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Regional Air Passenger Origin/Destination Forecast Update

May 28, 2004

Metropolitan Washington Council of Governments

ABSTRACT FORM

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The metropolitan Washington Council of Governments is the regional organization of the Washington area's major local governments and their governing officials. COG works toward solutions to such regional problems as growth, transportation, inadequate housing, air pollution, water supply, water quality, economic development and noise, and serves as the regional planning organization for metropolitan Washington.

ABSTRACT:

This report presents regional air passenger origin and destination forecast for the three commercial airports in the Washington Baltimore region. The air passenger enplanements are based on data from FAA and regional airport authority forecasts. The report documents the techniques used to forecast and distribute distribute total air passengers origins, by resident status and purpose by AAZ and jurisdiction for the forecast years 2000 through 2030.

SUBJECT:
Regional Air Passenger Origin/Destination Forecast Update

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1. Introduction

The Washington-Baltimore metropolitan area is one of the few places in the country where air passengers have a choice of multiple airports. These are the Washington Dulles International (IAD), Ronald Reagan Washington National (DCA) and Baltimore Washington International (BWI), airports.

Forecasts of key aviation activity measures for the Washington-Baltimore region are published periodically by the Federal Aviation Administration. While these forecasts are produced to predict air passenger enplanements at the three major commercial airports, no origin/destination forecasts are produced. Origin/destination information is essential for use in airport-related transportation studies, and for determining airport master plan landside facility needs.

This report documents the procedures used to develop forecasts of local originating air passenger trips from each aviation analysis zone to each of the three major commercial airports in the Washington/ Baltimore region. The air passenger forecasts are being developed as part of the National Capital Region Transportation Planning Board's (TPB) Continuous Airport System Planning (CASP) program.

The MWCOG/TPB Models Development program identifies the improvement of the representation of special traffic generators as an important component of the traffic foretasting process. COG/TPB has performed several special generator surveys in recent years, relating to military facilities, universities, tourist locations, and major shopping centers. As these data are becoming available, the review of special generator data for the purpose of refining the regional travel model is envisioned to be an ongoing work activity. The principal purpose of the origin/destination forecast is to provide annual air passenger control totals to be used as an input to the travel forecasting process.

This model does not forecast enplanements from each aviation analysis zones, rather it is to use the official enplanement forecast made by FAA (Federal Aviation Administration), MWAA (Metropolitan Washington Airport Authority), and MAA (Maryland Aviation Administration) as a base to distribute originating trips within the study area. The factors and rates developed in this

report are based on the 2000 Air Passenger Survey data and land-use data, and are assumed to remain constant for the forecasted years. This model is not an airport choice model and did not take into consideration variables such as travel time to the airports, ticket price, travel mode to the airports, flight frequency, and others. The output of the regional air passenger origin/destination model report presents a set of forecasted air passenger originating trips from aviation analysis zones to each of the three major airports in the Washington-Baltimore region.

2. The Study Area

The Washington/Baltimore air service area market is larger than the combined areas that are normally within the Metropolitan Washington Council of Governments and Baltimore Metropolitan Council's purview. This combined area stretches from Harford County, Maryland, on the Susquehanna River to the north to Spotsylvania County, Virginia, in the south, and from the Chesapeake Bay in the east to the foothills of the Appalachian Mountains in the west. Figure 1 represents the jurisdictions that combine to make up this region, and locates the three airports. The region consists of 25 jurisdictions, 90 Aviation Analysis Zones (AAZ), 83 internal zones (see Appendix A, Table 9) and 7 external zones and 2,604 Transportation Analysis Zones (TAZ). Despite the expanse of this area, in 2000 approximately 9.5% of the air travelers using the Washington/Baltimore region airports [Baltimore/Washington International Airport (BWI), Ronald Reagan Washington National Airport (DCA), Washington Dulles International Airport (IAD)] came from areas beyond these boundaries.

The Washington/Baltimore regional airports are not only an entry point for local originating passengers, but also a destination for the majority of their air passengers. Based on the 2000 Air Passenger survey data, almost 62 percent of the airports' passengers do not reside within the study area. This proportion is similar for all types of trips, such as business, personal, vacation, school, etc, indicating that these airports provide an important link to governments (local and federal), firms, and individuals for regions outside the Washington/Baltimore region.

Figure 1
The Washington - Baltimore
Air Passenger Origin Destination Forecast
Study Area

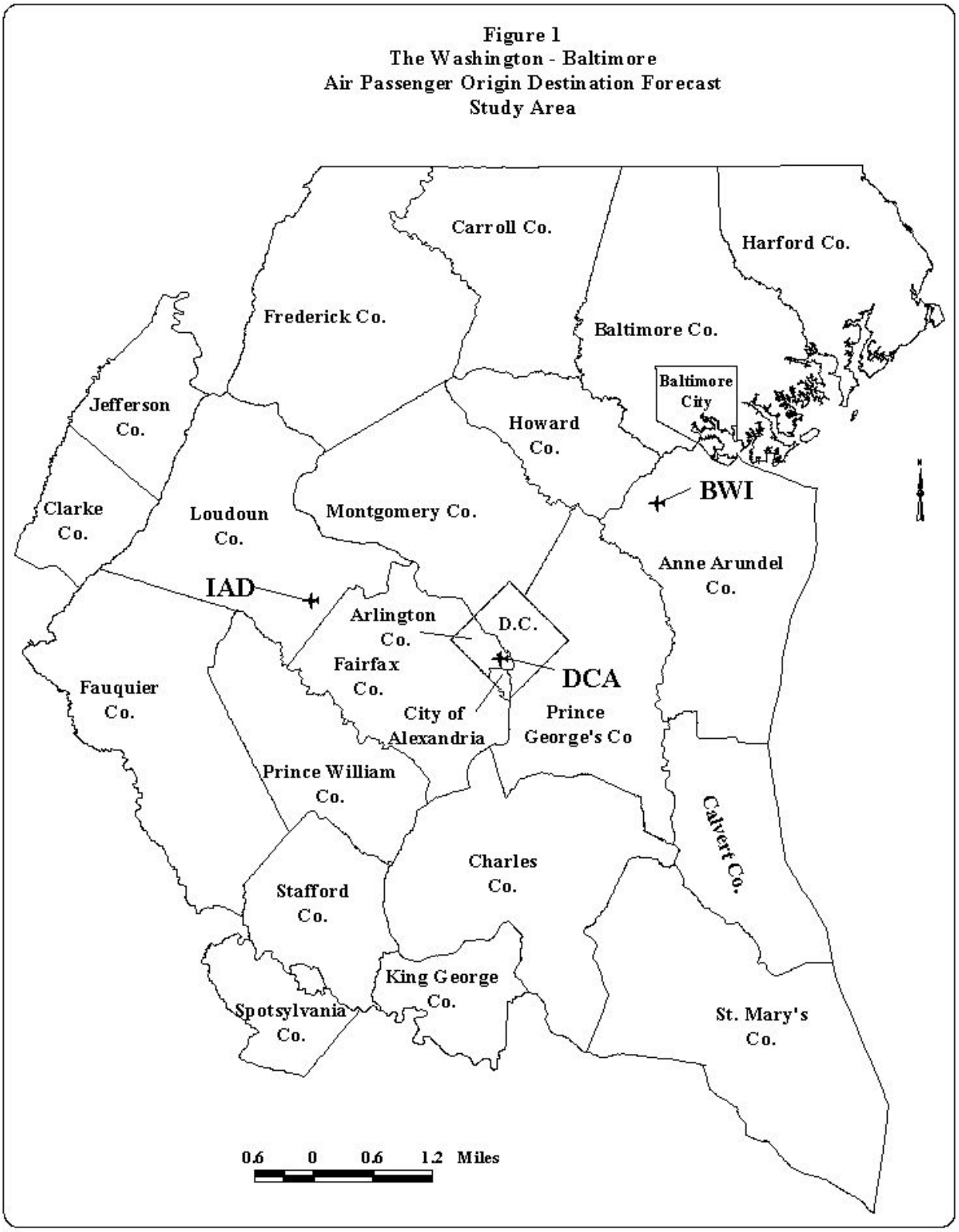


Figure 2
Washington / Baltimore Region
AAZ and Jurisdiction Boundaries

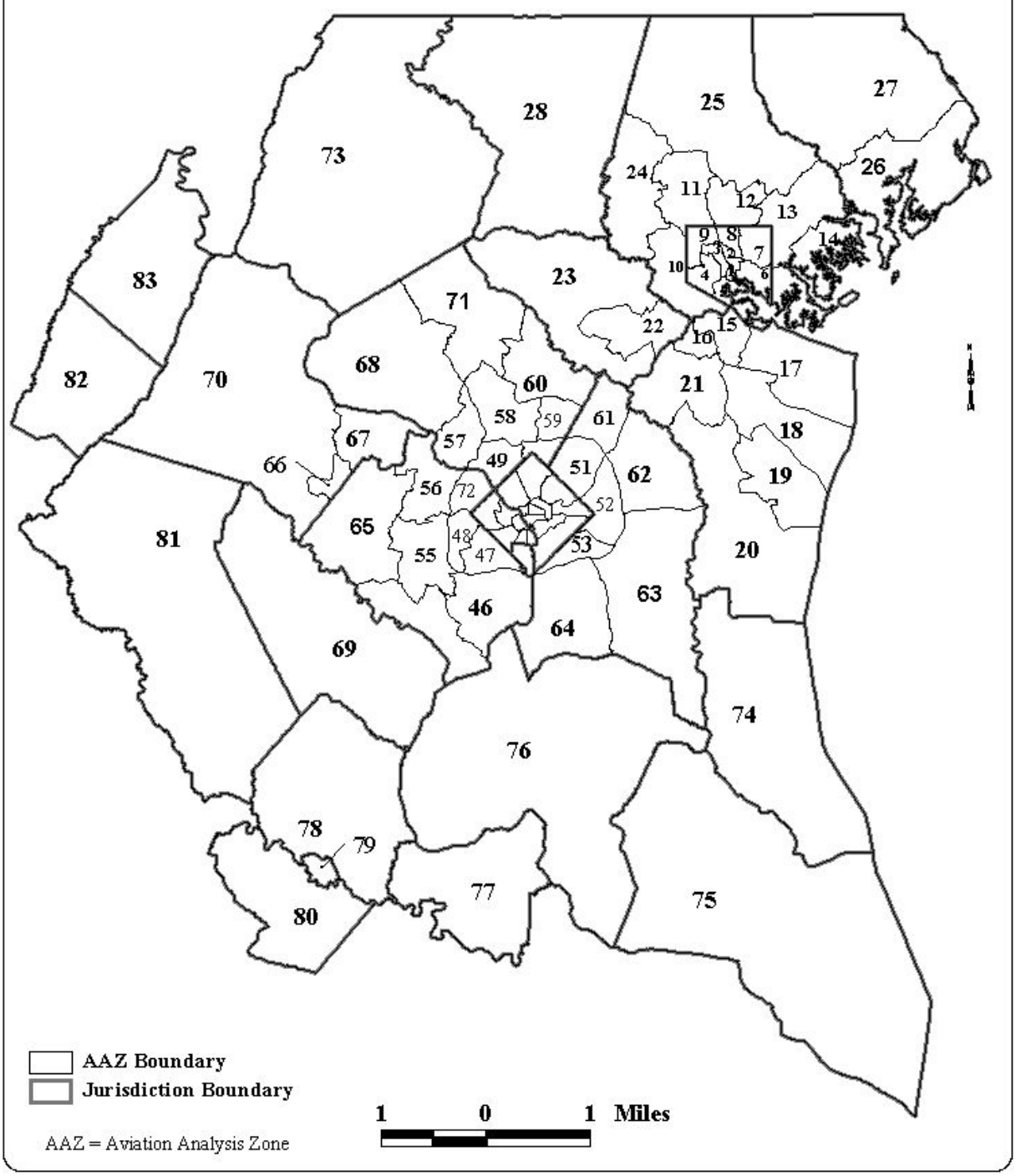


Figure 3

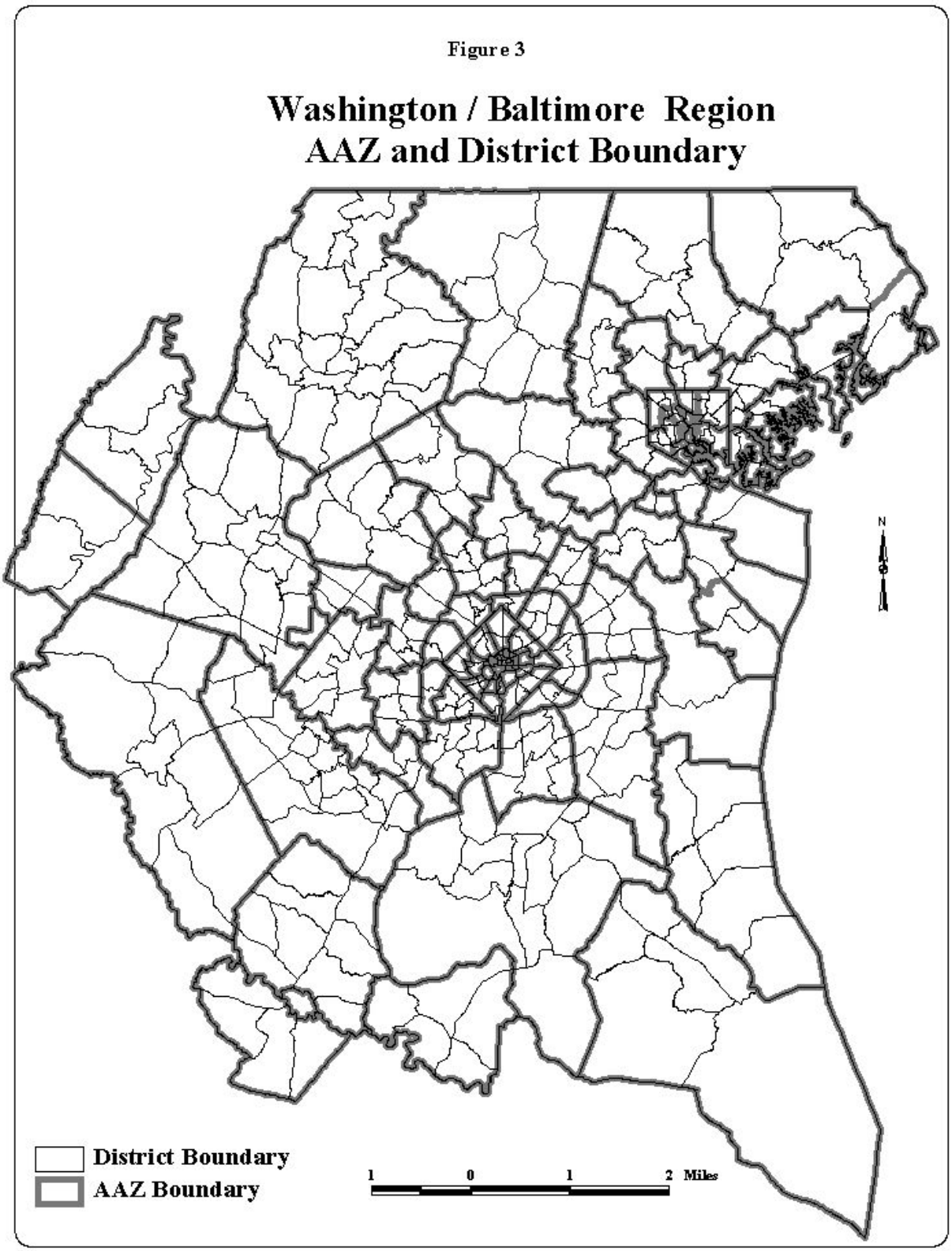
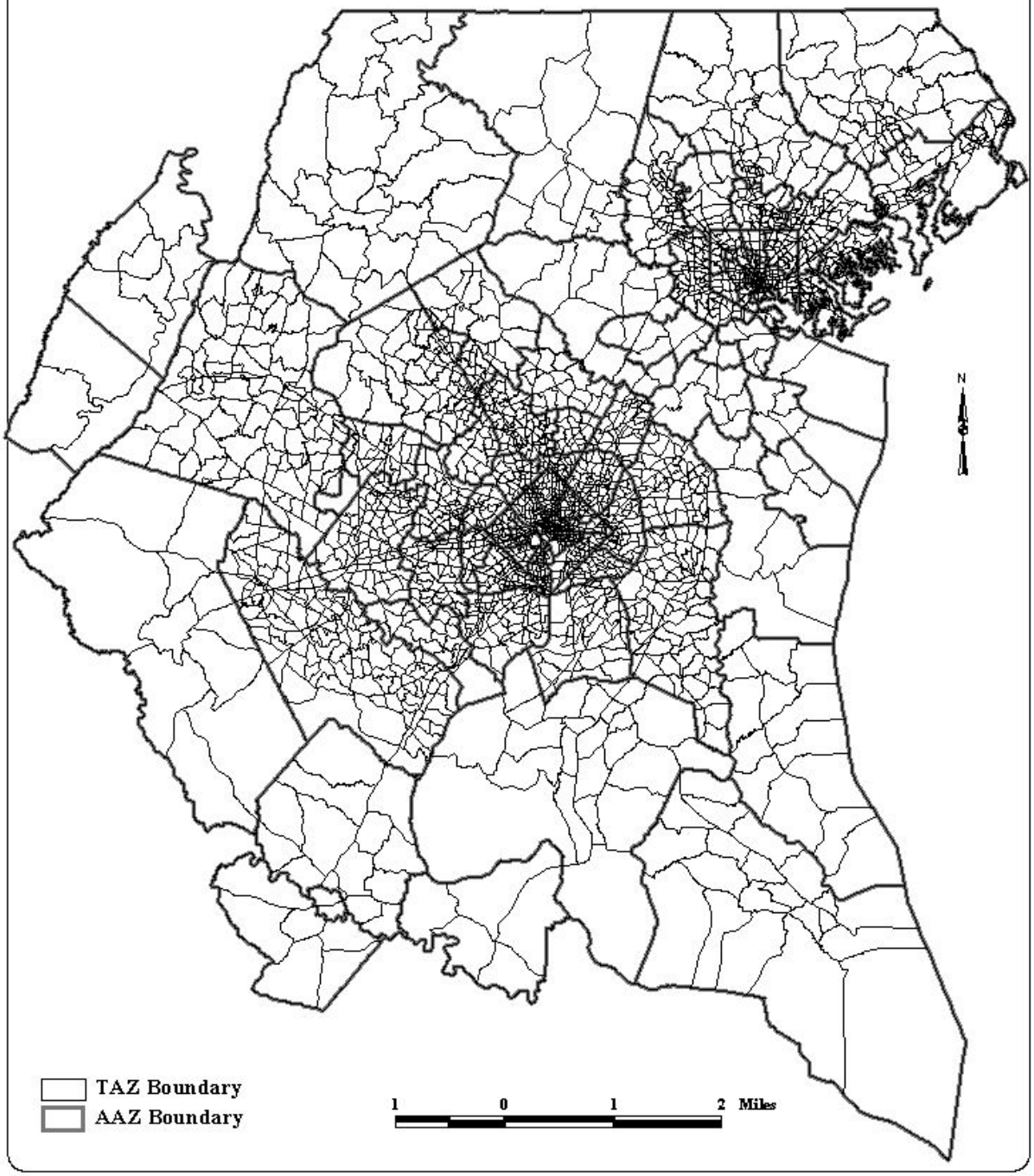

Washington / Baltimore Region
AAZ and District Boundary
N
District Boundary
AAZ Boundary
1 0 1 2 Miles

Figure 4

Washington / Baltimore Region
TAZ and AAZ Boundary



3. Demographic Background

In 2000, the Washington/Baltimore region was home to approximately, 7.2 million people. Table 1 shows that 5.6 million people or about 78 percent of the regions population reside in the MWCOG planning area. Of the 25 jurisdictions which comprise the Washington/Baltimore region, Fairfax County was the most populous in 2000 with almost a million people, followed by Montgomery County and Prince George's County. By 2030, the region will have a little over 9 million people residing, an increase of 28 percent over 2000.

The distribution of households also reflects the same pattern of population distribution. As shown in Table 2, there were over 2.7 million households in the Washington/Baltimore region in 2000. The table also shows that approximately 77 percent of the households reside in the MWCOG planning area. In terms of individual jurisdictions, Fairfax County ranked first with 363,000 households in 2000, followed by Montgomery County (323,000) and Baltimore County (299,000). Regional households are estimated to increase by almost 33 percent between 2000 and 2030.

Table 3 shows the employment distribution for the Washington/Baltimore region. In 2000, there were almost 4.4 million jobs in the region. Of the total employment, over 78% of them are located within the MWCOG planning area. The District of Columbia, Montgomery County and Fairfax county, combined accounted for over half of the total employment within the MWCOG region. Within the BMC planning area, the City of Baltimore and Baltimore County have almost an equal share of employment. The combined Washington / Baltimore regional employment is expected to increase by 40% between 2000 and 2030.

Table 1
Washington / Baltimore Region
Population by Jurisdiction

JURISDICTION	Population						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	536,497	571,436	591,434	638,149	652,570	666,879	666,879
Montgomery County	860,743	912,419	962,461	1,007,476	1,037,501	1,057,492	1,067,500
Prince George's County	793,765	842,352	866,884	893,421	917,982	937,782	953,476
Arlington County	185,295	193,230	198,310	204,927	211,352	215,362	217,754
City of Alexandria	126,382	134,630	141,021	143,964	145,903	148,103	149,841
Fairfax County	987,919	1,065,896	1,136,325	1,172,569	1,197,998	1,210,815	1,220,727
Loudoun County	168,748	238,409	299,571	350,333	392,869	422,190	441,036
Prince William County	323,221	387,857	425,396	450,142	464,613	475,968	483,451
Frederick County	190,622	211,924	233,636	255,344	277,211	294,920	319,932
Howard County	250,720	261,660	274,150	286,190	294,600	296,790	292,128
Ann Arundel County	489,656	520,023	532,176	542,535	552,695	562,928	572,023
Charles County	119,177	132,604	146,031	163,837	181,630	192,631	203,631
Carroll County	150,897	163,393	173,677	183,587	193,023	199,434	199,434
Calvert County	73,982	80,000	86,018	90,519	95,019	99,414	103,809
St. Mary's County	83,429	90,723	98,018	105,018	112,018	118,418	124,819
King George County	16,803	19,558	22,311	24,086	25,865	27,705	29,544
City of Fredericksburg	16,960	20,299	23,638	25,359	27,078	28,435	29,792
Stafford County	92,446	107,094	121,745	136,390	151,037	165,730	180,424
Spotsylvania County	71,596	85,194	98,859	109,977	121,095	132,317	143,538
Fauquier County	55,577	64,145	73,895	85,207	98,253	113,297	130,643
Clarke County	12,340	13,467	14,593	15,345	16,097	17,049	18,001
Jefferson County	41,045	45,547	50,045	55,523	60,998	67,709	74,419
Baltimore City	629,303	641,491	634,282	637,025	639,211	639,586	639,586
Baltimore County	732,747	743,457	754,516	765,599	776,328	787,052	787,052
Harford County	226,566	239,556	249,345	257,366	264,802	272,455	272,455
Total	**7,236,436**	**7,786,364**	**8,208,337**	**8,599,888**	**8,907,748**	**9,150,461**	**9,321,894**

Source:- MWCOG round 6.3 Cooperative Forecast and BMC 2000 landuse data

Table 2
Washington / Baltimore Region
Households by Jurisdiction

JURISDICTION	Households						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	248,338	263,937	272,237	292,945	298,744	304,441	304,441
Montgomery County	323,374	345,307	368,804	388,803	403,804	413,797	418,797
Prince George's County	289,752	305,685	320,165	334,809	347,904	360,796	370,992
Arlington County	86,352	90,871	94,581	98,731	102,506	104,849	106,191
City of Alexandria	61,889	66,194	70,027	71,804	72,957	74,296	75,338
Fairfax County	363,734	395,433	422,869	436,273	445,226	449,885	453,497
Loudoun County	59,900	84,855	106,572	124,553	139,608	149,985	156,697
Prince William County	109,581	129,934	144,219	154,605	160,941	166,018	169,982
Frederick County	70,060	76,223	84,696	93,500	102,013	110,134	120,155
Howard County	90,950	99,950	107,450	114,950	120,950	121,720	121,720
Ann Arundel County	178,670	193,143	202,064	210,083	217,021	223,179	229,837
Charles County	41,668	46,497	51,330	58,867	66,405	71,251	76,095
Carroll County	52,501	57,450	62,200	66,950	71,700	75,460	75,460
Calvert County	25,447	27,258	29,068	31,049	33,033	34,829	36,627
St. Mary's County	30,641	33,542	36,441	39,522	42,604	45,500	48,399
King George County	6,223	7,338	8,450	9,218	9,986	10,786	11,584
City of Fredericksburg	8,102	9,951	11,584	12,680	13,551	14,434	15,121
Stafford County	30,713	36,060	41,409	46,928	52,442	57,988	63,528
Spotsylvania County	24,948	29,684	35,307	39,277	44,195	48,290	53,162
Fauquier County	20,211	23,303	26,872	30,986	35,729	41,199	47,506
Clarke County	4,942	5,438	5,934	6,292	6,649	7,102	7,555
Jefferson County	16,165	18,295	20,427	23,192	25,957	29,518	33,075
Baltimore City	243,824	254,384	256,491	259,828	264,102	267,282	267,282
Baltimore County	299,651	307,032	314,563	322,094	329,475	336,856	336,856
Harford County	81,247	88,134	94,430	99,408	104,416	109,574	109,574
Total	**2,768,883**	**2,995,898**	**3,188,190**	**3,367,347**	**3,511,918**	**3,629,169**	**3,709,471**

Source:- MWCOG round 6.3 Cooperative Forecast and BMC 2000 landuse data

Table 3
Washington / Baltimore Region
Employment by Jurisdiction

JURISDICTION	Employment						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	678,017	720,407	752,016	783,731	807,107	831,196	831,196
Montgomery County	542,497	582,458	627,473	657,439	677,421	692,383	702,368
Prince George's County	330,029	360,432	402,415	428,972	467,565	519,423	552,615
Arlington County	201,731	209,683	236,010	255,033	274,066	293,160	301,926
City of Alexandria	98,552	104,057	120,732	128,333	136,948	141,913	148,143
Fairfax County	573,027	635,248	694,622	720,163	750,400	778,498	801,075
Loudoun County	87,044	109,926	137,083	166,214	195,338	224,453	253,575
Prince William County	114,290	130,846	151,707	167,989	182,069	193,736	202,850
Frederick County	99,699	109,206	120,697	134,596	148,503	162,509	177,837
Howard County	160,004	180,010	199,999	214,983	230,006	245,005	249,898
Ann Arundel County	291,714	301,990	311,990	317,475	321,984	325,995	330,050
Charles County	50,101	56,451	62,888	64,767	66,797	67,947	69,100
Carroll County	68,286	73,516	76,804	79,098	80,592	81,604	81,604
Calvert County	25,904	29,397	32,897	33,698	34,498	35,053	35,599
St. Mary's County	49,597	55,753	61,906	63,505	65,096	66,153	67,199
King George County	9,210	11,253	13,293	15,175	17,056	22,760	28,462
City of Fredericksburg	18,995	26,645	34,291	39,152	44,009	48,699	53,387
Stafford County	25,319	31,838	38,344	43,782	49,210	54,459	59,700
Spotsylvania County	24,037	27,224	32,785	37,442	42,088	46,564	51,034
Fauquier County	17,229	19,722	22,314	24,908	29,203	32,158	35,413
Clarke County	4,390	4,722	5,055	5,386	5,718	6,032	6,364
Jefferson County	12,755	14,769	16,787	18,803	20,819	22,639	24,452
Baltimore City	459,931	490,502	499,684	509,088	517,621	524,969	534,025
Baltimore County	429,500	447,228	464,956	482,684	500,412	517,715	536,798
Harford County	90,315	100,802	109,509	115,499	119,922	124,516	129,809
Total	**4,462,173**	**4,834,085**	**5,226,257**	**5,507,915**	**5,784,448**	**6,059,539**	**6,264,479**

Source:- MWCOG round 6.3 Cooperative Forecast and BMC 2000 landuse data

4. Development of the Air Passenger Origin/ Destination Forecasts

The process of developing the air passenger origin/destination forecasts involved many steps. Generally this included, obtaining FAA enplanement forecasts by airport, forecasting enplanements through 2030 by airport, reviewing the 1998 and 2000 Air Passenger Survey data files, reviewing land-use data files, creation of AAZ, TAZ and district area system files, developing trip rates and factors, and distributing the air passenger forecasts of local originating trips from each AAZ to each of the three airports.

4.1 Air Passenger Enplanement Forecasts

The Federal Aviation Administration (FAA) Office of Aviation Policy and Plans (APO), produces the Terminal Area Forecast (TAF). The TAF is the official forecast of aviation activity of FAA facilities. The TAF is produced each year covering airports in the National Plan of Integrated Airport Systems (NPIAS). The forecast is made at the individual airport level and assumes an unconstrained demand for aviation services. Data in the TAF are presented on a U.S. government fiscal year basis (October through September), and generally cover 10 years of history and 15 or more years of forecast. However, the TAF data does not include local origins of air passengers within the region. This Terminal Area Forecast contains historical and forecast data for enplanements, airport operations and instrument operations.

Tables 4, 5, 6, and Figure 5 present historical and forecasts of air passenger enplanements for the three airports in the Washington/Baltimore region. Air passenger forecast between 2003 and 2020 were obtained from FAA's APO Terminal Area Forecast report.

Air passenger enplanement for the Baltimore/Washington International, are presented in Table 4. The Maryland Aviation Administration forecasted enplanement at BWI to reach over 20 million by 2020, double the 2000 volume. The MAA also forecasted a high growth scenario of enplanements through 2025. For the period between 2026 through 2030, forecasts were estimated using a trend analysis method, which assumed a constant growth rate of 1.2 percent per annum, to reach almost 23 million by 2030.

Enplanements at Dulles International Airport are projected to reach almost 20 million by 2020, double the 2000 volume. Table 5 shows observed, and MWAA (Metropolitan Washington Airport Authority) enplanement forecast for Dulles International Airport. Forecasts for the period 2021 through 2030 were developed based on the assumption of a 50 percent of the growth rate that MWAA used for the 2015 to 2020 period. Therefore, for the 2021 through 2030 annual increase was projected to be at 2.18 percent per annum. Enplanement at Dulles International will reach over 31.8 million by 2030.

At Ronald Reagan Washington National airport, enplanements are projected to reach 8.8 million by 2020, an increase of 23 percent over 2000. Forecast of enplanements for the period 2021 to 2030 were estimated using trend analysis method. The FAA estimated annual growth for Ronald Reagan National airport to be at constant average increase of almost 83,000. Therefore, the same assumptions were followed in forecasting enplanements for the period between 2021 and 2030 (see Table 6). By 2030, enplanement at Ronald Reagan National, are forecasted to reach more than 9.6 million.

Table 4
Air Passenger Enplanement Forecasts
Baltimore/Washington International Airport

Year	Enplanements	Change	% Change	
2000	9,802,000	1,486,418	17.88%	MAA Observed
2001	10,185,000	383,000	3.91%	
2002	9,506,000	-679,000	-6.67%	
2003	9,861,000	355,000	3.73%	MAA Forecast
2004	10,371,000	510,000	5.17%	
2005	10,881,000	510,000	4.92%	
2006	11,709,200	828,200	7.61%	
2007	12,537,400	828,200	7.07%	
2008	13,365,600	828,200	6.61%	
2009	14,193,800	828,200	6.20%	
2010	15,022,000	828,200	5.83%	
2011	15,622,800	600,800	4.00%	
2012	16,223,600	600,800	3.85%	
2013	16,824,400	600,800	3.70%	
2014	17,425,200	600,800	3.57%	
2015	18,026,000	600,800	3.45%	
2016	18,472,000	446,000	2.47%	
2017	18,918,000	446,000	2.41%	
2018	19,364,000	446,000	2.36%	
2019	19,810,000	446,000	2.30%	
2020	20,256,000	446,000	2.25%	
2021	20,521,000	265,000	1.31%	
2022	20,786,000	265,000	1.29%	
2023	21,051,000	265,000	1.27%	
2024	21,316,000	265,000	1.26%	
2025	21,581,000	265,000	1.24%	
2026	21,846,000	265,000	1.23%	Forecast based on MAA trend
2027	22,111,000	265,000	1.21%	
2028	22,376,000	265,000	1.20%	
2029	22,641,000	265,000	1.18%	
2030	22,906,000	265,000	1.17%	

Source: Baltimore/Washington International Airport Aviation Activity Forecasts, February 2004, P. A1

Table 5
Air Passenger Enplanement Forecasts
Washington Dulles International Airport

Year	Enplanements	Change	% Change	
2000	9,752,431	853,721	9.59%	FAA APO forecast
2001	8,802,451	-949,980	-9.74%	
2002	8,515,498	-286,953	-3.26%	
2003	8,893,440	377,942	4.44%	
2004	9,447,450	554,010	6.23%	
2005	10,001,460	554,010	5.86%	
2006	10,896,204	894,744	8.95%	
2007	11,870,992	974,788	8.95%	
2008	12,932,987	1,061,995	8.95%	
2009	14,089,988	1,157,001	8.95%	
2010	15,350,500	1,260,512	8.95%	
2011	16,380,311	1,029,811	6.71%	MWAA forecast
2012	17,479,209	1,098,898	6.71%	
2013	18,651,828	1,172,619	6.71%	
2014	19,903,114	1,251,286	6.71%	
2015	21,238,349	1,335,235	6.71%	
2016	22,065,281	826,932	3.89%	
2017	22,924,410	859,129	3.89%	
2018	23,816,991	892,581	3.89%	
2019	24,744,324	927,333	3.89%	
2020	25,707,760	963,436	3.89%	
2021	26,268,544	560,784	2.18%	
2022	26,841,561	573,017	2.18%	
2023	27,427,077	585,516	2.18%	
2024	28,025,366	598,289	2.18%	
2025	28,636,705	611,340	2.18%	Extrapolation
2026	29,261,380	624,675	2.18%	(50% of 2015-20 Grow
2027	29,899,682	638,302	2.18%	
2028	30,551,908	652,226	2.18%	
2029	31,218,361	666,453	2.18%	
2030	31,899,352	680,991	2.18%	

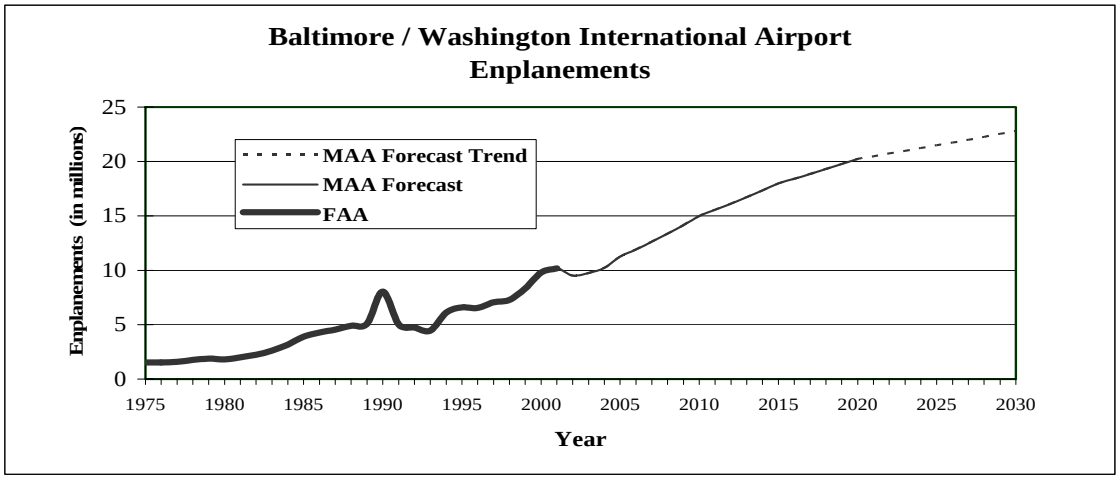
Source: Washington Dulles International Airport, Updated Activity Forecasts and Simulation. MWAA, July 2003, Page 2

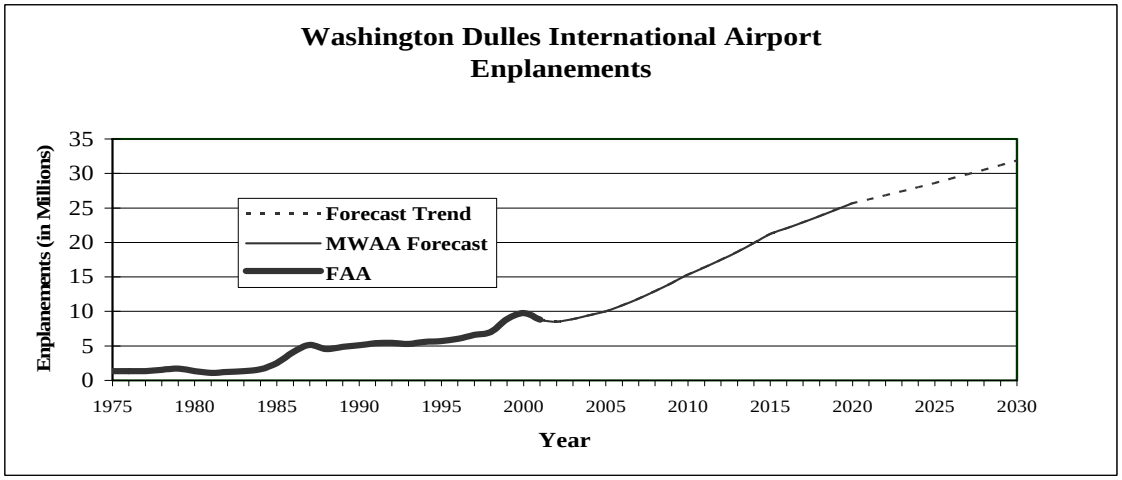
Table 6
Air Passenger Enplanement Forecasts
Ronald Reagan Washington National Airport

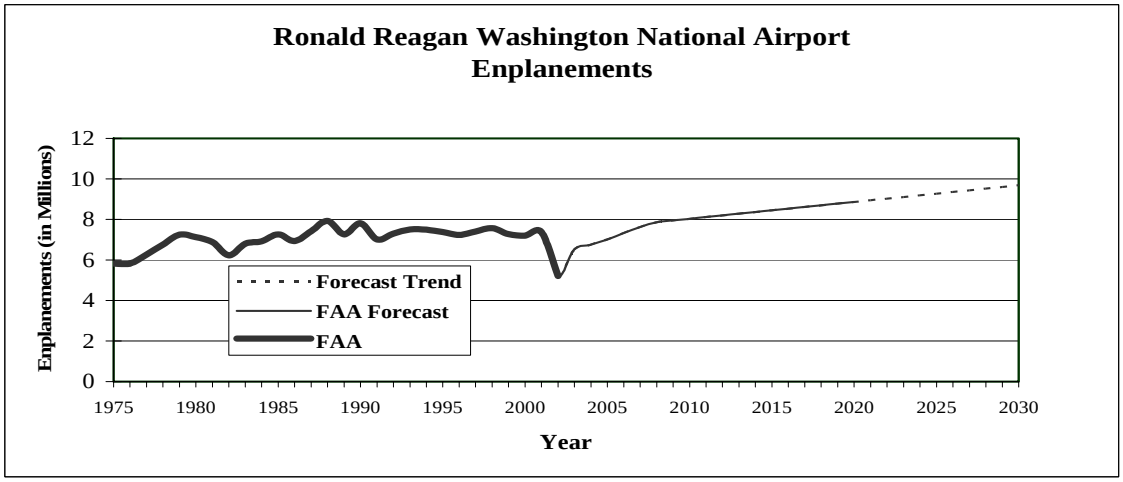
Year	Enplanements	Change	% Change	
2000	7,195,127	-82,569	-1.13%	
2001	7,374,029	178,902	2.49%	FAA APO forecast
2002	5,211,436	-2,162,593	-29.33%	
2003	6,525,404	1,313,968	25.21%	
2004	6,759,435	234,031	3.59%	
2005	7,012,889	253,454	3.75%	
2006	7,327,683	314,794	4.49%	
2007	7,625,669	297,986	4.07%	
2008	7,869,588	243,919	3.20%	
2009	7,952,145	82,557	1.05%	
2010	8,034,703	82,558	1.04%	
2011	8,117,260	82,557	1.03%	
2012	8,199,818	82,558	1.02%	FAA APO forecast
2013	8,282,375	82,557	1.01%	
2014	8,364,932	82,557	1.00%	
2015	8,447,490	82,558	0.99%	
2016	8,530,048	82,558	0.98%	
2017	8,612,605	82,557	0.97%	
2018	8,695,162	82,557	0.96%	
2019	8,777,719	82,557	0.95%	
2020	8,860,278	82,559	0.94%	
2021	8,942,835	82,557	0.93%	
2022	9,025,392	82,557	0.92%	
2023	9,107,950	82,557	0.91%	
2024	9,190,507	82,557	0.91%	
2025	9,273,065	82,557	0.90%	
2026	9,355,622	82,557	0.89%	Trend
2027	9,438,179	82,557	0.88%	
2028	9,520,737	82,557	0.87%	
2029	9,603,294	82,557	0.87%	
2030	9,685,852	82,557	0.86%	

FAA Forecast Source: APO Terminal Area Forecast Detail Report

Figure 5


Baltimore / Washington International Airport
Enplanements
Enplanements (in millions)
25
20
15
10
5
0
MAA Forecast Trend
MAA Forecast
FAA
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
Year


Washington Dulles International Airport
Enplanements
Enplanements (in Millions)
35
30
25
20
15
10
5
0
Forecast Trend
MWAA Forecast
FAA
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
Year


Ronald Reagan Washington National Airport
Enplanements
Enplanements (in Millions)
12
10
8
6
4
2
0
Forecast Trend
FAA Forecast
FAA
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
Year

5. Review of Recent Air Passenger Survey Data

The 1998 Air Passenger Survey data file (Airsvy98.txt) and 2000 Air Passenger Survey data file (Airsvy00.txt) were reviewed, analyzed and manipulated to produce AAZ (Aviation Analysis Zone) output calibration data files. The development of the calibration file was based on those trips that were made to the three airports by ground transportation, and therefore, the analysis does not include passengers who made connecting trips. The 1998 survey data file initially had 10,496 records, and with the exclusion of the connecting passengers the number of records used for the calibration process was 7,700 records. Following the same principle, of the 2000 air passenger survey's initial 12,476 records, 10,241, were trips made to the airports by ground transportation.

The Washington/Baltimore region is divided into 90 Aviation Analysis Zones, including the outlying areas of Delaware, Maryland, New Jersey, Pennsylvania, Virginia and West Virginia. The zone names are listed on Appendix A, Table 9 (including the outlying areas) and are shown on Figure 2 The 1998 and 2000 air passenger survey data files are geo-coded to include the AAZ numbers. The boundary and sizes of some of the AAZ's, especially those in the outer suburban jurisdictions were found to be too large and therefore subdivided into smaller districts. As a result, the 83 AAZ's were divided into 399 districts (see Figure 3). The new district numbers were also incorporated into the 1998 and 200 air passenger survey data files.

Both the 1998 and 2000 air passenger survey data files were geo-coded to include trip origin TAZs and AAZs. As a part of this study, the MWCOG and BMC region TAZ zone system were also merged to create one combined regional system. Therefore, TAZ's in the Baltimore Metropolitan Council region of Baltimore City, Baltimore County and Harford County were renumbered based on MWCOG's TAZ numbering system. The combined MWCOG and BMC regional TAZ system has 2,604 zones (see Figure 4).

5.1 Market Segmentation

Three separate data files, one for each airport, were extracted and summarized by AAZ for both 1998 and 2000. The files were created based on resident status, trip origin, trip purpose and combination of resident status trip origin, and resident status trip purpose. The calibration files,

Raw_Data_BWI.Dat, Raw_Data_DCA.Dat and Raw_Data_IAD.Dat , have one record for each AAZ. Total airport originating trips by AAZ for 2000, based on the 2000 Air Passenger Survey data is shown in Table 8.

Table 7
Washington / Baltimore Regional Airports
Local and Internal AAZ Originating Trips

	Local Originating Trips			Internal AAZ Originating Trips		
Year	**BWI**	**DCA**	**IAD**	**BWI**	**DCA**	**IAD**
2000	8,429,720	6,763,419	6,046,507	7,101,034	6,613,260	5,444,580
2001	8,759,100	6,931,587	5,457,520	7,378,497	6,777,694	4,914,226
2002	8,175,160	4,898,750	5,279,609	6,886,597	4,789,989	4,754,026
2003	8,480,460	6,133,880	5,513,933	7,143,776	5,997,697	4,965,023
2004	8,919,060	6,353,869	5,857,419	7,513,244	6,212,802	5,274,315
2005	9,357,660	6,592,116	6,200,905	7,882,712	6,445,760	5,583,608
2006	10,069,912	6,888,022	6,755,646	8,482,700	6,735,096	6,083,125
2007	10,782,164	7,168,129	7,360,015	9,082,687	7,008,984	6,627,329
2008	11,494,416	7,397,413	8,018,452	9,682,674	7,233,178	7,220,218
2009	12,206,668	7,475,016	8,735,793	10,282,662	7,309,058	7,866,148
2010	12,918,920	7,552,621	9,517,310	10,882,649	7,384,940	8,569,866
2011	13,435,608	7,630,224	10,155,793	11,317,897	7,460,821	9,144,788
2012	13,952,296	7,707,829	10,837,110	11,753,145	7,536,702	9,758,280
2013	14,468,984	7,785,433	11,564,133	12,188,393	7,612,583	10,412,929
2014	14,985,672	7,863,036	12,339,931	12,623,641	7,688,463	11,111,496
2015	15,502,360	7,940,641	13,167,776	13,058,889	7,764,345	11,856,930
2016	15,885,920	8,018,245	13,680,474	13,381,993	7,840,227	12,318,589
2017	16,269,480	8,095,849	14,213,134	13,705,096	7,916,107	12,798,223
2018	16,653,040	8,173,452	14,766,534	14,028,200	7,991,988	13,296,532
2019	17,036,600	8,251,056	15,341,481	14,351,303	8,067,869	13,814,243
2020	17,420,160	8,328,661	15,938,811	14,674,407	8,143,751	14,352,109
2021	17,648,060	8,406,265	16,286,497	14,866,386	8,219,631	14,665,183
2022	17,875,960	8,483,869	16,641,768	15,058,364	8,295,513	14,985,087
2023	18,103,860	8,561,473	17,004,788	15,250,343	8,371,394	15,311,968
2024	18,331,760	8,639,077	17,375,727	15,442,321	8,447,275	15,645,980
2025	18,559,660	8,716,681	17,754,757	15,634,300	8,523,156	15,987,279
2026	18,787,560	8,794,285	18,142,056	15,826,278	8,599,037	16,336,022
2027	19,015,460	8,871,889	18,537,803	16,018,257	8,674,918	16,692,373
2028	19,243,360	8,949,493	18,942,183	16,210,235	8,750,799	17,056,497
2029	19,471,260	9,027,097	19,355,384	16,402,214	8,826,680	17,428,564
2030	19,699,160	9,104,701	19,777,598	16,594,193	8,902,561	17,808,747

Note:-

- Local originating trips are calculated based on the 1988 and 2000 Air Passenger Survey data to be 86% for BWI, 94% for DCA and 62% for IAD, of the total enplanements, shown on Tables 5, 6 and 7, respectively.

- Internal originating trips are calculated based on the 1998 and 2000 Air Passenger Survey data to be 84% for BWI, 97% for DCA and 90% for IAD, of the total local originating trips, that are within the 83 internal AAZ's listed on Appendix A, Table 9.

These data does not inlude external zones for PA, DE, WV, NJ or external VA and MD

5.2 Estimation of Rates

A Microsoft Excel workbook was created to read these files to develop air passenger trip rates for each airport and AAZ. These trip rates were then used to calculate total air passenger trips to each airport of trips originating from the 83 internal AAZ's , by household and employment. The units are air passenger trip origins per household and/or per employment by AAZ.

$$\text{Household Trip Rate}_{(\text{Airport X})} = \frac{\text{AAZ}_X \text{ Origin Home Trips }_{(2000)}}{\text{AAZ}_X \text{ Number of Household }_{(2000)}}$$

$$\text{Employment Trip Rate}_{(\text{Airport X})} = \frac{\text{AAZ}_X \text{ Origin Home Trips }_{(2000)}}{\text{AAZ}_X \text{ Number of Employment }_{(2000)}}$$

The average trip rate for household and employment for each of the airports is as follows:-

Airport	Household	Employment
BWI	1.51	0.62
DCA	1.09	0.95
IAD	1.29	0.44

Once the trip rates were developed, the next step was to use these rates to distribute total forecasted enplanements by AAZ. Table 8, shows total originating air passenger trips by AAZ for the base year 2000, and for forecast years of 2005, 2010, 2015, 2020, 2025, and 2030, originating air passenger trips are presented in Appendix A, Tables 10 through 15 respectively. Total originating air passenger trips to each airport by AAZ for current year of 2000 were calculated based on the 2000 Air Passenger Survey data, while for household and employment trip factors listed above, land-use data were used to produce enplanement forecasts. Based on the 1998 and 2000 Air Passenger Survey data, local and internal originating trips were calculated. Local originations are defined as those trips originating at the three airports, not including connection trips, and internal originating trips were defined as those trips originating from within the 83 internal AAZ's (See

Appendix A, Table 1 for AAZ list). Table 7 shows local and internal air passenger trips for the base year 2000 and forecast years.

Next, the 2000 Air Passenger Survey data was used to develop factors for each airport by AAZ. The factors are by resident status, trip origin, trip purpose and combination of resident status trip origin, and resident status trip purpose.

Table 8
Air Passenger Originating Trips by AAZ
2000

AAZ	BWI	DCA	IAD	Total
1	539,607	24,552	13,053	577,212
2	91,488	0	0	91,488
3	12,891	1,219	42,362	56,472
4	83,762	0	20,692	104,454
5	30,700	0	0	30,700
6	69,418	1,688	2,068	73,174
7	54,096	0	6,885	60,981
8	52,489	0	0	52,489
9	60,473	0	4,901	65,374
10	195,493	0	16,948	212,441
11	134,585	0	4,628	139,213
12	177,375	0	2,264	179,639
13	85,738	2,313	0	88,051
14	84,404	0	0	84,404
15	343,298	1,089	1,936	346,323
16	86,545	7,553	2,702	96,799
17	65,400	0	0	65,400
18	136,093	4,875	5,286	146,254
19	225,582	38,188	11,501	275,272
20	73,995	12,158	3,080	89,233
21	128,166	20,327	3,790	152,283
22	270,205	9,587	19,726	299,518
23	181,938	5,628	12,843	200,409
24	99,452	2,602	4,134	106,188
25	161,888	0	432	162,320
26	93,126	8,114	1,676	102,916
27	81,395	0	3,971	85,365
28	93,906	7,553	2,106	103,565
29	286,449	1,121,110	295,931	1,703,491
30	96,404	413,694	162,097	672,196
31	56,070	144,671	34,898	235,639
32	8,018	63,190	2,380	73,588
33	31,688	63,546	45,100	140,334
34	47,865	189,699	57,002	294,566
35	70,070	375,600	111,357	557,026
36	16,493	81,979	21,918	120,389
37	56,600	196,859	53,141	306,601
38	45,144	216,763	57,177	319,084
39	50,719	227,921	31,562	310,202
40	4,745	41,992	2,072	48,809
41	23,930	13,586	27,097	64,614

Note:- trips do not include external AAZ's

Table 8 cont…
Air Passenger Originating Trips by AAZ
2000

AAZ	BWI	DCA	IAD	Total
42	26,423	61,186	6,222	93,831
43	72,643	272,330	84,849	429,822
44	125,187	359,862	157,043	642,092
45	12,146	38,893	46,144	97,184
46	78,771	227,240	118,870	424,881
47	27,148	298,481	105,093	430,721
48	10,174	46,224	82,622	139,020
49	164,713	218,776	210,020	593,510
50	75,170	45,335	52,419	172,924
51	88,974	33,706	50,096	172,776
52	39,757	52,768	9,375	101,899
53	11,264	12,310	2,864	26,438
54	21,981	39,532	54,883	116,396
55	56,303	170,044	244,246	470,593
56	30,078	108,304	374,134	512,517
57	26,631	103,288	85,039	214,958
58	211,765	198,289	191,983	602,037
59	62,096	34,540	32,157	128,793
60	112,624	13,428	24,254	150,306
61	228,630	24,595	16,683	269,909
62	187,232	46,266	48,620	282,119
63	61,196	32,264	21,266	114,726
64	31,981	61,627	5,475	99,082
65	82,399	124,730	785,849	992,978
66	24,446	12,229	36,839	73,514
67	21,621	44,109	363,257	428,987
68	85,133	105,533	190,325	380,991
69	87,436	172,075	276,212	535,723
70	29,089	11,340	268,096	308,525
71	100,571	25,353	83,403	209,327
72	18,886	77,903	79,691	176,480
73	153,091	46,891	94,704	294,686
74	52,513	24,982	3,360	80,854
75	57,764	11,323	0	69,088
76	75,057	30,093	15,035	120,184
77	4,528	23,520	4,214	32,261
78	14,176	55,164	9,765	79,105
79	5,551	11,259	17,525	34,335
80	2,035	18,060	31,642	51,736
81	757	19,999	31,915	52,671
82	6,714	0	21,339	28,053
83	8,675	1,354	18,335	28,364
Total	**7,101,034**	**6,613,260**	**5,444,580**	**19,158,874**

Note:- trips do not include external AAZ's

5.3 Resident and Non-Resident Trips

$$\text{Resident factor for Airport}_{(A)}\ AAZ_{(X)} = \frac{\text{Resident Trips } (AAZ_X)_{\text{ (Year 2000)}}}{\text{Total Trips } (AAZ_X)_{\text{ (Year 2000)}}}$$

$$\text{Non-Resident factor for Airport}_{(A)}\ AAZ_{(X)} = \frac{\text{Non-Resident Trips } (AAZ_X)_{\text{ (Year 2000)}}}{\text{Total Trips } (AAZ_X)_{\text{ (Year 2000)}}}$$

The average factors for resident and non-resident for each of the airports is as follows:-

Airport	Resident	Non-Resident
BWI	0.40	0.59
DCA	0.31	0.69
IAD	0.45	0.55

The factors developed in this step were used to estimate Resident and Non-Resident trips by AAZ by airport, for forecast years. Therefore, the formula used to estimate resident and non-resident trips are:-

Resident Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Resident factor for $AAZ_{(X)}$* Total trips $AAZ_{(X)}$

Non-Resident Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Non-Resident factor for $AAZ_{(X)}$* Total trips $AAZ_{(X)}$

(See Table 20 and 21 in Appendix A, for resident and non-resident air passenger originating trips by jurisdiction.)

5.4 Work and Non-Work Trips

A. Resident Work factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Resident Work Trips } (AAZ_X)_{\text{ (Year 2000)}}}{\text{Total Resident Trips } (AAZ_X)_{\text{ (Year 2000)}}}$$

B. Resident Non-Work factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Resident Non-Work Trips } (AAZ_X)_{\text{ (Year 2000)}}}{\text{Total Resident Trips } (AAZ_X)_{\text{ (Year 2000)}}}$$

C. Non-Resident Work factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Non-Resident Work Trips } (AAZ_X)_{\text{ (Year 2000)}}}{\text{Total Non-Resident Trips } (AAZ_X)_{\text{ (Year 2000)}}}$$

D. Non-Resident Non-Work factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Non-Resident Non-Work Trips } (AAZ_X)_{\text{ (Year 2000)}}}{\text{Total Non-Resident Trips } (AAZ_X)_{\text{ (Year 2000)}}}$$

The average factors for resident work, resident non-work, non-resident work and non-resident non-work for each of the airports, is as follows:-

Airport	Resident		Non-Resident	
	Work	Non-Work	Work	Non-Work
BWI	0.44	0.56	0.43	0.57
DCA	0.54	0.46	0.62	0.38
IAD	0.51	0.49	0.48	0.52

The factors developed in this step were used to estimate Resident and Non-Resident work trips by AAZ by airport, for forecast years. Therefore, the formula used to distribute resident and non-resident work trips are:-

Resident Work Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Resident work factor for AAZ$_{(X)}$* Resident trips AAZ$_{(X)}$Year$_{(Y)}$

Resident Non-Work Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Resident non-work factor for AAZ$_{(X)}$* Resident trips AAZ$_{(X)}$ Year$_{(Y)}$

Non-Resident Work Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Non-Resident work factor for AAZ$_{(X)}$* Non-Resident trips AAZ$_{(X)}$ Year$_{(Y)}$

Non-Resident Non-Work Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Non-Resident non-work factor for AAZ$_{(X)}$* Non-Resident trips AAZ$_{(X)}$ Year$_{(Y)}$

(See Table 22 and 23 in Appendix A, for work and non-work air passenger originating trips by jurisdiction.)

5.5 Home and Non-Home Origin Trips

A. Resident Origin Home factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Resident Origin Home Trips } (AAZ_X)_{\text{(Year 2000)}}}{\text{Total Resident Trips } (AAZ_X)_{\text{(Year 2000)}}} * \frac{\text{Total Resident Trips } (AAZ_X)_{\text{(Year 2000)}}}{\text{Total Trips } (AAZ_X)_{\text{(Year 2000)}}}$$

B. Resident Origin Non-Home factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Resident Origin Non-Home Trips } (AAZ_X)_{\text{(Year 2000)}}}{\text{Total Resident Trips } (AAZ_X)_{\text{(Year 2000)}}} * \frac{\text{Total Resident Trips } (AAZ_X)_{\text{(Year 2000)}}}{\text{Total Trips } (AAZ_X)_{\text{(Year 2000)}}}$$

C. Non-Resident Origin Home factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Non-Resident Origin Home Trips}(AAZ_X)_{\text{(Year 2000)}}}{\text{Total Non-Resident Trips } (AAZ_X)\ )_{\text{(Year 2000)}}} * \frac{\text{Total Non-Resident Trips}(AAZ_X)_{\text{(Year 2000)}}}{\text{Total Trips } (AAZ_X)_{\text{(Year 2000)}}}$$

D. Non-Resident Origin Non-Home factor for Airport$_{(A)}$ AAZ$_{(X)}$ =

$$\frac{\text{Non-Resident Origin Non-HomeTrips } (AAZ_X)_{\text{(Year 2000)}}}{\text{Total Non-Resident Trips } (AAZ_X)_{\text{(Year 2000)}}} * \frac{\text{Total Non-Resident Trips } (AAZ_X)_{\text{(Year 2000)}}}{\text{Total Trips } (AAZ_X)_{\text{(Year 2000)}}}$$

The average factors for resident and non-resident origin home and non-home for each of the airports is as follows:-

Airport	Resident Origin		Non-Resident Origin	
	Home	Non-Home	Home	Non-Home
BWI	0.34	0.06	0.26	0.34
DCA	0.25	0.06	0.16	0.52
IAD	0.40	0.05	0.24	0.31

The factors developed in this step were used to estimate Resident and Non-Resident origin home and non-home work trips by AAZ by airport, for forecast years. Therefore, the formula used to distribute the trips are:-

Resident Origin Home Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Resident origin home factor for $AAZ_{(X)}$* Total trips $AAZ_{(X)}Year_{(Y)}$

Resident Origin Non-Home Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Resident origin non-home factor for $AAZ_{(X)}$* Total trips $AAZ_{(X)}Year_{(Y)}$

Non-Resident Origin Home Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Non-Resident origin home factor for $AAZ_{(X)}$* Total trips $AAZ_{(X)}Year_{(Y)}$

Non-Resident Origin Non-Home Trips for Airport$_{(A)}$AAZ$_{(X)}$Year$_{(Y)}$ =
Non-Resident origin non-home factor for $AAZ_{(X)}$* Total trips $AAZ_{(X)}Year_{(Y)}$

Conclusion

This report documents the procedures used for forecasting enplanement at the three major airport in the Washington / Baltimore region, as well as the distribution of air passenger originating trips into Transportation Analysis Zones. The purpose of the enplanement forecast are to provide control totals to be used as a base for distributing air passengers origin/destinations for future years.

The air passenger origin/destination updates develops a technique to distribute air passenger characteristics based on resident status, trip origin, trip purpose and combination of resident status trip origin, and resident status trip purpose. Characteristics such as arrival mode to the airports, travel time to the airports by trip origin, and airport choice and others were not analyzed. However, these characteristics in combination with resident status and trip purpose can also be tested.

The results documented in this report are based on the 1998 and 2000 air passenger survey data, and the Round 6.3 Cooperative land-use data for the MWCOG region and the 2000 land-use data provided for the BMC region.

Air passenger originations within the study area increased from 19.2 million trips in 2000, doubling to over 43.3 million in 2030. It should be noted that, trip rates for both households and employment were kept at a constant using the 2000 value (household and employment forecast for Baltimore City, Baltimore County and Harford County for 2030 were calculated based on percent change between 2020 and 2025. Total air passenger originating trips by AAZ for the forecast years 2005 through 2030 are documented in Appendix A, Tables 10 to 15.

Though the increase in household and employment between 2000 and 2030 is evident in all the jurisdictions, a significant increase is observed in the outer suburban counties, such as Loudoun, Prince William, Spotsylvania, King George, Stafford, Frederick and Jefferson counties. These increases in household and employment result in the more than doubling of originating air passenger trips. Table 19, Appendix A, shows originating air passenger trips summary by

jurisdiction to the three commercial airports. Overall originating air passenger trips, increased by 3 times the household and employment increase.

The combined inner jurisdictions of the District of Columbia, Montgomery, Prince Georges, Fairfax, Arlington counties and the City of Alexandria accounted almost 70% of the total originating trips in 2000, and almost 34% of them come from the District. Though the outer suburban counties show a higher increase in originating air passenger trips between 2000 and 2030, the inner jurisdictions will continue to represent the majority of the region's air passenger trips.

Analysis by resident status of air passengers indicates that almost 64% of the total resident air passenger trips are from the inner jurisdictions. A similar pattern is also true for non-resident passengers. Fairfax County alone accounted for 22% of resident air passengers and the District of Columbia with almost 30% of total non-resident passengers. By 2030 Fairfax County still generates the most resident trips and the District of Columbia with the most non-resident trips. Work and non-work purpose trips also reflect a much similar patter of distribution.

Work purpose trips more than doubled between 2000 and 2030 regionally. The majority of the jurisdictions show a more than doubling of work purpose air passenger trips. In 2000, a little over a quarter of all work purpose trips come from the District of Columbia, and by 2030 the District still shows (22%) a greater share when compared with other jurisdictions followed by Fairfax (18%) and Montgomery Counties (11%). Non-work related purpose trips between 2000 and 2030 also increased by 126%. More than half of the work and non-work related purpose trips increase come from the inner jurisdictions.

This report outlined the techniques used to forecast and distribute air passenger originating trips using the 1998 and 2000 Air Passenger survey data and land-use forecast. Household and employment trip factors were made to remain constant at the 2000 level for this study. However, changing the trip rates for both household and employment for each forecast year may result a much similar pattern.

Appendix A

Table 9
List of Aviation Analysis Zones

AAZ No.	Zone Name	JURISDICTION
1	Baltimore Metro Center	Baltimore City
2	East Baltimore	Baltimore City
3	West Baltimore	Baltimore City
4	Rosemont	Baltimore City
5	South Baltimore	Baltimore City
6	Canton	Baltimore City
7	Clifton	Baltimore City
8	Northwood	Baltimore City
9	Park Heights	Baltimore City
10	Catonsville	Baltimore County
11	Pikesville	Baltimore County
12	Towson	Baltimore County
13	Overlea	Baltimore County
14	Essex	Baltimore County
15	Glen Burnie	Anne Arundel County
16	BWI Business District	Anne Arundel County
17	Marley Neck	Anne Arundel County
18	Severna Park	Anne Arundel County
19	Annapolis	Anne Arundel County
20	Crofton	Anne Arundel County
21	Fort Mead	Anne Arundel County
22	Columbia	Howard County
23	Greater Howard County	Howard County
24	Reisterstown	Baltimore County
25	Timonium	Baltimore County
26	Aberdeen	Harford County
27	Bel Air	Harford County
28	Caroll County	Carroll County
29	Downtown DC	District of Columbia
30	Union Station	District of Columbia
31	Southwest DC	District of Columbia
32	Pentagon	Arlington County
33	West Anacostia	District of Columbia
34	Georgetown	District of Columbia
35	Rosslyn	Arlington County
36	South Arlington	Arlington County
37	Crystal City	Arlington County
38	Ronal Reagan / National Airport	Arlington County
39	Old Town Alexandria	City of Alexandria
40	East Anacostia	District of Columbia
41	New York Avenue	District of Columbia
42	Northeast DC	District of Columbia
43	Rock Creek Park	District of Columbia
44	Northwest DC	District of Columbia
45	North Arlington	Arlington County

Table 9 cont…
List of Aviation Analysis Zones

AAZ No.	Zone Name	JURISDICTION
46	Springfield	Fairfax County
47	Duke-Arlington	Fairfax County
48	Falls Church	Fairfax County
49	Bethesda	Montgomery County
50	Silver Spring	Montgomery County
51	College Park	Prince George's County
52	Seat Pleasant	Prince George's County
53	Suitland	Prince George's County
54	Fort Belvoir	Fairfax County
55	Fairfax City	Fairfax County
56	Vienna	Fairfax County
57	Potomac	Montgomery County
58	Rockville	Montgomery County
59	Wheaton	Montgomery County
60	Northeast Montgomery	Montgomery County
61	Beltsville	Prince George's County
62	Bowie	Prince George's County
63	Upper Marlboro	Prince George's County
64	Oxon Hill	Prince George's County
65	West Fairfax	Fairfax County
66	Dulles / Sterling	Loudoun County
67	Reston	Loudoun County
68	Germantown	Montgomery County
69	Pince William	Prince William/Man
70	Greater Loudoun County	Loudoun County
71	Gaithersburg	Montgomery County
72	McLean	Fairfax County
73	Frederick County	Frederick County
74	Calvert County	Clavert County
75	St. Mary's County	St. Mary's County
76	Charles County	Charles County
77	King George County	King George County
78	Stafford County	Stafford County
79	City of Fredericksburg	Fredericksburg
80	Sposylvania County	Spotsylvania County
81	Fauquir County	Fauquier County
82	Clark County	Clarke County
83	Jefferson County	Jefferson County
84	Outer Maryland	External
85	Outer Virginia	External
86	Outer West Virginia	External
87	Pennsylvania	External
88	Delaware	External
89	New Jersey	External
90	Other	External

Table 10
Air Passenger Originating Trips by AAZ
2005

AAZ	BWI	DCA	IAD	Total
1	613,983	23,751	13,523	651,256
2	95,012	0	0	95,012
3	13,802	1,140	38,804	53,746
4	87,471	0	19,164	106,634
5	34,661	0	0	34,661
6	80,388	1,639	2,036	84,063
7	56,399	0	6,359	62,758
8	54,429	0	0	54,429
9	62,802	0	4,476	67,278
10	204,466	0	15,657	220,123
11	143,572	0	4,370	147,942
12	184,489	0	2,084	186,573
13	92,426	2,180	0	94,605
14	88,946	0	0	88,946
15	366,084	1,011	1,823	368,918
16	88,645	6,720	2,437	97,802
17	74,122	0	0	74,122
18	148,413	4,668	5,131	158,213
19	246,303	36,035	11,205	293,543
20	82,524	11,885	3,052	97,461
21	149,636	20,621	3,918	174,175
22	306,551	9,267	19,782	335,599
23	213,310	5,708	13,361	232,379
24	113,662	2,555	4,114	120,331
25	171,007	0	406	171,413
26	108,369	8,409	1,761	118,538
27	90,425	0	3,906	94,330
28	106,372	7,478	2,114	115,964
29	325,953	1,116,077	295,724	1,737,754
30	110,647	414,946	164,253	689,845
31	58,542	131,916	32,268	222,726
32	8,283	56,931	2,183	67,397
33	36,956	62,507	47,801	147,263
34	50,507	172,125	52,919	275,551
35	79,680	373,744	111,938	565,361
36	16,884	74,382	19,935	111,201
37	64,991	188,756	50,577	304,324
38	46,757	201,149	52,445	300,351
39	54,859	216,238	30,317	301,414
40	5,276	41,258	2,150	48,684
41	25,926	12,701	25,792	64,420

Note:- forecast trips do not include external AAZ's

Table 10 cont…
Air Passenger Originating Trips by AAZ
2005

AAZ	BWI	DCA	IAD	Total
42	27,567	56,043	5,795	89,406
43	77,081	252,048	80,614	409,743
44	130,858	328,382	145,480	604,720
45	12,695	35,603	42,816	91,114
46	92,415	231,424	123,133	446,972
47	29,756	284,968	102,149	416,873
48	10,603	42,100	76,801	129,505
49	182,756	212,578	204,177	599,511
50	79,283	41,753	48,786	169,822
51	96,357	31,732	47,824	175,913
52	42,781	49,678	8,938	101,397
53	11,872	11,290	2,662	25,824
54	29,650	46,169	64,812	140,631
55	60,664	160,028	233,071	453,763
56	34,112	106,393	372,671	513,176
57	28,959	98,782	82,034	209,775
58	233,748	191,310	187,582	612,639
59	68,238	33,391	31,531	133,161
60	121,017	12,606	23,080	156,703
61	255,115	24,105	16,823	296,043
62	210,588	45,982	48,218	304,788
63	70,798	32,323	22,006	125,128
64	35,148	60,826	5,531	101,505
65	96,895	130,636	822,741	1,050,272
66	30,278	13,233	40,408	83,919
67	25,183	44,402	376,488	446,073
68	100,338	108,572	199,040	407,950
69	106,932	184,211	299,094	590,237
70	48,751	16,604	383,214	448,569
71	111,324	24,633	82,108	218,065
72	20,343	74,283	77,959	172,585
73	172,592	46,255	94,720	313,567
74	59,138	24,214	3,416	86,768
75	66,145	11,358	0	77,503
76	86,968	30,481	15,397	132,846
77	5,669	25,917	4,557	36,143
78	17,239	61,049	10,516	88,804
79	8,065	13,059	20,845	41,970
80	2,446	19,327	34,532	56,305
81	904	20,829	33,678	55,411
82	7,652	0	21,484	29,136
83	10,264	1,386	19,090	30,740
Total	**7,882,712**	**6,445,760**	**5,583,608**	**19,912,080**

Note:- forecast trips do not include external AAZ's

Table 11
Air Passenger Originating Trips by AAZ
2010

AAZ	BWI	DCA	IAD	Total
1	812,983	24,660	19,160	856,803
2	126,095	0	0	126,095
3	18,218	1,182	54,273	73,673
4	114,711	0	26,858	141,568
5	47,061	0	0	47,061
6	107,469	1,694	2,861	112,025
7	74,017	0	8,916	82,933
8	71,841	0	0	71,841
9	82,734	0	6,271	89,005
10	270,220	0	22,048	292,268
11	193,385	0	6,286	199,671
12	242,486	0	2,924	245,410
13	125,716	2,330	0	128,045
14	118,415	0	0	118,415
15	493,689	1,072	2,628	497,389
16	116,496	6,922	3,413	126,832
17	102,410	0	0	102,410
18	200,542	4,963	7,418	212,922
19	335,695	38,533	16,327	390,555
20	112,585	12,779	4,463	129,828
21	209,400	22,594	5,857	237,850
22	422,831	9,929	29,123	461,883
23	310,780	6,608	20,747	338,135
24	163,179	2,843	6,226	172,247
25	228,190	0	581	228,770
26	155,617	9,568	2,725	167,910
27	125,145	0	5,774	130,919
28	150,565	8,324	3,200	162,089
29	445,443	1,199,222	429,092	2,073,757
30	154,196	454,335	243,868	852,399
31	77,554	427,081	45,664	550,300
32	10,893	59,006	3,052	72,952
33	56,213	71,715	79,866	207,794
34	68,732	181,450	76,493	326,675
35	121,148	449,056	180,526	750,731
36	21,993	81,765	28,199	131,957
37	96,160	219,102	79,791	395,053
38	65,566	223,961	78,559	368,085
39	75,519	234,156	44,626	354,301
40	7,140	43,946	3,135	54,221
41	34,265	13,395	36,785	84,445

Note:- forecast trips do not include external AAZ's

Table 11 cont…
Air Passenger Originating Trips by AAZ
2010

AAZ	BWI	DCA	IAD	Total
42	36,665	58,877	8,309	103,852
43	102,582	263,824	113,613	480,019
44	171,855	338,549	204,206	714,609
45	16,838	36,603	59,864	113,304
46	132,405	261,095	188,671	582,171
47	42,380	320,989	154,940	518,309
48	14,215	44,337	110,261	168,813
49	245,542	224,414	292,633	762,589
50	107,978	44,662	70,919	223,559
51	132,747	33,944	69,629	236,320
52	58,235	53,392	13,019	124,646
53	15,937	11,771	3,775	31,482
54	42,152	52,012	99,533	193,697
55	83,407	172,037	342,597	598,041
56	48,184	116,704	556,161	721,049
57	40,555	107,371	122,338	270,264
58	328,870	211,576	281,725	822,171
59	90,874	35,791	46,057	172,723
60	166,271	13,605	33,874	213,750
61	347,422	25,840	24,667	397,928
62	297,589	52,961	71,720	422,269
63	102,929	36,712	34,383	174,023
64	49,674	69,487	8,677	127,838
65	139,481	150,031	1,270,658	1,560,170
66	50,468	17,325	71,947	139,740
67	36,136	49,240	581,098	666,474
68	148,656	127,311	309,720	585,687
69	156,154	210,800	466,689	833,643
70	85,640	22,911	716,250	824,801
71	160,193	28,181	127,611	315,984
72	28,559	81,950	117,009	227,518
73	250,910	52,758	146,889	450,557
74	83,623	26,547	5,244	115,414
75	94,837	12,819	0	107,656
76	125,962	34,698	23,776	184,436
77	8,699	31,403	7,338	47,439
78	25,910	74,195	16,885	116,989
79	13,585	16,184	35,450	65,219
80	3,831	23,670	57,426	84,927
81	1,364	24,582	53,991	79,938
82	10,929	0	32,710	43,639
83	15,110	1,592	29,871	46,573
Total	**10,882,649**	**7,384,940**	**8,569,866**	**26,837,455**

Note:- forecast trips do not include external AAZ's

Table 12
Air Passenger Originating Trips by AAZ
2015

AAZ	BWI	DCA	IAD	Total
1	943,237	24,815	25,151	993,202
2	146,479	0	0	146,479
3	21,072	1,191	70,129	92,391
4	132,204	0	34,910	167,115
5	56,169	0	0	56,169
6	128,420	1,734	3,790	133,944
7	85,155	0	11,562	96,717
8	82,824	0	0	82,824
9	95,521	0	8,143	103,664
10	313,259	0	28,737	341,996
11	228,328	0	8,362	236,690
12	279,593	0	3,798	283,391
13	149,795	2,418	0	152,213
14	138,260	0	0	138,260
15	581,043	1,099	3,487	585,629
16	135,135	6,986	4,459	146,580
17	123,084	0	0	123,084
18	236,817	5,108	9,883	251,808
19	397,241	39,558	21,830	458,629
20	134,038	13,279	6,004	153,322
21	250,944	23,148	7,909	282,002
22	504,946	10,273	39,187	554,406
23	394,383	7,304	29,672	431,360
24	203,912	3,058	8,670	215,639
25	267,023	0	769	267,792
26	190,867	10,262	3,784	204,912
27	149,730	0	7,790	157,520
28	185,830	8,957	4,458	199,245
29	526,000	1,232,636	571,956	2,330,592
30	193,824	497,003	347,242	1,038,069
31	89,884	428,176	59,652	577,713
32	12,605	59,757	3,950	76,313
33	80,922	93,574	126,054	300,549
34	80,182	186,469	101,061	367,712
35	150,866	487,456	253,033	891,355
36	25,597	88,002	37,536	151,135
37	121,375	243,532	115,436	480,343
38	80,349	242,077	108,510	430,936
39	90,585	244,811	60,380	395,776
40	8,468	45,463	4,226	58,156
41	42,224	14,177	50,646	107,047

Note:- forecast trips do not include external AAZ's

Table 12 cont…
Air Passenger Originating Trips by AAZ
2015

AAZ	BWI	DCA	IAD	Total
42	43,678	61,641	11,329	116,648
43	120,256	268,814	151,850	540,920
44	199,825	342,104	268,066	809,995
45	19,833	37,140	78,635	135,608
46	158,703	273,722	255,438	687,862
47	49,918	330,149	205,430	585,497
48	16,667	45,269	146,199	208,136
49	289,443	230,216	389,601	909,260
50	126,126	45,397	93,047	264,570
51	158,418	35,073	93,174	286,665
52	69,569	55,634	17,541	142,744
53	18,730	12,000	4,982	35,712
54	50,289	54,091	134,049	238,429
55	98,365	176,759	455,349	730,473
56	56,210	118,911	733,520	908,641
57	48,858	112,359	166,021	327,239
58	398,597	222,562	386,070	1,007,230
59	106,252	36,437	60,700	203,390
60	196,061	13,967	45,021	255,049
61	414,119	26,837	33,237	474,193
62	356,862	55,250	96,971	509,082
63	128,217	39,614	48,545	216,376
64	61,282	76,512	12,471	150,265
65	166,488	156,537	1,711,410	2,034,435
66	71,813	21,464	115,390	208,666
67	44,323	51,498	810,369	906,191
68	188,190	140,892	437,854	766,935
69	192,978	226,401	650,188	1,069,566
70	119,833	27,912	1,139,320	1,287,065
71	198,363	30,636	179,463	408,462
72	33,280	83,028	153,274	269,582
73	318,279	58,396	210,571	587,246
74	101,406	28,348	7,067	136,821
75	115,656	13,537	0	129,192
76	161,375	38,452	35,090	234,917
77	11,253	35,695	10,359	57,307
78	33,714	84,447	24,764	142,926
79	17,810	17,984	51,192	86,986
80	4,960	26,407	82,676	114,043
81	1,806	28,123	79,807	109,736
82	13,305	0	44,910	58,215
83	19,588	1,806	43,813	65,207
Total	**13,058,889**	**7,764,345**	**11,856,930**	**32,680,164**

Note:- forecast trips do not include external AAZ's

Table 13
Air Passenger Originating Trips by AAZ
2020

AAZ	BWI	DCA	IAD	Total
1	1,059,925	26,027	30,444	1,116,396
2	164,600	0	0	164,600
3	23,679	1,249	84,887	109,814
4	148,559	0	42,257	190,817
5	63,118	0	0	63,118
6	144,306	1,819	4,588	150,713
7	95,689	0	13,995	109,684
8	93,070	0	0	93,070
9	107,338	0	9,856	117,195
10	352,012	0	34,784	386,796
11	256,575	0	10,122	266,697
12	314,181	0	4,597	318,778
13	168,327	2,536	0	170,863
14	155,364	0	0	155,364
15	652,923	1,153	4,221	658,297
16	151,853	7,327	5,398	164,577
17	138,311	0	0	138,311
18	266,114	5,357	11,963	283,435
19	446,384	41,491	26,424	514,299
20	150,620	13,928	7,268	171,816
21	281,989	24,279	9,574	315,841
22	567,413	10,775	47,433	625,622
23	443,173	7,661	35,916	486,750
24	229,138	3,207	10,494	242,839
25	300,057	0	931	300,987
26	214,479	10,763	4,580	229,822
27	168,253	0	9,429	177,683
28	208,819	9,395	5,396	223,610
29	591,072	1,292,869	692,319	2,576,260
30	217,802	521,289	420,316	1,159,407
31	101,004	449,099	72,205	622,308
32	14,164	62,677	4,782	81,623
33	90,933	98,146	152,581	341,660
34	90,101	195,581	122,328	408,010
35	169,529	511,276	306,281	987,087
36	28,764	92,303	45,435	166,501
37	136,390	255,432	139,729	531,551
38	90,289	253,906	131,345	475,540
39	101,791	256,774	73,087	431,651
40	9,515	47,684	5,115	62,315
41	47,447	14,870	61,304	123,621

Note:- forecast trips do not include external AAZ's

Table 13 cont…
Air Passenger Originating Trips by AAZ
2020

AAZ	BWI	DCA	IAD	Total
42	49,081	64,653	13,714	127,448
43	135,133	281,949	183,805	600,888
44	224,545	358,821	324,478	907,845
45	22,286	38,955	95,183	156,424
46	178,336	287,097	309,193	774,625
47	56,093	346,282	248,661	651,036
48	18,729	47,481	176,965	243,176
49	325,250	241,466	471,589	1,038,305
50	141,729	47,615	112,628	301,973
51	178,016	36,787	112,782	327,584
52	78,176	58,352	21,232	157,760
53	21,047	12,586	6,031	39,664
54	56,510	56,735	162,258	275,503
55	110,534	185,397	551,173	847,103
56	63,164	124,722	887,882	1,075,767
57	54,903	117,850	200,959	373,711
58	447,908	233,438	467,315	1,148,661
59	119,397	38,218	73,474	231,089
60	220,316	14,650	54,495	289,461
61	465,350	28,148	40,231	533,730
62	401,009	57,949	117,377	576,336
63	144,079	41,550	58,761	244,389
64	68,864	80,251	15,095	164,209
65	187,084	164,186	2,071,560	2,422,831
66	80,697	22,513	139,672	242,882
67	49,806	54,015	980,904	1,084,725
68	211,471	147,776	529,996	889,243
69	216,851	237,464	787,014	1,241,329
70	134,658	29,276	1,379,079	1,543,013
71	222,903	32,133	217,230	472,265
72	37,397	87,085	185,529	310,011
73	357,653	61,250	254,883	673,786
74	113,950	29,733	8,555	152,238
75	129,964	14,198	0	144,162
76	181,339	40,331	42,475	264,144
77	12,645	37,439	12,539	62,623
78	37,885	88,574	29,975	156,434
79	20,013	18,863	61,965	100,841
80	5,573	27,698	100,075	133,346
81	2,030	29,497	96,601	128,128
82	14,951	0	54,361	69,312
83	22,011	1,895	53,032	76,939
Total	**14,674,407**	**8,143,751**	**14,352,109**	**37,170,267**

Note:- forecast trips do not include external AAZ's

Table 14
Air Passenger Originating Trips by AAZ
2025

AAZ	BWI	DCA	IAD	Total
1	1,129,257	27,240	33,912	1,190,409
2	175,367	0	0	175,367
3	25,228	1,307	94,558	121,093
4	158,277	0	47,071	205,349
5	67,246	0	0	67,246
6	153,746	1,903	5,111	160,760
7	101,948	0	15,590	117,538
8	99,158	0	0	99,158
9	114,360	0	10,979	125,339
10	375,039	0	38,747	413,785
11	273,358	0	11,275	284,633
12	334,733	0	5,121	339,854
13	179,337	2,654	0	181,991
14	165,527	0	0	165,527
15	695,633	1,206	4,702	701,542
16	161,786	7,668	6,012	175,467
17	147,358	0	0	147,358
18	283,521	5,607	13,326	302,455
19	475,583	43,424	29,434	548,441
20	160,472	14,577	8,096	183,145
21	300,434	25,410	10,664	336,509
22	604,529	11,277	52,838	668,644
23	472,162	8,018	40,008	520,188
24	244,126	3,357	11,690	259,172
25	319,684	0	1,037	320,721
26	228,509	11,264	5,102	244,875
27	179,259	0	10,504	189,763
28	222,479	9,832	6,011	238,322
29	629,735	1,353,102	771,196	2,754,034
30	232,049	545,575	468,204	1,245,828
31	107,611	470,022	80,432	658,065
32	15,091	65,597	5,326	86,015
33	96,881	102,719	169,964	369,564
34	95,995	204,693	136,266	436,953
35	180,619	535,096	341,177	1,056,891
36	30,645	96,603	50,611	177,859
37	145,311	267,332	155,649	568,292
38	96,195	265,735	146,309	508,240
39	108,449	268,737	81,413	458,599
40	10,138	49,906	5,698	65,741
41	50,551	15,563	68,288	134,402

Note:- forecast trips do not include external AAZ's

Table 14 cont…
Air Passenger Originating Trips by AAZ
2025

AAZ	BWI	DCA	IAD	Total
42	52,292	67,665	15,276	135,233
43	143,973	295,085	204,747	643,804
44	239,234	375,538	361,447	976,218
45	23,744	40,770	106,027	170,541
46	190,001	300,472	344,420	834,893
47	59,762	362,415	276,991	699,168
48	19,954	49,694	197,127	266,775
49	346,525	252,715	525,319	1,124,559
50	151,000	49,834	125,460	326,294
51	189,660	38,500	125,631	353,792
52	83,289	61,071	23,651	168,011
53	22,424	13,173	6,718	42,314
54	60,207	59,378	180,745	300,329
55	117,764	194,034	613,969	925,768
56	67,296	130,532	989,040	1,186,868
57	58,494	123,340	223,854	405,688
58	477,207	244,313	520,558	1,242,078
59	127,207	39,998	81,845	249,050
60	234,728	15,332	60,704	310,763
61	495,790	29,460	44,815	570,064
62	427,240	60,649	130,750	618,640
63	153,504	43,485	65,456	262,444
64	73,368	83,990	16,815	174,173
65	199,322	171,835	2,307,578	2,678,735
66	85,975	23,562	155,585	265,122
67	53,064	56,531	1,092,661	1,202,256
68	225,304	154,661	590,380	970,344
69	231,036	248,527	876,680	1,356,243
70	143,466	30,640	1,536,201	1,710,307
71	237,483	33,630	241,979	513,092
72	39,843	91,142	206,666	337,652
73	381,048	64,103	283,923	729,074
74	121,404	31,118	9,529	162,052
75	138,465	14,859	0	153,324
76	193,201	42,210	47,314	282,724
77	13,472	39,184	13,968	66,623
78	40,363	92,700	33,390	166,454
79	21,322	19,742	69,024	110,088
80	5,938	28,988	111,476	146,402
81	2,162	30,871	107,607	140,641
82	15,929	0	60,554	76,484
83	23,451	1,983	59,075	84,509
Total	**15,634,300**	**8,523,156**	**15,987,279**	**40,144,734**

Note:- forecast trips do not include external AAZ's

Table 15
Air Passenger Originating Trips by AAZ
2030

AAZ	BWI	DCA	IAD	Total
1	1,198,590	28,452	37,776	1,264,818
2	186,134	0	0	186,134
3	26,777	1,365	105,331	133,473
4	167,995	0	52,434	220,429
5	71,375	0	0	71,375
6	163,185	1,988	5,693	170,866
7	108,208	0	17,366	125,574
8	105,246	0	0	105,246
9	121,381	0	12,230	133,611
10	398,065	0	43,161	441,226
11	290,141	0	12,560	302,701
12	355,284	0	5,704	360,988
13	190,348	2,772	0	193,120
14	175,689	0	0	175,689
15	738,342	1,260	5,238	744,841
16	171,719	8,010	6,698	186,426
17	156,405	0	0	156,405
18	300,929	5,856	14,845	321,630
19	504,783	45,357	32,788	582,927
20	170,325	15,226	9,018	194,569
21	318,880	26,542	11,879	357,301
22	641,645	11,779	58,857	712,282
23	501,151	8,375	44,567	554,092
24	259,115	3,506	13,021	275,642
25	339,312	0	1,155	340,467
26	242,539	11,766	5,683	259,987
27	190,265	0	11,700	201,966
28	236,138	10,270	6,696	253,104
29	668,399	1,413,335	859,061	2,940,794
30	246,296	569,861	521,548	1,337,705
31	114,218	490,945	89,595	694,758
32	16,018	68,517	5,933	90,468
33	102,829	107,291	189,329	399,449
34	101,888	213,805	151,791	467,484
35	191,708	558,915	380,048	1,130,671
36	32,527	100,903	56,377	189,807
37	154,233	279,233	173,382	606,848
38	102,101	277,564	162,979	542,644
39	115,108	280,699	90,689	486,496
40	10,760	52,127	6,347	69,235
41	53,655	16,256	76,068	145,979

Note:- forecast trips do not include external AAZ's

Table 15 cont…
Air Passenger Originating Trips by AAZ
2030

AAZ	BWI	DCA	IAD	Total
42	55,502	70,678	17,016	143,196
43	152,812	308,220	228,074	689,107
44	253,922	392,255	402,627	1,048,804
45	25,202	42,585	118,107	185,894
46	201,667	313,848	383,660	899,175
47	63,431	378,548	308,550	750,529
48	21,180	51,906	219,587	292,672
49	367,801	263,965	585,169	1,216,935
50	160,271	52,052	139,754	352,077
51	201,305	40,214	139,945	381,464
52	88,403	63,789	26,346	178,538
53	23,801	13,759	7,483	45,043
54	63,903	62,021	201,338	327,262
55	124,994	202,671	683,920	1,011,586
56	71,427	136,343	1,101,724	1,309,494
57	62,085	128,831	249,358	440,274
58	506,506	255,189	579,866	1,341,560
59	135,017	41,779	91,170	267,966
60	249,139	16,015	67,620	332,773
61	526,230	30,771	49,921	606,922
62	453,471	63,349	145,647	662,467
63	162,928	45,421	72,913	281,262
64	77,873	87,728	18,730	184,332
65	211,560	179,484	2,570,486	2,961,530
66	91,254	24,611	173,312	289,176
67	56,322	59,048	1,217,150	1,332,520
68	239,136	161,546	657,643	1,058,325
69	245,220	259,590	976,563	1,481,373
70	152,274	32,004	1,711,224	1,895,502
71	252,064	35,127	269,548	556,739
72	42,289	95,200	230,212	367,701
73	404,443	66,957	316,271	787,671
74	128,858	32,504	10,615	171,977
75	146,966	15,521	0	162,487
76	205,063	44,089	52,705	301,856
77	14,299	40,928	15,559	70,786
78	42,842	96,827	37,195	176,863
79	22,631	20,620	76,889	120,140
80	6,302	30,279	124,177	160,758
81	2,295	32,246	119,867	154,408
82	16,908	0	67,453	84,361
83	24,891	2,071	65,805	92,767
Total	**16,594,193**	**8,902,561**	**17,808,747**	**43,305,500**

Note:- forecast trips do not include external AAZ's

Table 16
Hoseholds by AAZ

	Households							Percent Change						
AAZ	2000	2005	2010	2015	2020	2025	2030	00-05	05-10	10-15	15-20	20-25	25-30	00-30
1	8,199	13,647	14,099	14,905	15,211	15,652	15,652	66.45%	3.31%	5.72%	2.05%	2.90%	0.00%	90.90%
2	17,490	17,510	17,815	18,060	18,444	18,643	18,643	0.11%	1.74%	1.38%	2.13%	1.08%	0.00%	6.59%
3	21,844	22,581	22,773	22,941	23,238	23,494	23,494	3.37%	0.85%	0.74%	1.29%	1.10%	0.00%	7.55%
4	40,597	40,992	41,090	41,270	41,681	42,151	42,151	0.97%	0.24%	0.44%	1.00%	1.13%	0.00%	3.83%
5	19,590	20,970	21,563	22,361	23,419	23,661	23,661	7.04%	2.83%	3.70%	4.73%	1.03%	0.00%	20.78%
6	33,964	36,450	36,645	37,508	38,628	39,034	39,034	7.32%	0.53%	2.36%	2.99%	1.05%	0.00%	14.93%
7	50,036	50,386	50,528	50,631	50,883	51,456	51,456	0.70%	0.28%	0.20%	0.50%	1.13%	0.00%	2.84%
8	21,281	21,161	21,226	21,298	21,489	21,731	21,731	-0.56%	0.31%	0.34%	0.90%	1.13%	0.00%	2.11%
9	30,823	30,687	30,752	30,854	31,109	31,460	31,460	-0.44%	0.21%	0.33%	0.83%	1.13%	0.00%	2.07%
10	62,575	63,026	63,477	63,928	64,379	64,830	64,830	0.72%	0.72%	0.71%	0.71%	0.70%	0.00%	3.60%
11	20,755	21,369	21,983	22,597	23,211	23,825	23,825	2.96%	2.87%	2.79%	2.72%	2.65%	0.00%	14.79%
12	38,918	39,059	39,200	39,341	39,482	39,623	39,623	0.36%	0.36%	0.36%	0.36%	0.36%	0.00%	1.81%
13	52,738	54,917	57,096	59,275	61,454	63,633	63,633	4.13%	3.97%	3.82%	3.68%	3.55%	0.00%	20.66%
14	62,712	63,355	63,998	64,641	65,284	65,927	65,927	1.03%	1.01%	1.00%	0.99%	0.98%	0.00%	5.13%
15	26,623	27,826	28,568	29,237	29,817	30,328	30,881	4.52%	2.67%	2.34%	1.98%	1.71%	1.82%	15.99%
16	497	516	527	536	546	554	562	3.82%	2.13%	1.71%	1.87%	1.47%	1.44%	13.08%
17	23,279	25,692	27,179	28,515	29,672	30,699	31,809	10.37%	5.79%	4.92%	4.06%	3.46%	3.62%	36.64%
18	39,307	41,598	43,012	44,282	45,380	46,355	47,409	5.83%	3.40%	2.95%	2.48%	2.15%	2.27%	20.61%
19	34,081	36,676	38,275	39,710	40,953	42,056	43,249	7.61%	4.36%	3.75%	3.13%	2.69%	2.84%	26.90%
20	25,520	27,571	28,834	29,972	30,953	31,825	32,768	8.04%	4.58%	3.95%	3.27%	2.82%	2.96%	28.40%
21	29,363	33,264	35,669	37,831	39,700	41,362	43,159	13.29%	7.23%	6.06%	4.94%	4.19%	4.34%	46.98%
22	48,619	51,935	54,126	56,021	57,021	57,021	57,021	6.82%	4.22%	3.50%	1.79%	0.00%	0.00%	17.28%
23	42,331	48,015	53,324	58,929	63,929	64,699	64,699	13.43%	11.06%	10.51%	8.48%	1.20%	0.00%	52.84%
24	35,156	38,145	41,284	44,423	47,412	50,401	50,401	8.50%	8.23%	7.60%	6.73%	6.30%	0.00%	43.36%
25	26,797	27,161	27,525	27,889	28,253	28,617	28,617	1.36%	1.34%	1.32%	1.31%	1.29%	0.00%	6.79%
26	41,286	45,281	49,120	52,170	55,249	58,404	58,404	9.68%	8.48%	6.21%	5.90%	5.71%	0.00%	41.46%
27	39,961	42,853	45,310	47,238	49,167	51,170	51,170	7.24%	5.73%	4.26%	4.08%	4.07%	0.00%	28.05%
28	52,501	57,450	62,200	66,950	71,700	75,460	75,460	9.43%	8.27%	7.64%	7.09%	5.24%	0.00%	43.73%
29	7,039	9,202	10,708	10,735	10,885	11,034	11,034	30.73%	16.37%	0.25%	1.40%	1.37%	0.00%	56.76%
30	26,899	29,026	30,190	34,525	35,096	35,675	35,675	7.91%	4.01%	14.36%	1.65%	1.65%	0.00%	32.63%
31	6	6	275	275	275	275	275	0.00%	4483.33%	0.00%	0.00%	0.00%	0.00%	4483.33%
32	1,585	1,544	1,620	1,743	1,847	1,954	2,012	-2.59%	4.92%	7.59%	5.97%	5.79%	2.97%	26.94%
33	18,558	19,578	21,054	28,508	29,077	29,474	29,474	5.50%	7.54%	35.40%	2.00%	1.37%	0.00%	58.82%
34	5,262	5,474	5,793	5,799	5,910	6,021	6,021	4.03%	5.83%	0.10%	1.91%	1.88%	0.00%	14.42%
35	25,797	27,740	29,618	31,563	33,260	35,032	36,016	7.53%	6.77%	6.57%	5.38%	5.33%	2.81%	39.61%
36	26,762	26,442	26,258	26,565	26,860	27,160	27,509	-1.20%	-0.70%	1.17%	1.11%	1.12%	1.28%	2.79%
37	9,059	11,184	12,678	13,587	14,430	14,659	14,607	23.46%	13.36%	7.17%	6.20%	1.59%	-0.35%	61.24%
38	1,983	2,549	2,995	3,540	4,104	3,753	3,597	28.54%	17.50%	18.20%	15.93%	-8.55%	-4.16%	81.39%
39	25,696	26,454	27,678	28,796	29,587	30,118	30,213	2.95%	4.63%	4.04%	2.75%	1.79%	0.32%	17.58%
40	41,567	47,025	49,048	51,085	52,330	53,223	53,223	13.13%	4.30%	4.15%	2.44%	1.71%	0.00%	28.04%
41	26,161	27,377	27,630	29,667	30,221	30,778	30,778	4.65%	0.92%	7.37%	1.87%	1.84%	0.00%	17.65%

Note:- data does not include external AAZ's

Table 16 cont…
Hoseholds by AAZ

	Households							Percent Change						
AAZ	**2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030**	**00-05**	**05-10**	**10-15**	**15-20**	**20-25**	**25-30**	**00-30**
42	26,727	27,163	27,883	29,422	29,989	30,563	30,563	1.63%	2.65%	5.52%	1.93%	1.91%	0.00%	14.35%
43	61,293	63,750	64,054	66,434	67,730	69,046	69,046	4.01%	0.48%	3.72%	1.95%	1.94%	0.00%	12.65%
44	34,826	35,336	35,602	36,495	37,231	38,352	38,352	1.46%	0.75%	2.51%	2.02%	3.01%	0.00%	10.12%
45	21,166	21,412	21,412	21,733	22,005	22,291	22,450	1.16%	0.00%	1.50%	1.25%	1.30%	0.71%	6.07%
46	67,837	76,963	84,196	87,795	90,475	91,411	92,111	13.45%	9.40%	4.27%	3.05%	1.03%	0.77%	35.78%
47	62,769	66,997	71,501	72,727	73,409	74,447	75,587	6.74%	6.72%	1.71%	0.94%	1.41%	1.53%	20.42%
48	32,225	32,426	33,212	33,916	34,416	34,694	34,963	0.62%	2.42%	2.12%	1.47%	0.81%	0.78%	8.50%
49	36,859	38,779	39,714	40,914	41,639	43,489	43,689	5.21%	2.41%	3.02%	1.77%	4.44%	0.46%	18.53%
50	31,623	32,015	33,269	33,654	34,799	36,780	37,190	1.24%	3.92%	1.16%	3.40%	5.69%	1.11%	17.60%
51	57,963	59,848	61,161	62,657	64,146	65,430	66,134	3.25%	2.19%	2.45%	2.38%	2.00%	1.08%	14.10%
52	50,833	52,660	54,189	56,165	57,627	58,238	59,269	3.59%	2.90%	3.65%	2.60%	1.06%	1.77%	16.60%
53	34,598	35,067	35,561	36,265	36,867	37,995	38,489	1.36%	1.41%	1.98%	1.66%	3.06%	1.30%	11.25%
54	18,771	24,447	26,554	27,591	28,313	28,854	29,238	30.24%	8.62%	3.91%	2.62%	1.91%	1.33%	55.76%
55	69,490	72,309	76,277	78,300	79,509	80,121	80,611	4.06%	5.49%	2.65%	1.54%	0.77%	0.61%	16.00%
56	27,406	29,067	30,030	30,887	31,705	32,279	32,678	6.06%	3.31%	2.85%	2.65%	1.81%	1.24%	19.24%
57	18,885	19,815	21,225	22,275	22,978	23,278	23,328	4.92%	7.12%	4.95%	3.16%	1.31%	0.21%	23.53%
58	72,463	77,169	82,858	87,911	90,343	93,071	95,910	6.49%	7.37%	6.10%	2.77%	3.02%	3.05%	32.36%
59	24,330	25,774	26,075	26,552	26,952	27,154	27,230	5.94%	1.17%	1.83%	1.51%	0.75%	0.28%	11.92%
60	41,374	42,924	45,059	46,274	47,444	47,849	48,019	3.75%	4.97%	2.70%	2.53%	0.85%	0.36%	16.06%
61	31,690	33,396	34,443	35,638	37,120	39,004	40,240	5.38%	3.14%	3.47%	4.16%	5.08%	3.17%	26.98%
62	46,123	49,717	52,342	54,697	56,694	58,050	58,891	7.79%	5.28%	4.50%	3.65%	2.39%	1.45%	27.68%
63	32,577	36,753	41,071	44,807	48,154	51,461	54,536	12.82%	11.75%	9.10%	7.47%	6.87%	5.98%	67.41%
64	37,414	39,702	42,869	46,061	48,777	52,202	55,017	6.12%	7.98%	7.45%	5.90%	7.02%	5.39%	47.05%
65	88,194	98,182	106,220	109,951	111,972	113,049	113,860	11.33%	8.19%	3.51%	1.84%	0.96%	0.72%	29.10%
66	23	23	15	0	0	0	0	0.00%	-34.78%	-100.00%	0.00%	0.00%	0.00%	-100.00%
67	35,892	39,760	42,613	44,205	45,429	46,289	47,595	10.78%	7.18%	3.74%	2.77%	1.89%	2.82%	32.61%
68	53,858	61,502	67,524	73,201	78,346	80,071	81,001	14.19%	9.79%	8.41%	7.03%	2.20%	1.16%	50.40%
69	109,581	129,934	144,219	154,605	160,941	166,018	169,982	18.57%	10.99%	7.20%	4.10%	3.15%	2.39%	55.12%
70	35,603	57,611	77,323	94,230	108,397	118,032	123,513	61.82%	34.22%	21.87%	15.03%	8.89%	4.64%	246.92%
71	42,536	45,871	51,609	56,541	59,822	60,521	60,846	7.84%	12.51%	9.56%	5.80%	1.17%	0.54%	43.05%
72	21,617	22,243	23,849	24,232	24,579	24,872	25,163	2.90%	7.22%	1.61%	1.43%	1.19%	1.17%	16.40%
73	70,060	76,223	84,696	93,500	102,013	110,134	120,155	8.80%	11.12%	10.39%	9.10%	7.96%	9.10%	71.50%
74	25,447	27,258	29,068	31,049	33,033	34,829	36,627	7.12%	6.64%	6.82%	6.39%	5.44%	5.16%	43.93%
75	30,641	33,542	36,441	39,522	42,604	45,500	48,399	9.47%	8.64%	8.45%	7.80%	6.80%	6.37%	57.96%
76	41,668	46,497	51,330	58,867	66,405	71,251	76,095	11.59%	10.39%	14.68%	12.81%	7.30%	6.80%	82.62%
77	6,223	7,338	8,450	9,218	9,986	10,786	11,584	17.92%	15.15%	9.09%	8.33%	8.01%	7.40%	86.15%
78	30,713	36,060	41,409	46,928	52,442	57,988	63,528	17.41%	14.83%	13.33%	11.75%	10.58%	9.55%	106.84%
79	8,102	9,951	11,584	12,680	13,551	14,434	15,121	22.82%	16.41%	9.46%	6.87%	6.52%	4.76%	86.63%
80	24,948	29,684	35,307	39,277	44,195	48,290	53,162	18.98%	18.94%	11.24%	12.52%	9.27%	10.09%	113.09%
81	20,211	23,303	26,872	30,986	35,729	41,199	47,506	15.30%	15.32%	15.31%	15.31%	15.31%	15.31%	135.05%
82	4,942	5,438	5,934	6,292	6,649	7,102	7,555	10.04%	9.12%	6.03%	5.67%	6.81%	6.38%	52.87%
83	16,165	18,295	20,427	23,192	25,957	29,518	33,075	13.18%	11.65%	13.54%	11.92%	13.72%	12.05%	104.61%
Total	**2,768,883**	**2,995,898**	**3,188,190**	**3,367,347**	**3,511,918**	**3,629,169**	**3,709,471**	**8.20%**	**6.42%**	**5.62%**	**4.29%**	**3.34%**	**2.21%**	**33.97%**

Note:- data does not include external AAZ's

Table 17
Employment by AAZ

	Employment							Percent Change						
AAZ	**2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030**	**00-05**	**05-10**	**10-15**	**15-20**	**20-25**	**25-30**	**00-30**
1	143,429	153,335	154,856	155,875	156,707	157,542	158,400	6.91%	0.99%	0.66%	0.53%	0.53%	0.54%	10.44%
2	42,832	43,122	43,340	43,615	43,674	43,733	43,794	0.68%	0.51%	0.63%	0.14%	0.14%	0.14%	2.25%
3	33,909	33,864	33,876	33,823	33,773	33,723	33,673	-0.13%	0.04%	-0.16%	-0.15%	-0.15%	-0.15%	-0.70%
4	39,459	39,374	39,331	39,298	39,264	39,230	39,196	-0.22%	-0.11%	-0.08%	-0.09%	-0.09%	-0.09%	-0.67%
5	46,868	54,107	57,622	60,314	62,485	64,610	66,947	15.45%	6.50%	4.67%	3.60%	3.40%	3.62%	42.84%
6	81,703	94,124	97,205	102,304	107,021	110,895	116,209	15.20%	3.27%	5.25%	4.61%	3.62%	4.79%	42.23%
7	26,325	26,335	26,359	26,381	26,394	26,407	26,421	0.04%	0.09%	0.08%	0.05%	0.05%	0.05%	0.36%
8	17,511	17,910	18,358	18,470	19,063	19,356	19,669	2.28%	2.50%	0.61%	3.21%	1.54%	1.62%	12.32%
9	27,895	28,331	28,737	29,008	29,240	29,473	29,716	1.56%	1.43%	0.94%	0.80%	0.80%	0.82%	6.53%
10	85,603	87,172	88,741	90,310	91,879	93,448	95,082	1.83%	1.80%	1.77%	1.74%	1.71%	1.75%	11.07%
11	34,453	35,685	36,917	38,149	39,381	40,613	41,927	3.58%	3.45%	3.34%	3.23%	3.13%	3.24%	21.69%
12	82,806	83,329	83,852	84,375	84,898	85,421	85,949	0.63%	0.63%	0.62%	0.62%	0.62%	0.62%	3.80%
13	50,430	52,256	54,082	55,908	57,734	59,560	61,505	3.62%	3.49%	3.38%	3.27%	3.16%	3.27%	21.96%
14	68,249	70,862	73,475	76,088	78,701	81,314	84,248	3.83%	3.69%	3.56%	3.43%	3.32%	3.61%	23.44%
15	52,009	53,392	55,051	56,446	57,364	58,325	59,295	2.66%	3.11%	2.53%	1.63%	1.68%	1.66%	14.01%
16	46,601	45,822	45,913	46,346	46,836	47,071	47,308	-1.67%	0.20%	0.94%	1.06%	0.50%	0.50%	1.52%
17	14,360	14,860	15,459	15,925	16,235	16,592	16,953	3.48%	4.03%	3.01%	1.95%	2.20%	2.18%	18.06%
18	33,821	33,729	34,226	34,792	35,251	35,624	36,000	-0.27%	1.47%	1.65%	1.32%	1.06%	1.06%	6.44%
19	69,366	70,865	73,541	74,994	76,054	77,033	78,030	2.16%	3.78%	1.98%	1.41%	1.29%	1.29%	12.49%
20	16,240	17,056	17,327	17,612	17,853	18,016	18,179	5.02%	1.59%	1.64%	1.37%	0.91%	0.90%	11.94%
21	59,317	66,266	70,473	71,360	72,391	73,334	74,285	11.72%	6.35%	1.26%	1.44%	1.30%	1.30%	25.23%
22	89,577	103,004	110,786	116,234	123,382	129,057	130,908	14.99%	7.56%	4.92%	6.15%	4.60%	1.43%	46.14%
23	70,427	77,006	89,213	98,749	106,624	115,948	118,990	9.34%	15.85%	10.69%	7.97%	8.74%	2.62%	68.96%
24	45,350	53,523	61,696	69,869	78,042	85,790	94,652	18.02%	15.27%	13.25%	11.70%	9.93%	10.33%	108.71%
25	62,609	64,401	66,193	67,985	69,777	71,569	73,434	2.86%	2.78%	2.71%	2.64%	2.57%	2.61%	17.29%
26	50,556	57,901	64,082	68,751	72,536	76,469	81,089	14.53%	10.68%	7.29%	5.51%	5.42%	6.04%	60.39%
27	39,759	42,901	45,427	46,748	47,386	48,047	48,720	7.90%	5.89%	2.91%	1.36%	1.39%	1.40%	22.54%
28	68,286	73,516	76,804	79,098	80,592	81,604	81,604	7.66%	4.47%	2.99%	1.89%	1.26%	0.00%	19.50%
29	287,067	311,552	322,419	332,310	338,007	344,717	344,717	8.53%	3.49%	3.07%	1.71%	1.99%	0.00%	20.08%
30	86,374	96,424	103,314	111,769	121,032	128,380	128,380	11.64%	7.15%	8.18%	8.29%	6.07%	0.00%	48.63%
31	66,069	66,603	67,413	68,046	68,046	68,046	68,046	0.81%	1.22%	0.94%	0.00%	0.00%	0.00%	2.99%
32	33,392	33,392	33,394	33,397	33,399	33,399	33,400	0.00%	0.01%	0.01%	0.01%	0.00%	0.00%	0.02%
33	34,724	41,121	50,391	59,943	64,433	71,780	71,780	18.42%	22.54%	18.96%	7.49%	11.40%	0.00%	106.72%
34	24,716	24,716	25,281	26,042	26,042	26,409	26,409	0.00%	2.29%	3.01%	0.00%	1.41%	0.00%	6.85%
35	66,866	74,388	90,760	99,368	107,990	116,633	119,278	11.25%	22.01%	9.48%	8.68%	8.00%	2.27%	78.38%
36	15,612	16,045	19,157	22,319	25,482	28,657	30,543	2.77%	19.40%	16.51%	14.17%	12.46%	6.58%	95.64%
37	15,586	15,583	17,564	19,828	22,092	24,362	25,683	-0.02%	12.71%	12.89%	11.42%	10.28%	5.42%	64.78%
38	51,321	51,322	54,985	58,685	62,379	66,088	68,210	0.00%	7.14%	6.73%	6.29%	5.95%	3.21%	32.91%
39	46,163	49,429	52,452	55,173	58,147	59,302	61,870	7.07%	6.12%	5.19%	5.39%	1.99%	4.33%	34.03%
40	25,460	25,753	26,352	26,941	27,386	28,027	28,027	1.15%	2.33%	2.24%	1.65%	2.34%	0.00%	10.08%
41	18,132	18,287	19,339	19,943	20,755	21,565	21,565	0.85%	5.75%	3.12%	4.07%	3.90%	0.00%	18.93%

Note:- data does not include external AAZ's

Table 17 cont…
Employment by AAZ

	Employment							Percent Change						
AAZ	**2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030**	**00-05**	**05-10**	**10-15**	**15-20**	**20-25**	**25-30**	**00-30**
42	44,896	44,919	45,289	46,359	48,847	49,568	49,568	0.05%	0.82%	2.36%	5.37%	1.48%	0.00%	10.41%
43	36,645	36,836	38,022	38,053	38,234	38,379	38,379	0.52%	3.22%	0.08%	0.48%	0.38%	0.00%	4.73%
44	53,934	54,196	54,196	54,325	54,325	54,325	54,325	0.49%	0.00%	0.24%	0.00%	0.00%	0.00%	0.72%
45	18,954	18,953	20,150	21,436	22,724	24,021	24,812	-0.01%	6.32%	6.38%	6.01%	5.71%	3.29%	30.91%
46	84,806	92,499	102,762	110,165	116,875	121,690	125,430	9.07%	11.10%	7.20%	6.09%	4.12%	3.07%	47.90%
47	101,222	104,990	119,500	124,916	131,236	135,401	139,349	3.72%	13.82%	4.53%	5.06%	3.17%	2.92%	37.67%
48	35,439	37,436	38,992	40,679	42,183	43,732	45,047	5.64%	4.16%	4.33%	3.70%	3.67%	3.01%	27.11%
49	94,787	103,463	106,459	108,909	110,498	111,978	112,950	9.15%	2.90%	2.30%	1.46%	1.34%	0.87%	19.16%
50	51,874	53,607	55,968	57,729	59,096	60,326	61,121	3.34%	4.40%	3.15%	2.37%	2.08%	1.32%	17.83%
51	68,074	73,421	82,686	88,622	95,932	107,584	115,774	7.85%	12.62%	7.18%	8.25%	12.15%	7.61%	70.07%
52	62,215	65,491	71,343	75,422	81,199	88,153	92,610	5.27%	8.94%	5.72%	7.66%	8.56%	5.06%	48.85%
53	26,316	28,346	33,575	35,866	39,383	46,057	49,371	7.71%	18.45%	6.82%	9.81%	16.95%	7.20%	87.61%
54	6,379	7,000	8,983	9,532	9,954	10,217	10,388	9.74%	28.33%	6.11%	4.43%	2.64%	1.67%	62.85%
55	104,025	108,092	111,284	114,623	117,470	119,970	122,153	3.91%	2.95%	3.00%	2.48%	2.13%	1.82%	17.43%
56	95,627	107,006	118,739	119,722	124,537	129,724	134,075	11.90%	10.96%	0.83%	4.02%	4.17%	3.35%	40.21%
57	34,170	36,459	37,891	39,528	40,709	40,833	41,239	6.70%	3.93%	4.32%	2.99%	0.30%	0.99%	20.69%
58	187,016	199,737	215,407	224,071	230,131	234,086	236,735	6.80%	7.85%	4.02%	2.70%	1.72%	1.13%	26.59%
59	28,448	31,390	36,347	37,022	37,624	38,225	38,621	10.34%	15.79%	1.86%	1.63%	1.60%	1.04%	35.76%
60	18,618	18,692	18,924	19,178	19,403	19,638	19,784	0.40%	1.24%	1.34%	1.17%	1.21%	0.74%	6.26%
61	63,133	70,498	74,366	77,594	83,327	90,837	95,704	11.67%	5.49%	4.34%	7.39%	9.01%	5.36%	51.59%
62	44,311	49,357	57,751	60,210	64,870	74,726	78,586	11.39%	17.01%	4.26%	7.74%	15.19%	5.17%	77.35%
63	44,762	47,654	51,342	54,096	58,878	64,050	67,866	6.46%	7.74%	5.36%	8.84%	8.78%	5.96%	51.62%
64	22,247	26,694	32,393	38,214	45,036	49,089	53,783	19.99%	21.35%	17.97%	17.85%	9.00%	9.56%	141.75%
65	160,917	191,314	218,198	228,910	241,757	254,922	265,236	18.89%	14.05%	4.91%	5.61%	5.45%	4.05%	64.83%
66	12,004	14,355	18,281	22,655	26,739	31,577	35,836	19.59%	27.35%	23.93%	18.03%	18.09%	13.49%	198.53%
67	42,081	48,987	56,389	63,855	71,011	79,284	88,278	16.41%	15.11%	13.24%	11.21%	11.65%	11.34%	109.78%
68	65,041	73,536	87,910	99,705	106,439	111,733	114,997	13.06%	19.55%	13.42%	6.75%	4.97%	2.92%	76.81%
69	114,290	130,846	151,707	167,989	182,069	193,736	202,850	14.49%	15.94%	10.73%	8.38%	6.41%	4.70%	77.49%
70	35,835	49,664	65,498	82,852	100,837	116,885	132,789	38.59%	31.88%	26.50%	21.71%	15.91%	13.61%	270.56%
71	61,514	64,545	67,526	70,245	72,461	74,491	75,842	4.93%	4.62%	4.03%	3.15%	2.80%	1.81%	23.29%
72	34,125	38,459	41,359	41,628	41,940	42,160	42,342	12.70%	7.54%	0.65%	0.75%	0.52%	0.43%	24.08%
73	99,699	109,206	120,697	134,596	148,503	162,509	177,837	9.54%	10.52%	11.52%	10.33%	9.43%	9.43%	78.37%
74	25,904	29,397	32,897	33,698	34,498	35,053	35,599	13.48%	11.91%	2.43%	2.37%	1.61%	1.56%	37.43%
75	49,597	55,753	61,906	63,505	65,096	66,153	67,199	12.41%	11.04%	2.58%	2.51%	1.62%	1.58%	35.49%
76	50,101	56,451	62,888	64,767	66,797	67,947	69,100	12.67%	11.40%	2.99%	3.13%	1.72%	1.70%	37.92%
77	9,210	11,253	13,293	15,175	17,056	22,760	28,462	22.18%	18.13%	14.16%	12.40%	33.44%	25.05%	209.03%
78	25,319	31,838	38,344	43,782	49,210	54,459	59,700	25.75%	20.43%	14.18%	12.40%	10.67%	9.62%	135.79%
79	18,995	26,645	34,291	39,152	44,009	48,699	53,387	40.27%	28.70%	14.18%	12.41%	10.66%	9.63%	181.06%
80	24,037	27,224	32,785	37,442	42,088	46,564	51,034	13.26%	20.43%	14.20%	12.41%	10.63%	9.60%	112.31%
81	17,229	19,722	22,314	24,908	29,203	32,158	35,413	14.47%	13.14%	11.62%	17.24%	10.12%	10.12%	105.54%
82	4,390	4,722	5,055	5,386	5,718	6,032	6,364	7.56%	7.05%	6.55%	6.16%	5.49%	5.50%	44.97%
83	12,755	14,769	16,787	18,803	20,819	22,639	24,452	15.79%	13.66%	12.01%	10.72%	8.74%	8.01%	91.71%
Total	**4,462,173**	**4,834,085**	**5,226,257**	**5,507,915**	**5,784,448**	**6,059,539**	**6,264,479**	**8.33%**	**8.11%**	**5.39%**	**5.02%**	**4.76%**	**3.38%**	**40.39%**

Note:- data does not include external AAZ's

Table 18
Total Air Passengers Originating Trips by AAZ

	Total Trips							Percent Change						
AAZ	**2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030**	**00-05**	**05-10**	**10-15**	**15-20**	**20-25**	**25-30**	**00-30**
1	577,212	651,256	856,803	993,202	1,116,396	1,190,409	1,264,818	12.83%	31.56%	15.92%	12.40%	6.63%	6.25%	119.13%
2	91,488	95,012	126,095	146,479	164,600	175,367	186,134	3.85%	32.72%	16.17%	12.37%	6.54%	6.14%	103.45%
3	56,472	53,746	73,673	92,391	109,814	121,093	133,473	-4.83%	37.08%	25.41%	18.86%	10.27%	10.22%	136.35%
4	104,454	106,634	141,568	167,115	190,817	205,349	220,429	2.09%	32.76%	18.05%	14.18%	7.62%	7.34%	111.03%
5	30,700	34,661	47,061	56,169	63,118	67,246	71,375	12.90%	35.77%	19.35%	12.37%	6.54%	6.14%	132.49%
6	73,174	84,063	112,025	133,944	150,713	160,760	170,866	14.88%	33.26%	19.57%	12.52%	6.67%	6.29%	133.51%
7	60,981	62,758	82,933	96,717	109,684	117,538	125,574	2.91%	32.15%	16.62%	13.41%	7.16%	6.84%	105.92%
8	52,489	54,429	71,841	82,824	93,070	99,158	105,246	3.69%	31.99%	15.29%	12.37%	6.54%	6.14%	100.51%
9	65,374	67,278	89,005	103,664	117,195	125,339	133,611	2.91%	32.29%	16.47%	13.05%	6.95%	6.60%	104.38%
10	212,441	220,123	292,268	341,996	386,796	413,785	441,226	3.62%	32.77%	17.01%	13.10%	6.98%	6.63%	107.69%
11	139,213	147,942	199,671	236,690	266,697	284,633	302,701	6.27%	34.97%	18.54%	12.68%	6.73%	6.35%	117.44%
12	179,639	186,573	245,410	283,391	318,778	339,854	360,988	3.86%	31.54%	15.48%	12.49%	6.61%	6.22%	100.95%
13	88,051	94,605	128,045	152,213	170,863	181,991	193,120	7.44%	35.35%	18.87%	12.25%	6.51%	6.12%	119.33%
14	84,404	88,946	118,415	138,260	155,364	165,527	175,689	5.38%	33.13%	16.76%	12.37%	6.54%	6.14%	108.15%
15	346,323	368,918	497,389	585,629	658,297	701,542	744,841	6.52%	34.82%	17.74%	12.41%	6.57%	6.17%	115.07%
16	96,799	97,802	126,832	146,580	164,577	175,467	186,426	1.04%	29.68%	15.57%	12.28%	6.62%	6.25%	92.59%
17	65,400	74,122	102,410	123,084	138,311	147,358	156,405	13.34%	38.16%	20.19%	12.37%	6.54%	6.14%	139.15%
18	146,254	158,213	212,922	251,808	283,435	302,455	321,630	8.18%	34.58%	18.26%	12.56%	6.71%	6.34%	119.91%
19	275,272	293,543	390,555	458,629	514,299	548,441	582,927	6.64%	33.05%	17.43%	12.14%	6.64%	6.29%	111.76%
20	89,233	97,461	129,828	153,322	171,816	183,145	194,569	9.22%	33.21%	18.10%	12.06%	6.59%	6.24%	118.05%
21	152,283	174,175	237,850	282,002	315,841	336,509	357,301	14.38%	36.56%	18.56%	12.00%	6.54%	6.18%	134.63%
22	299,518	335,599	461,883	554,406	625,622	668,644	712,282	12.05%	37.63%	20.03%	12.85%	6.88%	6.53%	137.81%
23	200,409	232,379	338,135	431,360	486,750	520,188	554,092	15.95%	45.51%	27.57%	12.84%	6.87%	6.52%	176.48%
24	106,188	120,331	172,247	215,639	242,839	259,172	275,642	13.32%	43.14%	25.19%	12.61%	6.73%	6.35%	159.58%
25	162,320	171,413	228,770	267,792	300,987	320,721	340,467	5.60%	33.46%	17.06%	12.40%	6.56%	6.16%	109.75%
26	102,916	118,538	167,910	204,912	229,822	244,875	259,987	15.18%	41.65%	22.04%	12.16%	6.55%	6.17%	152.62%
27	85,365	94,330	130,919	157,520	177,683	189,763	201,966	10.50%	38.79%	20.32%	12.80%	6.80%	6.43%	136.59%
28	103,565	115,964	162,089	199,245	223,610	238,322	253,104	11.97%	39.78%	22.92%	12.23%	6.58%	6.20%	144.39%
29	1,703,491	1,737,754	2,073,757	2,330,592	2,576,260	2,754,034	2,940,794	2.01%	19.34%	12.39%	10.54%	6.90%	6.78%	72.63%
30	672,196	689,845	852,399	1,038,069	1,159,407	1,245,828	1,337,705	2.63%	23.56%	21.78%	11.69%	7.45%	7.37%	99.01%
31	235,639	222,726	550,300	577,713	622,308	658,065	694,758	-5.48%	147.07%	4.98%	7.72%	5.75%	5.58%	194.84%
32	73,588	67,397	72,952	76,313	81,623	86,015	90,468	-8.41%	8.24%	4.61%	6.96%	5.38%	5.18%	22.94%
33	140,334	147,263	207,794	300,549	341,660	369,564	399,449	4.94%	41.10%	44.64%	13.68%	8.17%	8.09%	184.64%
34	294,566	275,551	326,675	367,712	408,010	436,953	467,484	-6.46%	18.55%	12.56%	10.96%	7.09%	6.99%	58.70%
35	557,026	565,361	750,731	891,355	987,087	1,056,891	1,130,671	1.50%	32.79%	18.73%	10.74%	7.07%	6.98%	102.98%
36	120,389	111,201	131,957	151,135	166,501	177,859	189,807	-7.63%	18.66%	14.53%	10.17%	6.82%	6.72%	57.66%
37	306,601	304,324	395,053	480,343	531,551	568,292	606,848	-0.74%	29.81%	21.59%	10.66%	6.91%	6.78%	97.93%
38	319,084	300,351	368,085	430,936	475,540	508,240	542,644	-5.87%	22.55%	17.08%	10.35%	6.88%	6.77%	70.06%
39	310,202	301,414	354,301	395,776	431,651	458,599	486,496	-2.83%	17.55%	11.71%	9.06%	6.24%	6.08%	56.83%
40	48,809	48,684	54,221	58,156	62,315	65,741	69,235	-0.26%	11.37%	7.26%	7.15%	5.50%	5.31%	41.85%
41	64,614	64,420	84,445	107,047	123,621	134,402	145,979	-0.30%	31.09%	26.76%	15.48%	8.72%	8.61%	125.92%

Note:- data does not include external AAZ's

Table 18 cont…
Total Air Passengers Originating Trips by AAZ

	Total Trips							Percent Change						
AAZ	**2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030**	**00-05**	**05-10**	**10-15**	**15-20**	**20-25**	**25-30**	**00-30**
42	93,831	89,406	103,852	116,648	127,448	135,233	143,196	-4.72%	16.16%	12.32%	9.26%	6.11%	5.89%	52.61%
43	429,822	409,743	480,019	540,920	600,888	643,804	689,107	-4.67%	17.15%	12.69%	11.09%	7.14%	7.04%	60.32%
44	642,092	604,720	714,609	809,995	907,845	976,218	1,048,804	-5.82%	18.17%	13.35%	12.08%	7.53%	7.44%	63.34%
45	97,184	91,114	113,304	135,608	156,424	170,541	185,894	-6.25%	24.35%	19.68%	15.35%	9.02%	9.00%	91.28%
46	424,881	446,972	582,171	687,862	774,625	834,893	899,175	5.20%	30.25%	18.15%	12.61%	7.78%	7.70%	111.63%
47	430,721	416,873	518,309	585,497	651,036	699,168	750,529	-3.22%	24.33%	12.96%	11.19%	7.39%	7.35%	74.25%
48	139,020	129,505	168,813	208,136	243,176	266,775	292,672	-6.84%	30.35%	23.29%	16.84%	9.70%	9.71%	110.52%
49	593,510	599,511	762,589	909,260	1,038,305	1,124,559	1,216,935	1.01%	27.20%	19.23%	14.19%	8.31%	8.21%	105.04%
50	172,924	169,822	223,559	264,570	301,973	326,294	352,077	-1.79%	31.64%	18.34%	14.14%	8.05%	7.90%	103.60%
51	172,776	175,913	236,320	286,665	327,584	353,792	381,464	1.82%	34.34%	21.30%	14.27%	8.00%	7.82%	120.79%
52	101,899	101,397	124,646	142,744	157,760	168,011	178,538	-0.49%	22.93%	14.52%	10.52%	6.50%	6.27%	75.21%
53	26,438	25,824	31,482	35,712	39,664	42,314	45,043	-2.32%	21.91%	13.44%	11.07%	6.68%	6.45%	70.37%
54	116,396	140,631	193,697	238,429	275,503	300,329	327,262	20.82%	37.73%	23.09%	15.55%	9.01%	8.97%	181.16%
55	470,593	453,763	598,041	730,473	847,103	925,768	1,011,586	-3.58%	31.80%	22.14%	15.97%	9.29%	9.27%	114.96%
56	512,517	513,176	721,049	908,641	1,075,767	1,186,868	1,309,494	0.13%	40.51%	26.02%	18.39%	10.33%	10.33%	155.50%
57	214,958	209,775	270,264	327,239	373,711	405,688	440,274	-2.41%	28.84%	21.08%	14.20%	8.56%	8.53%	104.82%
58	602,037	612,639	822,171	1,007,230	1,148,661	1,242,078	1,341,560	1.76%	34.20%	22.51%	14.04%	8.13%	8.01%	122.84%
59	128,793	133,161	172,723	203,390	231,089	249,050	267,966	3.39%	29.71%	17.76%	13.62%	7.77%	7.60%	108.06%
60	150,306	156,703	213,750	255,049	289,461	310,763	332,773	4.26%	36.40%	19.32%	13.49%	7.36%	7.08%	121.40%
61	269,909	296,043	397,928	474,193	533,730	570,064	606,922	9.68%	34.42%	19.17%	12.56%	6.81%	6.47%	124.86%
62	282,119	304,788	422,269	509,082	576,336	618,640	662,467	8.04%	38.55%	20.56%	13.21%	7.34%	7.08%	134.82%
63	114,726	125,128	174,023	216,376	244,389	262,444	281,262	9.07%	39.08%	24.34%	12.95%	7.39%	7.17%	145.16%
64	99,082	101,505	127,838	150,265	164,209	174,173	184,332	2.45%	25.94%	17.54%	9.28%	6.07%	5.83%	86.04%
65	992,978	1,050,272	1,560,170	2,034,435	2,422,831	2,678,735	2,961,530	5.77%	48.55%	30.40%	19.09%	10.56%	10.56%	198.25%
66	73,514	83,919	139,740	208,666	242,882	265,122	289,176	14.15%	66.52%	49.32%	16.40%	9.16%	9.07%	293.36%
67	428,987	446,073	666,474	906,191	1,084,725	1,202,256	1,332,520	3.98%	49.41%	35.97%	19.70%	10.84%	10.83%	210.62%
68	380,991	407,950	585,687	766,935	889,243	970,344	1,058,325	7.08%	43.57%	30.95%	15.95%	9.12%	9.07%	177.78%
69	535,723	590,237	833,643	1,069,566	1,241,329	1,356,243	1,481,373	10.18%	41.24%	28.30%	16.06%	9.26%	9.23%	176.52%
70	308,525	448,569	824,801	1,287,065	1,543,013	1,710,307	1,895,502	45.39%	83.87%	56.05%	19.89%	10.84%	10.83%	514.38%
71	209,327	218,065	315,984	408,462	472,265	513,092	556,739	4.17%	44.90%	29.27%	15.62%	8.64%	8.51%	165.97%
72	176,480	172,585	227,518	269,582	310,011	337,652	367,701	-2.21%	31.83%	18.49%	15.00%	8.92%	8.90%	108.35%
73	294,686	313,567	450,557	587,246	673,786	729,074	787,671	6.41%	43.69%	30.34%	14.74%	8.21%	8.04%	167.29%
74	80,854	86,768	115,414	136,821	152,238	162,052	171,977	7.31%	33.01%	18.55%	11.27%	6.45%	6.12%	112.70%
75	69,088	77,503	107,656	129,192	144,162	153,324	162,487	12.18%	38.91%	20.00%	11.59%	6.36%	5.98%	135.19%
76	120,184	132,846	184,436	234,917	264,144	282,724	301,856	10.53%	38.83%	27.37%	12.44%	7.03%	6.77%	151.16%
77	32,261	36,143	47,439	57,307	62,623	66,623	70,786	12.03%	31.25%	20.80%	9.28%	6.39%	6.25%	119.41%
78	79,105	88,804	116,989	142,926	156,434	166,454	176,863	12.26%	31.74%	22.17%	9.45%	6.41%	6.25%	123.58%
79	34,335	41,970	65,219	86,986	100,841	110,088	120,140	22.24%	55.40%	33.37%	15.93%	9.17%	9.13%	249.91%
80	51,736	56,305	84,927	114,043	133,346	146,402	160,758	8.83%	50.83%	34.28%	16.93%	9.79%	9.81%	210.73%
81	52,671	55,411	79,938	109,736	128,128	140,641	154,408	5.20%	44.26%	37.28%	16.76%	9.77%	9.79%	193.15%
82	28,053	29,136	43,639	58,215	69,312	76,484	84,361	3.86%	49.78%	33.40%	19.06%	10.35%	10.30%	200.72%
83	28,364	30,740	46,573	65,207	76,939	84,509	92,767	8.38%	51.50%	40.01%	17.99%	9.84%	9.77%	227.06%
Total	**19,158,874**	**19,912,080**	**26,837,455**	**32,680,164**	**37,170,267**	**40,144,734**	**43,305,500**	**3.93%**	**34.78%**	**21.77%**	**13.74%**	**8.00%**	**7.87%**	**126.03%**

Note:- data does not include external AAZ's

Table 19
Washington / Baltimore Region
Total Originating Air Passenger Trips by Jurisdiction

Jurisdiction	Total Originating Passengers						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	4,325,394	4,290,112	5,448,071	6,247,402	6,929,762	7,419,843	7,936,510
Montgomery County	2,452,846	2,507,625	3,366,727	4,142,136	4,744,707	5,141,869	5,566,650
Prince George's County	1,066,949	1,130,598	1,514,508	1,815,037	2,043,672	2,189,439	2,340,027
Arlington County	1,473,871	1,439,748	1,832,082	2,165,690	2,398,726	2,567,838	2,746,332
City of Alexandria	310,202	301,414	354,301	395,776	431,651	458,599	486,496
Fairfax County	3,263,586	3,323,777	4,569,767	5,663,056	6,600,053	7,230,190	7,919,949
Loudoun County	811,026	978,561	1,631,015	2,401,923	2,870,620	3,177,686	3,517,199
Prince William County	535,723	590,237	833,643	1,069,566	1,241,329	1,356,243	1,481,373
Frederick County	294,686	313,567	450,557	587,246	673,786	729,074	787,671
Howard County	499,927	567,978	800,019	985,766	1,112,372	1,188,832	1,266,375
Ann Arundel County	1,171,563	1,264,233	1,697,786	2,001,053	2,246,576	2,394,916	2,544,098
Charles County	120,184	132,846	184,436	234,917	264,144	282,724	301,856
Carroll County	103,565	115,964	162,089	199,245	223,610	238,322	253,104
Calvert County	80,854	86,768	115,414	136,821	152,238	162,052	171,977
St. Mary's County	69,088	77,503	107,656	129,192	144,162	153,324	162,487
King George County	32,261	36,143	47,439	57,307	62,623	66,623	70,786
City of Fredericksburg	34,335	41,970	65,219	86,986	100,841	110,088	120,140
Stafford County	79,105	88,804	116,989	142,926	156,434	166,454	176,863
Spotsylvania County	51,736	56,305	84,927	114,043	133,346	146,402	160,758
Fauquier County	52,671	55,411	79,938	109,736	128,128	140,641	154,408
Clarke County	28,053	29,136	43,639	58,215	69,312	76,484	84,361
Jefferson County	28,364	30,740	46,573	65,207	76,939	84,509	92,767
Baltimore City	1,112,345	1,209,838	1,601,005	1,872,505	2,115,406	2,262,259	2,411,526
Baltimore County	972,257	1,029,932	1,384,827	1,635,981	1,842,324	1,965,684	2,089,834
Harford County	188,281	212,868	298,828	362,432	407,505	434,638	461,953
Total	**19,158,874**	**19,912,080**	**26,837,455**	**32,680,164**	**37,170,267**	**40,144,734**	**43,305,500**

Note:- Data does not include external jurisdictions of PA, WV, DE, NJ, or external MD and VA

Table 20
Washington / Baltimore Region
Total Resident Air Passenger Originating Trips by Jurisdiction

Jurisdiction	Resident Passengers						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	906,800	900,451	1,123,962	1,314,674	1,469,806	1,577,824	1,691,914
Montgomery County	1,179,005	1,209,312	1,652,074	2,057,449	2,370,148	2,574,609	2,794,005
Prince George's County	488,244	516,978	692,004	829,255	933,041	999,323	1,067,767
Arlington County	412,452	403,100	513,899	606,944	674,740	723,462	775,036
City of Alexandria	102,976	99,843	116,745	129,957	141,475	150,221	159,272
Fairfax County	1,580,983	1,609,352	2,210,453	2,741,191	3,195,101	3,500,294	3,834,373
Loudoun County	381,096	472,230	792,069	1,167,952	1,393,363	1,540,941	1,703,898
Prince William County	300,626	326,831	456,643	586,014	681,308	745,970	816,804
Frederick County	166,436	177,385	257,561	338,250	389,641	422,345	457,108
Howard County	300,022	342,092	484,876	601,422	678,908	725,681	773,134
Ann Arundel County	367,478	399,109	537,633	635,086	713,601	761,039	808,816
Charles County	53,615	59,593	84,729	109,991	124,834	134,160	143,850
Carroll County	50,402	56,821	80,636	100,031	112,792	120,432	128,142
Calvert County	49,312	52,793	69,272	81,314	89,889	95,378	100,867
St. Mary's County	39,638	45,027	63,780	77,309	86,645	92,253	97,861
King George County	30,572	34,282	45,184	54,744	59,935	63,809	67,847
City of Fredericksburg	17,758	20,912	31,752	42,445	49,539	54,380	59,708
Stafford County	27,614	30,844	41,542	52,019	57,820	61,990	66,403
Spotsylvania County	39,890	43,345	65,218	87,502	102,298	112,330	123,366
Fauquier County	26,565	28,005	40,541	55,734	65,104	71,460	78,449
Clarke County	7,492	7,543	11,484	15,767	19,085	21,260	23,682
Jefferson County	17,217	18,657	28,630	40,463	47,968	52,799	58,083
Baltimore City	291,545	308,340	412,007	487,670	555,092	596,205	638,602
Baltimore County	471,685	499,295	671,714	794,314	894,998	955,275	1,016,032
Harford County	97,058	109,332	153,990	187,041	210,855	225,105	239,478
Total	**7,406,480**	**7,771,473**	**10,638,398**	**13,194,536**	**15,117,987**	**16,378,545**	**17,724,497**

Note:- Data does not include external jurisdictions of PA, WV, DE, NJ, or external MD and VA

Table 21
Washington / Baltimore Region
Total Non-Resident Air Passenger Originating Trips by Jurisdiction

Jurisdiction	Non-Resident Passengers						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	3,418,593	3,389,662	4,324,109	4,932,729	5,459,956	5,842,018	6,244,596
Montgomery County	1,273,842	1,298,314	1,714,653	2,084,687	2,374,559	2,567,261	2,772,645
Prince George's County	578,705	613,619	822,503	985,782	1,110,632	1,190,116	1,272,260
Arlington County	1,061,419	1,036,648	1,318,183	1,558,746	1,723,987	1,844,377	1,971,296
City of Alexandria	207,226	201,571	237,555	265,819	290,176	308,378	327,224
Fairfax County	1,682,603	1,714,425	2,359,314	2,921,864	3,404,952	3,729,895	4,085,575
Loudoun County	429,930	506,330	838,946	1,233,971	1,477,258	1,636,744	1,813,300
Prince William County	235,096	263,406	377,000	483,552	560,020	610,272	664,569
Frederick County	128,250	136,182	192,997	248,995	284,145	306,729	330,562
Howard County	199,905	225,886	315,142	384,344	433,464	463,151	493,241
Ann Arundel County	804,086	865,125	1,160,153	1,365,967	1,532,975	1,633,878	1,735,283
Charles County	66,570	73,253	99,707	124,926	139,310	148,565	158,006
Carroll County	53,163	59,143	81,453	99,215	110,818	117,890	124,962
Calvert County	31,542	33,975	46,143	55,507	62,349	66,674	71,110
St. Mary's County	29,450	32,476	43,877	51,883	57,516	61,071	64,626
King George County	1,689	1,861	2,255	2,563	2,689	2,814	2,939
City of Fredericksburg	16,577	21,058	33,467	44,541	51,302	55,709	60,432
Stafford County	51,492	57,960	75,447	90,907	98,614	104,464	110,460
Spotsylvania County	11,847	12,960	19,710	26,541	31,047	34,073	37,392
Fauquier County	26,106	27,406	39,397	54,002	63,024	69,181	75,959
Clarke County	20,561	21,593	32,155	42,448	50,227	55,224	60,679
Jefferson County	11,147	12,083	17,943	24,744	28,970	31,710	34,685
Baltimore City	820,800	901,497	1,188,998	1,384,835	1,560,314	1,666,054	1,772,925
Baltimore County	500,571	530,637	713,113	841,667	947,326	1,010,409	1,073,803
Harford County	91,223	103,536	144,838	175,392	196,650	209,533	222,475
Total	**11,752,394**	**12,140,606**	**16,199,057**	**19,485,628**	**22,052,280**	**23,766,189**	**25,581,004**

Note:- Data does not include external jurisdictions of PA, WV, DE, NJ, or external MD and VA

Table 22
Washington / Baltimore Region
Total Work Purpose Air Passenger Originating Trips by Jurisdiction

Jurisdiction	Work Purpose Passengers						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	2,495,290	2,469,435	3,146,469	3,552,058	3,915,698	4,183,529	4,465,247
Montgomery County	1,065,176	1,084,086	1,427,687	1,735,289	1,975,216	2,135,528	2,306,553
Prince George's County	521,766	551,049	733,480	875,026	983,109	1,052,692	1,124,607
Arlington County	846,203	817,880	1,013,276	1,176,186	1,290,226	1,376,746	1,467,836
City of Alexandria	158,298	152,211	172,007	186,136	199,282	210,175	221,272
Fairfax County	1,750,509	1,775,318	2,441,293	3,030,053	3,536,834	3,878,717	4,253,788
Loudoun County	402,763	480,289	800,885	1,186,150	1,422,768	1,578,406	1,751,076
Prince William County	248,095	274,615	395,955	514,765	601,195	658,364	720,724
Frederick County	138,325	146,155	208,762	272,016	312,269	338,199	365,779
Howard County	236,033	267,176	375,642	462,702	522,739	559,133	596,167
Ann Arundel County	488,027	522,534	697,042	817,971	917,137	977,237	1,037,619
Charles County	48,006	51,252	67,415	83,683	93,115	99,523	106,177
Carroll County	38,291	42,661	59,666	73,610	82,828	88,436	94,113
Calvert County	37,245	40,871	56,569	68,375	76,883	82,122	87,447
St. Mary's County	24,062	27,160	38,094	45,944	51,380	54,676	57,971
King George County	25,505	28,019	35,765	42,672	46,431	49,439	52,609
City of Fredericksburg	15,524	19,454	27,305	32,757	35,544	37,535	39,527
Stafford County	39,568	43,858	55,588	66,055	71,230	75,462	79,854
Spotsylvania County	16,609	18,064	25,978	33,546	38,400	41,768	45,430
Fauquier County	13,793	14,521	22,208	31,828	37,973	42,058	46,589
Clarke County	8,597	8,853	13,319	17,911	21,425	23,706	26,221
Jefferson County	16,496	18,407	27,852	38,277	44,634	48,651	52,962
Baltimore City	579,010	640,517	846,734	985,828	1,109,879	1,184,244	1,259,140
Baltimore County	374,406	398,866	537,825	636,598	715,979	763,332	810,841
Harford County	113,104	128,504	180,461	218,780	245,579	261,709	277,898
Total	**9,700,700**	**10,021,757**	**13,407,278**	**16,184,218**	**18,347,753**	**19,801,387**	**21,347,447**

Note:- Data does not include external jurisdictions of PA, WV, DE, NJ, or external MD and VA

Table 23
Washington / Baltimore Region
Total Non-Work Purpose Air Passenger Originating Trips by Jurisdiction

Jurisdiction	Non-Work Purpose Passengers						
	2000	2005	2010	2015	2020	2025	2030
District of Columbia	1,830,104	1,820,677	2,301,602	2,695,344	3,014,064	3,236,314	3,471,263
Montgomery County	1,387,670	1,423,540	1,939,040	2,406,847	2,769,491	3,006,341	3,260,097
Prince George's County	545,183	579,548	781,027	940,011	1,060,563	1,136,746	1,215,420
Arlington County	627,668	621,868	818,806	989,503	1,108,500	1,191,092	1,278,497
City of Alexandria	151,904	149,204	182,294	209,640	232,369	248,424	265,224
Fairfax County	1,513,076	1,548,458	2,128,473	2,633,003	3,063,219	3,351,473	3,666,161
Loudoun County	408,263	498,271	830,130	1,215,772	1,447,852	1,599,280	1,766,123
Prince William County	287,627	315,622	437,688	554,802	640,134	697,878	760,649
Frederick County	156,362	167,412	241,795	315,229	361,517	390,875	421,891
Howard County	263,894	300,802	424,377	523,064	589,633	629,700	670,207
Ann Arundel County	683,537	741,700	1,000,745	1,183,082	1,329,439	1,417,679	1,506,479
Charles County	72,178	81,593	117,021	151,234	171,030	183,201	195,679
Carroll County	65,274	73,303	102,423	125,635	140,782	149,886	158,991
Calvert County	43,610	45,897	58,845	68,445	75,355	79,930	84,530
St. Mary's County	45,026	50,343	69,562	83,248	92,781	98,649	104,516
King George County	6,757	8,124	11,674	14,635	16,192	17,185	18,177
City of Fredericksburg	18,811	22,516	37,914	54,229	65,296	72,553	80,613
Stafford County	39,537	44,945	61,401	76,870	85,205	90,992	97,009
Spotsylvania County	35,128	38,241	58,950	80,497	94,946	104,635	115,328
Fauquier County	38,879	40,890	57,730	77,908	90,155	98,584	107,819
Clarke County	19,456	20,283	30,320	40,304	47,887	52,778	58,139
Jefferson County	11,868	12,333	18,720	26,930	32,305	35,858	39,806
Baltimore City	533,335	569,320	754,272	886,677	1,005,527	1,078,015	1,152,386
Baltimore County	597,851	631,066	847,002	999,383	1,126,346	1,202,351	1,278,993
Harford County	75,177	84,365	118,367	143,653	161,925	172,929	184,055
Total	**9,458,174**	**9,890,323**	**13,430,177**	**16,495,946**	**18,822,515**	**20,343,347**	**21,958,053**

Note:- Data does not include external jurisdictions of PA, WV, DE, NJ, or external MD and VA