

# Update of the Regional Air Cargo Plan

TPB Regional Freight Subcommittee  
December 5, 2014  
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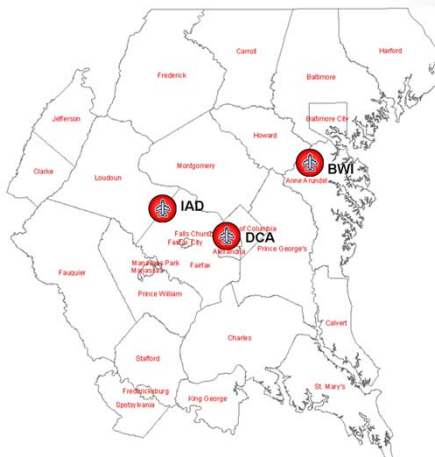
## Overview

- TPB Continuous Air System Planning (CASP) Program
- Previous Air Cargo Studies
- Air Cargo Plan Update Scope of Work and Schedule
- Updated Plan Background Information on Population and Employment
- Next Steps

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## Having Three Commercial Airports is a Key Regional Asset

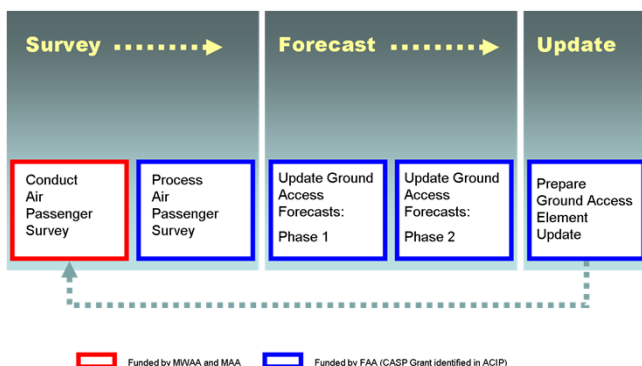
- Historically, three airports with three distinct markets
- Serve air passengers and air cargo
- Multimodal ground access
- COG (with MWA and BWI) conducts regional air passenger surveys every two years
- COG also prepares airport ground access forecasts, monitors ground access travel time, and prepares a regional air system plan (including an air cargo element)
- Aviation Technical Subcommittee has oversight of the CASP Work Program



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## Current CASP Process and Projects

The CASP cycle has three (3) distinct phases each containing specific projects and milestones.



*\*Note: Several key planning studies are not completed during every CASP cycle. These include the Ground Access Travel Time Study and the Air Cargo Element Update, among others. These specialized studies are updated with less frequency, but their results are incorporated into the overall CASP and regional transportation planning processes.*

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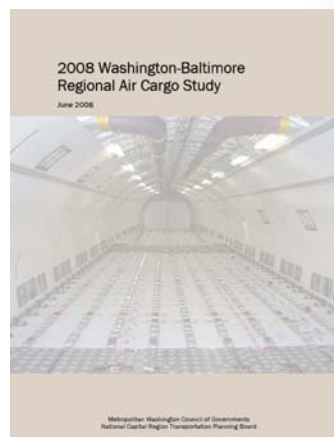
## Previous Airport and Air Cargo Studies

- The Future of Washington's Airports (1975) – **Air Cargo Not Covered**
- Washington-Baltimore Regional Airport System Plan Volume I: Commercial Airports (1988) – **Air Cargo Not Covered**
  - *In adopting plan, TPB recommends that future air system planning efforts include an assessment of regional air cargo needs*
- Washington-Baltimore Regional Airport System Plan Volume II: Ground Access (1993-4) – **Air Cargo Not Covered**
  - *Numerous comments received that plan does not yet adequately address goods movement with respect to air cargo*
- Washington-Baltimore Regional Airport System Plan Volume III: Air Cargo (1997-8) – **First Regional Air Cargo Plan!**
  - Analyzes BWI and IAD only (DCA excluded)
  - “Another issue related to regional access that was stressed at Dulles is highway access to points west.”

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## 2008 Washington-Baltimore Regional Air Cargo Study

- Focuses primarily on IAD and BWI
- Four main recommendations focused on:
  - Improving circulation, truck access and congestion around air cargo facilities
  - Incorporating air cargo needs into airport comprehensive planning
  - Airport participation in regional surface transportation planning process
  - Collaboratively identify mutually beneficial opportunities for improving regional airport ground access



[http://www.mwcog.org/transportation/activities/airports/documents/AirCargo\\_FinalReport-26June\\_1s.pdf](http://www.mwcog.org/transportation/activities/airports/documents/AirCargo_FinalReport-26June_1s.pdf)

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## 2014-15 Regional Air Cargo Study: Scope of Work

- Regional Air Cargo System Supply Analysis
  - Facilities Review
  - Literature Review
  - Supply Analysis Technical Report
- Regional Air Cargo System Demand Analysis
  - Estimated Potential Demand for Air Cargo
    - Impact of 2008-2009 Recession and other economic factors
  - Forecasted Airport Ground Access
  - Compare Demand with Supply Identified in Technical Report
    - Surface Network Analysis Focused on Regional Freight Network with added Airport Access Facilities
- Draft and Final Reports

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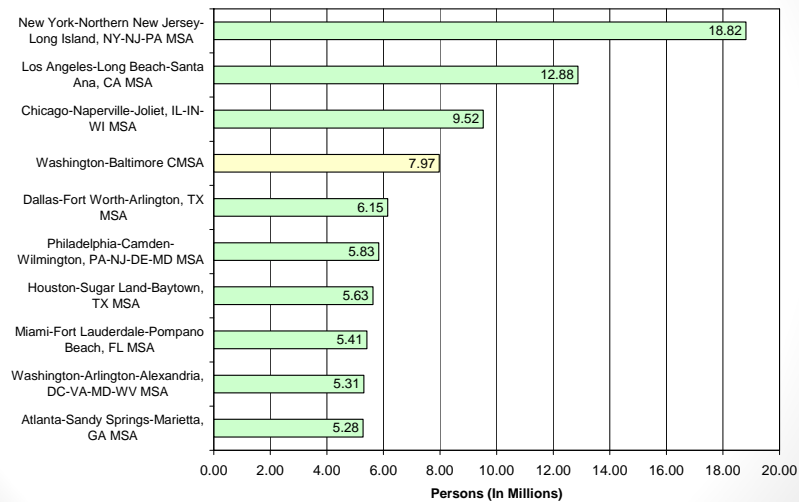
## 2014-15 Regional Air Cargo Study: Project Schedule

- Supply Analysis was to have to begun in December 2013 and be completed in August 2014
- Delays due to staffing issues and other Air Systems project demands
- Supply Analysis ongoing, Demand Analysis to follow
- Draft Study Report by Spring
- Final Report issued no later than June 30, 2015

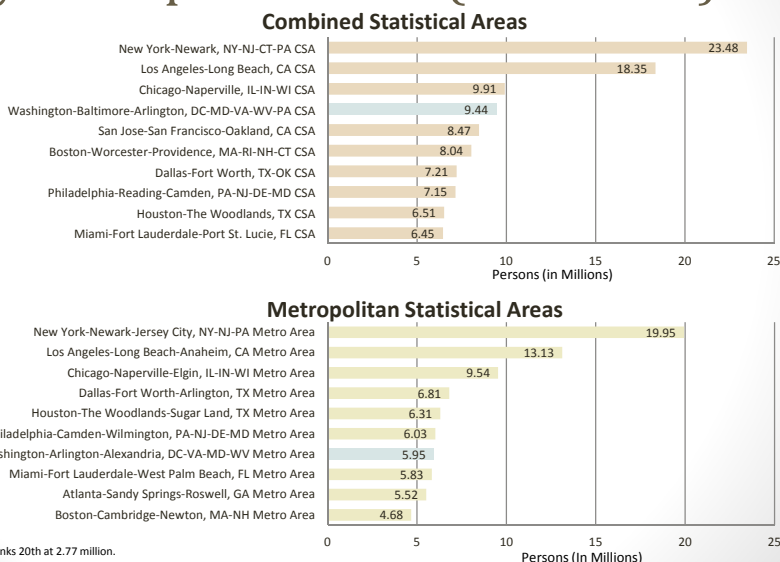
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# Plan Update: Background Demographic and Employment Information

## 2007 Population Estimates By Metropolitan Area (In Millions)



## 2013 Population Estimates By Metropolitan Area (In Millions)



## Findings

- Washington-Baltimore-Arlington CSA remains an economic engine for the country
  - It is still the fourth largest area
- Will try to reconcile the geographical definitional differences for updated report

# Per Capita Income

From 2007 Report:

Area Name	2001	2002	2003	2004	2005	2006
United States	30,574	30,821	31,504	33,123	34,757	36,714
Washington-Arlington-Alexandria, DC-VA-MD-WV (MSA)	42,370	42,762	43,830	46,452	49,442	51,868
Baltimore-Towson, MD (MSA)	34,896	35,929	36,727	39,154	40,933	43,026

Current:

Area Name	2001	2006	2007	2008	2009	2010	2011	2012
United States	31,524	38,127	39,804	40,873	39,379	40,144	42,332	44,200
Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area)	43,514	54,577	56,876	58,577	57,249	58,223	60,834	61,743
Baltimore-Columbia-Towson, MD (Metropolitan Statistical Area)	35,929	45,796	47,792	49,139	48,709	49,646	52,413	54,201

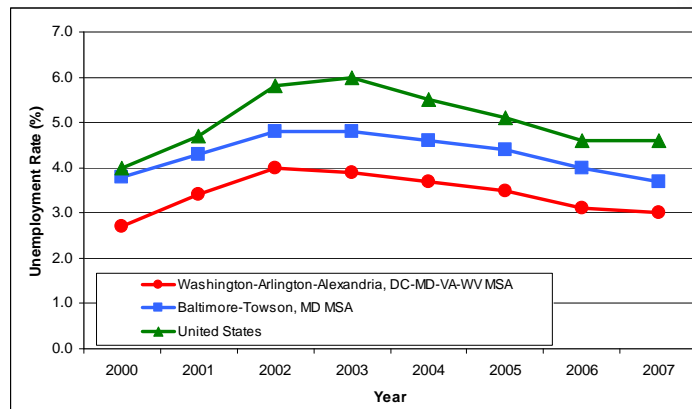
Per capita personal income was computed using Census Bureau midyear population estimates. Estimates for 2010-2012 reflect county population estimates available as of March 2013.  
Source: BEA Regional Data, Tables SA1-3 and CA1-3

- Per Capita Income has been up and down, but growing since 2010
- Growth has been less in the regions than nationally since 2010

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# Annual Unemployment Rates: 2000-2007

	2000	2001	2002	2003	2004	2005	2006	2007
Washington-Arlington-Alexandria, DC-MD-VA-WV MSA	2.7	3.4	4.0	3.9	3.7	3.5	3.1	3.0
Baltimore-Towson, MD MSA	3.8	4.3	4.8	4.8	4.6	4.4	4.0	3.7
United States	4.0	4.7	5.8	6.0	5.5	5.1	4.6	4.6



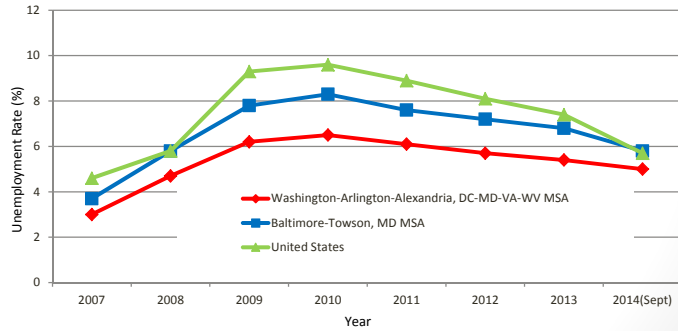
(Not Seasonally Adjusted)

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## Annual Unemployment Rates: 2007-2014

Annual Unemployment Rates	2007	2008	2009	2010	2011	2012	2013	2014(Sept)
Washington-Arlington-Alexandria, DC-MD-VA-WV MSA	3	4.7	6.2	6.5	6.1	5.7	5.4	5
Baltimore-Towson, MD MSA	3.7	5.8	7.8	8.3	7.6	7.2	6.8	5.8
United States	4.6	5.8	9.3	9.6	8.9	8.1	7.4	5.7

Note: 2014 is a preliminary estimate for the month of September and will be updated in 2015 for the entire year.



(Not Seasonally Adjusted)

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## Unemployment

- Recession occurred within months of previous report
- Unemployment is almost back down to 2007 levels
- Wages have stagnated – affects demand for consumer goods

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## Population by Jurisdiction: 2007 Report

### Washington / Baltimore Air System Planning Region

Jurisdiction	Population (1000s)				Percent Change (%)			
	2000	2010	2020	2030	2000-10	2010-20	2020-30	2010-30
District of Columbia	572.1	601.1	665.2	714.1	5.1	10.7	7.3	18.8
Anne Arundel County, MD	489.7	532.5	555.0	571.7	8.8	4.2	3.0	7.4
Baltimore City, MD	651.2	659.2	675.8	685.9	1.2	2.5	1.5	4.0
Baltimore County, MD	754.3	821.7	842.3	849.7	8.9	2.5	0.9	3.4
Calvert County, MD	74.6	91.0	96.0	101.4	22.0	5.5	5.6	11.4
Carroll County, MD	150.9	183.5	206.1	226.7	21.6	12.3	10.0	23.5
Charles County, MD	120.5	147.4	177.2	204.2	22.3	20.2	15.3	38.5
Frederick County, MD	195.3	243.2	287.9	339.7	24.6	18.4	18.0	39.7
Harford County, MD	218.6	257.0	277.0	282.1	17.6	7.8	1.8	9.8
Howard County, MD	250.8	288.7	316.6	325.0	15.1	9.7	2.6	12.6
Montgomery County, MD	866.3	982.6	1,067.7	1,137.6	13.4	8.7	6.5	15.8
Prince George's County, MD	815.1	908.2	968.9	1,000.3	11.4	6.7	3.2	10.1
St. Mary's County, MD	86.2	100.8	114.8	127.6	16.9	13.9	11.2	26.6
City of Alexandria, VA	128.3	142.6	156.2	171.1	11.2	9.5	9.5	20.0
Arlington County, VA	190.3	217.2	235.8	242.5	14.1	8.6	2.8	11.6
Clarke County, VA	12.7	15.4	16.9	18.8	21.9	9.7	11.2	21.9
Fairfax County, VA	1,000.7	1,171.3	1,319.1	1,375.9	17.0	12.6	4.3	17.5
Fauquier County, VA	56.1	74.5	98.8	131.2	32.6	32.7	32.8	76.2
City of Fredericksburg, VA	19.3	22.1	24.8	26.0	14.9	12.2	4.7	17.4
King George County, VA	16.8	23.5	28.1	32.8	40.1	19.3	16.7	39.2
Loudoun County, VA	169.6	301.1	409.9	468.5	77.6	36.1	14.3	55.6
Prince William County, VA	326.7	469.3	548.8	613.7	43.7	16.9	11.8	30.8
Spotsylvania County, VA (part)	71.6	105.8	137.5	166.4	47.8	29.9	21.0	57.2
Stafford County, VA	92.4	135.3	175.0	210.9	46.4	29.3	20.5	55.8
Jefferson County, WV	42.2	51.4	62.7	76.4	21.9	21.9	21.9	48.6
<b>Total</b>	<b>7,372.2</b>	<b>8,546.8</b>	<b>9,464.1</b>	<b>10,100.0</b>	<b>15.9</b>	<b>10.7</b>	<b>6.7</b>	<b>18.2</b>

Source: MWCOG  
Round 7.1  
Cooperative Forecasts  
(approved January  
2008) and BMC  
Round 7 Cooperative  
Forecasts (approved  
February 2007)

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## Population by Jurisdiction: Current

### Washington / Baltimore Air System Planning Region

Jurisdiction	Population (1000s)				Percent Change (%)			
	2010	2020	2030	2040	2010-20	2020-30	2030-40	2010-40
District of Columbia	601.8	715.5	808.7	883.6	15.9	11.5	8.5	31.9
Anne Arundel County, MD	537.3	573.5	597.1	615.6	6.3	4.0	3.0	12.7
Baltimore City, MD	621.0	647.3	667.2	680.3	4.1	3.0	1.9	8.7
Baltimore County, MD	805.0	831.5	856.9	875.0	3.2	3.0	2.1	8.0
Calvert County, MD	91.7	100.5	105.1	108.9	8.8	4.4	3.5	15.8
Carroll County, MD	167.1	175.9	183.2	189.6	5.0	4.0	3.4	11.9
Charles County, MD	144.6	176.0	202.6	224.9	17.8	13.1	9.9	35.7
Frederick County, MD	233.4	258.8	297.7	330.0	9.8	13.1	9.8	29.3
Harford County, MD	244.8	264.9	284.0	301.9	7.6	6.7	5.9	18.9
Howard County, MD	287.1	321.3	343.3	350.1	10.6	6.4	1.9	18.0
Montgomery County, MD	972.6	1,067.0	1,153.9	1,202.8	8.8	7.5	4.1	19.1
Prince George's County, MD	863.4	899.9	950.0	995.5	4.1	5.3	4.6	13.3
St. Mary's County, MD	104.8	130.1	151.4	173.8	19.4	14.1	12.9	39.7
City of Alexandria, VA	140.0	158.1	174.0	194.9	11.4	9.1	10.7	28.2
Arlington County, VA	207.6	236.1	258.8	276.1	12.1	8.8	6.3	24.8
Clarke County, VA	14.0	15.0	15.8	16.6	6.7	5.1	4.8	15.7
Fairfax County, VA	1,116.8	1,193.6	1,308.9	1,414.2	6.4	8.8	7.4	21.0
Fauquier County, VA	65.2	74.1	83.3	93.0	12.0	11.0	10.4	29.9
City of Fredericksburg, VA	24.3	27.2	30.6	33.6	10.7	11.1	8.9	27.7
King George County, VA	23.6	30.2	37.8	44.7	21.9	20.1	15.4	47.2
Loudoun County, VA	312.3	368.0	468.7	484.5	15.1	21.5	3.3	35.5
Prince William County, VA	454.1	552.0	623.1	676.0	17.7	11.4	7.8	32.8
Spotsylvania County, VA (part)	96.0	119.4	139.4	155.4	19.6	14.3	10.3	38.2
Stafford County, VA	129.0	169.8	212.7	251.9	24.0	20.2	15.6	48.8
Jefferson County, WV	53.5	62.7	71.2	79.1	14.7	11.9	10.0	32.4
<b>Total</b>	<b>8,311.0</b>	<b>9,168.4</b>	<b>10,025.4</b>	<b>10,652.0</b>	<b>9.4</b>	<b>8.5</b>	<b>5.9</b>	<b>22.0</b>

Source: MWCOG  
Cooperative  
Forecast Round 8.3  
(approved October  
2014) and BMC  
Cooperative  
Forecast Round 8.0  
(approved August  
2013)

## Population Projection Findings

- 2010 Census found lower population numbers than had been projected
- Resulting post Census growth has been pushed out (as seen in 2020), but is still expected by around 2030
- Percent growth in population between 2010 and 2030 in 2008 report was 18.2% and is currently expected to be 20.6% regionally

## Households by Jurisdiction: 2007 Report

### Washington / Baltimore Air System Planning Region

Jurisdiction	Households (1000s)				Percent Change (%)			
	2000	2010	2020	2030	2000-10	2010-20	2020-30	2010-30
District of Columbia	248.3	265.8	302.0	325.7	7.0	13.6	7.9	22.6
Anne Arundel County, MD	178.7	202.4	217.5	229.1	13.3	7.5	5.3	13.2
Baltimore City, MD	258.0	266.1	278.7	284.7	3.1	4.7	2.1	7.0
Baltimore County, MD	299.9	330.8	339.6	343.1	10.3	2.7	1.0	3.7
Calvert County, MD	25.4	31.0	34.3	36.2	22.0	10.6	5.5	16.6
Carroll County, MD	52.5	64.9	74.8	84.6	23.7	15.2	13.2	30.4
Charles County, MD	41.7	52.2	63.7	76.9	25.3	21.9	20.8	47.2
Frederick County, MD	70.1	87.7	104.1	123.1	25.2	18.7	18.2	40.4
Harford County, MD	79.7	97.0	107.9	112.7	21.8	11.3	4.4	16.2
Howard County, MD	91.0	110.0	126.6	133.0	20.9	15.1	5.0	20.9
Montgomery County, MD	323.4	368.8	406.7	440.1	14.0	10.3	8.2	19.3
Prince George's County, MD	289.8	329.8	360.6	379.1	13.8	9.3	5.1	14.9
St. Mary's County, MD	30.6	36.4	42.6	48.4	18.9	16.9	13.6	32.8
City of Alexandria, VA	61.9	70.3	78.3	87.0	13.6	11.4	11.0	23.7
Arlington County, VA	86.9	103.0	114.3	117.8	18.6	10.9	3.1	14.3
Clarke County, VA	4.9	6.1	6.9	7.8	24.3	11.7	13.3	26.5
Fairfax County, VA	363.1	426.0	479.2	500.1	17.3	12.5	4.4	17.4
Fauquier County, VA	20.2	26.9	35.7	47.5	33.0	33.0	33.0	76.8
City of Fredericksburg, VA	8.1	9.4	10.8	11.4	15.6	15.7	4.8	21.2
King George County, VA	6.1	8.8	10.7	12.5	44.7	21.6	16.5	41.7
Loudoun County, VA	59.9	106.3	146.0	165.9	77.5	37.4	13.6	56.0
Prince William County, VA	109.7	159.3	188.6	212.9	45.3	18.4	12.8	33.6
Spotsylvania County, VA (part)	24.8	36.8	48.7	58.7	48.6	32.3	20.6	59.6
Stafford County, VA	30.2	43.5	57.5	69.2	44.1	32.1	20.4	59.0
Jefferson County, WV	16.2	20.4	26.0	33.1	26.4	27.1	27.4	61.9
<b>Total</b>	<b>2,781.0</b>	<b>3,260.1</b>	<b>3,662.0</b>	<b>3,940.4</b>	<b>17.2</b>	<b>12.3</b>	<b>7.6</b>	<b>20.9</b>

Source:  
MWCOC Round  
7.1 Cooperative  
Forecasts  
(approved  
January 2008)  
and BMC Round  
7 Cooperative  
Forecasts  
(approved  
February 2007)

## Households by Jurisdiction: Current

### Washington / Baltimore Air System Planning Region

Jurisdiction	Households (1000s)				Percent Change (%)			
	2010	2020	2030	2040	2010-20	2020-30	2030-40	2010-40
District of Columbia	266.7	305.6	340.3	370.8	14.6	11.4	8.9	39.0
Anne Arundel County, MD	199.4	213.5	227.6	241.6	7.1	6.6	6.1	21.2
Baltimore City, MD	249.9	261.4	269.6	275.0	4.6	3.1	2.0	10.0
Baltimore County, MD	316.7	327.4	337.5	344.6	3.4	3.1	2.1	8.8
Calvert County, MD	32.0	36.0	38.3	40.3	12.4	6.4	5.1	25.8
Carroll County, MD	62.4	66.2	69.7	72.9	6.1	5.2	4.5	16.7
Charles County, MD	51.0	64.3	75.8	85.9	26.2	18.0	13.3	68.6
Frederick County, MD	84.8	96.5	111.1	123.2	13.8	15.2	10.9	45.3
Harford County, MD	90.2	100.3	109.8	117.6	11.2	9.5	7.1	30.4
Howard County, MD	104.7	126.8	137.6	140.7	21.1	8.5	2.2	34.3
Montgomery County, MD	361.0	397.0	434.8	460.2	10.0	9.5	5.8	27.5
Prince George's County, MD	304.0	336.1	359.9	379.0	10.5	7.1	5.3	24.7
St. Mary's County, MD	38.9	49.4	58.1	66.5	27.0	17.8	14.4	71.1
City of Alexandria, VA	68.1	77.0	84.7	94.9	13.0	10.1	12.0	39.3
Arlington County, VA	98.1	112.2	121.4	128.6	14.4	8.2	5.9	31.2
Clarke County, VA	5.5	6.0	6.3	6.6	8.6	5.7	4.9	20.4
Fairfax County, VA	399.6	429.7	478.9	523.5	7.5	11.4	9.3	31.0
Fauquier County, VA	23.7	27.0	30.3	33.8	13.9	12.3	11.7	42.9
City of Fredericksburg, VA	9.5	11.0	12.5	13.7	15.4	14.4	9.5	44.5
King George County, VA	8.4	11.2	14.4	17.1	34.2	27.8	19.3	104.7
Loudoun County, VA	104.6	139.5	158.1	164.3	33.4	13.4	3.9	57.1
Prince William County, VA	147.8	183.3	210.5	229.9	24.0	14.8	9.2	55.5
Spotsylvania County, VA (part)	32.8	42.2	50.1	55.6	28.4	18.8	11.0	69.3
Stafford County, VA	41.8	57.5	73.4	87.7	37.7	27.5	19.5	109.9
Jefferson County, WV	19.9	26.1	31.0	35.7	30.9	18.9	15.2	79.3
<b>Total</b>	<b>3,121.5</b>	<b>3,503.0</b>	<b>3,841.9</b>	<b>4,109.7</b>	<b>12.2</b>	<b>9.7</b>	<b>7.0</b>	<b>31.7</b>

Source: MWCOG Cooperative Forecast Round 8.3 (approved October 2014) and BMC Cooperative Forecast Round 8.0 (approved August 2013)

## Household Projection Findings

- 2010 Census found lower household counts than had been projected
- Fewer household are now being projected for 2020 and 2030 than had been previously assumed (about 100,000 each)
  - Demographers have been debating how small the average household size can get
- Percent growth in households between 2010 and 2030 in 2008 report was 20.9% and is currently expected to be 23.1% regionally

## At-Place Employment by Jurisdiction: 2007 Report

### Washington / Baltimore Air System Planning Region

Jurisdiction	Employment (1000s)				Percent Change (%)			
	2000	2010	2020	2030	2000-10	2010-20	2020-30	2010-30
District of Columbia	743.6	783.7	844.3	881.4	5.4	7.7	4.4	12.5
Anne Arundel County, MD	297.0	341.3	398.8	439.0	14.9	16.9	10.1	28.7
Baltimore City, MD	460.6	451.4	471.2	481.6	-2.0	4.4	2.2	6.7
Baltimore County, MD	452.0	509.7	523.7	527.7	12.7	2.8	0.8	3.5
Calvert County, MD	22.8	32.9	34.5	35.6	44.1	4.9	3.2	8.2
Carroll County, MD	68.3	84.3	88.3	90.3	23.4	4.8	2.3	7.2
Charles County, MD	41.9	62.9	66.8	69.1	50.2	6.2	3.4	9.9
Frederick County, MD	96.3	142.4	158.3	167.3	47.9	11.1	5.7	17.4
Harford County, MD	96.0	129.7	147.3	163.5	35.1	13.6	11.0	26.1
Howard County, MD	160.0	196.4	231.2	260.2	22.7	17.7	12.6	32.5
Montgomery County, MD	472.1	542.6	613.3	668.1	14.9	13.0	8.9	23.1
Prince George's County, MD	340.4	367.8	422.1	520.3	8.0	14.8	23.3	41.5
St. Mary's County, MD	49.6	61.9	65.1	67.2	24.8	5.2	3.2	8.6
City of Alexandria, VA	89.3	107.8	124.5	141.5	20.8	15.5	13.6	31.3
Arlington County, VA	182.6	215.4	241.9	258.4	18.0	12.3	6.9	20.0
Clarke County, VA	4.4	5.1	5.7	6.4	15.1	13.1	11.3	25.9
Fairfax County, VA	615.3	726.7	835.3	907.2	18.1	14.9	8.6	24.8
Fauquier County, VA	17.2	22.3	29.2	35.4	29.5	30.9	21.3	58.7
City of Fredericksburg, VA	21.9	28.1	34.0	39.9	28.3	21.2	17.3	42.2
King George County, VA	11.1	13.0	15.4	17.7	17.5	17.9	15.1	35.7
Loudoun County, VA	90.5	166.9	241.3	290.7	84.4	44.6	20.5	74.2
Prince William County, VA	119.9	157.7	190.2	217.8	31.6	20.6	14.5	38.1
Spotsylvania County, VA (part)	27.9	39.1	47.4	55.7	40.3	21.1	17.4	42.2
Stafford County, VA	30.2	44.1	57.1	67.9	46.1	29.5	18.9	54.0
Jefferson County, WV	12.8	16.8	20.8	24.5	31.6	24.0	17.5	45.7
<b>Total</b>	<b>4,523.7</b>	<b>5,249.9</b>	<b>5,907.7</b>	<b>6,434.5</b>	<b>16.1</b>	<b>12.5</b>	<b>8.9</b>	<b>22.6</b>

Source: MWCOG Round 7.1 Cooperative Forecasts (approved January 2008) and BMC Round 7 Cooperative Forecasts (approved February 2007)

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## At-Place Employment by Jurisdiction: Current

### Washington / Baltimore Air System Planning Region

Jurisdiction	Employment (1000s)				Percent Change (%)			
	2010	2020	2030	2040	2010-20	2020-30	2030-40	2010-40
District of Columbia	783.5	861.8	944.1	1,001.8	10.0	9.5	6.1	27.9
Anne Arundel County, MD	323.1	361.7	391.3	424.1	11.9	8.2	8.4	31.2
Baltimore City, MD	381.8	401.3	427.6	453.0	5.1	6.6	5.9	18.6
Baltimore County, MD	446.3	482.9	500.5	514.3	8.2	3.6	2.8	15.2
Calvert County, MD	35.2	44.5	47.2	49.0	26.4	6.1	3.8	39.2
Carroll County, MD	70.9	76.1	80.9	85.4	7.3	6.3	5.5	20.4
Charles County, MD	62.2	71.7	77.5	83.1	15.3	8.1	7.2	33.6
Frederick County, MD	98.7	106.2	114.6	125.6	7.6	7.8	9.6	27.2
Harford County, MD	104.7	126.0	146.3	167.3	20.3	16.1	14.4	59.8
Howard County, MD	181.4	211.4	241.4	260.3	16.5	14.2	7.8	43.5
Montgomery County, MD	510.3	564.4	635.3	715.1	10.6	12.6	12.6	40.1
Prince George's County, MD	342.6	377.9	427.5	497.7	10.3	13.1	16.4	45.3
St. Mary's County, MD	63.0	71.6	76.6	80.7	13.7	7.0	5.4	28.2
City of Alexandria, VA	102.9	116.8	149.6	167.6	13.5	28.0	12.1	62.9
Arlington County, VA	223.3	276.3	303.0	308.8	23.7	9.7	1.9	38.3
Clarke County, VA	4.2	4.5	4.8	5.0	7.0	5.7	4.8	18.5
Fairfax County, VA	657.5	758.3	866.7	930.7	15.3	14.3	7.4	41.6
Fauquier County, VA	22.4	25.4	28.6	31.9	13.7	12.4	11.7	42.7
City of Fredericksburg, VA	31.5	39.7	47.8	54.8	25.9	20.5	14.7	74.1
King George County, VA	16.2	19.4	22.5	25.7	19.4	16.1	14.5	58.6
Loudoun County, VA	145.1	197.3	248.8	278.2	36.0	26.1	11.8	91.8
Prince William County, VA	143.6	186.2	230.0	278.2	29.7	23.5	21.0	93.7
Spotsylvania County, VA (part)	40.1	46.2	52.1	61.4	15.3	12.7	17.8	53.0
Stafford County, VA	46.7	58.4	70.2	84.2	25.1	20.2	19.9	80.4
Jefferson County, WV	15.9	18.7	21.2	23.6	17.2	13.6	11.0	47.8
<b>Total</b>	<b>4,853.0</b>	<b>5,504.6</b>	<b>6,155.9</b>	<b>6,707.4</b>	<b>13.4</b>	<b>11.8</b>	<b>9.0</b>	<b>38.2</b>

Source: MWCOG Cooperative Forecast Round 8.3 (approved October 2014) and BMC Cooperative Forecast Round 8.0 (approved August 2013)

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## At-Place Employment Projection Findings

- Due to the recession, 2010 employment numbers are lower than had been previously forecasted
- There is a ripple effect out to 2020 and 2030 with lower employment estimates
- Area will still see growth in employment over time
- Percent growth in employment between 2010 and 2030 in 2008 report was 22.6% and is currently expected to be 26.8% regionally

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## Next Steps

- Review other work done
  - MPOs
  - States
  - Airport Authorities
  - Related stakeholders
- Review any available relevant academic papers
- Assess current air cargo facilities at area airports
- Supply Report
- Demand Analysis
- Draft and Final Reports (Spring and June 2015)

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