10.1	EJ
34011040700	6.1		18.3	EJ	9.7	EJ	12.4%	EJ	9.1	EJ
34011040800	4.5		13.1		5		1.1%		5.8	
34011040901	10.3		18.8	EJ	6.5		1.6%		5.0	
34011040902	8.0		18.2	EJ	7.3		8.5%		5.7	
34011041000	9.9		18.5	EJ	5.8		8.7%		5.2	
34011041100	29.5	EJ	15.1	EJ	35.9	EJ	12.1%	EJ	1.5	
34011990000	0.0		0		0		0.0%		0.0	
34033020100	5.5		12.1		3		2.9%		6.8	
34033020200	7.5		18.1	EJ	16.7	EJ	7.4%		8.6	EJ
34033020300	27.4	EJ	18.8	EJ	8.1		29.7%	EJ	4.6	
34033020400	27.4	EJ	11.1		13.6	EJ	19.4%	EJ	8.0	EJ
34033020500	4.7		12.1		0		10.5%		9.6	EJ
34033020600	2.6		16.9	EJ	5.5		3.6%		11.6	EJ
34033020700	3.2		10.9		0.6		8.4%		12.1	EJ
34033020800	3.6		9		1.4		7.0%		8.5	EJ
34033020900	2.9		11.6		2.4		4.6%		8.2	EJ
34033021000	8.1		13.4		0.4		5.7%		8.6	EJ
34033021101	5.6		10.8		2		2.0%		3.7	
34033021102	3.4		14.6	EJ	2.2		4.6%		7.8	EJ
34033021201	4.1		6.5		0.8		1.5%		4.1	
34033021202	6.5		14.1	EJ	0.4		4.7%		8.5	EJ
34033021300	5.0		12		5.2		2.7%		11.4	EJ
34033021400	4.1		14.2	EJ	4.3		10.0%		6.4	
34033021500	12.0	EJ	14	EJ	1.5		6.3%		6.4	
34033021600	10.5		15	EJ	0.3		5.0%		3.3	

Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP05	DP05	DP05	DP05	B09008	B09008		Allocation Wks	Allocation Wks	B01003
GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34011040600	40.5%	EJ	17.7%		66.9%	EJ	7	34011040600	\$ -	7,028
34011040700	24.4%	EJ	14.1%		11.4%		5	34011040700	\$ -	8,269
34011040800	11.7%		14.6%		9.0%		0	34011040800	\$ -	5,230
34011040901	30.8%	EJ	22.6%	EJ	30.1%	EJ	4	34011040901	\$ 738,000	2,590
34011040902	23.5%	EJ	16.8%		25.8%		2	34011040902	\$ 363,000	6,250
34011041000	12.2%		8.3%		13.9%		1	34011041000	\$ 2,919,096	7,784
34011041100	77.8%	EJ	17.0%		25.8%		5	34011041100	\$ 2,762,500	7,621
34011990000	0.0%		0.0%		0.0%		0	34011990000	\$ -	0
34033020100	3.6%		9.8%		10.3%		0	34033020100	\$ 3,006,563	1,940
34033020200	32.5%	EJ	40.0%	EJ	39.1%	EJ	6	34033020200	\$ 326,294	2,092
34033020300	19.4%	EJ	47.5%	EJ	42.8%	EJ	6	34033020300	\$ 580,026	3,008
34033020400	19.2%	EJ	24.5%	EJ	39.4%	EJ	7	34033020400	\$ 894,977	2,858
34033020500	3.2%		21.3%	EJ	3.6%		2	34033020500	\$ 3,014,491	2,611
34033020600	12.6%		12.9%		14.9%		2	34033020600	\$ 17,176,926	2,551
34033020700	3.0%		5.2%		10.0%		1	34033020700	\$ 12,176,955	4,031
34033020800	4.5%		22.3%	EJ	29.3%	EJ	3	34033020800	\$ 4,922,902	3,507
34033020900	12.1%		5.0%		27.1%	EJ	2	34033020900	\$ 8,633,573	3,500
34033021000	3.1%		8.5%		22.3%		1	34033021000	\$ 58,824	1,322
34033021101	4.0%		4.9%		12.8%		0	34033021101	\$ -	4,698
34033021102	4.7%		17.3%		14.0%		2	34033021102	\$ -	4,647
34033021201	1.5%		3.6%		2.1%		0	34033021201	\$ 2,420,000	3,388
34033021202	3.0%		14.9%		19.6%		2	34033021202	\$ -	2,655
34033021300	9.7%		21.7%	EJ	0.6%		2	34033021300	\$ 1,592,746	1,831
34033021400	3.5%		8.4%		8.4%		1	34033021400	\$ 1,345,329	3,374
34033021500	3.1%		3.7%		23.8%		2	34033021500	\$ 141,394	1,937
34033021600	3.9%		3.1%		27.7%	EJ	2	34033021600	\$ 1,833,333	5,853

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP03	DP03	DP02	DP02	DP02	DP02	DP04	DP04	DP05	DP05
GEO.id2	HC03_VC161	HC03_VC161	HC03_VC106	HC03_VC106	HC03_VC173	HC03_VC173			Calculated	
Id2	Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All families	EJ Test Poverty	Percent; DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION - Total Civilian Noninstitutionalized Population - With a disability	EJ Test Disability	Percent; LANGUAGE SPOKEN AT HOME - Population 5 years and over - Language other than English - Speak English less than "very well"	EJ Test Language	No Vehicles Available	EJ Test No Vehicles	(Calculated) [(VC19 + VC20) / (VC03)] Age 75 and over %	EJ Test Age 75 & Over
34033021700	15.8	EJ	18.4	EJ	2.9		11.5%		8.7	EJ
34033021900	26.2	EJ	16.9	EJ	1.4		20.5%	EJ	6.3	
34033022000	60.1	EJ	26.4	EJ	2.2		38.2%	EJ	2.9	
34033022100	28.9	EJ	23.6	EJ	4.1		18.2%	EJ	12.2	EJ
34033022201	7.3		14.5	EJ	0.4		3.8%		8.9	EJ
34033022202	2.8		12.1		2.2		1.1%		11.6	EJ
34033990000	0.0		0		0		0.0%		0.0	
Threshold	11.1%		13.6%		9.5%		11.6%		7.1%	
EJ CT / Tot CT	33.7%		49.1%		30.7%		33.7%		48.5%	

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Appendix II Census Tracts EJ Threshold Tests

(Note: The column headings on these pages are directly from the US Census table downloads)

	DP05	DP05	DP05	DP05	B09008	B09008		Allocation Wks	Allocation Wks	B01003
GEO.id2	Calculated		Calculated		Calculated				Calculated	HD01_VD01
Id2	[(HC01_VC88) / (HC01_VC43)] Calculate the percentage for each tract Hispanic Population	EJ Test Hispanic	Percent of Total Population [(VC93 - VC94) / (VC87)] Calculate Not Hispanic or Latino and Not White Alone	EJ Test Not Hispanic or Latino and Not White Alone	(Calculated) (VD11 / VD01) Percent; No unmarried partner of householder present: In family households: In female householder, no husband present, family	EJ Test Female HH No partner No husband with family	Count of EJ Characteristics	Note that these figures from the CT worksheet are values and not formulas	Projects_Amt - EJ Analysis Pool is adjusted for Regional Projects and for Out-of-Region Projects	Population
34033021700	6.2%		3.2%		28.2%	EJ	4	34033021700	\$ 1,833,333	2,146
34033021900	2.8%		42.0%	EJ	38.2%	EJ	5	34033021900	\$ 1,833,333	1,885
34033022000	14.2%		72.3%	EJ	66.2%	EJ	5	34033022000	\$ -	1,974
34033022100	5.8%		45.1%	EJ	51.2%	EJ	6	34033022100	\$ -	1,252
34033022201	0.5%		9.0%		19.4%		2	34033022201	\$ -	1,719
34033022202	1.1%		5.7%		2.6%		1	34033022202	\$ -	1,046
34033990000	0.0%		0.0%		0.0%		0	34033990000	\$ -	0
									\$ 225,202,000	594,811
Threshold	17.2%		20.4%		26.0%					
EJ CT / Tot CT	29.0%		33.1%		38.7%					
					This is the EJ Project Pool				\$ 225,202,000	
					Reconcile back to TIP:					
					Add back in Regional Projects				\$ 60,500,000	
					Add back in the out of region projects					
								\$ 285,702,000		

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Appendix III TIP Projects Table

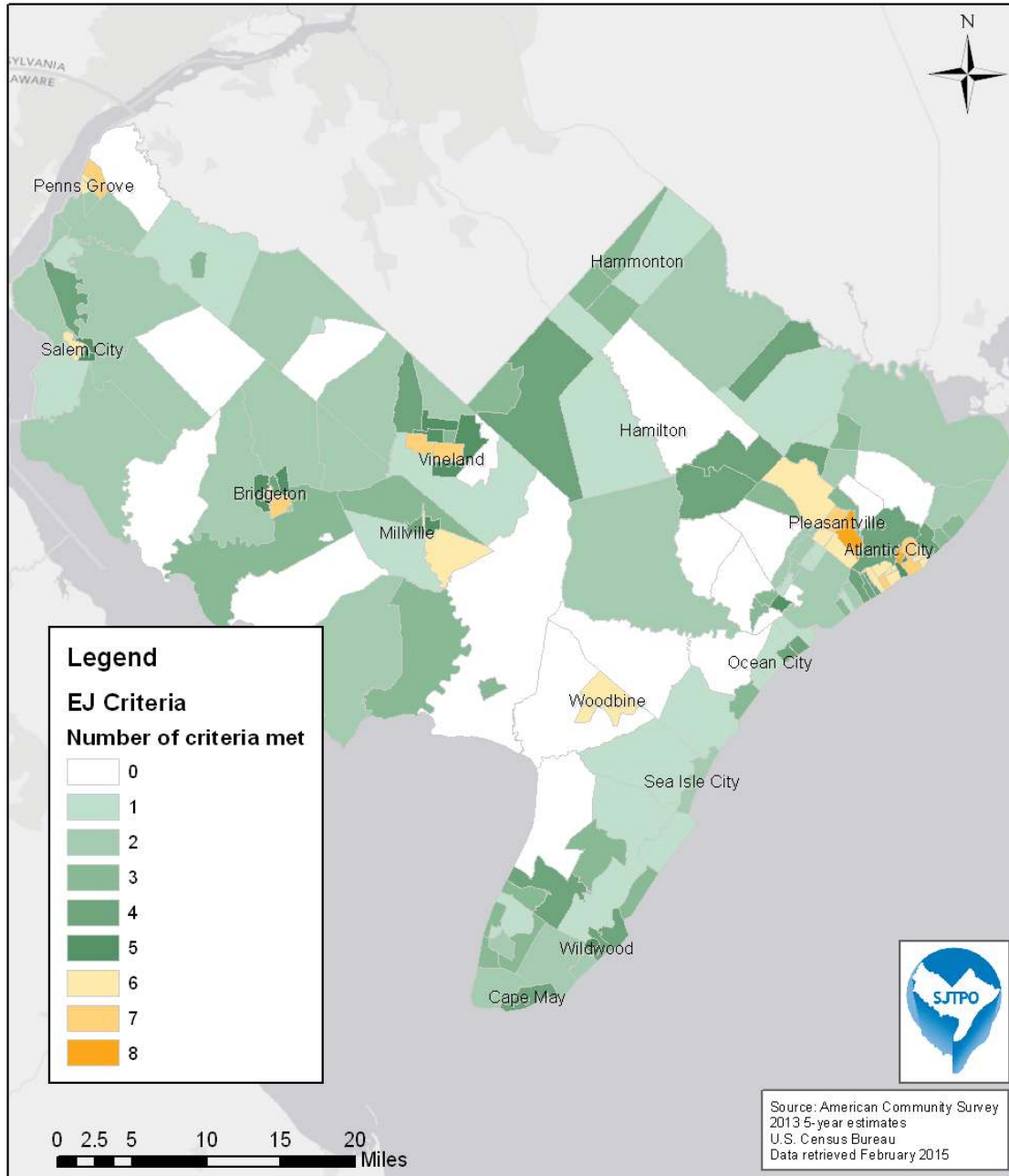
County	DBNUM	Sponsor	Roads Project Description	Phase	Fund	Fiscal Year(s)	Amount \$Millions		Amount
Atlantic	11332	NJDOT	Route 50, Gibson Creek Road to Danenhauer Lane, Pavement	CON	STP	2014	4.991		\$ 4,991,000
Atlantic	11337	NJDOT	Route 30, Elmwood Road/Weymouth Road (CR 623) to Haddon Avenue	DES/CON	NHPP	2015/2018	1.700/17.269		\$ 18,969,000
Atlantic	11422	NJDOT	Route 9, Meadowview Avenue to Garden State Parkway, Pavement	CON	NHPP	2014	4.5		\$ 4,500,000
Atlantic	13330	NJDOT	Route 40, Corso Lane to Babcock Road	CON	State	2015	5.155		\$ 5,155,000
Atlantic	10103A	NJDOT	Route 9, Northfield Sidewalk Replacement	CON	CMAQ	2015	1.595		\$ 1,595,000
Atlantic	S0913	Atlantic County	Brigantine Blvd., Section IA, Repaving (CR 638)	DES/CON	TTF	2014/2015	0.066/1.320	DE14/	\$ 1,386,000
Atlantic	S0914	Atlantic County	Brigantine Blvd., Section IB, Repaving (CR 638)	DES/CON	TTF	2015/2016	0.050/1.500		\$ 1,550,000
Atlantic	S0916	Atlantic County	Landis Avenue (CR 540). Tuckahoe Road to Cumberland County Line, Repaving	CON	TTF	2014	1.8		\$ 1,800,000
Atlantic	S1109	Atlantic City	Maryland Avenue, Route 87 to Pacific Avnue, Resurfacing	CON	TTF	2014	1.077	CO14	\$ 1,077,000
Atlantic	S1401	Atlantic County	Wellington/West End Av (629), Dorset to Albany Av	DES/CON	TTF	2014/2015	0.074/0.800	DE14/	\$ 874,000
Atlantic	S1408	Atlantic City	Atlantic Avenue, Connecticut Avenue to Maine Avenue	DES/CON	TTF	2016/2017	0.050/1.110		\$ 1,160,000
Atlantic	S1409	Atlantic County	Mill Road (CR 662), CR 559A (Ocean Heights Ave) to CR 684 (Spruce Ave)	CON	TTF	2017	1.7		\$ 1,700,000
Atlantic	S1410	Atlantic County	Eleventh Avenue (CR 669), Municipal Border to Route 50 (Broad Street)	CON	TTF	2018	1.7		\$ 1,700,000
Atlantic	S1412	Atlantic County	Blue Anchor Road (Route 73), Route 322 to Route 54 (Twelfth Street)	CON	TTF	2019	1.5		\$ 1,500,000
Atlantic	S1413	Atlantic County	Mays Landing Road (Route 73), Route 54 (Twelfth Street) to Sherry Lane	DES/CON	TTF	2015/2016	0.050/1.000		\$ 1,050,000
Cape May	244	NJDOT	Route 52 Causeway Replacement, Contract A	CON	Bridge/NHPP	2014/15/16/17	14.9/14.9/14.9/8.9		\$ 53,600,000
Cape May	11425	NJDOT	Route 9, Route 109 to Parkway Drive, Pavement	CON	STP	2014	4.5		\$ 4,500,000
Cape May	S0902	Cape May County	Corsons Tavern Road, Resurfacing (CR628)	CON	STP-SJ	2017	1.723		\$ 1,723,000
Cape May	S1004	Cape May County	Corsons Tavern Rd, Woodbine-Ocean View Rd to New Bridge Rd Resurface CR 628	CON	STP-SJ	2018	1.682		\$ 1,682,000
Cape May	S1110	Cape May County	New Jersey Avenue (CR 621), Young Avenue to 26th Avenue	CON	STP-SJ	2014	2.02	CO14	\$ 2,020,000
Cape May	S1411	Cape May County	Commonwealth Ave (CR 619), Polk Ave (paper street) to Corsons Inlet Bridge	CON	STP-SJ	2015	1.3		\$ 1,300,000
Cape May	S1414	Cape May County	Rio Grande Avenue (Route 47), Park Boulevard to George Redding Bridge	CON	STP-SJ	2016	1.712		\$ 1,712,000
Cumberland	11343	NJDOT	Route 55, NB Leaming Mill Rd to New York Avenue	CON	NHPP	2015	4		\$ 4,000,000
Cumberland	11423	NJDOT	Route 49, Sarah Run Drive to Garrison Lane. Pavement	CON	STP	2018	14.4		\$ 14,400,000
Cumberland	13333	NJDOT	Route 47, Weymouth Road (CR 690) to Howard Street (SJTPO Portion)	CON	State	2015	0.726		\$ 726,000
Cumberland	1343A	NJDOT	Route 55, SB Schooner Landing Road to Sherman Avenue	DES/CON	NHPP	2015/2016	0.800/4.160		\$ 4,960,000
Cumberland	S0803	Vineland City	Landis Avenue, Myrtle Street to Boulevards, Resurfacing	CON	STP-SJ	2014	1.084	CO14	\$ 1,084,000
Cumberland	S1122	Vineland City	Landis Avenue, Mill & Overlay, West Avenue to Coney Avenue, Phase III	DES/CON	STP-SJ	2015/2016	0.100/0.670		\$ 770,000
Cumberland	S1123	Vineland City	Landis Avenue, Mill & Overlay, Boulevards to West Avenue, Phase II	CON	STP-SJ	2015	0.989		\$ 989,000
Cumberland	S1124	Vineland City	Landis Avenue, Mill & Overlay, Moyer Street to Orchard Road, Phase IV	CON	STP-SJ	2017	0.609		\$ 609,000
Cumberland	S1303	Cumberland County	Cumberland County FY 2014 Federal Road Program	CON	TTF	2014	1.95	CO14	\$ 1,950,000
Cumberland	S1407	Vineland City	Route 56 (Landis Avenue), Phase V, Mill & Overlay	DES/CON	STP-SJ	2017/2018	0.050/0.700		\$ 750,000
Salem	4308	NJDOT	Route 40, Woodstown Intersection Improvements	PE/DES/CON	NHPP	2014/2015/2017	0.250/0.400/1.380		\$ 2,030,000
Salem	11414	NJDOT	Route 130, Plant Street to High Hill Road (CR 662) (SJTPO Portion)	DES/CON	NHPP	2015/2016	0.500/6.460		\$ 6,960,000
Salem	11421	NJDOT	Route 40, Bailey Street (CR 616) to Route 77	PE/DES/CON	NHPP	2015/2016/2017	.000/1.000/17.150		\$ 19,150,000
Salem	13331	NJDOT	Route 45, CR 653 to CR 616	CON	State	2015	2.505		\$ 2,505,000
Salem	S0610	Salem County	Commissioners Pike (CR 581), Woodstown-Daretown Road to Route 40, Phase IV	CON	TTF	2014	1	CO14	\$ 1,000,000
Salem	S1042	Salem County	Elmer-Shirley Road (CR 611), Route 77 to Mill Road, Resurfacing	CON	TTF	2014	1	CO14	\$ 1,000,000
Salem	S1113	Salem County	Woodstown Road (CR 603), Commissioners Pike to Brickyard Road, Resurfacing	DES/CON	TTF	2014/2015	0.100/1.220	DE14	\$ 1,320,000
Salem	S1114	Salem County	Woodstown-Daretown Rd (CR 615), Daretown Road to South Main St, Resurfacing	DES/CON	TTF	2015/2016	0.100/1.600		\$ 1,700,000
Salem	S1115	Salem County	Cohansey-Friesburg Rd (CR 635), Cumb Co Line to Watsons Mill Rd Resurfacing	DES/CON	TTF	2014/2015	0.100/1.000	DE14	\$ 1,100,000
Salem	S1406	Salem County	Hook Road (CR 551), East Pittsfield Street to Route 295 Northbound	DES/CON	TTF	2017/2018	0.050/1.500		\$ 1,550,000
									\$ 184,097,000

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Appendix IV Maps – Additional

Environmental Justice Criteria:

Map 11: EJ Census Tracts by the Total Number of EJ Thresholds Met



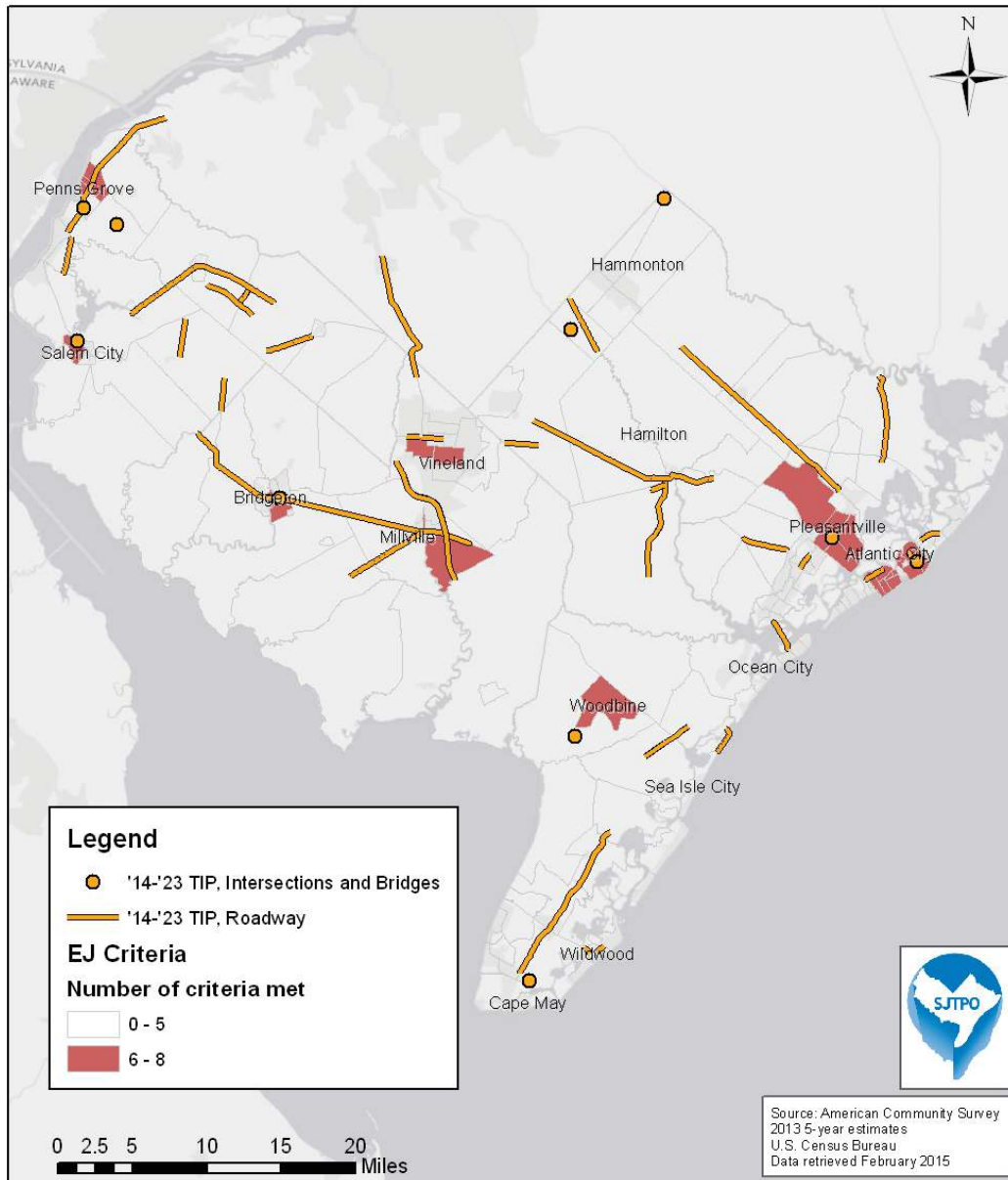
Some Census Tracts clear the threshold hurdles for multiple EJ Characteristics.

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Appendix IV Maps – Additional

Environmental Justice Criteria:

Map 12: EJ Census Tracts by Alternative EJ Definition: At Least 6 EJ Characteristics



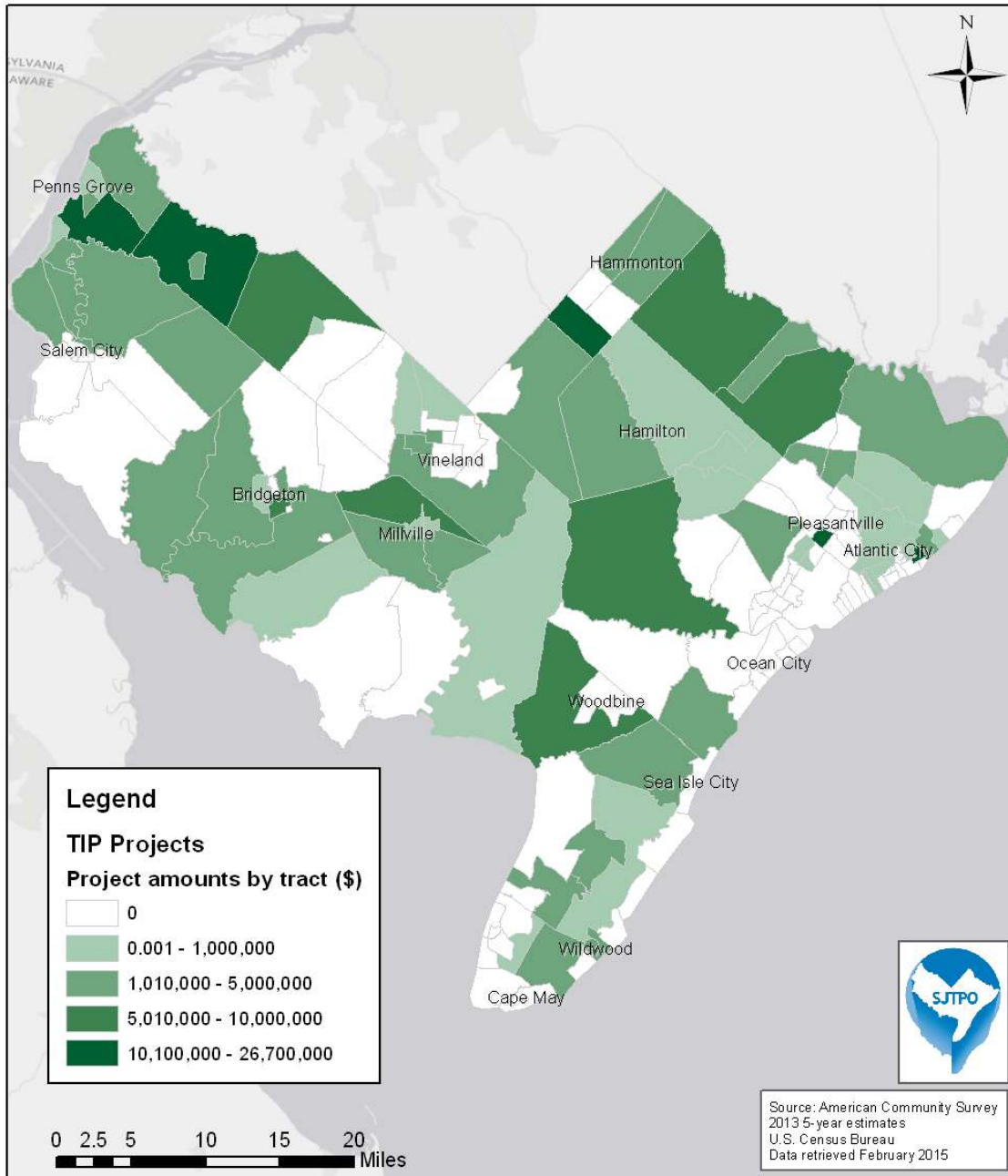
A more focused EJ definition was created that required a census tract to clear any six of the total eight EJ thresholds. This compares to just one EJ threshold in the Basic Analysis Method. This resulted in \$39,444,528 being allocated to the EJ (6+) area; this alternative EJ (6+) area had a population of 96,520. This produces an EJ funding per capita of \$409. This amount compares favorably to Benchmark 1 (\$379).

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Appendix IV Maps – Additional

Environmental Justice Criteria:

Map 13: EJ Census Tracts by TIP Funding Allocated

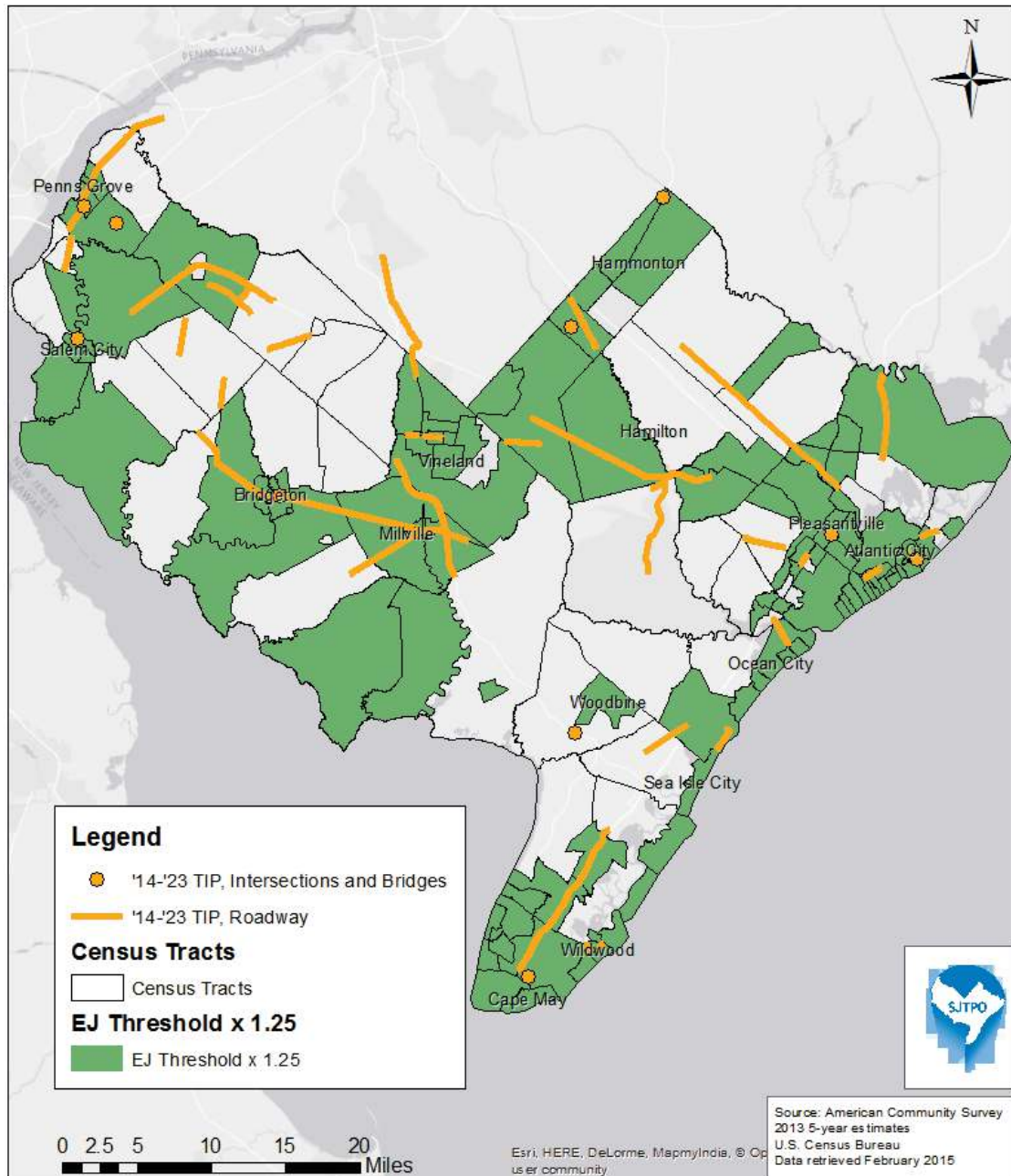


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Appendix IV Maps – Additional

Environmental Justice Criteria:

Map 14: EJ Census Tracts that qualify as EJ, in any characteristic, at 1.25 x threshold



Another alternative method also produced a more focused EJ area and population. In this method, the census tracts needed to meet just one of the eight EJ thresholds; however the eight thresholds were multiplied by a factor of 1.25. This method produced an EJ expenditure of \$385 per capita. This also compared favorably to Benchmark 1 (\$379).