
National Capital Region Transportation Planning Board

Metropolitan Washington Council of Governments
777 North Capitol Street, N.E., Suite 300, Washington, D.C. 20002-4290

Memorandum

Date: April 3, 2013

To: Ron Milone

From: Hamid Humeida

Re: Developing land use input files for the Version 2.3 Travel Model using **Round 8.2** Cooperative Forecasts, the CTPP-based employment adjustment factors, and linear interpolation

Before land use data can be used as an input to the travel model, it must undergo a factoring process, known as the CTPP-based¹ employment adjustment, to ensure that a consistent employment definition is used by all counties in the modeled area. As noted by Griffiths in a memo dated 8/10/05:²

Jurisdictions in the Baltimore region and several other Maryland jurisdictions use BEA-based employment data to develop their base year employment estimates and jurisdictions in the Washington region mostly used ESA-202 and decennial Census data to develop their base year employment estimates. Also, "Outer Ring" jurisdictions in Virginia and West Virginia do not include self-employed workers in their definition of employment, but most COG jurisdictions do include self-employed workers in their employment definition (p. 1).

This memo describes the process used to develop land use input files for the Version 2.3 Travel Model on the 3,722-TAZ area system for the years 2005-2040, using the Round **8.2** Cooperative Forecasts, the CTPP-based employment adjustment factors, and linear interpolation. Note that while 2005 data is provided in the dataset, 2010 is the base year for Round 8.2 forecasts. This memo and the associated data files can be found on the LAN (I:\ateam\mod_inputs\lu\Rnd82_taz3722). The three-part process is flowcharted in Figure 1 on page 6, and described below.

1 Part 1: create_zone_inputs_unadjusted.s

The process begins with two files, one containing the zonal Round 8.2 Cooperative Forecasts (rd82_tpb3722.txt) and another containing zonal data that remains constant through time (zone.dbf). The first file is documented in a 3/14/13 memo³ provided by COG's Department of Community Planning and Services. Round 8.2 is the version of the Cooperative Forecasts that will be used in the upcoming Air Quality Conformity Analysis. The file contains the zone-level Round 8.2 land activity forecasts for the years 2005 through 2040 in five-year increments. 2010 was the base year for the Cooperative Forecasts,

¹ CTPP: Census Transportation Planning Package/Products.

² Robert E. Griffiths to Ronald Milone, "Travel Model Employment Data Adjustment Factors for Round 7.0," Memorandum, August 10, 2005.

³ Paul DesJardin to Elena Constantine et al., "Corrected Round 8.2 Cooperative Forecast TAZ File," Memorandum, March 14, 2013.

but year-2005 data was also included in the file. Note that there was a slight change in the values of the year-2005 data for Round 8.2, compared to both Rounds 8.0 and 8.1. The original CSV file can be found on the S drive (S:\zteam\coop5\rd82_tpb3722.csv). The rd82_tpb3722.csv file contains the following 68 household, population, and employment variables:

JURIS, TPB3722, FIPSSTCO, JURNAME, HHS05, POP05, GQS05, TEMP05, IND05, RET05, OFF05, OTH05, HHS10, POP10, GQS10, TEMP10, IND10, RET10, OFF10, OTH10, HHS15, POP15, GQS15, TEMP15, IND15, RET15, OFF15, OTH15, HHS20, POP20, GQS20, TEMP20, IND20, RET20, OFF20, OTH20, HHS25, POP25, GQS25, TEMP25, IND25, RET25, OFF25, OTH25, HHS30, POP30, GQS30, TEMP30, IND30, RET30, OFF30, OTH30, HHS35, POP35, GQS35, TEMP35, IND35, RET35, OFF35, OTH35, HHS40, POP40, GQS40, TEMP40, IND40, RET40, OFF40, OTH40

The file contains 3,670 records. Since the first record is a header with variable names, the number of data records is 3,669. According to recent documentation, the 3,722-TAZ area system for the TPB TAZ system has zone numbers ranging from 1 to 3,722. The maximum internal zone number is 3675, with the following intentionally unused zones:⁴

61, 382, 770, 777, 2555, 2629, 3103, 3266, 3267, 3478, 3482, 3495, 3544

Control totals of the first input file (rd82_tpb3722.csv) are shown in Table 1.

Table 1 Control Totals of rd82_tpb3722.csv

	2005	2010	2015	2020	2025	2030	2035	2040
HHS	2,343,272	2,469,621	2,644,914	2,805,529	2,966,221	3,104,489	3,227,457	3,337,628
HHPOP	6,120,493	6,503,742	6,898,251	7,260,290	7,628,716	7,948,018	8,229,729	8,485,267
GQS	137,743	136,769	144,879	148,082	154,438	159,202	163,323	168,264
TEMP	3,715,311	3,960,802	4,219,380	4,550,766	4,845,288	5,111,446	5,340,722	5,570,237
IND	531,919	554,498	590,739	631,121	665,470	703,157	739,897	763,779
RET	680,854	707,447	749,598	800,673	843,074	883,199	927,194	973,839
OFF	1,734,412	1,907,721	2,047,453	2,235,244	2,416,117	2,569,440	2,680,018	2,801,036
OTH	768,126	791,136	831,590	883,728	920,627	955,650	993,613	1,031,583

The second input file is a pre-existing zonal data file that contains variables required by the travel model that do not change from year to year, specifically:

- the gross land area in square miles (landarea),
- the ratio of zonal HH median income to regional median HH income (hhincidx),
- the airline distance to the nearest external station, in whole miles (adisttox),
- the X and Y coordinates (Maryland State Plane, NAD 1983, whole feet).

2 Part 2: Rnd8.2_Adj.s

The second step in the three-step process is applied by the Cube Voyager script Rnd8.2_Adj.s. This script will read the eight DBF files produced by the previous script, apply the CTPP-based employment adjustments (See Table 2), and then write out the eight adjusted files.

⁴ Ronald Milone et al., *Calibration Report for the TPB Travel Forecasting Model, Version 2.3, on the 3,722-Zone Area System*, Final Report (Washington, D.C.: National Capital Region Transportation Planning Board, January 20, 2012), <http://www.mwcog.org/transportation/activities/models/documentation.asp>, page 1-7.

Summary tables showing employment totals over time, for both before and after the CTPP-based employment adjustment, are shown in Appendix A. The “before” case represents the Round 8.2 Cooperative Forecasts. The “after” case includes the adjustment, meaning that there is a consistent definition of employment across all jurisdictions in the modeled area. This latter case is what is input to the travel model.

Table 2 Year-2000 CTPP-based employment adjustments

Juris	CTPP-Based Employment Factor
dc	1.000000
mtg	
pg	
arl	
alx	
ffx	
ldn	
pw	
frd	
how	0.844375
aa	0.853219
chs	1.000788
car	0.802331
cal	0.998598
stm	0.939573
kg	1.000000
fbg	
sta	
spt	
fau	1.224679
clk	1.343964
jef	1.254410

3 Part 3: Interpolate_Rnd82_LU.s

This program will read in a set of land-use files for years that are divisible by five (e.g., 2005, 2010, 2015, etc.), interpolate the land-use data for each intervening year, and then write out the land-use files for the intervening years. It outputs DBF land use files (with the CTPP employment adjustment) for the years 2006-2009, 2011-2014, 2016-2019, 2021-2024, 2026-2029, 2031-2034, 2036-2039. It also outputs a text file (INTERPOLATE_Rnd81_LU.txt) that contains land-activity control totals for all years (intervening and those divisible by five). The values in the text file can be found in Table 3.

Table 3 Round 8.2 land activity totals for the modeled area, after the CTPP-employment adjustment, by year

Year	HH	HHPOP	GQPop	TotPop	TotEMP	OffEMP	RetEMP	IndEMP	OthEMP
2005	2,343,272	6,120,493	137,743	6,258,236	3,632,272	1,711,061	669,537	507,822	743,852
2006	2,368,535	6,197,128	137,542	6,334,689	3,679,999	1,745,309	674,664	511,920	748,083
2007	2,393,796	6,273,783	137,351	6,411,161	3,727,645	1,779,539	679,779	516,029	752,295
2008	2,419,097	6,350,452	137,161	6,487,586	3,775,322	1,813,882	684,916	520,042	756,485
2009	2,444,358	6,427,107	136,970	6,564,058	3,822,968	1,848,112	690,031	524,151	760,697
2010	2,469,621	6,503,742	136,769	6,640,511	3,870,695	1,882,360	695,158	528,249	764,928
2011	2,504,636	6,582,638	138,355	6,721,038	3,921,052	1,909,884	703,375	535,069	772,550
2012	2,539,690	6,661,541	139,999	6,801,551	3,971,444	1,937,465	711,652	541,943	780,283
2013	2,574,845	6,740,452	141,649	6,882,090	4,021,931	1,965,112	719,933	548,882	788,105
2014	2,609,899	6,819,355	143,293	6,962,603	4,072,323	1,992,693	728,210	555,756	795,838
2015	2,644,914	6,898,251	144,879	7,043,130	4,122,680	2,020,217	736,427	562,576	803,460
2016	2,677,033	6,970,655	145,496	7,116,162	4,187,780	2,057,402	746,495	570,272	813,443
2017	2,709,174	7,043,050	146,131	7,189,210	4,252,949	2,094,617	756,618	577,994	823,509
2018	2,741,269	7,115,491	146,830	7,262,292	4,318,191	2,131,925	766,884	585,799	833,794
2019	2,773,410	7,187,886	147,465	7,335,340	4,383,360	2,169,140	777,007	593,521	843,860
2020	2,805,529	7,260,290	148,082	7,408,372	4,448,460	2,206,325	787,075	601,217	853,843
2021	2,837,701	7,334,003	149,323	7,483,362	4,506,343	2,242,171	795,410	607,712	860,831
2022	2,869,816	7,407,661	150,586	7,558,281	4,564,200	2,278,011	803,812	614,263	867,890
2023	2,901,934	7,481,345	151,934	7,633,245	4,622,126	2,313,998	812,318	620,942	875,092
2024	2,934,049	7,555,003	153,197	7,708,164	4,679,983	2,349,838	820,720	627,493	882,151
2025	2,966,221	7,628,716	154,438	7,783,154	4,737,866	2,385,684	829,055	633,988	889,139
2026	2,993,908	7,692,608	155,352	7,847,985	4,790,275	2,416,087	836,927	641,228	895,842
2027	3,021,586	7,756,450	156,289	7,912,793	4,842,713	2,446,549	844,845	648,547	902,609
2028	3,049,124	7,820,284	157,351	7,977,581	4,895,163	2,477,052	852,848	655,939	909,487
2029	3,076,802	7,884,126	158,288	8,042,389	4,947,601	2,507,514	860,766	663,258	916,254
2030	3,104,489	7,948,018	159,202	8,107,220	5,000,010	2,537,917	868,638	670,498	922,957
2031	3,129,069	8,004,398	159,992	8,164,426	5,045,282	2,559,842	877,327	677,614	930,311
2032	3,153,660	8,060,733	160,811	8,221,574	5,090,612	2,581,808	886,075	684,819	937,722
2033	3,178,286	8,117,014	161,714	8,278,698	5,136,030	2,603,850	895,013	692,065	945,290
2034	3,202,877	8,173,349	162,533	8,335,846	5,181,360	2,625,816	903,761	699,270	952,701
2035	3,227,457	8,229,729	163,323	8,393,052	5,226,632	2,647,741	912,450	706,386	960,055
2036	3,249,489	8,280,892	164,273	8,445,218	5,272,365	2,671,866	921,758	711,021	967,520
2037	3,271,510	8,331,986	165,250	8,497,290	5,318,115	2,696,041	931,086	715,778	975,090
2038	3,293,575	8,383,010	166,337	8,549,293	5,363,988	2,720,261	940,548	720,595	982,704
2039	3,315,596	8,434,104	167,314	8,601,365	5,409,738	2,744,436	949,876	725,352	990,274
2040	3,337,628	8,485,267	168,264	8,653,531	5,455,471	2,768,561	959,184	729,987	997,739

Ref: I:\ateam\mod_inputs\lu\Rnd82_taz3722\Documentation\rd82_tpb3722.xls

4 Jurisdictional Land Use Comparison

A series of jurisdictional land use comparisons are provided in Appendix B. Jurisdictional land use differences between Round 8.1 and Round 8.2 in Tables B-1 to B-4. The comparison indicates that there is no difference between the two rounds in 13 out of 20 jurisdictions, including DC and most of Maryland jurisdictions and Loudoun County. Round 8.2 employment forecasts for Montgomery and Fairfax counties have declined relative to the Round 8.1 forecasts. Notice that Fairfax County has one of the largest increases in household population (and household size, though this is not directly shown in

the table), compared to the other jurisdictions. For example, in 2010, the HHPOP for Fairfax Co. increased by over 27,000 (Round 8.2 vs. 8.1).

Jurisdictional land use differences over time reflected in the Round 8.2 Cooperative Forecasts are shown in Tables B-5 to B-8. Table B-5 presents land use changes between 2005 and 2010, while Tables B-6 to B-8, present land use changes between 2040 and three selected years (2010, 2020, & 2030).

Working folder: I:\ateam\mod_inputs\lu\Rnd82_taz3722

Date: 3/21/2013

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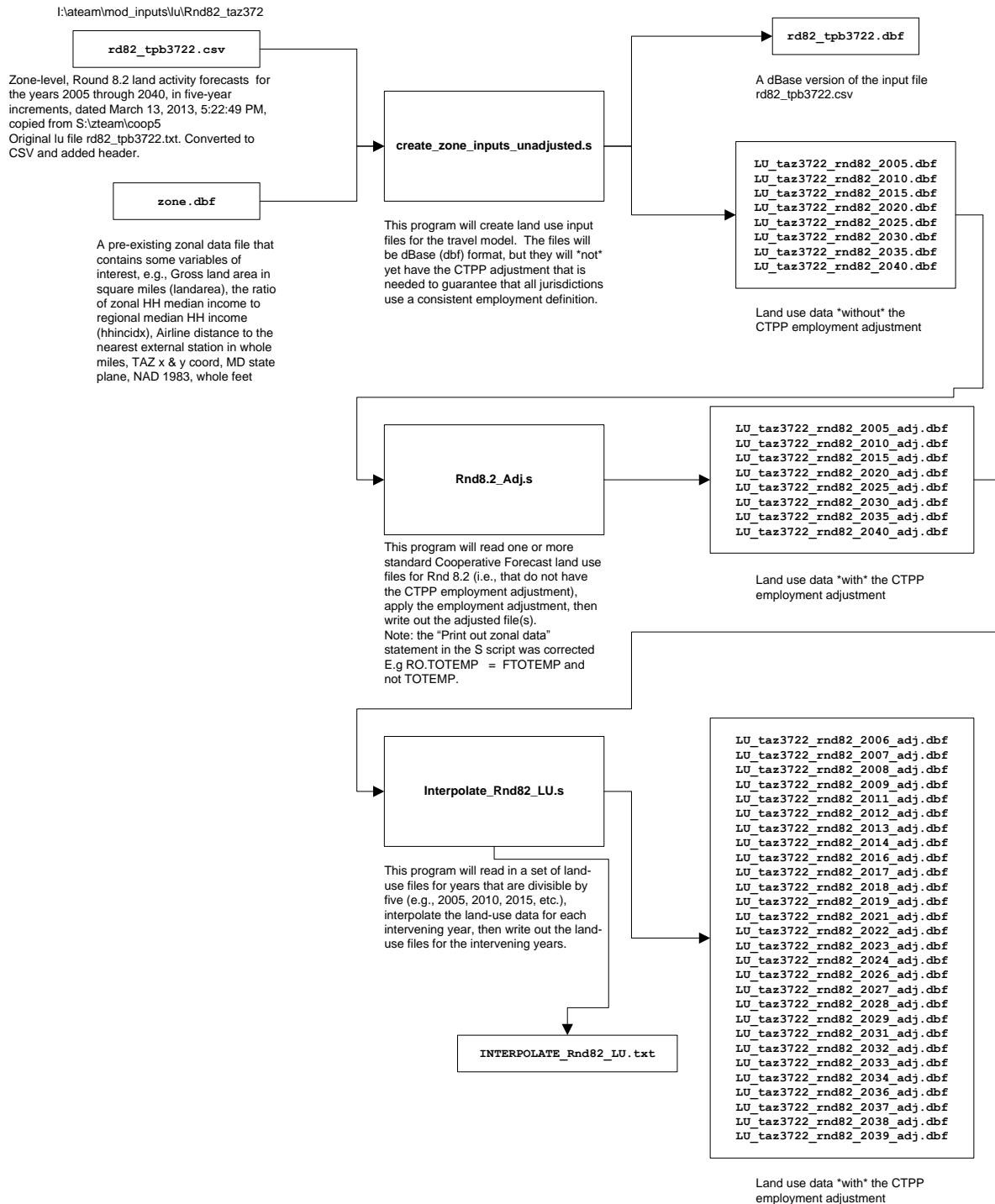


Figure 1 Developing land use input files for the Version 2.3 travel model on the 3,722-TAZ area for years 2005-2040

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Appendix A. Employment forecasts: Before and after the CTPP-based employment adjustment

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Round 8.2 Cooperative Forecasts

2005		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	431,388	81,734	60,997	176,126	750,245	431,388	81,734	60,997	176,126	750,245
2	Montgomery Co., Md.	254,477	87,796	46,680	111,047	500,000	254,477	87,796	46,680	111,047	500,000
3	Prince George's Co., Md.	82,656	80,854	55,683	128,692	347,885	82,656	80,854	55,683	128,692	347,885
4	Arlington Co., Va.	101,305	36,266	22,538	35,049	195,158	101,305	36,266	22,538	35,049	195,158
5	City of Alexandria, Va.	55,822	26,947	7,471	15,510	105,750	55,822	26,947	7,471	15,510	105,750
6	Fairfax Co., Va.	431,021	113,625	61,935	32,750	639,331	431,021	113,625	61,935	32,750	639,331
7	Loudoun Co., Va.	40,774	26,507	25,410	32,903	125,594	40,774	26,507	25,410	32,903	125,594
8	Prince William Co., Va.	55,520	42,806	27,480	13,623	139,429	55,520	42,806	27,480	13,623	139,429
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	22,368	15,773	7,271	11,773	57,185	22,368	15,773	7,271	11,773	57,185
11	Howard Co., Md.	51,087	23,547	51,087	51,079	176,800	43,137	19,882	43,137	43,129	149,285
12	Anne Arundel Co., Md.	86,357	59,379	86,342	86,357	318,435	73,678	50,661	73,667	73,678	271,684
13	Charles Co., Md.	22,875	19,342	9,482	6,853	58,552	22,888	19,351	9,484	6,854	58,577
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	20,795	13,928	20,788	20,795	76,306	16,684	11,173	16,676	16,684	61,217
16	Calvert Co., Md.	13,268	8,693	6,679	3,791	32,431	13,257	8,685	6,675	3,788	32,405
17	St. Mary's Co., Md.	25,429	12,218	9,879	10,126	57,652	23,891	11,478	9,281	9,511	54,161
18	King George Co., Va.	2,068	501	2,068	2,068	6,705	2,068	501	2,068	2,068	6,705
19	City of Fredericksburg, Va.	7,086	4,190	7,086	7,086	25,448	7,086	4,190	7,086	7,086	25,448
20	Stafford Co., Va.	10,644	3,647	10,644	10,644	35,579	10,644	3,647	10,644	10,644	35,579
21	Spotsylvania Co., Va.	7,506	5,097	7,506	7,506	27,615	7,506	5,097	7,506	7,506	27,615
22	Fauquier Co., Va.	5,664	11,113	967	1,977	19,721	6,937	13,612	1,183	2,419	24,151
23	Clarke Co., Va.	564	3,458	266	434	4,722	758	4,646	357	582	6,343
24	Jefferson Co., WV.	5,738	3,433	3,660	1,937	14,768	7,196	4,306	4,593	2,430	18,525
		1,734,412	680,854	531,919	768,126	3,715,311	1,711,061	669,537	507,822	743,852	3,632,272
2010		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	452,256	86,837	63,952	180,415	783,460	452,256	86,837	63,952	180,415	783,460
2	Montgomery Co., Md.	291,741	77,007	46,255	95,274	510,277	291,741	77,007	46,255	95,274	510,277
3	Prince George's Co., Md.	78,138	80,718	54,114	129,618	342,588	78,138	80,718	54,114	129,618	342,588
4	Arlington Co., Va.	149,163	30,898	7,854	35,349	223,264	149,163	30,898	7,854	35,349	223,264
5	City of Alexandria, Va.	56,518	23,118	7,751	15,508	102,895	56,518	23,118	7,751	15,508	102,895
6	Fairfax Co., Va.	444,619	114,917	62,573	32,550	654,659	444,619	114,917	62,573	32,550	654,659
7	Loudoun Co., Va.	49,501	34,112	27,319	34,360	145,292	49,501	34,112	27,319	34,360	145,292
8	Prince William Co., Va.	58,147	45,157	27,281	12,994	143,579	58,147	45,157	27,281	12,994	143,579
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	37,527	28,148	13,070	19,950	98,695	37,527	28,148	13,070	19,950	98,695
11	Howard Co., Md.	56,571	25,673	56,587	56,571	195,402	47,766	21,674	47,786	47,766	164,992
12	Anne Arundel Co., Md.	91,899	63,317	91,897	91,899	339,012	78,409	54,021	78,407	78,409	289,246
13	Charles Co., Md.	24,424	20,638	9,769	7,368	62,199	24,437	20,650	9,771	7,369	62,227
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	23,050	15,117	23,038	23,050	84,255	18,495	12,126	18,483	18,495	67,599
16	Calvert Co., Md.	14,535	9,392	7,092	4,181	35,200	14,519	9,383	7,087	4,178	35,167
17	St. Mary's Co., Md.	28,025	14,030	12,139	8,800	62,994	26,331	13,176	11,406	8,271	59,184
18	King George Co., Va.	4,914	1,491	4,914	4,914	16,233	4,914	1,491	4,914	4,914	16,233
19	City of Fredericksburg, Va.	9,204	3,880	9,204	9,204	31,492	9,204	3,880	9,204	9,204	31,492
20	Stafford Co., Va.	13,775	5,339	13,775	13,775	46,664	13,775	5,339	13,775	13,775	46,664
21	Spotsylvania Co., Va.	10,627	8,212	10,627	10,627	40,093	10,627	8,212	10,627	10,627	40,093
22	Fauquier Co., Va.	6,389	12,638	1,097	2,247	22,371	7,825	15,476	1,342	2,754	27,397
23	Clarke Co., Va.	506	3,105	239	391	4,241	680	4,172	321	524	5,697
24	Jefferson Co., WV.	6,192	3,703	3,951	2,091	15,937	7,768	4,646	4,957	2,624	19,995
SUM		1,907,721	707,447	554,498	791,136	3,960,802	1,882,360	695,158	528,249	764,928	3,870,695

Round 8.2 Cooperative Forecasts

2015		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	465,590	90,667	69,151	187,539	812,947	465,590	90,667	69,151	187,539	812,947
2	Montgomery Co., Md.	306,766	81,016	47,478	96,733	531,993	306,766	81,016	47,478	96,733	531,993
3	Prince George's Co., Md.	82,597	84,473	55,494	134,394	356,958	82,597	84,473	55,494	134,394	356,958
4	Arlington Co., Va.	170,113	32,842	7,941	36,564	247,460	170,113	32,842	7,941	36,564	247,460
5	City of Alexandria, Va.	63,794	23,045	7,718	15,691	110,248	63,794	23,045	7,718	15,691	110,248
6	Fairfax Co., Va.	482,198	117,512	63,796	33,744	697,250	482,198	117,512	63,796	33,744	697,250
7	Loudoun Co., Va.	55,389	36,969	31,996	38,418	162,772	55,389	36,969	31,996	38,418	162,772
8	Prince William Co., Va.	67,746	52,716	29,229	13,732	163,423	67,746	52,716	29,229	13,732	163,423
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	37,719	28,319	13,156	20,192	99,386	37,719	28,319	13,156	20,192	99,386
11	Howard Co., Md.	62,326	27,529	62,346	62,326	214,527	52,627	23,243	52,646	52,627	181,143
12	Anne Arundel Co., Md.	98,233	68,471	98,224	98,233	363,161	83,813	58,420	83,807	83,813	309,853
13	Charles Co., Md.	26,892	22,750	10,677	8,086	68,405	26,908	22,765	10,679	8,087	68,439
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	23,727	15,577	23,736	23,727	86,767	19,038	12,499	19,044	19,038	69,619
16	Calvert Co., Md.	17,119	10,753	8,352	4,873	41,097	17,100	10,744	8,345	4,870	41,059
17	St. Mary's Co., Md.	30,424	15,338	12,957	9,483	68,202	28,586	14,408	12,176	8,913	64,083
18	King George Co., Va.	5,381	1,661	5,381	5,381	17,804	5,381	1,661	5,381	5,381	17,804
19	City of Fredericksburg, Va.	10,431	4,293	10,431	10,431	35,586	10,431	4,293	10,431	10,431	35,586
20	Stafford Co., Va.	15,489	6,214	15,489	15,489	52,681	15,489	6,214	15,489	15,489	52,681
21	Spotsylvania Co., Va.	11,492	8,697	11,492	11,492	43,173	11,492	8,697	11,492	11,492	43,173
22	Fauquier Co., Va.	6,802	13,532	1,173	2,395	23,902	8,330	16,575	1,433	2,932	29,270
23	Clarke Co., Va.	524	3,215	248	404	4,391	704	4,321	333	542	5,900
24	Jefferson Co., WV.	6,701	4,009	4,274	2,263	17,247	8,406	5,028	5,361	2,838	21,633
		2,047,453	749,598	590,739	831,590	4,219,380	2,020,217	736,427	562,576	803,460	4,122,680
2020		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	489,697	97,529	78,084	200,416	865,726	489,697	97,529	78,084	200,416	865,726
2	Montgomery Co., Md.	332,623	85,940	47,559	98,297	564,419	332,623	85,940	47,559	98,297	564,419
3	Prince George's Co., Md.	88,190	89,816	57,029	142,844	377,879	88,190	89,816	57,029	142,844	377,879
4	Arlington Co., Va.	197,817	33,973	7,959	36,532	276,281	197,817	33,973	7,959	36,532	276,281
5	City of Alexandria, Va.	69,700	23,655	7,634	15,823	116,812	69,700	23,655	7,634	15,823	116,812
6	Fairfax Co., Va.	531,743	123,836	66,144	35,356	757,079	531,743	123,836	66,144	35,356	757,079
7	Loudoun Co., Va.	69,325	42,550	38,973	46,729	197,577	69,325	42,550	38,973	46,729	197,577
8	Prince William Co., Va.	79,604	61,386	30,988	14,237	186,215	79,604	61,386	30,988	14,237	186,215
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	39,376	29,547	13,743	21,196	103,862	39,376	29,547	13,743	21,196	103,862
11	Howard Co., Md.	67,106	29,597	67,105	67,106	230,914	56,661	24,993	56,662	56,661	194,977
12	Anne Arundel Co., Md.	105,046	70,497	105,052	105,046	385,641	89,631	60,148	89,632	89,631	329,042
13	Charles Co., Md.	28,207	23,864	11,129	8,495	71,695	28,224	23,879	11,131	8,497	71,731
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	24,101	15,974	24,091	24,101	88,267	19,336	12,814	19,327	19,336	70,813
16	Calvert Co., Md.	18,655	11,526	9,042	5,278	44,501	18,633	11,515	9,035	5,274	44,457
17	St. Mary's Co., Md.	32,081	16,166	13,478	9,876	71,601	30,141	15,188	12,660	9,279	67,268
18	King George Co., Va.	5,852	1,821	5,852	5,852	19,377	5,852	1,821	5,852	5,852	19,377
19	City of Fredericksburg, Va.	11,654	4,700	11,654	11,654	39,662	11,654	4,700	11,654	11,654	39,662
20	Stafford Co., Va.	17,118	7,045	17,118	17,118	58,399	17,118	7,045	17,118	17,118	58,399
21	Spotsylvania Co., Va.	12,355	9,154	12,355	12,355	46,219	12,355	9,154	12,355	12,355	46,219
22	Fauquier Co., Va.	7,200	14,431	1,245	2,550	25,426	8,818	17,670	1,524	3,123	31,135
23	Clarke Co., Va.	541	3,325	256	417	4,539	727	4,469	344	560	6,100
24	Jefferson Co., WV.	7,253	4,341	4,631	2,450	18,675	9,100	5,447	5,810	3,073	23,430
		2,235,244	800,673	631,121	883,728	4,550,766	2,206,325	787,075	601,217	853,843	4,448,460

Round 8.2 Cooperative Forecasts

2025		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	519,497	99,186	81,447	202,501	902,631	519,497	99,186	81,447	202,501	902,631
2	Montgomery Co., Md.	360,593	89,792	48,463	99,959	598,807	360,593	89,792	48,463	99,959	598,807
3	Prince George's Co., Md.	95,648	96,511	59,230	151,745	403,134	95,648	96,511	59,230	151,745	403,134
4	Arlington Co., Va.	212,340	35,135	8,008	36,595	292,078	212,340	35,135	8,008	36,595	292,078
5	City of Alexandria, Va.	84,196	23,564	7,512	15,880	131,152	84,196	23,564	7,512	15,880	131,152
6	Fairfax Co., Va.	573,747	129,751	69,058	36,981	809,537	573,747	129,751	69,058	36,981	809,537
7	Loudoun Co., Va.	81,402	46,876	45,561	52,054	225,893	81,402	46,876	45,561	52,054	225,893
8	Prince William Co., Va.	91,158	69,482	32,382	14,318	207,340	91,158	69,482	32,382	14,318	207,340
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	40,923	30,396	14,136	21,811	107,266	40,923	30,396	14,136	21,811	107,266
11	Howard Co., Md.	72,177	31,823	72,192	72,177	248,369	60,945	26,873	60,960	60,945	209,723
12	Anne Arundel Co., Md.	110,598	72,579	110,615	110,598	404,390	94,361	61,925	94,380	94,361	345,027
13	Charles Co., Md.	29,410	24,839	11,555	8,891	74,695	29,427	24,854	11,557	8,893	74,731
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	24,366	16,178	24,370	24,366	89,280	19,549	12,978	19,553	19,549	71,629
16	Calvert Co., Md.	19,523	11,942	9,342	5,498	46,305	19,500	11,930	9,334	5,494	46,258
17	St. Mary's Co., Md.	33,429	16,949	13,891	10,330	74,599	31,407	15,925	13,052	9,709	70,093
18	King George Co., Va.	6,320	1,987	6,320	6,320	20,947	6,320	1,987	6,320	6,320	20,947
19	City of Fredericksburg, Va.	12,873	5,110	12,873	12,873	43,729	12,873	5,110	12,873	12,873	43,729
20	Stafford Co., Va.	18,798	7,910	18,798	18,798	64,304	18,798	7,910	18,798	18,798	64,304
21	Spotsylvania Co., Va.	13,172	9,652	13,172	13,172	49,168	13,172	9,652	13,172	13,172	49,168
22	Fauquier Co., Va.	7,628	15,347	1,325	2,707	27,007	9,340	18,795	1,621	3,315	33,071
23	Clarke Co., Va.	556	3,420	263	429	4,668	748	4,595	353	575	6,271
24	Jefferson Co., WV.	7,763	4,645	4,957	2,624	19,989	9,740	5,828	6,218	3,291	25,077
		2,416,117	843,074	665,470	920,627	4,845,288	2,385,684	829,055	633,988	889,139	4,737,866
2030		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	526,057	102,753	92,950	207,881	929,641	526,057	102,753	92,950	207,881	929,641
2	Montgomery Co., Md.	391,260	92,042	49,322	102,633	635,257	391,260	92,042	49,322	102,633	635,257
3	Prince George's Co., Md.	103,724	102,872	60,848	160,070	427,514	103,724	102,872	60,848	160,070	427,514
4	Arlington Co., Va.	222,737	35,734	7,999	36,574	303,044	222,737	35,734	7,999	36,574	303,044
5	City of Alexandria, Va.	101,926	24,122	7,548	15,956	149,552	101,926	24,122	7,548	15,956	149,552
6	Fairfax Co., Va.	610,355	133,906	71,836	38,246	854,343	610,355	133,906	71,836	38,246	854,343
7	Loudoun Co., Va.	95,395	49,315	51,375	55,590	251,675	95,395	49,315	51,375	55,590	251,675
8	Prince William Co., Va.	103,827	78,353	33,704	14,163	230,047	103,827	78,353	33,704	14,163	230,047
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	41,705	31,493	14,347	22,210	109,755	41,705	31,493	14,347	22,210	109,755
11	Howard Co., Md.	76,210	33,285	76,221	76,210	261,926	64,350	28,107	64,361	64,350	221,168
12	Anne Arundel Co., Md.	114,522	76,414	114,517	114,522	419,975	97,709	65,197	97,705	97,709	358,320
13	Charles Co., Md.	30,526	25,735	11,971	9,267	77,499	30,544	25,750	11,974	9,269	77,537
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	24,659	16,332	24,651	24,659	90,301	19,785	13,107	19,779	19,785	72,456
16	Calvert Co., Md.	19,979	12,157	9,454	5,616	47,206	19,956	12,145	9,446	5,612	47,159
17	St. Mary's Co., Md.	34,359	17,455	14,149	10,633	76,596	32,283	16,400	13,295	9,991	71,969
18	King George Co., Va.	6,782	2,144	6,782	6,782	22,490	6,782	2,144	6,782	6,782	22,490
19	City of Fredericksburg, Va.	14,089	5,512	14,089	14,089	47,779	14,089	5,512	14,089	14,089	47,779
20	Stafford Co., Va.	20,474	8,748	20,474	20,474	70,170	20,474	8,748	20,474	20,474	70,170
21	Spotsylvania Co., Va.	13,988	10,122	13,988	13,988	52,086	13,988	10,122	13,988	13,988	52,086
22	Fauquier Co., Va.	8,056	16,258	1,403	2,864	28,581	9,868	19,906	1,715	3,507	34,996
23	Clarke Co., Va.	571	3,516	270	440	4,797	768	4,724	363	590	6,445
24	Jefferson Co., WV.	8,239	4,931	5,259	2,783	21,212	10,335	6,186	6,598	3,488	26,607
		2,569,440	883,199	703,157	955,650	5,111,446	2,537,917	868,638	670,498	922,957	5,000,010

Round 8.2 Cooperative Forecasts

2035		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	531,514	106,158	104,457	213,628	955,757	531,514	106,158	104,457	213,628	955,757
2	Montgomery Co., Md.	413,436	99,868	52,565	108,104	673,973	413,436	99,868	52,565	108,104	673,973
3	Prince George's Co., Md.	112,822	110,354	62,808	171,291	457,275	112,822	110,354	62,808	171,291	457,275
4	Arlington Co., Va.	225,089	36,273	8,034	36,574	305,970	225,089	36,273	8,034	36,574	305,970
5	City of Alexandria, Va.	108,821	24,891	7,510	16,183	157,405	108,821	24,891	7,510	16,183	157,405
6	Fairfax Co., Va.	637,107	138,025	74,309	39,221	888,662	637,107	138,025	74,309	39,221	888,662
7	Loudoun Co., Va.	104,332	50,845	55,196	57,663	268,036	104,332	50,845	55,196	57,663	268,036
8	Prince William Co., Va.	117,341	87,770	34,704	13,696	253,511	117,341	87,770	34,704	13,696	253,511
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	42,665	32,184	14,707	22,746	112,302	42,665	32,184	14,707	22,746	112,302
11	Howard Co., Md.	78,016	33,785	78,020	78,016	267,837	65,875	28,529	65,881	65,875	226,160
12	Anne Arundel Co., Md.	118,615	78,881	118,590	118,615	434,701	101,208	67,308	101,180	101,208	370,904
13	Charles Co., Md.	31,642	26,646	12,390	9,620	80,298	31,660	26,661	12,393	9,622	80,336
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	24,935	16,512	24,936	24,935	91,318	20,003	13,245	20,009	20,003	73,260
16	Calvert Co., Md.	20,394	12,362	9,640	5,706	48,102	20,371	12,350	9,632	5,702	48,055
17	St. Mary's Co., Md.	35,237	18,001	14,457	10,942	78,637	33,113	16,917	13,586	10,284	73,900
18	King George Co., Va.	7,275	2,299	7,275	7,275	24,124	7,275	2,299	7,275	7,275	24,124
19	City of Fredericksburg, Va.	15,174	5,776	15,174	15,174	51,298	15,174	5,776	15,174	15,174	51,298
20	Stafford Co., Va.	22,477	9,767	22,477	22,477	77,198	22,477	9,767	22,477	22,477	77,198
21	Spotsylvania Co., Va.	15,324	10,759	15,324	15,324	56,731	15,324	10,759	15,324	15,324	56,731
22	Fauquier Co., Va.	8,503	17,225	1,484	3,029	30,241	10,415	21,094	1,814	3,709	37,032
23	Clarke Co., Va.	585	3,599	277	451	4,912	786	4,836	372	605	6,599
24	Jefferson Co., WV.	8,714	5,214	5,563	2,943	22,434	10,933	6,541	6,979	3,691	28,144
		2,680,018	927,194	739,897	993,613	5,340,722	2,647,741	912,450	706,386	960,055	5,226,632
2040		Before CTPP-based employment adjustment					After CTPP-based employment adjustment				
		OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP	OFF EMP	RET EMP	IND EMP	OTH EMP	TOTAL EMP
1	District of Columbia	546,475	109,222	107,090	219,860	982,647	546,475	109,222	107,090	219,860	982,647
2	Montgomery Co., Md.	438,601	107,718	55,280	113,544	715,143	438,601	107,718	55,280	113,544	715,143
3	Prince George's Co., Md.	121,130	123,988	65,618	186,916	497,652	121,130	123,988	65,618	186,916	497,652
4	Arlington Co., Va.	228,129	36,110	8,053	36,538	308,830	228,129	36,110	8,053	36,538	308,830
5	City of Alexandria, Va.	118,769	25,219	7,357	16,253	167,598	118,769	25,219	7,357	16,253	167,598
6	Fairfax Co., Va.	662,374	141,944	76,736	39,925	920,979	662,374	141,944	76,736	39,925	920,979
7	Loudoun Co., Va.	112,659	51,918	59,085	59,584	283,246	112,659	51,918	59,085	59,584	283,246
8	Prince William Co., Va.	131,892	97,868	35,480	12,911	278,151	131,892	97,868	35,480	12,911	278,151
9	(Unused)	0	0	0	0	0	0	0	0	0	0
10	Frederick Co., Md.	43,659	32,813	15,096	23,339	114,907	43,659	32,813	15,096	23,339	114,907
11	Howard Co., Md.	79,936	34,826	79,937	79,936	274,635	67,497	29,409	67,499	67,497	231,902
12	Anne Arundel Co., Md.	118,615	78,881	118,590	118,615	434,701	101,208	67,308	101,180	101,208	370,904
13	Charles Co., Md.	32,756	27,556	12,810	9,975	83,097	32,775	27,572	12,814	9,977	83,138
14	(Unused)	0	0	0	0	0	0	0	0	0	0
15	Carroll Co., Md.	25,217	16,692	25,212	25,217	92,338	20,232	13,394	20,232	20,232	74,090
16	Calvert Co., Md.	20,809	12,565	9,830	5,799	49,003	20,785	12,553	9,822	5,795	48,955
17	St. Mary's Co., Md.	36,146	18,570	14,754	11,261	80,731	33,962	17,452	13,862	10,586	75,862
18	King George Co., Va.	7,766	2,449	7,766	7,766	25,747	7,766	2,449	7,766	7,766	25,747
19	City of Fredericksburg, Va.	16,262	6,033	16,262	16,262	54,819	16,262	6,033	16,262	16,262	54,819
20	Stafford Co., Va.	24,470	10,749	24,470	24,470	84,159	24,470	10,749	24,470	24,470	84,159
21	Spotsylvania Co., Va.	16,663	11,367	16,663	16,663	61,356	16,663	11,367	16,663	16,663	61,356
22	Fauquier Co., Va.	8,959	18,193	1,567	3,198	31,917	10,971	22,281	1,916	3,918	39,086
23	Clarke Co., Va.	599	3,683	283	461	5,026	805	4,949	380	618	6,752
24	Jefferson Co., WV.	9,150	5,475	5,840	3,090	23,555	11,477	6,868	7,326	3,877	29,548
		2,801,036	973,839	763,779	1,031,583	5,570,237	2,768,561	959,184	729,987	997,739	5,455,471

Appendix B. Jurisdictional Level Land Use Comparison

Ref: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change

Table B-1: 2010 Rnd 8.1 Vs 2010 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd81_taz3722\LU_taz3722_rnd81_2010_adj.dbf																			
Yr_2010_Rnd_8.1_w/ctpp_Adj_Emp																			
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2010_adj.dbf																			
Yr_2010_Rnd_8.2_w/ctpp_Adj_Emp																			
	2010 Rnd 8.1						2010 Rnd 8.2						Diff: 2010 Rnd 8.1 - 2010 Rnd 8.2						
	FILE 1						FILE 2						DIFF (File 2 - File 1)						
						J / H						J / H							J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP		RATIO
DC_Core	48,227	79,215	9,935	89,150	534,193	11.077	48,227	79,215	9,935	89,150	534,193	11.077	0	0	0	0	0		0
DC_Noncore	218,480	482,487	30,083	512,570	249,267	1.141	218,480	482,487	30,083	512,570	249,267	1.141	0	0	0	0	0		0
DC_Subtotal	266,707	561,702	40,018	601,720	783,460	2.938	266,707	561,702	40,018	601,720	783,460	2.938	0	0	0	0	0		0
Mtg	361,030	959,695	11,920	971,615	510,136	1.413	361,030	961,209	11,394	972,603	510,277	1.413	0	1,514	-526	988	141		0
PGeo	304,042	844,092	19,328	863,420	342,588	1.127	304,042	844,092	19,328	863,420	342,588	1.127	0	0	0	0	0		0
ArlCore	6,801	11,288	532	11,820	63,305	9.308	6,801	11,288	532	11,820	63,056	9.272	0	0	0	0	-249		-0.037
ArlNCore	91,249	193,447	2,360	195,807	159,959	1.753	91,249	193,447	2,360	195,807	160,208	1.756	0	0	0	0	249		0.003
ArlSubtotal	98,050	204,735	2,892	207,627	223,264	2.277	98,050	204,735	2,892	207,627	223,264	2.277	0	0	0	0	0		0
ALX	68,131	138,131	1,827	139,958	106,046	1.557	68,131	138,131	1,827	139,958	102,895	1.51	0	0	0	0	-3,151		-0.046
FFX	399,514	1,075,041	16,442	1,091,483	680,040	1.702	399,616	1,102,349	14,451	1,116,800	654,659	1.638	102	27,308	-1991	25,317	-25,381		-0.064
LDN	104,583	311,139	1171	312,310	143,738	1.374	104,583	311,139	1171	312,310	145,292	1.389	0	0	0	0	1,554		0.015
PW	147,819	451,522	2,572	454,094	143,579	0.971	147,819	451,522	2,572	454,094	143,579	0.971	0	0	0	0	0		0
Frd	84,800	229,203	4,180	233,383	98,695	1.164	84,800	229,203	4,180	233,383	98,695	1.164	0	0	0	0	0		0
Car	61,592	171,740	3,779	175,519	67,599	1.098	61,592	171,740	3,779	175,519	67,599	1.098	0	0	0	0	0		0
How	107,502	279,983	3,587	283,570	164,992	1.535	107,502	279,983	3,587	283,570	164,992	1.535	0	0	0	0	0		0
AnnAr	202,314	516,054	16,734	532,788	289,246	1.43	202,314	516,054	16,734	532,788	289,246	1.43	0	0	0	0	0		0
Calv	32,046	91,026	722	91,748	35,167	1.097	32,046	91,026	722	91,748	35,167	1.097	0	0	0	0	0		0
STM	38,870	101,278	3,576	104,854	59,184	1.523	38,870	101,278	3,576	104,854	59,184	1.523	0	0	0	0	0		0
Chs	50,950	143,049	1,545	144,594	62,227	1.221	50,950	143,049	1,545	144,594	62,227	1.221	0	0	0	0	0		0
Fau	26,871	74,194	568	74,762	27,324	1.017	23,658	64,813	388	65,201	27,397	1.158	-3,213	-9381	-180	-9561	73		0.141
Stf	41,769	125,355	3,593	128,948	46,929	1.124	41,769	125,356	3,594	128,950	46,664	1.117	0	1	1	2	-265		-0.006
Clk_Jeff	26,496	65,153	1,457	66,610	27,851	1.051	25,438	65,883	1,646	67,529	25,692	1.01	-1,058	730	189	919	-2,159		-0.041
Fbg_Spots	43,175	119,749	3,064	122,813	74,450	1.724	42,331	117,195	3,064	120,259	71,585	1.691	-844	-2,554	0	-2,554	-2,865		-0.033
KGeo	8,370	23,257	301	23,558	16,241	1.94	8,373	23,283	301	23,584	16,233	1.939	3	26	0	26	-8		-0.002
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
SUM	2,474,631	6,486,098	139,276	6,625,374	3,902,756	1.577	2,469,621	6,503,742	136,769	6,640,511	3,870,695	1.567	-5,010	17,644	-2,507	15,137	-32,061		-0.01
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments																			
Ratio =TEMP / HHS																			
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd81_2010_Rnd82_2010_jur.txt																			

Table B-2: 2020 Rnd 8.1 Vs 2020 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd81_taz3722\LU_taz3722_rnd81_2020_adj.dbf																		
Yr_2020_Rnd_8.1_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2020_adj.dbf																		
Yr_2020_Rnd_8.2_w/ctpp_Adj_Emp																		
	2020 Rnd 8.1						2020 Rnd 8.2						Diff: 2020 Rnd 8.1 - 2020 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
	HHS	HHPOP	GQPOP	TPOP	TEMP	J / H	HHS	HHPOP	GQPOP	TPOP	TEMP	J / H	HHS	HHPOP	GQPOP	TPOP	TEMP	J / H
DC_Core	57,306	94,843	11,164	106,007	574,970	10.033	57,306	94,843	11,164	106,007	574,970	10.033	0	0	0	0	0	0
DC_Noncore	240,809	537,269	33,047	570,316	290,756	1.207	240,809	537,269	33,047	570,316	290,756	1.207	0	0	0	0	0	0
DC_Subtotal	298,115	632,112	44,211	676,323	865,726	2.904	298,115	632,112	44,211	676,323	865,726	2.904	0	0	0	0	0	0
Mtg	397,237	1,051,163	14,259	1,065,422	585,363	1.474	396,955	1,053,259	13,771	1,067,030	564,419	1.422	-282	2,096	-488	1,608	-20,944	-0.052
PGeo	336,404	879,566	20,146	899,712	377,879	1.123	336,404	879,566	20,146	899,712	377,879	1.123	0	0	0	0	0	0
ArlCore	8,347	13,958	532	14,490	73,590	8.816	8,347	13,958	532	14,490	73,341	8.787	0	0	0	0	-249	-0.03
ArlNCore	102,843	216,114	2,751	218,865	202,272	1.967	103,864	218,842	2,751	221,593	202,940	1.954	1,021	2,728	0	2,728	668	-0.013
ArlSubtotal	111,190	230,072	3,283	233,355	275,862	2.481	112,211	232,800	3,283	236,083	276,281	2.462	1,021	2,728	0	2,728	419	-0.019
ALX	76,426	154,968	2,013	156,981	122,551	1.604	76,978	156,089	2,013	158,102	116,812	1.517	552	1,121	0	1,121	-5,739	-0.086
FFX	440,826	1,169,697	16,442	1,186,139	785,619	1.782	429,673	1,179,155	14,451	1,193,606	757,079	1.762	-11,153	9,458	-1991	7,467	-28,540	-0.02
LDN	132,843	394,472	1450	395,922	206,465	1.554	135,648	403,514	1727	405,241	197,577	1.457	2,805	9,042	277	9,319	-8,888	-0.098
PW	183,321	548,938	2,572	551,510	186,215	1.016	183,321	548,938	2,572	551,510	186,215	1.016	0	0	0	0	0	0
Frd	92,740	250,407	4,180	254,587	103,862	1.12	92,640	250,636	4,180	254,816	103,862	1.121	-100	229	0	229	0	0.001
Car	69,614	188,221	4,079	192,300	70,813	1.017	69,614	188,221	4,079	192,300	70,813	1.017	0	0	0	0	0	0
How	125,600	308,641	3,587	312,228	194,977	1.552	125,600	308,641	3,587	312,228	194,977	1.552	0	0	0	0	0	0
AnnAr	217,782	539,477	17,100	556,577	329,042	1.511	217,782	539,477	17,100	556,577	329,042	1.511	0	0	0	0	0	0
Calv	36,027	99,584	866	100,450	44,457	1.234	36,027	99,584	866	100,450	44,457	1.234	0	0	0	0	0	0
STM	49,352	125,922	4,176	130,098	67,268	1.363	49,352	125,922	4,176	130,098	67,268	1.363	0	0	0	0	0	0
Chs	64,299	174,043	1,910	175,953	71,731	1.116	64,299	174,043	1,910	175,953	71,731	1.116	0	0	0	0	0	0
Fau	35,730	98,870	568	99,438	35,762	1.001	26,954	73,726	388	74,114	31,135	1.155	-8,776	-25144	-180	-25324	-4,627	0.154
Stf	57,388	165,654	4,130	169,784	57,505	1.002	57,533	165,644	4,130	169,774	58,399	1.015	145	-10	0	-10	894	0.013
Clk_Jeff	32,679	77,602	1,457	79,059	33,800	1.034	32,064	76,068	1,646	77,714	29,530	0.921	-615	-1,534	189	-1,345	-4,270	-0.113
Fbg_Spots	56,137	151,448	3,517	154,965	89,210	1.589	53,122	142,998	3,517	146,515	85,881	1.617	-3,015	-8,450	0	-8,450	-3,329	0.028
KGeo	11,228	29,900	329	30,229	19,370	1.725	11,237	29,897	329	30,226	19,377	1.724	9	-3	0	-3	7	-0.001
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM	2,824,938	7,270,757	150,275	7,421,032	4,523,477	1.601	2,805,529	7,260,290	148,082	7,408,372	4,448,460	1.586	-19,409	-10,467	-2,193	-12,660	-75,017	-0.016
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd81_2020_Rnd82_2020_jur.txt																		

Table B-3: 2030 Rnd 8.1 Vs 2030 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd81_taz3722\LU_taz3722_rnd81_2030_adj.dbf																		
Yr_2030_Rnd_8.1_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2030_adj.dbf																		
Yr_2030_Rnd_8.2_w/ctpp_Adj_Emp																		
	2030 Rnd 8.1						2030 Rnd 8.2						Diff: 2030 Rnd 8.1 - 2030 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
						J / H						J / H						J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO
DC_Core	60,738	100,613	11,844	112,457	589,603	9.707	60,738	100,613	11,844	112,457	589,603	9.707	0	0	0	0	0	0
DC_Noncore	257,514	575,498	34,805	610,303	340,038	1.32	257,514	575,498	34,805	610,303	340,038	1.32	0	0	0	0	0	0
DC_Subtotal	318,252	676,111	46,649	722,760	929,641	2.921	318,252	676,111	46,649	722,760	929,641	2.921	0	0	0	0	0	0
Mtg	436,202	1,136,439	17,558	1,153,997	684,284	1.569	434,767	1,136,857	17,055	1,153,912	635,257	1.461	-1,435	418	-503	-85	-49,027	-0.108
PGeo	359,878	928,765	21,265	950,030	427,514	1.188	359,878	928,765	21,265	950,030	427,514	1.188	0	0	0	0	0	0
ArlCore	9,313	15,626	532	16,158	83,006	8.913	9,323	15,654	532	16,186	82,706	8.871	10	28	0	28	-300	-0.042
ArlNCore	107,475	227,567	2,751	230,318	219,582	2.043	112,060	239,820	2,751	242,571	220,338	1.966	4,585	12,253	0	12,253	756	-0.077
ArlSubtotal	116,788	243,193	3,283	246,476	302,588	2.591	121,383	255,474	3,283	258,757	303,044	2.497	4,595	12,281	0	12,281	456	-0.094
ALX	83,831	170,001	2,231	172,232	142,738	1.703	84,717	171,799	2,231	174,030	149,552	1.765	886	1,798	0	1,798	6,814	0.063
FFX	478,759	1,257,831	16,442	1,274,273	875,216	1.828	478,867	1,294,493	14,451	1,308,944	854,343	1.784	108	36,662	-1991	34,671	-20,873	-0.044
LDN	154,159	455,623	1634	457,257	257,212	1.668	157,333	462,510	1911	464,421	251,675	1.6	3,174	6,887	277	7,164	-5,537	-0.069
PW	210,450	618,989	2,572	621,561	230,047	1.093	210,450	618,989	2,572	621,561	230,047	1.093	0	0	0	0	0	0
Frd	107,686	290,762	4,180	294,942	109,755	1.019	107,580	288,956	4,180	293,136	109,755	1.02	-106	-1,806	0	-1,806	0	0.001
Car	76,111	203,030	4,279	207,309	72,456	0.952	76,111	203,030	4,279	207,309	72,456	0.952	0	0	0	0	0	0
How	135,486	324,584	3,587	328,171	221,168	1.632	135,486	324,584	3,587	328,171	221,168	1.632	0	0	0	0	0	0
AnnAr	229,371	556,700	17,570	574,270	358,320	1.562	229,371	556,700	17,570	574,270	358,320	1.562	0	0	0	0	0	0
Calv	38,348	103,912	1187	105,099	47,159	1.23	38,348	103,912	1187	105,099	47,159	1.23	0	0	0	0	0	0
STM	58,143	146,063	5,340	151,403	71,969	1.238	58,143	146,063	5,340	151,403	71,969	1.238	0	0	0	0	0	0
Chs	75,847	200,051	2,501	202,552	77,537	1.022	75,847	200,051	2,501	202,552	77,537	1.022	0	0	0	0	0	0
Fau	47,502	131,726	568	132,294	43,360	0.913	30,272	82,918	388	83,306	34,996	1.156	-17,230	-48808	-180	-48988	-8,364	0.243
Stf	73,383	207,986	4,691	212,677	70,172	0.956	73,367	207,981	4,690	212,671	70,170	0.956	-16	-5	-1	-6	-2	0
Clk_Jeff	40,562	92,914	1,457	94,371	39,225	0.967	37,347	85,429	1,646	87,075	33,052	0.885	-3,215	-7,485	189	-7,296	-6,173	-0.082
Fbg_Spots	68,763	183,104	4,047	187,151	103,673	1.508	62,604	165,947	4,047	169,994	99,865	1.595	-6,159	-17,157	0	-17,157	-3,808	0.087
KGeo	14,358	37,450	370	37,820	22,501	1.567	14,366	37,449	370	37,819	22,490	1.566	8	-1	0	-1	-11	-0.002
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3,123,879	7,965,234	161,411	8,126,645	5,086,535	1.628	3,104,489	7,948,018	159,202	8,107,220	5,000,010	1.611	-19,390	-17,216	-2,209	-19,425	-86,525	-0.018
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd81_2030_Rnd82_2030_jur.txt																		

Table B-4: 2040 Rnd 8.1 Vs 2040 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd81_taz3722\LU_taz3722_rnd81_2040_adj.dbf																		
Yr_2040_Rnd_8.1_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2040_adj.dbf																		
Yr_2040_Rnd_8.2_w/ctpp_Adj_Emp																		
	2040 Rnd 8.1						2040 Rnd 8.2						Diff: 2040 Rnd 8.1 - 2030 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
						J / H						J / H						J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO
DC_Core	63,893	107,225	12,616	119,841	611,080	9.564	63,893	107,225	12,616	119,841	611,080	9.564	0	0	0	0	0	0
DC_Noncore	275,996	614,381	36,940	651,321	371,567	1.346	275,996	614,381	36,940	651,321	371,567	1.346	0	0	0	0	0	0
DC_Subtotal	339,889	721,606	49,556	771,162	982,647	2.891	339,889	721,606	49,556	771,162	982,647	2.891	0	0	0	0	0	0
Mtg	461,469	1,185,385	18,258	1,203,643	737,364	1.598	460,161	1,185,019	17,750	1,202,769	715,143	1.554	-1,308	-366	-508	-874	-22,221	-0.044
PGeo	379,317	973,034	22,269	995,303	497,652	1.312	379,317	973,034	22,269	995,303	497,652	1.312	0	0	0	0	0	0
ArlCore	9,405	15,784	532	16,316	87,086	9.26	9,415	15,812	532	16,344	86,786	9.218	10	28	0	28	-300	-0.042
ArlNCore	110,356	233,368	2,751	236,119	221,290	2.005	119,190	256,977	2,751	259,728	222,044	1.863	8,834	23,609	0	23,609	754	-0.142
ArlSubtotal	119,761	249,152	3,283	252,435	308,376	2.575	128,605	272,789	3,283	276,072	308,830	2.401	8,844	23,637	0	23,637	454	-0.174
ALX	92,155	186,905	2,444	189,349	155,012	1.682	94,890	192,446	2,444	194,890	167,598	1.766	2,735	5,541	0	5,541	12,586	0.084
FFX	500,832	1,308,731	16,442	1,325,173	935,411	1.868	523,521	1,399,703	14,451	1,414,154	920,979	1.759	22,689	90,972	-1991	88,981	-14,432	-0.109
LDN	162,971	478,890	1634	480,524	285,449	1.752	165,274	483,037	1911	484,948	283,246	1.714	2,303	4,147	277	4,424	-2,203	-0.038
PW	229,944	670,325	2,572	672,897	278,151	1.21	229,944	670,325	2,572	672,897	278,151	1.21	0	0	0	0	0	0
Frd	119,564	322,829	4,180	327,009	114,907	0.961	119,457	320,769	4,180	324,949	114,907	0.962	-107	-2,060	0	-2,060	0	0.001
Car	81,464	215,553	4,490	220,043	74,090	0.909	81,464	215,553	4,490	220,043	74,090	0.909	0	0	0	0	0	0
How	137,773	329,235	3,587	332,822	231,902	1.683	137,773	329,235	3,587	332,822	231,902	1.683	0	0	0	0	0	0
AnnAr	234,332	563,676	17,932	581,608	370,904	1.583	234,332	563,676	17,932	581,608	370,904	1.583	0	0	0	0	0	0
Calv	40,301	107,327	1555	108,882	48,955	1.215	40,301	107,327	1555	108,882	48,955	1.215	0	0	0	0	0	0
STM	66,509	166,972	6,860	173,832	75,862	1.141	66,509	166,972	6,860	173,832	75,862	1.141	0	0	0	0	0	0
Chs	85,901	221,594	3,277	224,871	83,138	0.968	85,901	221,594	3,277	224,871	83,138	0.968	0	0	0	0	0	0
Fau	63,154	175,338	568	175,906	52,578	0.833	33,801	92,634	388	93,022	39,086	1.156	-29,353	-82704	-180	-82884	-13,492	0.324
Stf	87,679	246,647	5,200	251,847	84,144	0.96	87,670	246,651	5,200	251,851	84,159	0.96	-9	4	0	4	15	0
Clk_Jeff	49,835	110,768	1,457	112,225	45,298	0.909	42,371	94,051	1,646	95,697	36,300	0.857	-7,464	-16,717	189	-16,528	-8,998	-0.052
Fbg_Spots	79,050	211,745	4,512	216,257	119,691	1.514	69,306	184,540	4,512	189,052	116,175	1.676	-9,744	-27,205	0	-27,205	-3,516	0.162
KGeo	17,125	44,508	401	44,909	25,740	1.503	17,142	44,306	401	44,707	25,747	1.502	17	-202	0	-202	7	-0.001
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3,349,025	8,490,220	170,477	8,660,697	5,507,271	1.644	3,337,628	8,485,267	168,264	8,653,531	5,455,471	1.635	-11,397	-4,953	-2,213	-7,166	-51,800	-0.01
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd81_2040_Rnd82_2040_jur.txt																		

Table B-5: 2005 Rnd 8.2 Vs 2010 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2005_adj.dbf																		
Yr_2005_Rnd_8.2_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2010_adj.dbf																		
Yr_2010_Rnd_8.2_w/ctpp_Adj_Emp																		
	2005 Rnd 8.2						2010 Rnd 8.2						Diff: 2010 Rnd 8.2- 2005 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
						J / H						J / H						J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO
DC_Core	43,608	77,289	8,221	85,510	509,193	11.677	48,227	79,215	9,935	89,150	534,193	11.077	4,619	1,926	1,714	3,640	25,000	-0.6
DC_Noncore	209,807	463,229	33,310	496,539	241,052	1.149	218,480	482,487	30,083	512,570	249,267	1.141	8,673	19,258	-3,227	16,031	8,215	-0.008
DC_Subtotal	253,415	540,518	41,531	582,049	750,245	2.961	266,707	561,702	40,018	601,720	783,460	2.938	13,292	21,184	-1,513	19,671	33,215	-0.023
Mitg	347,500	918,400	10,697	929,097	500,000	1.439	361,030	961,209	11,394	972,603	510,277	1.413	13,530	42,809	697	43,506	10,277	-0.025
PGeo	299,867	815,646	20,059	835,705	347,885	1.16	304,042	844,092	19,328	863,420	342,588	1.127	4175	28,446	-731	27,715	-5,297	-0.033
ArlCore	6,198	10,538	1,742	12,280	60,569	9.772	6,801	11,288	532	11,820	63,056	9.272	603	750	-1210	-460	2,487	-0.501
ArlNCore	86,015	184,497	2,412	186,909	134,589	1.565	91,249	193,447	2,360	195,807	160,208	1.756	5,234	8,950	-52	8,898	25619	0.191
ArlSubtotal	92,213	195,035	4,154	199,189	195,158	2.116	98,050	204,735	2,892	207,627	223,264	2.277	5,837	9,700	-1262	8,438	28,106	0.161
ALX	66,311	133,953	1,900	135,853	105,750	1.595	68,131	138,131	1,827	139,958	102,895	1.51	1,820	4,178	-73	4,105	-2,855	-0.085
FFX	389,959	1,052,131	14,535	1,066,666	639,331	1.639	399,616	1,102,349	14,451	1,116,800	654,659	1.638	9,657	50,218	-84	50,134	15,328	-0.001
LDN	87,482	246,482	851	247,333	125,594	1.436	104,583	311,139	1171	312,310	145,292	1.389	17,101	64,657	320	64,977	19,698	-0.046
PW	135,991	401,700	3,598	405,298	139,429	1.025	147,819	451,522	2,572	454,094	143,579	0.971	11,828	49,822	-1026	48,796	4,150	-0.054
Frd	79,493	216,221	4,655	220,876	57,185	0.719	84,800	229,203	4,180	233,383	98,695	1.164	5,307	12,982	-475	12,507	41,510	0.444
Car	59,401	165,650	3,579	169,229	61,217	1.031	61,592	171,740	3,779	175,519	67,599	1.098	2,191	6,090	200	6,290	6,382	0.067
How	100,246	268,426	3,582	272,008	149,285	1.489	107,502	279,983	3,587	283,570	164,992	1.535	7,256	11,557	5	11,562	15,707	0.046
AnnAr	192,450	496,905	16,595	513,500	271,684	1.412	202,314	516,054	16,734	532,788	289,246	1.43	9,864	19,149	139	19,288	17,562	0.018
Calv	29,900	85,787	664	86,451	32,405	1.084	32,046	91,026	722	91,748	35,167	1.097	2,146	5,239	58	5,297	2,762	0.014
STM	35,052	92,875	3,216	96,091	54,161	1.545	38,870	101,278	3,576	104,854	59,184	1.523	3,818	8,403	360	8,763	5,023	-0.023
Chs	47,445	134,939	1,424	136,363	58,577	1.235	50,950	143,049	1,545	144,594	62,227	1.221	3,505	8,110	121	8,231	3,650	-0.013
Fau	21,830	59,747	388	60,135	24,151	1.106	23,658	64,813	388	65,201	27,397	1.158	1,828	5066	0	5066	3,246	0.052
Stf	34,665	106,631	1,494	108,125	35,579	1.026	41,769	125,356	3,594	128,950	46,664	1.117	7,104	18,725	2100	20,825	11,085	0.091
Clk_Jeff	23,987	59,636	1,646	61,282	24,868	1.037	25,438	65,883	1,646	67,529	25,692	1.01	1,451	6,247	0	6,247	824	-0.027
Fbg_Spots	38,459	108,680	2,820	111,500	53,063	1.38	42,331	117,195	3,064	120,259	71,585	1.691	3,872	8,515	244	8,759	18,522	0.311
KGeo	7,606	21,131	355	21,486	6,705	0.882	8,373	23,283	301	23,584	16,233	1.939	767	2,152	-54	2,098	9,528	1.057
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2,343,272	6,120,493	137,743	6,258,236	3,632,272	1.55	2,469,621	6,503,742	136,769	6,640,511	3,870,695	1.567	126,349	383,249	-974	382,275	238,423	0.017
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd82_2005_Rnd82_2010_jur.txt																		

Table B-6: 2010 Rnd 8.2 Vs 2040 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2010_adj.dbf																		
Yr_2020_Rnd_8.2_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2040_adj.dbf																		
Yr_2040_Rnd_8.2_w/ctpp_Adj_Emp																		
	2010 Rnd 8.2						2040 Rnd 8.2						Diff: 2010 Rnd 8.2- 2005 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
						J / H						J / H						J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO
DC_Core	48,227	79,215	9,935	89,150	534,193	11.077	63,893	107,225	12,616	119,841	611,080	9.564	15,666	28,010	2,681	30,691	76,887	-1.513
DC_Noncore	218,480	482,487	30,083	512,570	249,267	1.141	275,996	614,381	36,940	651,321	371,567	1.346	57,516	131,894	6,857	138,751	122,300	0.205
DC_Subtotal	266,707	561,702	40,018	601,720	783,460	2.938	339,889	721,606	49,556	771,162	982,647	2.891	73,182	159,904	9,538	169,442	199,187	-0.046
Mtg	361,030	961,209	11,394	972,603	510,277	1.413	460,161	1,185,019	17,750	1,202,769	715,143	1.554	99,131	223,810	6356	230,166	204,866	0.141
PGeo	304,042	844,092	19,328	863,420	342,588	1.127	379,317	973,034	22,269	995,303	497,652	1.312	75275	128,942	2941	131,883	155,064	0.185
ArlCore	6,801	11,288	532	11,820	63,056	9.272	9,415	15,812	532	16,344	86,786	9.218	2614	4524	0	4524	23,730	-0.054
ArlNCore	91,249	193,447	2,360	195,807	160,208	1.756	119,190	256,977	2,751	259,728	222,044	1.863	27,941	63,530	391	63,921	61836	0.107
ArlSubtotal	98,050	204,735	2,892	207,627	223,264	2.277	128,605	272,789	3,283	276,072	308,830	2.401	30,555	68,054	391	68,445	85,566	0.124
ALX	68,131	138,131	1,827	139,958	102,895	1.51	94,890	192,446	2,444	194,890	167,598	1.766	26,759	54,315	617	54,932	64,703	0.256
FFX	399,616	1,102,349	14,451	1,116,800	654,659	1.638	523,521	1,399,703	14,451	1,414,154	920,979	1.759	123,905	297,354	0	297,354	266,320	0.121
LDN	104,583	311,139	1171	312,310	145,292	1.389	165,274	483,037	1911	484,948	283,246	1.714	60,691	171,898	740	172,638	137,954	0.325
PW	147,819	451,522	2,572	454,094	143,579	0.971	229,944	670,325	2,572	672,897	278,151	1.21	82,125	218,803	0	218,803	134,572	0.238
Frd	84,800	229,203	4,180	233,383	98,695	1.164	119,457	320,769	4,180	324,949	114,907	0.962	34,657	91,566	0	91,566	16,212	-0.202
Car	61,592	171,740	3,779	175,519	67,599	1.098	81,464	215,553	4,490	220,043	74,090	0.909	19,872	43,813	711	44,524	6,491	-0.188
How	107,502	279,983	3,587	283,570	164,992	1.535	137,773	329,235	3,587	332,822	231,902	1.683	30,271	49,252	0	49,252	66,910	0.148
AnnAr	202,314	516,054	16,734	532,788	289,246	1.43	234,332	563,676	17,932	581,608	370,904	1.583	32,018	47,622	1,198	48,820	81,658	0.153
Calv	32,046	91,026	722	91,748	35,167	1.097	40,301	107,327	1555	108,882	48,955	1.215	8,255	16,301	833	17,134	13,788	0.117
STM	38,870	101,278	3,576	104,854	59,184	1.523	66,509	166,972	6,860	173,832	75,862	1.141	27,639	65,694	3284	68,978	16,678	-0.382
Chs	50,950	143,049	1,545	144,594	62,227	1.221	85,901	221,594	3,277	224,871	83,138	0.968	34,951	78,545	1732	80,277	20,911	-0.253
Fau	23,658	64,813	388	65,201	27,397	1.158	33,801	92,634	388	93,022	39,086	1.156	10,143	27821	0	27821	11,689	-0.002
Stf	41,769	125,356	3,594	128,950	46,664	1.117	87,670	246,651	5,200	251,851	84,159	0.96	45,901	121,295	1606	122,901	37,495	-0.157
Clk_Jeff	25,438	65,883	1,646	67,529	25,692	1.01	42,371	94,051	1,646	95,697	36,300	0.857	16,933	28,168	0	28,168	10,608	-0.153
Fbg_Spots	42,331	117,195	3,064	120,259	71,585	1.691	69,306	184,540	4,512	189,052	116,175	1.676	26,975	67,345	1448	68,793	44,590	-0.015
KGeo	8,373	23,283	301	23,584	16,233	1.939	17,142	44,306	401	44,707	25,747	1.502	8,769	21,023	100	21,123	9,514	-0.437
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM	2,469,621	6,503,742	136,769	6,640,511	3,870,695	1.567	3,337,628	8,485,267	168,264	8,653,531	5,455,471	1.635	868,007	1,981,525	31,495	2,013,020	1,584,776	0.067
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd82_2010_Rnd82_2040_jur.txt																		

Table B-7: 2020 Rnd 8.2 Vs 2040 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2020_adj.dbf																		
Yr_2020_Rnd_8.2_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2040_adj.dbf																		
Yr_2040_Rnd_8.2_w/ctpp_Adj_Emp																		
	2020 Rnd 8.2						2040 Rnd 8.2						Diff: 2040 Rnd 8.2- 2020 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
						J / H						J / H						J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO
DC_Core	57,306	94,843	11,164	106,007	574,970	10.033	63,893	107,225	12,616	119,841	611,080	9.564	6,587	12,382	1,452	13,834	36,110	-0.469
DC_Noncore	240,809	537,269	33,047	570,316	290,756	1.207	275,996	614,381	36,940	651,321	371,567	1.346	35,187	77,112	3,893	81,005	80,811	0.139
DC_Subtotal	298,115	632,112	44,211	676,323	865,726	2.904	339,889	721,606	49,556	771,162	982,647	2.891	41,774	89,494	5,345	94,839	116,921	-0.013
Mtg	396,955	1,053,259	13,771	1,067,030	564,419	1.422	460,161	1,185,019	17,750	1,202,769	715,143	1.554	63,206	131,760	3979	135,739	150,724	0.132
PGeo	336,404	879,566	20,146	899,712	377,879	1.123	379,317	973,034	22,269	995,303	497,652	1.312	42913	93,468	2123	95,591	119,773	0.189
ArlCore	8,347	13,958	532	14,490	73,341	8.787	9,415	15,812	532	16,344	86,786	9.218	1068	1854	0	1854	13,445	0.431
ArlNCore	103,864	218,842	2,751	221,593	202,940	1.954	119,190	256,977	2,751	259,728	222,044	1.863	15,326	38,135	0	38,135	19104	-0.091
ArlSubtotal	112,211	232,800	3,283	236,083	276,281	2.462	128,605	272,789	3,283	276,072	308,830	2.401	16,394	39,989	0	39,989	32,549	-0.061
ALX	76,978	156,089	2,013	158,102	116,812	1.517	94,890	192,446	2,444	194,890	167,598	1.766	17,912	36,357	431	36,788	50,786	0.249
FFX	429,673	1,179,155	14,451	1,193,606	757,079	1.762	523,521	1,399,703	14,451	1,414,154	920,979	1.759	93,848	220,548	0	220,548	163,900	-0.003
LDN	135,648	403,514	1727	405,241	197,577	1.457	165,274	483,037	1911	484,948	283,246	1.714	29,626	79,523	184	79,707	85,669	0.257
PW	183,321	548,938	2,572	551,510	186,215	1.016	229,944	670,325	2,572	672,897	278,151	1.21	46,623	121,387	0	121,387	91,936	0.194
Frd	92,640	250,636	4,180	254,816	103,862	1.121	119,457	320,769	4,180	324,949	114,907	0.962	26,817	70,133	0	70,133	11,045	-0.159
Car	69,614	188,221	4,079	192,300	70,813	1.017	81,464	215,553	4,490	220,043	74,090	0.909	11,850	27,332	411	27,743	3,277	-0.108
How	125,600	308,641	3,587	312,228	194,977	1.552	137,773	329,235	3,587	332,822	231,902	1.683	12,173	20,594	0	20,594	36,925	0.131
AnnAr	217,782	539,477	17,100	556,577	329,042	1.511	234,332	563,676	17,932	581,608	370,904	1.583	16,550	24,199	832	25,031	41,862	0.072
Calv	36,027	99,584	866	100,450	44,457	1.234	40,301	107,327	1555	108,882	48,955	1.215	4,274	7,743	689	8,432	4,498	-0.019
STM	49,352	125,922	4,176	130,098	67,268	1.363	66,509	166,972	6,860	173,832	75,862	1.141	17,157	41,050	2684	43,734	8,594	-0.222
Chs	64,299	174,043	1,910	175,953	71,731	1.116	85,901	221,594	3,277	224,871	83,138	0.968	21,602	47,551	1367	48,918	11,407	-0.148
Fau	26,954	73,726	388	74,114	31,135	1.155	33,801	92,634	388	93,022	39,086	1.156	6,847	18908	0	18908	7,951	0.001
Stf	57,533	165,644	4,130	169,774	58,399	1.015	87,670	246,651	5,200	251,851	84,159	0.96	30,137	81,007	1070	82,077	25,760	-0.055
Clk_Jeff	32,064	76,068	1,646	77,714	29,530	0.921	42,371	94,051	1,646	95,697	36,300	0.857	10,307	17,983	0	17,983	6,770	-0.064
Fbg_Spots	53,122	142,998	3,517	146,515	85,881	1.617	69,306	184,540	4,512	189,052	116,175	1.676	16,184	41,542	995	42,537	30,294	0.06
KGeo	11,237	29,897	329	30,226	19,377	1.724	17,142	44,306	401	44,707	25,747	1.502	5,905	14,409	72	14,481	6,370	-0.222
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2,805,529	7,260,290	148,082	7,408,372	4,448,460	1.586	3,337,628	8,485,267	168,264	8,653,531	5,455,471	1.635	532,099	1,224,977	20,182	1,245,159	1,007,011	0.049
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
Row data copied from: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU Change\Rnd82_2020_Rnd82_2040_jur.txt																		

Table B-8: 2030 Rnd 8.2 Vs 2040 Rnd 8.2

File 1: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2030_adj.dbf																		
Yr_2030_Rnd_8.2_w/ctpp_Adj_Emp																		
File 2: I:\ateam\mod_inputs\lu\Rnd82_taz3722\LU_taz3722_rnd82_2040_adj.dbf																		
Yr_2040_Rnd_8.2_w/ctpp_Adj_Emp																		
	2030 Rnd 8.2						2040 Rnd 8.2						Diff: 2040 Rnd 8.2- 2030 Rnd 8.2					
	FILE 1						FILE 2						DIFF (File 2 - File 1)					
						J / H						J / H						J / H
	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO	HHS	HHPOP	GQPOP	TPOP	TEMP	RATIO
DC_Core	60,738	100,613	11,844	112,457	589,603	9.707	63,893	107,225	12,616	119,841	611,080	9.564	3,155	6,612	772	7,384	21,477	-0.143
DC_Noncore	257,514	575,498	34,805	610,303	340,038	1.32	275,996	614,381	36,940	651,321	371,567	1.346	18,482	38,883	2,135	41,018	31,529	0.026
DC_Subtotal	318,252	676,111	46,649	722,760	929,641	2.921	339,889	721,606	49,556	771,162	982,647	2.891	21,637	45,495	2,907	48,402	53,006	-0.03
Mtg	434,767	1,136,857	17,055	1,153,912	635,257	1.461	460,161	1,185,019	17,750	1,202,769	715,143	1.554	25,394	48,162	695	48,857	79,886	0.093
PGeo	359,878	928,765	21,265	950,030	427,514	1.188	379,317	973,034	22,269	995,303	497,652	1.312	19,439	44,269	1004	45,273	70,138	0.124
ArlCore	9,323	15,654	532	16,186	82,706	8.871	9,415	15,812	532	16,344	86,786	9.218	92	158	0	158	4,080	0.347
ArlNCore	112,060	239,820	2,751	242,571	220,338	1.966	119,190	256,977	2,751	259,728	222,044	1.863	7,130	17,157	0	17,157	1706	-0.103
ArlSubtotal	121,383	255,474	3,283	258,757	303,044	2.497	128,605	272,789	3,283	276,072	308,830	2.401	7,222	17,315	0	17,315	5,786	-0.095
ALX	84,717	171,799	2,231	174,030	149,552	1.765	94,890	192,446	2,444	194,890	167,598	1.766	10,173	20,647	213	20,860	18,046	0.001
FFX	478,867	1,294,493	14,451	1,308,944	854,343	1.784	523,521	1,399,703	14,451	1,414,154	920,979	1.759	44,654	105,210	0	105,210	66,636	-0.025
LDN	157,333	462,510	1911	464,421	251,675	1.6	165,274	483,037	1911	484,948	283,246	1.714	7,941	20,527	0	20,527	31,571	0.114
PW	210,450	618,989	2,572	621,561	230,047	1.093	229,944	670,325	2,572	672,897	278,151	1.21	19,494	51,336	0	51,336	48,104	0.117
Frd	107,580	288,956	4,180	293,136	109,755	1.02	119,457	320,769	4,180	324,949	114,907	0.962	11,877	31,813	0	31,813	5,152	-0.058
Car	76,111	203,030	4,279	207,309	72,456	0.952	81,464	215,553	4,490	220,043	74,090	0.909	5,353	12,523	211	12,734	1,634	-0.042
How	135,486	324,584	3,587	328,171	221,168	1.632	137,773	329,235	3,587	332,822	231,902	1.683	2,287	4,651	0	4,651	10,734	0.051
AnnAr	229,371	556,700	17,570	574,270	358,320	1.562	234,332	563,676	17,932	581,608	370,904	1.583	4,961	6,976	362	7,338	12,584	0.021
Calv	38,348	103,912	1187	105,099	47,159	1.23	40,301	107,327	1555	108,882	48,955	1.215	1,953	3,415	368	3,783	1,796	-0.015
STM	58,143	146,063	5,340	151,403	71,969	1.238	66,509	166,972	6,860	173,832	75,862	1.141	8,366	20,909	1520	22,429	3,893	-0.097
Chs	75,847	200,051	2,501	202,552	77,537	1.022	85,901	221,594	3,277	224,871	83,138	0.968	10,054	21,543	776	22,319	5,601	-0.054
Fau	30,272	82,918	388	83,306	34,996	1.156	33,801	92,634	388	93,022	39,086	1.156	3,529	9716	0	9716	4,090	0
Stf	73,367	207,981	4,690	212,671	70,170	0.956	87,670	246,651	5,200	251,851	84,159	0.96	14,303	38,670	510	39,180	13,989	0.004
Clk_Jeff	37,347	85,429	1,646	87,075	33,052	0.885	42,371	94,051	1,646	95,697	36,300	0.857	5,024	8,622	0	8,622	3,248	-0.028
Fbg_Spots	62,604	165,947	4,047	169,994	99,865	1.595	69,306	184,540	4,512	189,052	116,175	1.676	6,702	18,593	465	19,058	16,310	0.081
KGeo	14,366	37,449	370	37,819	22,490	1.566	17,142	44,306	401	44,707	25,747	1.502	2,776	6,857	31	6,888	3,257	-0.064
Externals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3,104,489	7,948,018	159,202	8,107,220	5,000,010	1.611	3,337,628	8,485,267	168,264	8,653,531	5,455,471	1.635	233,139	537,249	9,062	546,311	455,461	0.024
NOTE: Employment in non-COG member counties is affected by 2000CTPP-based adjustments. Ratio =TEMP / HHS.																		
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