

Appendix H

Environmental Justice Tables

Environmental Justice Tables for BPA I-5 Corridor Reinforcement Project

Table of Contents

Introduction.....	H-1
Table H-1. Poverty Thresholds in 1999 by Size of Family and Number of Related Children Under 18 Years Old (1999 Dollars).....	H-3
Table H-2. Block Groups Crossed by Route Segments and Substations.....	H-5
Table H-3. Race and Ethnicity by Block Group, County and State	H-9
Table H-4. Low-Income Populations by Block Group, County and State	H-13
Table H-5. Minority and Low-Income Populations, by Action Alternative.....	H-17

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Introduction

Minority and low-income populations evaluated in these tables represent all block groups crossed by the 150-foot-wide transmission line right-of-way, substation disturbance areas, and access roads (existing, improved and new). Populations were mapped based on the following data sources:

- U.S. Census Block Groups boundary (Environmental Systems Research Institute, Inc. (ESRI)).
- Census 2000 Summary File 1. Detailed Table P4. Hispanic or Latino, and Not Hispanic or Latino by Race.
- Census 2000 Summary File 3. Detailed Table P87. Poverty Status in 1999 by Age.
- Census 2000 Summary File 3. Detailed Table P53. Median Household Income in 1999.

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Table H-1. Poverty Thresholds in 1999 by Size of Family and Number of Related Children Under 18 Years Old (1999 Dollars)

Size of Family Unit	Weighted Average Threshold	Related children under 18 years								
		None	One	Two	Three	Four	Five	Six	Seven	Eight or more
One person (unrelated individual)	\$8,501									
Under 65 years old	\$8,667	\$8,667								
65 years old and over	\$7,990	\$7,990								
Two People	\$10,869									
Householder under 65 years old	\$11,214	\$11,156	\$11,483							
Householder 65 years old and over	\$10,075	\$10,070	\$11,440							
Three people	\$13,290	\$13,032	\$13,410	\$13,423						
Four people	\$17,029	\$17,184	\$17,465	\$16,895	\$16,954					
Five people	\$20,127	\$20,723	\$21,024	\$20,380	\$19,882	\$19,578				
Six people	\$22,727	\$23,835	\$23,930	\$23,436	\$22,964	\$22,261	\$21,845			
Seven people	\$25,912	\$27,425	\$27,596	\$27,006	\$26,595	\$25,828	\$24,934	\$23,953		
Eight people	\$28,967	\$30,673	\$30,944	\$30,387	\$29,899	\$29,206	\$28,327	\$27,412	\$27,180	
Nine people or more	\$34,417	\$36,897	\$37,076	\$36,583	\$36,169	\$35,489	\$34,554	\$33,708	\$33,499	\$32,208

Source: U.S. Census Bureau. 2000. American FactFinder Help: Subject Characteristic: Poverty Status in 1999. Accessed January 13, 2011. Available online at: http://factfinder.census.gov/servlet/MetadataBrowserServlet?type=subject&id=POVERTYSF3&dsspnName=DEC_2000_SF3&back=update&_lang=en

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Table H-2. Block Groups Crossed by Route Segments and Substations

Geographic Area	Route Segment and Substation		
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads
Washington	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 18, 23, 25, 26, 28, 30, 35, 36, 36A, 36B, 37, 38, 39, 40, 41, 43, 45, 46, 47, 48, 49, 50, 51, 52, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, Baxter Creek Substation, Casey Road Substation, Monahan Creek Substation	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 18, 23, 25, 26, 28, 30, 35, 36A, 36B, 37, 38, 39, 40, 41, 43, 45, 46, 47, 49, 50, 51, 52, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, Baxter Creek Substation, Casey Road Substation	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 18, 23, 25, 26, 28, 30, 35, 36A, 36B, 37, 38, 39, 40, 41, 43, 45, 46, 47, 48, 49, 50, 51, 52, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, Baxter Creek Substation, Casey Road Substation, Monahan Creek Substation
Cowlitz County	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 23, 25, A, B, C, D, E, F, G, H, I, J, K, L, M, Baxter Creek Substation, Casey Road Substation, Monahan Creek Substation	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 23, 25, A, B, C, D, E, F, G, H, I, J, K, Baxter Creek Substation, Casey Road Substation	1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 23, 25, A, B, C, D, E, F, G, H, I, J, K, L, M, Baxter Creek Substation, Casey Road Substation, Monahan Creek Substation
Census Tract 09, Block Group 1	1, 2	1, 2	1, 2
Census Tract 09, Block Group 2	1, 2, 4	1, 2, 4	1, 2, 4
Census Tract 09, Block Group 3	1	--	--
Census Tract 09, Block Group 4	1	1, 4	1
Census Tract 12, Block Group 1	9	9	9
Census Tract 12, Block Group 2	9	9	9
Census Tract 12, Block Group 3	9	9	9
Census Tract 13, Block Group 1	3, 5, 9	3, 5, 7, 9	3, 5, 9
Census Tract 13, Block Group 2	4, 5, 9	4, 5, 9	--
Census Tract 15, Block Group 6	9, 10, 12, 14, 15, 23, 25, L, M	9, 10, 12, 14, 15, 23, 25	9, 10, 12, 14, 15, 23, 25, L, M
Census Tract 15, Block Group 7	K	K	K
Census Tract 16, Block Group 1	--	9	9
Census Tract 17, Block Group 1	3	3	3
Census Tract 17, Block Group 2	3, 7, 8, F	3, 7, 8, 11, F	7, F

Table H-2. Block Groups Crossed by Route Segments and Substations (continued)

Geographic Area	Route Segment and Substation		
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads
Census Tract 17, Block Group 3	3, 5, 7, 8, 11, F	3, 7, 8, 11, F	3, 5, 7, 8, 11, F
Census Tract 17, Block Group 4	9, 10, 11, F, G, H, I, J, K	9, 10, 11, F, G, H, I, J, K	9, 10, 11, F, G, H, I, J, K
Census Tract 17, Block Group 5	9	9	9
Census Tract 18, Block Group 2	K	K	K
Census Tract 19, Block Group 4	1, 2, 3, E, Monahan Creek Substation	1, 2, 3, E,	1, 2, 3, E, Monahan Creek Substation
Census Tract 20.01, Block Group 1	A, C, D, E, Baxter Creek Substation, Casey Road Substation	A, B, C, D, Baxter Creek Substation, Casey Road Substation	A, C, D, E, Baxter Creek Substation, Casey Road Substation
Census Tract 20.01, Block Group 2	A, B, C, D, F, Baxter Creek Substation	A, B, C, D, F, Baxter Creek Substation	A, B, C, D, F, Baxter Creek Substation
Census Tract 20.01, Block Group 3	3	3	3
Census Tract 20.01, Block Group 4	3, C, D, E	2, 3, C, D, E	3, C, D, E
Census Tract 20.02, Block Group 1	F	F	F
Census Tract 20.02, Block Group 5	F	F	F
Clark County	18, 25, 26, 28, 30, 35, 36, 36A, 36B, 37, 38, 39, 40, 41, 43, 45, 46, 47, 48, 49, 50, 51, 52, K, L, M, N, O, P, Q, R, S, T, U, V, W	18, 25, 26, 28, 30, 35, 36A, 36B, 37, 38, 39, 40, 41, 43, 45, 46, 47, 49, 50, 51, 52, K, L, M, N, O, P, Q, R, S, T, U, V, W	18, 25, 26, 28, 30, 35, 36A, 36B, 37, 38, 39, 40, 41, 43, 45, 46, 47, 48, 49, 50, 51, 52, K, L, M, N, O, P, Q, R, S, T, U, V, W
Census Tract 401.01, Block Group 1	18, 26, 28, L, M, N	18, 26, 28, K, L, M, N, W	18, 26, 28, L, M, N
Census Tract 401.01, Block Group 2	28, K, N, O, U, V, W	18, 28, K, N, O, U, V, W	28, K, N, O, U, V, W
Census Tract 401.02, Block Group 1	26	--	26
Census Tract 401.02, Block Group 2	26, 30	26, 30	26, 30
Census Tract 402.01, Block Group 1	25	--	25
Census Tract 402.01, Block Group 2	25	--	25
Census Tract 402.02, Block Group 1	25, L, M	26, M	25, L, M
Census Tract 402.02, Block Group 2	25	25	25

Table H-2. Block Groups Crossed by Route Segments and Substations (continued)

Geographic Area	Route Segment and Substation		
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads
Census Tract 402.03, Block Group 3	25	25	25
Census Tract 404.03, Block Group 1	25	25	25
Census Tract 404.03, Block Group 2	25	--	25
Census Tract 404.04, Block Group 2	25	25	25
Census Tract 405.04, Block Group 1	30, O, V	30, O, V	30, O, P, V
Census Tract 405.04, Block Group 2	30, P, V	30, P, V	30, P, V
Census Tract 405.04, Block Group 3	P	P	P
Census Tract 405.06, Block Group 1	35, 39, O, P, Q, R	35, 39, O, P, Q, R	35, O, P, Q, R
Census Tract 405.06, Block Group 2	35, 39, 48, 49, 51, Q, R, S, T	35, 39, 49, 51, Q, R, S, T	35, 39, 48, 49, 51, Q, R, S, T
Census Tract 405.06, Block Group 3	50, 51, 52	50, 51, 52	50, 51, 52
Census Tract 406.03, Block Group 4	39, 48	39	39, 48
Census Tract 406.04, Block Group 2	37, 38, 39, 40, 41, 43, 36A, 36B	37, 38, 39, 40, 41, 43, 36A, 36B	37, 38, 39, 40, 41, 43, 36A, 36B
Census Tract 406.05, Block Group 1	48, 50, 51, 52	50, 51	48, 50, 51, 52
Census Tract 406.05, Block Group 2	41, 43, 45, 46, 47, 48, 50	41, 43, 45, 46, 47, 50	41, 43, 45, 46, 47, 48, 50
Census Tract 406.06, Block Group 1	40, 46	40, 46	40, 46
Census Tract 407.03, Block Group 3	25	--	25
Census Tract 407.03, Block Group 4	25	--	25
Census Tract 407.06, Block Group 1	25	--	25
Census Tract 408.03, Block Group 2	25	--	25
Census Tract 408.03, Block Group 3	25	--	25
Census Tract 408.04, Block Group 2	25	25	25
Census Tract 408.05, Block Group 1	25	25	25

Table H-2. Block Groups Crossed by Route Segments and Substations (continued)

Geographic Area	Route Segment and Substation		
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads
Census Tract 410.02, Block Group 1	25	25	25
Census Tract 410.02, Block Group 2	25	25	25
Census Tract 410.02, Block Group 3	25	25	25
Census Tract 411.04, Block Group 1	25	25	25
Census Tract 411.04, Block Group 2	25	--	25
Census Tract 411.05, Block Group 1	25	--	25
Census Tract 411.05, Block Group 3	25	--	25
Census Tract 411.07, Block Group 1	25	--	25
Census Tract 413.12, Block Group 2	25	--	25
Census Tract 413.15, Block Group 1	25	25	25
Census Tract 413.15, Block Group 2	25, 36, 40, 36A, 36B	25, 40, 36A, 36B	25, 40, 36A, 36B
Census Tract 413.21, Block Group 2	40	--	40
Census Tract 414, Block Group 3	52	52	52
Census Tract 415, Block Group 1	52	52	52
Census Tract 415, Block Group 2	52	--	52
Oregon	52, Sundial Substation	--	52, Sundial Substation
Multnomah County	52, Sundial Substation	--	52, Sundial Substation
Census Tract 102, Block Group 1	52, Sundial Substation	--	52, Sundial Substation

Source:

U.S. Census Bureau. 2000a. Census 2000 Summary File 1, Detailed Table P4. Accessed January 19, 2011. Available online at <http://factfinder.census.gov/>.

U.S. Census Bureau. 2000b. Census 2000 Summary File 3, Detailed Table P87. Accessed January 19, 2011. Available online at <http://factfinder.census.gov/>.

U.S. Census Bureau. 2000c. Census 2000 Summary File 3. Detailed Table P53. Accessed January 19, 2011. Available online at <http://factfinder.census.gov/>.

Table H-3. Race and Ethnicity by Block Group, County and State

Geographic Area	Total Population	Percent of Total Population						Two or more races	Minority Population ?
		White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone		
Washington State	5,894,121	78.9	1.4	5.8	3.1	7.5	0.2	3.0	No
Cowlitz County	92,948	89.9	1.4	1.4	0.5	4.6	0.1	2.2	No
Block Group 1, Census Tract 9	670	96.3	1.3	0.1	0.3	0.4	0.0	1.5	No
Block Group 2, Census Tract 9	2,228	92.4	1.3	1.5	0.3	2.2	0.0	2.3	No
Block Group 3, Census Tract 9	1,273	95.5	0.2	0.9	0.5	1.7	0.2	0.9	No
Block Group 4, Census Tract 9	1,702	93.5	1.0	1.0	0.2	2.2	0.0	2.1	No
Block Group 1, Census Tract 12	933	92.9	0.3	0.5	0.5	2.8	0.3	2.6	No
Block Group 2, Census Tract 12	962	93.5	0.9	0.2	0.7	3.3	0.0	1.4	No
Block Group 3, Census Tract 12	1,232	95.5	0.9	0.2	0.3	1.8	0.0	1.4	No
Block Group 1, Census Tract 13	941	90.2	1.7	0.4	0.2	5.2	0.0	2.2	No
Block Group 2, Census Tract 13	1,075	87.1	2.2	0.6	0.5	6.8	0.1	2.8	No
Block Group 6, Census Tract 15	1,497	91.7	1.3	0.8	0.1	3.2	0.5	2.5	No
Block Group 7, Census Tract 15	808	96.4	0.7	0.5	0.1	1.0	0.0	1.2	No
Block Group 1, Census Tract 16	740	93.6	1.4	0.3	0.1	3.0	0.0	1.6	No
Block Group 1, Census Tract 17	549	94.0	1.6	0.7	0.0	1.1	0.0	2.6	No
Block Group 2, Census Tract 17	871	89.9	2.2	0.9	0.5	2.3	0.0	4.2	No
Block Group 3, Census Tract 17	557	96.6	0.5	0.5	0.0	0.9	0.2	1.3	No
Block Group 4, Census Tract 17	916	92.6	1.6	0.9	0.0	1.6	0.0	3.3	No
Block Group 5, Census Tract 17	1,761	93.7	1.2	0.5	0.0	2.5	0.0	2.2	No
Block Group 2, Census Tract 18	734	91.4	0.7	0.5	0.1	3.8	0.0	3.4	No
Block Group 4, Census Tract 19	1,598	93.7	1.0	0.4	0.3	1.6	0.5	2.4	No
Block Group 1, Census Tract 20.01	885	94.2	0.6	0.7	0.9	1.9	0.1	1.6	No
Block Group 2, Census Tract 20.01	923	95.0	0.9	0.9	0.0	1.3	0.0	2.0	No
Block Group 3, Census Tract 20.01	868	95.2	1.3	0.5	0.5	1.2	0.0	1.5	No
Block Group 4, Census Tract 20.01	660	92.1	0.6	1.1	0.2	3.9	0.0	2.1	No

Table H-3. Race and Ethnicity by Block Group, County and State (continued)

Geographic Area	Total Population	Percent of Total Population						Two or more races	Minority Population ?
		White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone		
Block Group 1, Census Tract 20.02	1,348	94.8	0.6	0.4	0.1	1.8	0.0	2.3	No
Block Group 5, Census Tract 20.02	964	93.6	1.5	0.5	0.2	2.0	0.0	2.3	No
Clark County	345,238	86.6	0.7	3.5	1.6	4.7	0.1	2.6	No
Block Group 1, Census Tract 401.01	1,606	94.7	0.9	0.6	0.6	1.7	0.1	1.4	No
Block Group 2, Census Tract 401.01	2,116	92.3	1.1	0.8	0.3	2.2	0.2	3.1	No
Block Group 1, Census Tract 401.02	1,048	94.2	0.3	1.0	0.5	2.5	0.0	1.6	No
Block Group 2, Census Tract 401.02	1,905	94.0	0.6	0.4	0.2	1.9	0.3	2.6	No
Block Group 1, Census Tract 402.01	2,471	92.4	0.3	0.8	0.1	4.5	0.2	1.7	No
Block Group 2, Census Tract 402.01	2,157	90.6	0.6	1.1	0.5	4.6	0.0	2.6	No
Block Group 1, Census Tract 402.02	1,507	93.3	0.7	1.3	0.3	2.2	0.2	2.0	No
Block Group 2, Census Tract 402.02	1,717	93.8	1.0	0.5	0.4	2.5	0.2	1.6	No
Block Group 3, Census Tract 402.03	1,660	93.1	0.4	1.2	0.0	3.1	0.4	1.7	No
Block Group 1, Census Tract 404.03	2,076	93.2	0.9	1.0	0.4	1.7	0.0	2.8	No
Block Group 2, Census Tract 404.03	1,629	93.0	0.7	1.2	0.8	1.4	0.0	3.0	No
Block Group 2, Census Tract 404.04	2,054	92.2	0.4	2.6	0.5	2.4	0.1	1.7	No
Block Group 1, Census Tract 405.04	2,027	91.3	0.6	0.8	4.1	2.4	0.0	0.8	No
Block Group 2, Census Tract 405.04	1,281	94.1	0.3	0.4	0.1	2.6	0.2	2.3	No
Block Group 3, Census Tract 405.04	819	95.0	1.5	1.1	0.0	1.2	0.0	1.2	No
Block Group 1, Census Tract 405.06	845	94.1	0.4	1.8	0.2	1.5	0.2	1.8	No
Block Group 2, Census Tract 405.06	1,861	94.3	0.7	0.6	0.1	2.6	0.1	1.6	No
Block Group 3, Census Tract 405.06	1,449	94.2	0.5	0.6	0.1	1.7	0.6	2.3	No
Block Group 4, Census Tract 406.03	1,160	94.3	0.2	2.0	0.2	1.8	0.0	1.6	No
Block Group 2, Census Tract 406.04	520	93.1	0.4	1.2	0.0	3.5	0.0	1.9	No
Block Group 1, Census Tract 406.05	1,526	95.6	0.5	0.3	0.0	2.6	0.0	1.0	No
Block Group 2, Census Tract 406.05	919	95.3	0.7	0.2	0.2	2.3	0.0	1.3	No

Table H-3. Race and Ethnicity by Block Group, County and State (continued)

Geographic Area	Total Population	Percent of Total Population						Two or more races	Minority Population ?
		White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone		
Block Group 1, Census Tract 406.06	836	89.0	0.7	4.9	1.6	3.0	0.1	0.7	No
Block Group 3, Census Tract 407.03	1,105	80.0	0.8	8.4	1.5	7.1	0.0	2.2	No
Block Group 4, Census Tract 407.03	1,098	83.8	0.9	6.7	1.9	4.6	0.0	2.1	No
Block Group 1, Census Tract 407.06	1,983	81.5	1.0	5.2	2.1	6.5	0.1	3.6	No
Block Group 2, Census Tract 408.03	1,921	94.1	0.2	2.1	0.6	1.8	0.0	1.2	No
Block Group 3, Census Tract 408.03	700	91.9	0.1	1.9	1.4	0.9	0.0	3.9	No
Block Group 2, Census Tract 408.04	2,823	89.3	0.4	3.5	1.3	3.5	0.1	1.8	No
Block Group 1, Census Tract 408.05	2,230	92.6	0.4	2.8	0.4	2.2	0.2	1.3	No
Block Group 1, Census Tract 410.02	1,488	86.4	1.1	1.4	3.4	4.6	0.3	2.8	No
Block Group 2, Census Tract 410.02	1,887	83.4	1.1	2.3	4.1	5.4	0.0	3.8	No
Block Group 3, Census Tract 410.02	1,792	86.5	1.7	2.5	1.8	4.4	0.2	2.8	No
Block Group 1, Census Tract 411.04	1,377	86.9	0.9	4.9	1.7	3.8	0.1	1.7	No
Block Group 2, Census Tract 411.04	1,183	83.6	0.7	4.0	3.0	4.7	0.5	3.5	No
Block Group 1, Census Tract 411.05	2,110	89.4	0.7	2.2	2.1	3.7	0.1	1.8	No
Block Group 3, Census Tract 411.05	839	90.0	1.1	3.5	0.2	2.3	0.4	2.6	No
Block Group 1, Census Tract 411.07	1,687	90.0	0.8	4.7	0.8	1.7	0.0	2.1	No
Block Group 2, Census Tract 413.12	1,260	87.3	0.7	2.7	2.6	4.4	0.2	2.1	No
Block Group 1, Census Tract 413.15	2,355	83.6	0.5	5.3	2.2	4.9	0.1	3.4	No
Block Group 2, Census Tract 413.15	3,558	86.5	0.7	6.5	0.7	2.5	0.1	3.0	No
Block Group 2, Census Tract 413.21	717	87.7	0.1	5.2	2.2	1.4	0.0	3.3	No
Block Group 3, Census Tract 414	1,913	91.4	0.5	1.6	0.7	2.7	0.0	3.1	No
Block Group 1, Census Tract 415	906	93.7	0.3	0.9	0.3	3.2	0.1	1.4	No
Block Group 2, Census Tract 415	722	89.3	0.0	0.6	1.5	5.8	0.0	2.8	No

Table H-3. Race and Ethnicity by Block Group, County and State (continued)

Geographic Area	Total Population	Percent of Total Population						Two or more races	Minority Population ?
		White	American Indian or Alaskan Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	Some other race alone		
Oregon State	3,421,399	83.5	1.2	3.1	1.6	8.0	0.1	2.4	No
Multnomah County	660,486	76.5	0.9	6.0	5.5	7.5	0.2	3.4	No
Block Group 1, Census Tract 102	2,927	85.3	1.2	4.3	1.6	4.0	0.5	3.1	No

Notes:
1. These data compiled as part of the 2000 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 or meaningfully greater than the state's minority percent.
Sources: U.S. Census Bureau. 2000. Census 2000 Summary File 1, Detailed Table P4. Accessed January 19, 2011. Available online at <http://factfinder.census.gov/>.

Table H-4. Low-Income Populations by Block Group, County and State¹

Geographic Area	Total Population	Median Household Income (\$)	Median Household Income (% of State Median)	Total Population below the Poverty Level	% of Population below the Poverty Level	Low-Income Population?²
Washington State	5,765,201	45,776	N/A	612,370	10.6	No
Cowlitz County	91,364	39,797	87	12,765	14.0	No
Block Group 1, Census Tract 9	687	27,625	60	108	15.7	No
Block Group 2, Census Tract 9	2,215	51,016	111	248	11.2	No
Block Group 3, Census Tract 9	1,277	45,714	100	82	6.4	No
Block Group 4, Census Tract 9	1,568	51,467	112	190	12.1	No
Block Group 1, Census Tract 12	935	44,271	97	41	4.4	No
Block Group 2, Census Tract 12	970	36,281	79	117	12.1	No
Block Group 3, Census Tract 12	1,201	56,208	123	161	13.4	No
Block Group 1, Census Tract 13	848	37,969	83	60	7.1	No
Block Group 2, Census Tract 13	1,033	37,738	82	152	14.7	No
Block Group 6, Census Tract 15	1,521	52,500	115	29	1.9	No
Block Group 7, Census Tract 15	714	33,889	74	137	19.2	No
Block Group 1, Census Tract 16	706	52,150	114	107	15.2	No
Block Group 1, Census Tract 17	535	46,250	101	67	12.5	No
Block Group 2, Census Tract 17	870	50,045	109	25	2.9	No
Block Group 3, Census Tract 17	525	54,107	118	6	1.1	No
Block Group 4, Census Tract 17	926	53,173	116	167	18.0	No
Block Group 5, Census Tract 17	1,779	54,864	120	65	3.7	No
Block Group 2, Census Tract 18	687	40,789	89	89	13.0	No
Block Group 4, Census Tract 19	1,551	52,768	115	120	7.7	No
Block Group 1, Census Tract 20.01	904	28,984	63	88	9.7	No

Table H-4. Low-Income Populations by Block Group, County and State¹(continued)

Geographic Area	Total Population	Median Household Income (\$)	Median Household Income (% of State Median)	Total Population below the Poverty Level	% of Population below the Poverty Level	Low-Income Population?²
Block Group 2, Census Tract 20.01	907	50,147	110	33	3.6	No
Block Group 3, Census Tract 20.01	900	43,333	95	58	6.4	No
Block Group 4, Census Tract 20.01	625	46,563	102	13	2.1	No
Block Group 1, Census Tract 20.02	1,293	44,063	96	16	1.2	No
Block Group 5, Census Tract 20.02	921	51,146	112	66	7.2	No
Clark County	341,464	48,376	106	31,027	9.1	No
Block Group 1, Census Tract 401.01	1,611	46,012	101	180	11.2	No
Block Group 2, Census Tract 401.01	2,096	45,452	99	211	10.1	No
Block Group 1, Census Tract 401.02	1,041	75,097	164	15	1.4	No
Block Group 2, Census Tract 401.02	1,902	48,077	105	144	7.6	No
Block Group 1, Census Tract 402.01	2,434	48,125	105	156	6.4	No
Block Group 2, Census Tract 402.01	2,148	52,355	114	99	4.6	No
Block Group 1, Census Tract 402.02	1,503	46,313	101	113	7.5	No
Block Group 2, Census Tract 402.02	1,683	55,446	121	135	8.0	No
Block Group 3, Census Tract 402.03	1,597	59,293	130	88	5.5	No
Block Group 1, Census Tract 404.03	1,994	64,931	142	37	1.9	No
Block Group 2, Census Tract 404.03	1,711	50,000	109	124	7.2	No
Block Group 2, Census Tract 404.04	2,168	68,260	149	5	0.2	No
Block Group 1, Census Tract 405.04	1,601	57,125	125	90	5.6	No
Block Group 2, Census Tract 405.04	1,330	61,375	134	52	3.9	No
Block Group 3, Census Tract 405.04	807	56,094	123	83	10.3	No
Block Group 1, Census Tract 405.06	891	93,128	203	0	0.0	No

Table H-4. Low-Income Populations by Block Group, County and State¹(continued)

Geographic Area	Total Population	Median Household Income (\$)	Median Household Income (% of State Median)	Total Population below the Poverty Level	% of Population below the Poverty Level	Low-Income Population? ²
Block Group 2, Census Tract 405.06	1,834	54,904	120	87	4.7	No
Block Group 3, Census Tract 405.06	1,458	56,563	124	7	0.5	No
Block Group 4, Census Tract 406.03	1,165	66,324	145	63	5.4	No
Block Group 2, Census Tract 406.04	512	44,875	98	0	0.0	No
Block Group 1, Census Tract 406.05	1,560	53,813	118	80	5.1	No
Block Group 2, Census Tract 406.05	899	62,188	136	31	3.4	No
Block Group 1, Census Tract 406.06	811	100,449	219	52	6.4	No
Block Group 3, Census Tract 407.03	1,091	50,380	110	49	4.5	No
Block Group 4, Census Tract 407.03	1,106	33,462	73	192	17.4	No
Block Group 1, Census Tract 407.06	1,973	38,415	84	243	12.3	No
Block Group 2, Census Tract 408.03	1,977	75,131	164	50	2.5	No
Block Group 3, Census Tract 408.03	700	63,438	139	8	1.1	No
Block Group 2, Census Tract 408.04	2,855	62,008	135	119	4.2	No
Block Group 1, Census Tract 408.05	2,283	75,817	166	42	1.8	No
Block Group 1, Census Tract 410.02	1,402	22,963	50	328	23.4	Yes
Block Group 2, Census Tract 410.02	1,927	39,817	87	199	10.3	No
Block Group 3, Census Tract 410.02	1,800	44,063	96	170	9.4	No
Block Group 1, Census Tract 411.04	1,308	48,156	105	132	10.1	No
Block Group 2, Census Tract 411.04	1,230	46,908	102	79	6.4	No
Block Group 1, Census Tract 411.05	2,098	44,255	97	299	14.3	No
Block Group 3, Census Tract 411.05	813	53,287	116	0	0.0	No
Block Group 1, Census Tract 411.07	1,763	64,333	141	37	2.1	No

Table H-4. Low-Income Populations by Block Group, County and State¹(continued)

Geographic Area	Total Population	Median Household Income (\$)	Median Household Income (% of State Median)	Total Population below the Poverty Level	% of Population below the Poverty Level	Low-Income Population?²
Block Group 2, Census Tract 413.12	1,231	37,788	83	218	17.7	No
Block Group 1, Census Tract 413.15	2,344	57,891	126	168	7.2	No
Block Group 2, Census Tract 413.15	3,505	62,159	136	411	11.7	No
Block Group 2, Census Tract 413.21	741	64,531	141	73	9.9	No
Block Group 3, Census Tract 414	1,870	50,000	109	131	7.0	No
Block Group 1, Census Tract 415	920	38,600	84	66	7.2	No
Block Group 2, Census Tract 415	696	40,536	89	119	17.1	No
Oregon State	3,347,667	40,916	N/A	388,740	11.6	No
Multnomah County	645,584	41,278	101	81,711	12.7	No
Block Group 1, Census Tract 102	2,902	54,875	134	344	11.9	No
<p>Notes:</p> <p>1. These data compiled as part of the 2000 Census are the most recent available data at the census block group level. The total population in this table is based on summary file 3, which is a sample of the population, and is less than the total population presented in Table 2-2.</p> <p>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.</p> <p>Sources: U.S. Census Bureau 2000: Census 2000 Summary File 3, Detailed Table P87, Accessed January 19, 2011, Available online at http://factfinder.census.gov/; U.S. Census Bureau 2000, Census 2000 Summary File 3, Detailed Table P53, Accessed January 19, 2011, Available online at http://factfinder.census.gov/;</p>						

Table H-5. Minority and Low-Income Populations, by Action Alternative

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Washington	--	--	--	No	No
Cowlitz County	--	--	--	No	No
Census Tract 09, Block Group 1	West Alternative, Central Option 2 (+), Crossover Alternative	West Alternative, Central Option 2 (+), Crossover Alternative	West Alternative, Central Option 2 (+), Crossover Alternative	No	No
Census Tract 09, Block Group 2	West Alternative, Central Option 2 (+), Crossover Alternative	West Alternative, Central Option 2 (+), Crossover Alternative	West Alternative, Central Option 2 (+), Crossover Alternative	No	No
Census Tract 09, Block Group 3	Central Option 2 (+)	--	--	No	No
Census Tract 09, Block Group 4	Central Option 2 (+)	West Alternative, Central Option 2 (+), Crossover Alternative	Central Option 2 (+)	No	No
Census Tract 12, Block Group 1	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	No	No
Census Tract 12, Block Group 2	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	No	No
Census Tract 12, Block Group 3	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	No	No
Census Tract 13, Block Group 1	West Alternative, Central Option 2 (+), East Option 1 (+), Crossover Alternative	West Alternative, Central Option 2 (+), East Option 1 (+), Crossover Alternative	West Alternative, Central Option 2 (+), East Option 1 (+), Crossover Alternative	No	No
Census Tract 13, Block Group 2	West Alternative, Central Option 2 (+), Crossover Alternative	West Alternative, Central Option 2 (+), Crossover Alternative	--	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 15, Block Group 6	West Alternative, Central Alternative, Central Option 3 (N/C), Crossover Alternative	West Alternative, Central Alternative, Crossover Alternative	West Alternative, Central Alternative, Central Option 3 (N/C), Crossover Alternative	No	No
Census Tract 15, Block Group 7	East Alternative	East Alternative	East Alternative	No	No
Census Tract 16, Block Group 1	--	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	No	No
Census Tract 17, Block Group 1	East Option 1 (+)	East Option 1 (+)	East Option 1 (+)	No	No
Census Tract 17, Block Group 2	Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C)	Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C)	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (N/C)	No	No
Census Tract 17, Block Group 3	Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C)	Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C)	Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C)	No	No
Census Tract 17, Block Group 4	West Alternative, Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C), Crossover Alternative	West Alternative, Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C), Crossover Alternative	West Alternative, Central Alternative, Central Option 2 (N/C), East Alternative, East Option 1 (N/C), Crossover Alternative	No	No
Census Tract 17, Block Group 5	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	West Alternative, Crossover Alternative	No	No
Census Tract 18, Block Group 2	East Alternative	East Alternative	East Alternative	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 19, Block Group 4	West Alternative, Central Option 2 (+), East Option 1 (+), Crossover Alternative, Crossover Option 2 (N/C), Crossover Option 3 (N/C)	West Alternative, Central Option 2 (+), East Option 1 (+), Crossover Alternative, Crossover Option 2 (N/C), Crossover Option 3 (N/C)	West Alternative, Central Option 2 (+), East Option 1 (+), Crossover Alternative, Crossover Option 2 (N/C), Crossover Option 3 (N/C)	No	No
Census Tract 20.01, Block Group 1	Central Alternative, Central Option 1 (N/C), Central Option 2 (-), East Alternative, East Option 1 (-), Crossover Option 2 (+), Crossover Option 3 (+)	Central Alternative, Central Option 1 (N/C), Central Option 2 (-), East Alternative, East Option 1 (-), Crossover Option 2 (+), Crossover Option 3 (+)	Central Alternative, Central Option 1 (N/C), Central Option 2 (-), East Alternative, East Option 1 (-), Crossover Option 2 (+), Crossover Option 3 (+)	No	No
Census Tract 20.01, Block Group 2	Central Alternative, Central Option 1 (N/C), Central Option 2 (-), East Alternative, East Option 1 (-), Crossover Option 2 (+), Crossover Option 3 (+)	Central Alternative, Central Option 1 (N/C), Central Option 2 (-), East Alternative, East Option 1 (-), Crossover Option 2 (+), Crossover Option 3 (+)	Central Alternative, Central Option 1 (N/C), Central Option 2 (-), East Alternative, East Option 1 (-), Crossover Option 2 (+), Crossover Option 3 (+)	No	No
Census Tract 20.01, Block Group 3	East Option 1 (+)	East Option 1 (+)	East Option 1 (+)	No	No
Census Tract 20.01, Block Group 4	East Option 1 (+), Crossover Option 2 (+), Crossover Option 3 (+)	West Alternative, East Option 1 (+), Crossover Alternative, Crossover Option 2 (N/C), Crossover Option 3 (N/C)	East Option 1 (+), Crossover Option 2 (+), Crossover Option 3 (+)	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 20.02, Block Group 1	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (-)	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (-)	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (-)	No	No
Census Tract 20.02, Block Group 5	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (-)	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (-)	Central Alternative, Central Option 2 (-), East Alternative, East Option 1 (-)	No	No
Clark County	--	--	--	No	No
Census Tract 401.01, Block Group 1	Central Alternative, Central Option 3 (N/C), Crossover Alternative	Central Alternative, Central Option 3 (N/C), East Alternative, Crossover Alternative	Central Alternative, Central Option 3 (N/C), Crossover Alternative	No	No
Census Tract 401.01, Block Group 2	Central Alternative, Central Option 3 (-), East Alternative, East Option 2 (N/C), Crossover Alternative	Central Alternative, Central Option 3 (-), East Alternative, East Option 2 (N/C), Crossover Alternative	Central Alternative, Central Option 3 (-), East Alternative, East Option 2 (N/C), Crossover Alternative	No	No
Census Tract 401.02, Block Group 1	Central Option 3 (+)	--	Central Option 3 (+)	No	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	No
Census Tract 402.01, Block Group 2	West Alternative	--	West Alternative	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 402.02, Block Group 1	West Alternative, Central Alternative, Central Option 3 (N/C), Crossover Alternative	Central Option 3 (+)	West Alternative, Central Alternative, Central Option 3 (N/C), Crossover 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
Census Tract 404.03, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 404.03, Block Group 2	West Alternative	--	West Alternative	No	No
Census Tract 404.04, Block Group 2	West Alternative	West Alternative	West Alternative	No	No
Census Tract 405.04, Block Group 1	Central Alternative, Central Option 3 (N/C), East Alternative, East Option 2 (N/C), Crossover Alternative	Central Alternative, Central Option 3 (N/C), East Alternative, East Option 2 (N/C), Crossover Alternative	Central Alternative, Central Option 3 (N/C), East Alternative, East Option 2 (N/C), Crossover Alternative	No	No
Census Tract 405.04, Block Group 2	Central Alternative, Central Option 3 (N/C), East Option 2 (+)	Central Alternative, Central Option 3 (N/C), East Option 2 (+)	Central Alternative, Central Option 3 (N/C), 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	No
Census Tract 405.06, Block Group 1	West Option 3 (+), Central Alternative, East Alternative, East Option 2 (N/C), East Option 3 (N/C), Crossover Alternative	West Option 3 (+), Central Alternative, East Alternative, East Option 2 (N/C), East Option 3 (N/C), Crossover Alternative	Central Alternative, East Alternative, East Option 2 (N/C), East Option 3 (N/C), Crossover Alternative	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 405.06, Block Group 2	West Option 2 (+), West Option 3 (+), Central Alternative, East Alternative, East Option 2 (N/C), East Option 3 (N/C), Crossover Alternative, Crossover Option 1 (N/C)	West Option 2 (+), West Option 3 (+), Central Alternative, East Alternative, East Option 2 (N/C), East Option 3 (N/C), Crossover Alternative, Crossover Option 1 (N/C)	West Option 2 (+), West Option 3 (+), Central Alternative, East Alternative, East Option 2 (N/C), East Option 3 (N/C), Crossover Alternative, Crossover Option 1 (N/C)	No	No
Census Tract 405.06, Block Group 3	West Alternative, West Option 2 (N/C), West Option 3 (N/C), Central Alternative, East Alternative, Crossover Alternative, Crossover Option 1 (N/C)	West Alternative, West Option 2 (N/C), West Option 3 (N/C), Central Alternative, East Alternative, Crossover Alternative, Crossover Option 1 (N/C)	West Alternative, West Option 2 (N/C), West Option 3 (N/C), Central Alternative, East Alternative, Crossover Alternative, Crossover Option 1 (N/C)	No	No
Census Tract 406.03, Block Group 4	West Option 2 (+), West Option 3 (+), Crossover Option 1 (+)	West Option 3 (+)	West Option 2 (+), West Option 3 (+), Crossover Option 1 (+)	No	No
Census Tract 406.04, Block Group 2	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (N/C)	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (N/C)	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (N/C)	No	No
Census Tract 406.05, Block Group 1	West Alternative, West Option 2 (N/C), West Option 3 (N/C), Central Alternative, East Alternative, Crossover Alternative, Crossover Option 1 (N/C)	West Alternative, West Option 2 (N/C), West Option 3 (N/C), Central Alternative, East Alternative, Crossover Alternative, Crossover Option 1 (N/C)	West Alternative, West Option 2 (N/C), West Option 3 (N/C), Central Alternative, East Alternative, Crossover Alternative, Crossover Option 1 (N/C)	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 406.05, Block Group 2	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (-), Crossover Option 1 (+)	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (-), Crossover Option 1 (+)	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (-), Crossover Option 1 (+)	No	No
Census Tract 406.06, 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	No	No
Census Tract 407.03, Block Group 4	West Alternative	--	West Alternative	No	No
Census Tract 407.06, Block Group 1	West Alternative	--	West Alternative	No	No
Census Tract 408.03, Block Group 2	West Alternative	--	West Alternative	No	No
Census Tract 408.03, Block Group 3	West Alternative	--	West Alternative	No	No
Census Tract 408.04, Block Group 2	West Alternative	West Alternative	West Alternative	No	No
Census Tract 408.05, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 410.02, Block Group 1	West Alternative	West Alternative	West Alternative	No	Yes
Census Tract 410.02, Block Group 2	West Alternative	West Alternative	West Alternative	No	No
Census Tract 410.02, Block Group 3	West Alternative	West Alternative	West Alternative	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 411.04, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 411.04, Block Group 2	West Alternative	--	West Alternative	No	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	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	No
Census Tract 413.15, Block Group 1	West Alternative	West Alternative	West Alternative	No	No
Census Tract 413.15, Block Group 2	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (N/C),	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (N/C)	West Option 1 (N/C), West Alternative, West Option 2 (N/C), West Option 3 (N/C)	No	No
Census Tract 413.21, Block Group 2	West Option 1 (+)	--	West Option 1 (+)	No	No
Census Tract 414, Block Group 3	West Alternative, Central Alternative, East Alternative, Crossover Alternative	West Alternative, Central Alternative, East Alternative, Crossover Alternative	West Alternative, Central Alternative, East Alternative, Crossover Alternative	No	No

Table H-5. Minority and Low-Income Populations, by Action Alternative (continued)

Geographic Area	Alternatives and Options			Minority Population ¹	Low-Income Population ¹
	150-foot Right-of-Way/ Substation Disturbance Area	Improved Access Roads	New Access Roads		
Census Tract 415, Block Group 1	West Alternative, Central Alternative, East Alternative, Crossover Alternative	West Alternative, Central Alternative, East Alternative, Crossover Alternative	West Alternative, Central Alternative, East Alternative, Crossover Alternative	No	No
Census Tract 415, Block Group 2	West Alternative, Central Alternative, East Alternative, Crossover Alternative	--	West Alternative, Central Alternative, East Alternative, Crossover Alternative	No	No
Oregon	--	--	--	No	No
Multnomah County	--	--	--	No	No
Census Tract 102, Block Group 1	West Alternative, Central Alternative, East Alternative, Crossover Alternative	--	West Alternative, Central Alternative, East Alternative, Crossover Alternative	No	No
<p>Notes: N/C – No change from the action alternative. (+) – this block group is crossed by the option but not the alternative. (-) – this block group is crossed by the alternative but not the option. 1. The minority and low-income population data and analysis are in Tables 2-2 and 2-3. Sources: U.S. Census Block Groups Boundary (Environmental Systems Research Institute, Inc. (ESRI); U.S. Census Bureau 2000: Census 2000 Summary File 3, Detailed Table P87, Accessed January 19, 2011, Available online at http://factfinder.census.gov/; U.S. Census Bureau 2000, Census 2000 Summary File 3, Detailed Table P53, Accessed January 19, 2011, Available online at http://factfinder.census.gov/;</p>					

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