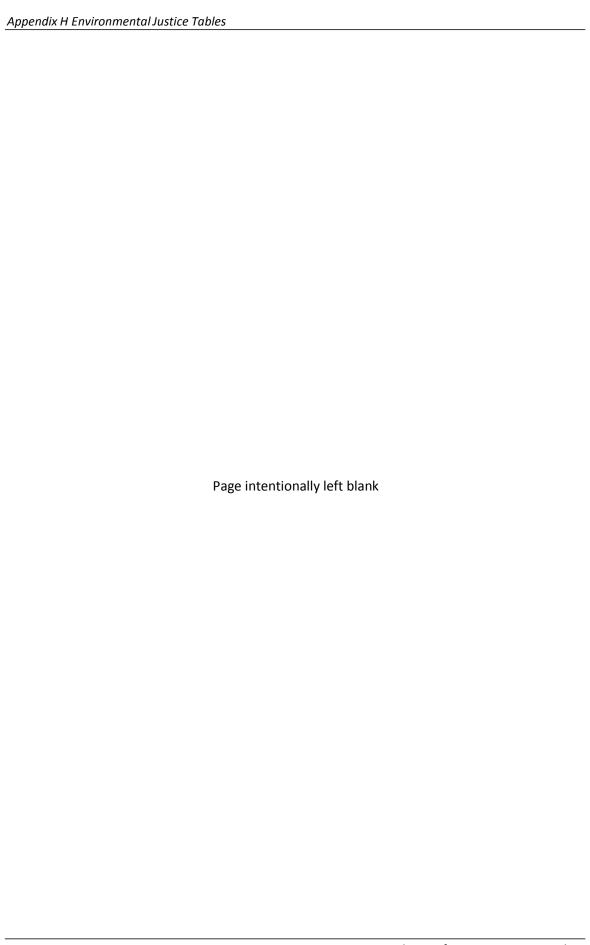


# **Environmental Justice Tables for BPA I-5 Corridor Reinforcement Project**

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## Introduction

Minority and low-income populations evaluated in these tables represent all block groups and census tracts crossed by a proposed150-foot-wide transmission line right-of-way, substation disturbance areas, and access roads (improved and new) for action alternatives. Populations were mapped based on the following U.S. Census Bureau sources:

- U.S Census 2010a. Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database
- U.S. Census 2010b. Summary File 1. Detailed Table P4. Race and Hispanic or Latino Origin
- U.S. Census 2013a. Poverty Thresholds for 2013 (in 2013 Dollars)
- U.S. Census 2013b. Table S1701. Poverty Level in the Past 12 Months, ACS 5-Year Estimates
- U.S. Census 2013c. Table B19013. Median Household Income in the Past 12 Months (in 2013 Inflation-Adjusted Dollars), ACS 5-Year Estimates

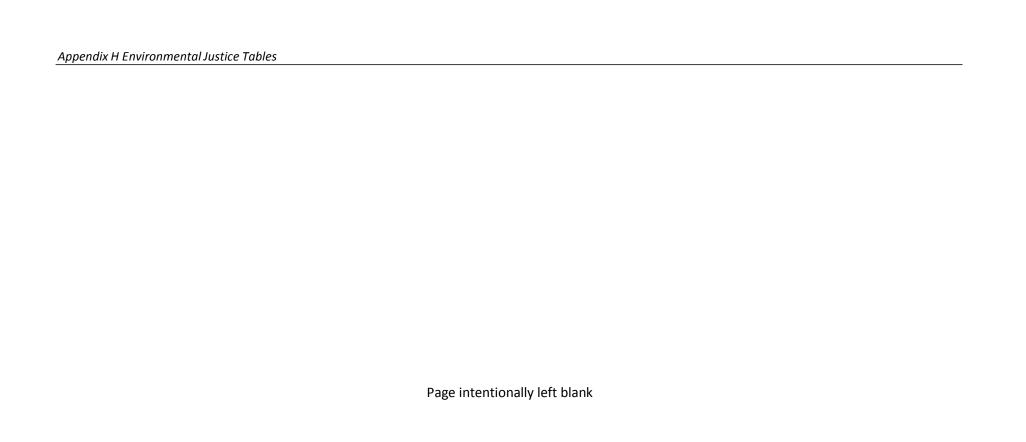


Table H-1. Poverty Thresholds for 2013 by Size of Family and Number of Related Children under 18 Years of Age (2013 Dollars)

Weighted	Related Children under 18 Years of Age								
Average Threshold	None	One	Two	Three	Four	Five	Six	Seven	Eight or more
\$11,888									
\$12,119	\$12,119								
\$11,173	\$11,173								
645.442									
\$15,142								_	
645.670	645 600	646.057							
\$15,679	\$15,600	\$16,057						_	
\$14,095	\$14,081	\$15,996							
\$18,552	\$18,222	\$18,751	\$18,769						
\$23,834	\$24,028	\$24,421	\$23,624	\$23,707					
\$28,265	\$28,977	\$29,398	\$28,498	\$27,801	\$27,376				
\$31,925		\$33,461	\$32,771	\$32,110		\$30,545			
\$36,384		\$38,588	\$37,763	\$37,187	\$36,115		\$33,493		
\$40,484	\$42,890	\$43,269	\$42,490	\$41,807	\$40,839	\$39,610	\$38,331	\$38,006	
\$48,065		\$51,844	\$51,154	\$50,575	\$49,625	\$48,317		\$46,842	\$45,037
	\$11,888 \$12,119 \$11,173 \$15,142 \$15,679 \$14,095 \$18,552 \$23,834 \$28,265 \$31,925 \$36,384 \$40,484	Average Threshold         None           \$11,888         \$12,119           \$11,173         \$11,173           \$15,142         \$15,679           \$14,095         \$14,081           \$18,552         \$18,222           \$23,834         \$24,028           \$28,265         \$28,977           \$31,925         \$33,329           \$36,384         \$38,349           \$40,484         \$42,890	Average Threshold         None         One           \$11,888         \$12,119         \$12,119           \$11,173         \$11,173         \$11,173           \$15,679         \$15,600         \$16,057           \$14,095         \$14,081         \$15,996           \$18,552         \$18,222         \$18,751           \$23,834         \$24,028         \$24,421           \$28,265         \$28,977         \$29,398           \$31,925         \$33,329         \$33,461           \$36,384         \$38,349         \$38,588           \$40,484         \$42,890         \$43,269	Weighted Average Threshold         None         One         Two           \$11,888         \$12,119         \$12,119         \$11,173         \$11,173         \$11,173         \$15,679         \$15,600         \$16,057         \$14,095         \$14,081         \$15,996         \$18,552         \$18,222         \$18,751         \$18,769         \$23,834         \$24,028         \$24,421         \$23,624         \$28,265         \$28,977         \$29,398         \$28,498         \$31,925         \$33,329         \$33,461         \$32,771         \$36,384         \$38,349         \$38,588         \$37,763         \$40,484         \$42,890         \$43,269         \$42,490	Weighted Average Threshold         None         One         Two         Three           \$11,888         \$12,119         \$12,119         \$11,173         \$11,173         \$11,173         \$15,679         \$15,600         \$16,057         \$14,095         \$14,081         \$15,996         \$18,552         \$18,222         \$18,751         \$18,769         \$23,834         \$24,028         \$24,421         \$23,624         \$23,707         \$28,265         \$28,977         \$29,398         \$28,498         \$27,801         \$31,925         \$33,329         \$33,461         \$32,771         \$32,110         \$36,384         \$38,349         \$38,588         \$37,763         \$37,187         \$40,484         \$42,890         \$43,269         \$42,490         \$41,807	Weighted Average Threshold         None         One         Two         Three         Four           \$11,888         \$12,119         \$12,119         \$11,173         \$11,173         \$11,173         \$11,173         \$11,173         \$15,642         \$15,679         \$15,600         \$16,057         \$14,095         \$14,081         \$15,996         \$18,552         \$18,222         \$18,751         \$18,769         \$23,834         \$24,028         \$24,421         \$23,624         \$23,707         \$28,265         \$28,977         \$29,398         \$28,498         \$27,801         \$27,376         \$31,925         \$33,329         \$33,461         \$32,771         \$32,110         \$31,128         \$36,384         \$38,349         \$38,588         \$37,763         \$37,187         \$36,115         \$40,484         \$42,890         \$43,269         \$42,490         \$41,807         \$40,839	Weighted Average Threshold         None         One         Two         Three         Four         Five           \$11,888         \$12,119         \$12,119         \$11,173         \$11,173         \$11,173         \$11,173         \$15,642         \$15,679         \$15,600         \$16,057         \$14,095         \$14,081         \$15,996         \$18,552         \$18,222         \$18,751         \$18,769         \$23,834         \$24,028         \$24,421         \$23,624         \$23,707         \$28,265         \$28,977         \$29,398         \$28,498         \$27,376         \$31,925         \$33,329         \$33,461         \$32,771         \$32,110         \$31,128         \$30,545         \$36,384         \$38,349         \$38,588         \$37,763         \$37,187         \$36,115         \$34,865         \$40,484         \$42,890         \$43,269         \$42,490         \$41,807         \$40,839         \$39,610	None	None

Source:

U.S. Census Bureau. 2013a. Poverty Thresholds for 2013. Accessed April 27, 2015 at <a href="http://www.census.gov/hhes/www/poverty/about/overview/measure.html">http://www.census.gov/hhes/www/poverty/about/overview/measure.html</a>.



**Table H-2. Populations Crossed by All Action Alternatives** 

Coographia Area	Alternatives and Options					
Geographic Area	ROW/Substation	Improved Roads	New Roads			
Washington	-	-	-			
Cowlitz County	-	-	-			
Census Tract 9, Block Group 1	Central Option 2 , Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative			
Census Tract 9, Block Group 2	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative			
Census Tract 9, Block Group 4	Central Option 2	Central Option 2, Crossover Alternative, West Alternative	Central Option 2			
Census Tract 12, Block Group 1	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative			
Census Tract 12, Block Group 2	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative			
Census Tract 12, Block Group 3	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative			
Census Tract 13, Block Group 1	Central Option 2, Crossover Alternative, East Option 1, West Alternative	Central Option 2, Crossover Alternative, East Option 1, West Alternative	Central Option 2, Crossover Alternative, East Option 1, West Alternative			
Census Tract 13, Block Group 2	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	-			
Census Tract 15.01, Block Group 1	East Alternative	East Alternative	East Alternative			
Census Tract 15.01, Block Group 2	Central Alternative, Crossover Alternative, West Alternative	Central Alternative, Crossover Alternative, West Alternative	Central Alternative, Crossover Alternative, West Alternative			
Census Tract 16, Block Group 1	-	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative			
Census Tract 17, Block Group 1	East Option 1	East Option 1	East Option 1			

Goographia Area	Alternatives and Options			
Geographic Area	ROW/Substation	Improved Roads	New Roads	
Census Tract 17, Block Group 2	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	
Census Tract 17, Block Group 3	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	
Census Tract 17, Block Group 4	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	
Census Tract 17, Block Group 5	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	
Census Tract 18, Block Group 2	East Alternative	East Alternative	East Alternative	
Census Tract 19, Block Group 4	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, Crossover Option 2, Crossover Option 3, East Option 1, West Alternative	Central Option 2, Crossover Alternative, Crossover Option 2, Crossover Option 3, East Option 1, West Alternative	
Census Tract 20.01, Block Group 1	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	
Census Tract 20.01, Block Group 2	Central Alternative, Central Option 1, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Central Option 1, Crossover Option 2, Crossover Option 3, East Alternative	
Census Tract 20.01, Block Group 3	East Option 1	East Option 1	East Option 1	
Census Tract 20.01, Block Group 4	Crossover Option 2, Crossover Option 3, East Option 1	Crossover Alternative, Crossover Option 2, Crossover Option 3, East Option 1, West Alternative	Crossover Option 2, Crossover Option 3, East Option 1	
Census Tract 20.02, Block Group 1	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	

Goographic Area	Alternatives and Options			
Geographic Area	ROW/Substation	Improved Roads	New Roads	
Census Tract 20.02, Block Group 3	-	Central Alternative	-	
Census Tract 20.02, Block Group 5	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	
Clark County	-	-	-	
Census Tract 401.01, Block Group 1	Central Alternative, Crossover Alternative	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative	
Census Tract 401.01, Block Group 2	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	
Census Tract 401.01, Block Group 3	Central Alternative, East Option 2	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, East Option 2	
Census Tract 401.02, Block Group 1	Central Option 3	-	Central Option 3	
Census Tract 401.02, Block Group 2	Central Option 3	Central Option 3	Central Option 3	
Census Tract 402.01, Block Group 1	West Alternative	-	West Alternative	
Census Tract 402.01, Block Group 4	West Alternative	-	West Alternative	
Census Tract 402.02, Block Group 1	Central Alternative, Crossover Alternative, West Alternative	Central Alternative, Central Option 3	Central Alternative, Crossover Alternative, West Alternative	
Census Tract 402.02, Block Group 2	West Alternative	West Alternative	West Alternative	
Census Tract 402.03, Block Group 3	West Alternative	West Alternative	West Alternative	
Census Tract 404.03, Block Group 1	West Alternative	West Alternative	West Alternative	
Census Tract 404.03, Block Group 2	West Alternative	-	West Alternative	

Coographia Area	Alternatives and Options			
Geographic Area	ROW/Substation	Improved Roads	New Roads	
Census Tract 404.09, Block Group 1	West Alternative	West Alternative	West Alternative	
Census Tract 404.11, Block Group 1	West Alternative	-	West Alternative	
Census Tract 405.04, Block Group 1	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	
Census Tract 405.04, Block Group 2	Central Alternative, East Option 2	Central Alternative, East Option 2	Central Alternative, East Option 2	
Census Tract 405.04, Block Group 3	Central Alternative, East Option 2	Central Alternative, East Option 2	Central Alternative, East Option 2	
Census Tract 405.1, Block Group 1	Central Alternative, Crossover Alternative, East Alternative, West Option 2, West Option 3	Central Alternative, Crossover Alternative East Alternative, West Option 2, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 2, West Option 3	
Census Tract 405.1, Block Group 3	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	
Census Tract 405.11, Block Group 1	Central Alternative, Crossover Alternative, East Alternative, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 3	Central Alternative, Crossover Alternative, East Alternative	
Census Tract 405.11, Block Group 2	Central Alternative, Crossover Alternative, Crossover Option 1, East Alternative, West Option 2, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 2, West Option 3	
Census Tract 406.03, Block Group 4	Crossover Option 1, West Option 2, West Option 3	West Option 3	West Option 3	
Census Tract 406.04, Block Group 3	West Alternative	West Alternative	West Alternative	
Census Tract 406.05, Block Group 1	Crossover Option 1 , West Alternative	Crossover Option, West Alternative	Crossover Option 1, West Alternative	

Coographia Area		Alternatives and Options	
Geographic Area	ROW/Substation	Improved Roads	New Roads
Census Tract 406.05, Block Group 2	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative
Census Tract 406.05, Block Group 3	Crossover Alternative, Crossover Option 1, East Alternative, West Alternative	Central Alternative, Crossover Option 1, West Alternative	Central Alternative, Crossover Alternative, Crossover Option 1, East Alternative, West Alternative
Census Tract 406.08, Block Group 1	West Option 1	West Option 1	West Option 1
Census Tract 407.03, Block Group 3	West Alternative	-	West Alternative
Census Tract 407.03, Block Group 4	West Alternative	-	West Alternative
Census Tract 407.06, Block Group 1	West Alternative	-	West Alternative
Census Tract 408.03, Block Group 2	West Alternative	-	West Alternative
Census Tract 408.03, Block Group 3	West Alternative	-	West Alternative
Census Tract 408.03, Block Group 4	West Alternative	-	West Alternative
Census Tract 408.05, Block Group 1	West Alternative	-	West Alternative
Census Tract 408.05, Block Group 2	West Alternative	West Alternative	West Alternative
Census Tract 408.09, Block Group 3	West Alternative	West Alternative	West Alternative
Census Tract 408.09, Block Group 4	West Alternative	-	West Alternative
Census Tract 408.10, Block Group 2	West Alternative	West Alternative	West Alternative
Census Tract 410.10, Block Group 1	West Alternative	West Alternative	West Alternative

Coographic Area	Alternatives and Options			
Geographic Area	ROW/Substation	Improved Roads	New Roads	
Census Tract 410.10, Block Group 2	West Alternative	West Alternative	West Alternative	
Census Tract 410.11, Block Group 1	West Alternative	West Alternative	West Alternative	
Census Tract 411.04, Block Group 1	West Alternative	West Alternative	West Alternative	
Census Tract 411.04, Block Group 2	West Alternative	-	West Alternative	
Census Tract 411.05, Block Group 1	West Alternative	-	West Alternative	
Census Tract 411.05, Block Group 3	West Alternative	-	West Alternative	
Census Tract 411.07, Block Group 1	West Alternative	-	West Alternative	
Census Tract 413.12, Block Group 2	West Alternative	-	West Alternative	
Census Tract 413.21, Block Group 2	West Option 1	-	West Option 1	
Census Tract 413.26, Block Group 1	West Alternative	West Alternative	West Alternative	
Census Tract 413.27, Block Group 1	West Alternative	West Alternative	West Alternative	
Census Tract 414, Block Group 3	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	
Census Tract 415, Block Group 1	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	-	
Census Tract 415, Block Group 2	Crossover Alternative, East Alternative, West Alternative	Central Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	

Coographic Area	Alternatives and Options				
Geographic Area	ROW/Substation	Improved Roads	New Roads		
Oregon	-	-	-		
Multnomah County	-	-	-		
Census Tract 102, Block Group 1	Central Alternative, Crossover Alternative, East Alternative, West Alternative	-	Central Alternative, Crossover Alternative, East Alternative, West Alternative		
Census Tract 102, Block Group 3	Crossover Alternative, East Alternative, West Alternative	-	-		

N/C – No change from the action alternative.

- 1. The minority population data and analysis are provided in Table H-4.
- 2. The low-income population data and analysis are provided in Table H-5.

#### Source:

U.S. Census 2010a. Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database.



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Table H-3. Census Populations Crossed by the Preferred Alternative (Central Alternative using Central Option 1)

Preferred Alternative	Geographic Area	Minority Population <sup>1</sup>	Low-Income Population <sup>2</sup>
	Cowlitz County		
	Census Tract 15.01, Block Group 2	No	No
	Census Tract 17, Block Group 2	No	
	Census Tract 17, Block Group 3	No	No
	Census Tract 17, Block Group 4	No	
	Census Tract 20.01, Block Group 1	No	No
	Census Tract 20.01, Block Group 2	No	NO
	Census Tract 20.02, Block Group 1	No	
	Census Tract 20.02, Block Group 3	No	No
	Census Tract 20.02, Block Group 5	No	
	Clark County		
	Census Tract 401.01, Block Group 1	No	
Central	Census Tract 401.01, Block Group 2	No	No
Alternative	Census Tract 401.01, Block Group 3	No	
	Census Tract 402.02, Block Group 1	No	No
	Census Tract 405.04, Block Group 1	No	
	Census Tract 405.04, Block Group 2	No	No
	Census Tract 405.04, Block Group 3	No	
	Census Tract 405.10, Block Group 1	No	No
	Census Tract 405.10, Block Group 3	No	110
	Census Tract 405.11, Block Group 1	No	No
	Census Tract 405.11, Block Group 2	No	INO
	Census Tract 406.03, Block Group 4	No	No
	Census Tract 406.05, Block Group 2	No	No
	Census Tract 406.05, Block Group 3	No	INO
	Census Tract 414, Block Group 3	No	No

Preferred Alternative	Geographic Area	Minority Population <sup>1</sup>	Low-Income Population <sup>2</sup>	
	Census Tract 415, Block Group 1	No	Yes	
	Census Tract 415, Block Group 2	No		
	Multnomah County			
	Census Tract 102, Block Group 1	No	No	
	Cowlitz County			
Central Option 1	Census Tract 20.01, Block Group 1	No	No	
Option 1	Census Tract 20.01, Block Group 2	No	No	

- 1. The minority population data and analysis are provided in Table H-4.
- 2. The low-income population data and analysis are provided in Table H-5. Low-income data is only available at the census tract level.

#### Sources:

- U.S. Census 2010a. Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database; U.S. Census Bureau. 2010b. Census 2010 Summary File 1, Detailed Table P4; Accessed October 2013 at http://factfinder.census.gov/.
- U.S. Census Bureau. 2013b. Poverty Level in the Past 12 Months, ACS 5-Year Estimates: 2013. Table S1701; U.S. Census Bureau. 2013c. Median Household Income in the Past 12 Months (in 2013 Inflation-Adjusted Dollars), ACS 5-Year Estimates: 2013. Table B19013. Accessed February 2015 at http://factfinder.census.gov/.

Table H-4. Race and Ethnicity for All Action Alternatives by Block Group, County, and State

				Percent	of Total Pop	ulation <sup>1</sup>			
Geographic Area	Total Population	White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone	Two or more races	Minority Population <sup>2</sup>
Washington State	6,724,540	72.52%	1.32%	7.65%	3.41%	11.24%	0.18%	3.68%	No
Cowlitz County	102,410	85.76%	1.33%	1.64%	0.56%	7.79%	0.06%	2.86%	No
Aggregated Block Groups Crossed by the Project	30,237	90.51%	1.23%	1.00%	0.30%	4.40%	0.05%	2.51%	No
Block Group 1, Census Tract 9	677	92.76%	0.74%	0.30%	0.30%	3.40%	0.00%	2.51%	No
Block Group 2, Census Tract 9	2848	87.82%	0.53%	1.58%	0.35%	7.27%	0.04%	2.42%	No
Block Group 4, Census Tract 9	2046	85.43%	0.83%	0.68%	0.78%	8.55%	0.15%	3.57%	No
Block Group 1, Census Tract 12	966	89.44%	1.45%	1.97%	0.31%	4.97%	0.00%	1.86%	No
Block Group 2, Census Tract 12	1196	81.61%	0.59%	2.84%	0.59%	11.54%	0.00%	2.84%	No
Block Group 3, Census Tract 12	1320	91.44%	1.67%	0.61%	0.45%	3.41%	0.00%	2.42%	No
Block Group 1, Census Tract 13	981	89.09%	0.71%	0.92%	0.51%	5.50%	0.00%	3.26%	No
Block Group 2, Census Tract 13	1164	77.41%	1.63%	1.20%	0.43%	15.21%	0.00%	4.12%	Yes
Block Group 1, Census Tract 15.01	1096	94.71%	1.28%	0.27%	0.00%	1.28%	0.09%	2.37%	No
Block Group 2, Census Tract 15.01	1909	90.57%	0.84%	1.10%	0.37%	5.13%	0.00%	1.99%	No
Block Group 1, Census Tract 16	905	92.49%	1.88%	0.55%	0.00%	2.65%	0.11%	2.32%	No
Block Group 1, Census Tract 17	645	95.35%	0.47%	0.93%	0.47%	1.86%	0.47%	0.47%	No
Block Group 2, Census Tract 17	861	90.24%	2.90%	0.70%	0.70%	2.32%	0.00%	3.14%	No
Block Group 3, Census Tract 17	615	92.20%	0.81%	1.46%	0.33%	3.58%	0.00%	1.63%	No
Block Group 4, Census Tract 17	1053	93.45%	1.61%	0.66%	0.00%	2.18%	0.00%	2.09%	No
Block Group 5, Census Tract 17	1995	91.28%	1.55%	0.65%	0.05%	3.46%	0.15%	2.86%	No
Block Group 2, Census Tract 18	902	89.02%	1.88%	0.78%	0.44%	5.21%	0.00%	2.66%	No
Block Group 4, Census Tract 19	1843	90.61%	0.92%	0.65%	0.49%	4.07%	0.11%	3.15%	No
Block Group 1, Census Tract 20.01	965	96.37%	1.04%	0.41%	0.10%	1.14%	0.00%	0.93%	No

				Percent of	of Total Popu	ulation <sup>1</sup>			
Geographic Area	Total Population	White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone	Two or more races	Minority Population <sup>2</sup>
Block Group 2, Census Tract 20.01	1032	93.99%	0.87%	0.19%	0.10%	2.23%	0.00%	2.62%	No
Block Group 3, Census Tract 20.01	932	88.73%	1.72%	1.61%	0.21%	4.40%	0.00%	3.33%	No
Block Group 4, Census Tract 20.01	680	89.41%	1.76%	2.94%	0.29%	3.09%	0.00%	2.50%	No
Block Group 1, Census Tract 20.02	1390	94.03%	1.15%	1.01%	0.00%	1.37%	0.00%	2.45%	No
Block Group 3, Census Tract 20.02	956	92.89%	0.63%	0.31%	0.00%	2.51%	0.00%	3.66%	No
Block Group 5, Census Tract 20.02	1260	92.30%	1.19%	0.63%	0.32%	3.73%	0.16%	1.67%	No
Clark County	425,363	81.76%	0.70%	4.67%	1.89%	7.56%	0.15%	3.27%	No
Aggregated Block Groups Crossed by the Project	84,994	86.32%	0.73%	3.37%	1.26%	5.46%	0.19%	2.67%	No
Block Group 1, Census Tract 401.01	1940	93.45%	1.08%	0.82%	0.31%	2.58%	0.00%	1.75%	No
Block Group 2, Census Tract 401.01	1877	93.93%	0.59%	0.32%	0.32%	3.14%	0.27%	1.44%	No
Block Group 3, Census Tract 401.01	1337	95.14%	0.67%	0.30%	0.07%	2.09%	0.00%	1.72%	No
Block Group 1, Census Tract 401.02	1173	92.92%	0.17%	0.43%	0.34%	3.58%	0.17%	2.39%	No
Block Group 2, Census Tract 401.02	2417	95.12%	0.83%	0.41%	0.37%	1.53%	0.21%	1.53%	No
Block Group 1, Census Tract 402.01	1477	92.08%	0.47%	1.15%	0.41%	3.59%	0.14%	2.17%	No
Block Group 4, Census Tract 402.01	2173	90.70%	0.87%	1.56%	0.74%	3.82%	0.00%	2.30%	No
Block Group 1, Census Tract 402.02	1765	94.05%	0.68%	0.57%	0.11%	1.64%	0.28%	2.66%	No
Block Group 2, Census Tract 402.02	1893	93.77%	0.58%	0.37%	0.42%	3.49%	0.16%	1.22%	No
Block Group 3, Census Tract 402.03	2068	92.75%	0.82%	0.58%	0.92%	2.71%	0.10%	2.13%	No
Block Group 1, Census Tract 404.03	2195	90.93%	0.50%	1.69%	0.82%	3.46%	0.32%	2.28%	No
Block Group 2, Census Tract 404.03	1653	90.14%	0.97%	1.57%	0.30%	5.81%	0.00%	1.21%	No
Block Group 1, Census Tract 404.09	1238	90.47%	0.00%	3.88%	1.05%	2.67%	0.16%	1.78%	No
Block Group 1, Census Tract 404.11	1363	79.75%	1.25%	5.06%	2.05%	8.80%	0.00%	3.08%	No
Block Group 1, Census Tract 405.04	2304	93.36%	0.87%	0.26%	1.69%	2.04%	0.00%	1.78%	No
Block Group 2, Census Tract 405.04	1597	92.99%	0.69%	0.69%	0.44%	2.63%	0.19%	2.38%	No

				Percent	of Total Pop	ulation <sup>1</sup>			
Geographic Area	Total Population	White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone	Two or more races	Minority Population <sup>2</sup>
Block Group 3, Census Tract 405.04	982	91.65%	1.43%	1.43%	0.61%	2.75%	0.00%	2.14%	No
Block Group 1, Census Tract 405.10	1222	92.06%	0.65%	0.65%	0.41%	3.44%	0.00%	2.78%	No
Block Group 3, Census Tract 405.10	2440	91.35%	0.57%	2.42%	0.45%	2.79%	0.08%	2.34%	No
Block Group 1, Census Tract 405.11	1147	91.11%	0.61%	1.48%	0.09%	4.53%	0.44%	1.74%	No
Block Group 2, Census Tract 405.11	1041	90.97%	2.31%	1.54%	0.19%	2.79%	0.29%	1.92%	No
Block Group 4, Census Tract 406.03	1328	92.47%	0.00%	1.58%	0.53%	3.77%	0.00%	1.66%	No
Block Group 3, Census Tract 406.04	957	93.94%	0.52%	1.15%	0.00%	3.34%	0.00%	1.04%	No
Block Group 1, Census Tract 406.05	1018	92.73%	0.88%	1.67%	0.10%	1.57%	0.49%	2.55%	No
Block Group 2, Census Tract 406.05	730	91.78%	1.51%	1.64%	0.41%	3.15%	0.00%	1.51%	No
Block Group 3, Census Tract 406.05	2932	84.86%	0.48%	5.35%	1.47%	4.77%	0.00%	3.07%	No
Block Group 1, Census Tract 406.08	1166	78.30%	0.43%	10.98%	1.97%	2.92%	1.72%	3.69%	No
Block Group 3, Census Tract 407.03	1136	70.86%	0.70%	5.90%	2.02%	16.37%	0.70%	3.43%	Yes
Block Group 4, Census Tract 407.03	1000	71.50%	1.30%	5.30%	1.70%	14.20%	0.50%	5.50%	Yes
Block Group 1, Census Tract 407.06	2202	75.20%	1.00%	6.72%	1.59%	11.31%	0.86%	3.32%	No
Block Group 2, Census Tract 408.03	1403	87.17%	0.21%	4.28%	0.71%	4.78%	0.07%	2.78%	No
Block Group 3, Census Tract 408.03	915	85.14%	0.44%	3.93%	1.64%	4.92%	0.11%	3.83%	No
Block Group 4, Census Tract 408.03	824	83.86%	1.70%	4.49%	0.73%	6.31%	0.00%	2.91%	No
Block Group 1, Census Tract 408.05	991	91.12%	0.40%	2.42%	0.40%	3.73%	0.30%	1.61%	No
Block Group 2, Census Tract 408.05	1996	84.97%	0.85%	4.46%	1.20%	5.01%	0.00%	3.51%	No
Block Group 3, Census Tract 408.09	1231	83.59%	0.57%	5.12%	1.79%	5.28%	0.08%	3.57%	No
Block Group 4, Census Tract 408.09	2065	73.80%	0.34%	13.70%	2.81%	6.30%	0.29%	2.76%	No
Block Group 2, Census Tract 408.10	1599	81.80%	0.31%	5.07%	2.81%	6.19%	0.25%	3.56%	No
Block Group 1, Census Tract 410.10	1647	79.36%	0.55%	3.34%	3.40%	9.59%	0.06%	3.70%	No
Block Group 2, Census Tract 410.10	1738	83.54%	0.98%	3.11%	2.53%	7.77%	0.06%	2.01%	No

				Percent of	of Total Popu	ulation <sup>1</sup>			
Geographic Area	Total Population	White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone	Two or more races	Minority Population <sup>2</sup>
Block Group 1, Census Tract 410.11	1814	83.35%	1.05%	2.09%	2.15%	8.54%	0.11%	2.70%	No
Block Group 1, Census Tract 411.04	1982	75.88%	0.66%	5.90%	1.82%	11.76%	0.05%	3.94%	No
Block Group 2, Census Tract 411.04	1817	76.33%	0.94%	5.06%	3.63%	10.07%	0.11%	3.85%	No
Block Group 1, Census Tract 411.05	2590	79.31%	0.62%	5.21%	3.20%	8.73%	0.15%	2.78%	No
Block Group 3, Census Tract 411.05	1073	82.57%	0.19%	5.96%	1.58%	6.43%	0.00%	3.26%	No
Block Group 1, Census Tract 411.07	1481	85.55%	0.34%	2.57%	0.74%	6.35%	0.00%	4.46%	No
Block Group 2, Census Tract 413.12	2064	77.23%	0.53%	5.86%	3.39%	8.96%	0.05%	3.97%	No
Block Group 2, Census Tract 413.21	722	86.15%	1.25%	3.74%	2.22%	4.71%	0.55%	1.39%	No
Block Group 1, Census Tract 413.26	2499	75.27%	0.72%	8.48%	2.56%	9.76%	0.16%	3.04%	No
Block Group 1, Census Tract 413.27	2566	74.90%	0.23%	10.48%	3.16%	7.56%	0.00%	3.66%	No
Block Group 3, Census Tract 414	2317	87.14%	0.69%	3.80%	0.82%	4.01%	0.52%	3.02%	No
Block Group 1, Census Tract 415	997	90.37%	0.60%	1.40%	1.10%	4.41%	0.00%	2.11%	No
Block Group 2, Census Tract 415	892	86.21%	1.23%	0.78%	0.34%	6.73%	0.00%	4.71%	No
Oregon State	3,831,074	78.46%	1.11%	3.97%	1.70%	11.75%	0.14%	2.87%	No
Multnomah County	735,334	72.12%	0.75%	6.99%	5.43%	10.90%	0.21%	3.61%	No
Aggregated Block Groups Crossed by the Project	3,821	71.39%	0.64%	12.65%	4.31%	7.70%	0.13%	3.18%	No
Block Group 1, Census Tract 102	1,844	63.77%	0.87%	14.53%	6.94%	10.20%	0.16%	3.52%	No
Block Group 3, Census Tract 102	1977	79.01%	0.40%	10.77%	1.67%	5.21%	0.10%	2.83%	No

- 1. These data, compiled as part of the 2010 Census, are the most recent available data at the census block group level.
- 2. Minority populations are identified if the minority population is greater than 50 percent of the block group population, or 50 percent greater than the county's minority percent. Source:
- U.S. Census Bureau. 2010b. Census 2010 Summary File 1, Detailed Table P4. Accessed October 18, 2013 and March 30, 2015. Available online at http://factfinder.census.gov/.

Table H-5. Income and Poverty Status for All Action Alternatives by Census Tract, County, and State<sup>1</sup>

Geographic Area	Total Population for whom Poverty Level is Assessed	5-Year Estimates of Median Household Income (\$) in the Last 12 Months	Median Household Income, Percent of State Median	5-Year Estimated Population below Poverty Level in the Last 12 Months	Percent of Population below the Poverty Level	Low Income Population <sup>2</sup>
Washington State	6,686,172	\$59,478	N/A	893,211	13.4%	No
Cowlitz County	100,782	\$47,596	100%	17,750	17.6%	No
Aggregated Census Tracts Crossed by the Project	46,620	\$56,151	118%	5,238	11.2%	No
Census Tract 9	6,736	\$55,383	116%	670	9.9%	No
Census Tract 12	4,307	\$51,469	108%	466	10.8%	No
Census Tract 13	3,611	\$32,737	69%	1,008	27.9%	Yes
Census Tract 15.01	2,516	\$69,281	146%	181	7.2%	No
Census Tract 16	7,092	\$58,569	123%	596	8.4%	No
Census Tract 17	5,141	\$63,629	134%	496	9.6%	No
Census Tract 18	1,843	\$53,813	113%	271	14.7%	No
Census Tract 19	5,154	\$61,378	129%	665	12.9%	No
Census Tract 20.01	3,759	\$55,811	117%	396	10.5%	No
Census Tract 20.02	6,461	\$59,436	125%	489	7.6%	No
Clark County	428,222	\$58,225	100%	53,164	12.4%	No
Aggregated Census Tracts Crossed by the Project	135,135	\$66,049	113%	14,441	10.7%	No
Census Tract 401.01	4,531	\$60,816	104%	394	8.7%	No
Census Tract 401.02	3,237	\$54,335	93%	234	7.2%	No
Census Tract 402.01	5,430	\$71,768	123%	328	6.0%	No
Census Tract 402.02	4,028	\$70,476	121%	299	7.4%	No
Census Tract 402.03	4,981	\$73,872	127%	201	4.0%	No
Census Tract 404.03	3,858	\$75,536	130%	106	2.7%	No

Geographic Area	Total Population for whom Poverty Level is Assessed	5-Year Estimates of Median Household Income (\$) in the Last 12 Months	Median Household Income, Percent of State Median	5-Year Estimated Population below Poverty Level in the Last 12 Months	Percent of Population below the Poverty Level	Low Income Population <sup>2</sup>
Census Tract 404.09	1,639	\$76,917	132%	26	1.6%	No
Census Tract 404.11	1,856	\$56,667	97%	151	8.1%	No
Census Tract 405.04	4,889	\$79,477	136%	454	9.3%	No
Census Tract 405.10	4,901	\$83,726	144%	287	5.9%	No
Census Tract 405.11	2,528	\$73,413	126%	295	11.7%	No
Census Tract 406.03	4,701	\$79,577	137%	266	5.7%	No
Census Tract 406.04	5,465	\$68,143	117%	620	11.3%	No
Census Tract 406.05	4,472	\$74,393	128%	112	2.5%	No
Census Tract 406.08	4,032	\$108,750	187%	54	1.3%	No
Census Tract 407.03	6,594	\$63,604	109%	732	11.1%	No
Census Tract 407.06	3,875	\$39,591	68%	1,070	27.6%	Yes
Census Tract 408.03	5,857	\$80,291	138%	879	15.0%	No
Census Tract 408.05	5,762	\$86,892	149%	665	11.5%	No
Census Tract 408.09	5,692	\$58,958	101%	779	13.7%	No
Census Tract 408.10	2,371	\$54,013	93%	195	8.2%	No
Census Tract 410.10	3,507	\$39,583	68%	602	17.2%	No
Census Tract 410.11	3,011	\$59,476	102%	146	4.8%	No
Census Tract 411.04	3,794	\$44,375	76%	1,155	30.4%	Yes
Census Tract 411.05	5,203	\$57,254	98%	406	7.8%	No
Census Tract 411.07	2,562	\$72,096	124%	213	8.3%	No
Census Tract 413.12	4,030	\$42,661	73%	859	21.3%	Yes
Census Tract 413.21	3,125	\$68,125	117%	228	7.3%	No
Census Tract 413.26	2,665	\$54,575	94%	452	17.0%	No

Geographic Area	Total Population for whom Poverty Level is Assessed	5-Year Estimates of Median Household Income (\$) in the Last 12 Months	Median Household Income, Percent of State Median	5-Year Estimated Population below Poverty Level in the Last 12 Months	Percent of Population below the Poverty Level	Low Income Population <sup>2</sup>
Census Tract 413.27	8,858	\$84,545	145%	1,278	14.4%	No
Census Tract 414	4,896	\$52,935	91%	423	8.6%	No
Census Tract 415	2,785	\$46,723	80%	532	19.1%	Yes
Oregon State	3,793,058	\$50,229	N/A	614,778	16.2%	No
Multnomah County	732,970	\$52,511	100%	130,507	17.8%	No
Aggregated Census Tracts Crossed by the Project	5,638	\$57,683	110%	794	14.1%	No
Census Tract 102	5,638	\$57,683	110%	794	14.1%	No

- 1. These data, compiled as part of the 2013 Census are the most recent available data at the census tract level.
- 2. Low income populations are identified if the percent of the population below the poverty level is equal to or greater than 20 percent of the total population, or 50% greater than the county poverty rate.

#### Sources:

- U.S. Census Bureau. 2013b. Poverty Level in the Past 12 Months, ACS 5-Year Estimates: 2013. Table S1701. Accessed February 12, 2015 at http://factfinder.census.gov/.
- U.S. Census Bureau. 2013c. Median Household Income in the Past 12 Months (in 2013 Inflation-Adjusted Dollars), ACS 5-Year Estimates: 2013. Table B19013. Accessed February 12, 2015 at http://factfinder.census.gov/.



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Table H-6. Minority and Low-Income Populations by Census Block and Action Alternatives

Coorrenbie Avec	Alter	natives and Options		Minority	Low-Income
Geographic Area	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Washington	-	-	-	No	No
Cowlitz County	-	-	-	No	No
Census Tract 9, Block Group 1	Central Option 2 , Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	No	
Census Tract 9, Block Group 2	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	No	No
Census Tract 9, Block Group 4	Central Option 2	Central Option 2, Crossover Alternative, West Alternative	Central Option 2	No	
Census Tract 12, Block Group 1	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	No	
Census Tract 12, Block Group 2	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	No	No
Census Tract 12, Block Group 3	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	No	
Census Tract 13, Block Group 1	Central Option 2, Crossover Alternative, East Option 1, West Alternative	Central Option 2, Crossover Alternative, East Option 1, West Alternative	Central Option 2, Crossover Alternative, East Option 1, West Alternative	No	Yes
Census Tract 13, Block Group 2	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, West Alternative	-	Yes	
Census Tract 15.01, Block Group 1	East Alternative	East Alternative	East Alternative	No	
Census Tract 15.01, Block Group 2	Central Alternative, Crossover Alternative, West Alternative	Central Alternative, Crossover Alternative, West Alternative	Central Alternative, Crossover Alternative, West Alternative	No	No
Census Tract 16, Block Group 1	-	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	No	No
Census Tract 17, Block Group 1	East Option 1	East Option 1	East Option 1	No	No

Coographic Area	Alter	natives and Options		Minority	Low-Income
Geographic Area	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Census Tract 17, Block Group 2	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	No	
Census Tract 17, Block Group 3	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	No	
Census Tract 17, Block Group 4	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	No	
Census Tract 17, Block Group 5	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	Crossover Alternative, West Alternative	No	
Census Tract 18, Block Group 2	East Alternative	East Alternative	East Alternative	No	No
Census Tract 19, Block Group 4	Central Option 2, Crossover Alternative, West Alternative	Central Option 2, Crossover Alternative, Crossover Option 2, Crossover Option 3, East Option 1, West Alternative	Central Option 2, Crossover Alternative, Crossover Option 2, Crossover Option 3, East Option 1, West Alternative	No	No
Census Tract 20.01, Block Group 1	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	No	
Census Tract 20.01, Block Group 2	Central Alternative, Central Option 1, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Crossover Option 2, Crossover Option 3, East Alternative	Central Alternative, Central Option 1,, Crossover Option 2, Crossover Option 3, East Alternative	No	No
Census Tract 20.01, Block Group 3	East Option 1	East Option 1	East Option 1	No	
Census Tract 20.01, Block Group 4	Crossover Option 2, Crossover Option 3, East Option 1	Crossover Alternative, Crossover Option 2, Crossover Option 3, East Option 1, West Alternative	Crossover Option 2, Crossover Option 3, East Option 1	No	
Census Tract 20.02, Block Group 1	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	No	No

Occumentia Anna	Alter	natives and Options		Minority	Low-Income
Geographic Area	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Census Tract 20.02, Block Group 3	-	Central Alternative	-	No	
Census Tract 20.02, Block Group 5	Central Alternative, East Alternative	Central Alternative, East Alternative	Central Alternative, East Alternative	No	
Clark County	-	-	-	No	No
Census Tract 401.01, Block Group 1	Central Alternative, Crossover Alternative	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative	No	
Census Tract 401.01, Block Group 2	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	No	No
Census Tract 401.01, Block Group 3	Central Alternative, East Option 2	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, East Option 2	No	
Census Tract 401.02, Block Group 1	Central Option 3	-	Central Option 3	No	
Census Tract 401.02, Block Group 2	Central Option 3	Central Option 3	Central Option 3	No	No
Census Tract 402.01, Block Group 1	West Alternative	-	West Alternative	No	
Census Tract 402.01, Block Group 4	West Alternative	-	West Alternative	No	No
Census Tract 402.02, Block Group 1	Central Alternative, Crossover Alternative, West Alternative	Central Alternative, Central Option 3	Central Alternative, Crossover Alternative, West Alternative	No	No
Census Tract 402.02, Block Group 2	West Alternative	West Alternative	West Alternative	No	No
Census Tract 402.03, Block Group 3	West Alternative	West Alternative	West Alternative	No	No

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Coographic Area	Alter	Alternatives and Options					
Geographic Area	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>		
Census Tract 404.03, Block Group 1	West Alternative	West Alternative	West Alternative	No	N-		
Census Tract 404.03, Block Group 2	West Alternative	-	West Alternative	No	No		
Census Tract 404.09, Block Group 1	West Alternative	West Alternative	West Alternative	No	No		
Census Tract 404.11, Block Group 1	West Alternative	-	West Alternative	No	No		
Census Tract 405.04, Block Group 1	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	Central Alternative, Crossover Alternative, East Alternative	No			
Census Tract 405.04, Block Group 2	Central Alternative, East Option 2	Central Alternative, East Option 2	Central Alternative, East Option 2	No	No		
Census Tract 405.04, Block Group 3	Central Alternative, East Option 2	Central Alternative, East Option 2	Central Alternative, East Option 2	No			
Census Tract 405.1, Block Group 1	Central Alternative, Crossover Alternative, East Alternative, West Option 2, West Option 3	Central Alternative, Crossover Alternative East Alternative, West Option 2, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option, West Option 3	No			
Census Tract 405.1, Block Group 3	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	No	No		
Census Tract 405.11, Block Group 1	Central Alternative, Crossover Alternative, East Alternative, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 3	Central Alternative, Crossover Alternative, East Alternative	No	No		

Coornentie Area	Alteri	natives and Options		Minority	Low-Income
Geographic Area	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Census Tract 405.11, Block Group 2	Central Alternative, Crossover Alternative, Crossover Option 1, East Alternative, West Option 2, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 3	Central Alternative, Crossover Alternative, East Alternative, West Option 2, West Option 3	No	
Census Tract 406.03, Block Group 4	Crossover Option 1, West Option 2, West Option 3	West Option 3	West Option 3	No	No
Census Tract 406.04, Block Group 3	West Alternative	West Alternative	West Alternative	No	No
Census Tract 406.05, Block Group 1	Crossover Option 1 , West Alternative	Crossover Option, West Alternative,	Crossover Option 1, West Alternative	No	
Census Tract 406.05, Block Group 2	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	No	No
Census Tract 406.05, Block Group 3	Crossover Alternative, Crossover Option 1, East Alternative, West Alternative	Central Alternative, Crossover Option 1, West Alternative	Central Alternative, Crossover Alternative, Crossover Option 1, East Alternative, West Alternative	No	
Census Tract 406.08, Block Group 1	West Option 1	West Option 1	West Option 1	No	No
Census Tract 407.03, Block Group 3	West Alternative	-	West Alternative	Yes	N-
Census Tract 407.03, Block Group 4	West Alternative	-	West Alternative	Yes	No
Census Tract 407.06, Block Group 1	West Alternative	-	West Alternative	No	Yes

Geographic Area	Alternatives and Options			Minority	Low-Income
	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Census Tract 408.03, Block Group 2	West Alternative	-	West Alternative	No	
Census Tract 408.03, Block Group 3	West Alternative	-	West Alternative	No	No
Census Tract 408.03, Block Group 4	West Alternative	-	West Alternative	No	
Census Tract 408.05, Block Group 1	West Alternative	-	West Alternative	No	No
Census Tract 408.05, Block Group 2	West Alternative	West Alternative	West Alternative	No	
Census Tract 408.09, Block Group 3	West Alternative	West Alternative	West Alternative	No	No
Census Tract 408.09, Block Group 4	West Alternative	-	West Alternative	No	
Census Tract 408.10, Block Group 2	West Alternative	West Alternative	West Alternative	No	No
Census Tract 410.10, Block Group 1	West Alternative	West Alternative	West Alternative	No	- No
Census Tract 410.10, Block Group 2	West Alternative	West Alternative	West Alternative	No	
Census Tract 410.11, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 411.04, Block Group 1	West Alternative	West Alternative	West Alternative	No	Yes

Geographic Area	Alternatives and Options			Minority	Low-Income
	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Census Tract					
411.04, Block Group 2	West Alternative	-	West Alternative	No	
Census Tract 411.05, Block Group 1	West Alternative	-	West Alternative	No	No
Census Tract 411.05, Block Group 3	West Alternative	-	West Alternative	No	
Census Tract 411.07, Block Group 1	West Alternative	-	West Alternative	No	No
Census Tract 413.12, Block Group 2	West Alternative	-	West Alternative	No	Yes
Census Tract 413.21, Block Group 2	West Option 1	-	West Option 1	No	No
Census Tract 413.26, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 413.27, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 414, Block Group 3	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	No	No
Census Tract 415, Block Group 1	Crossover Alternative, East Alternative, West Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	-	No	
Census Tract 415, Block Group 2	Crossover Alternative, East Alternative, West Alternative	Central Alternative	Central Alternative, Crossover Alternative, East Alternative, West Alternative	No	Yes

Geographic Area	Alternatives and Options			Minority	Low-Income
	ROW/Substation	Improved Roads	New Roads	Population <sup>1</sup>	Population <sup>2</sup>
Oregon	-	-	-	No	No
Multnomah County	-	-	-	No	No
Census Tract 102, Block Group 1	Central Alternative, Crossover Alternative, East Alternative, West Alternative	-	Central Alternative, Crossover Alternative, East Alternative, West Alternative	No	No
Census Tract 102, Block Group 3	Crossover Alternative, East Alternative, West Alternative	-	-	No	

- 1. The minority population data and analysis are provided in Table H-4.
- 2. The low-income population data and analysis are provided in Table H-5.

#### Sources:

- U.S. Census 2010a. Master Address File/Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database; U.S. Census Bureau. 2010b. Census 2010 Summary File 1, Detailed Table P4; Accessed October 2013 at <a href="http://factfinder.census.gov/">http://factfinder.census.gov/</a>.
- U.S. Census Bureau. 2013b. Poverty Level in the Past 12 Months, ACS 5-Year Estimates: 2013. Table S1701; U.S. Census Bureau. 2013c. Median Household Income in the Past 12 Months (in 2013 Inflation-Adjusted Dollars), ACS 5-Year Estimates: 2013. Table B19013. Accessed February 2015 at http://factfinder.census.gov/.