

Round 8.3 Cooperative Forecasts

Process and Review

Use of Round 8.3 Cooperative Forecasts

**2014 Air Quality
Conformity
Analysis**

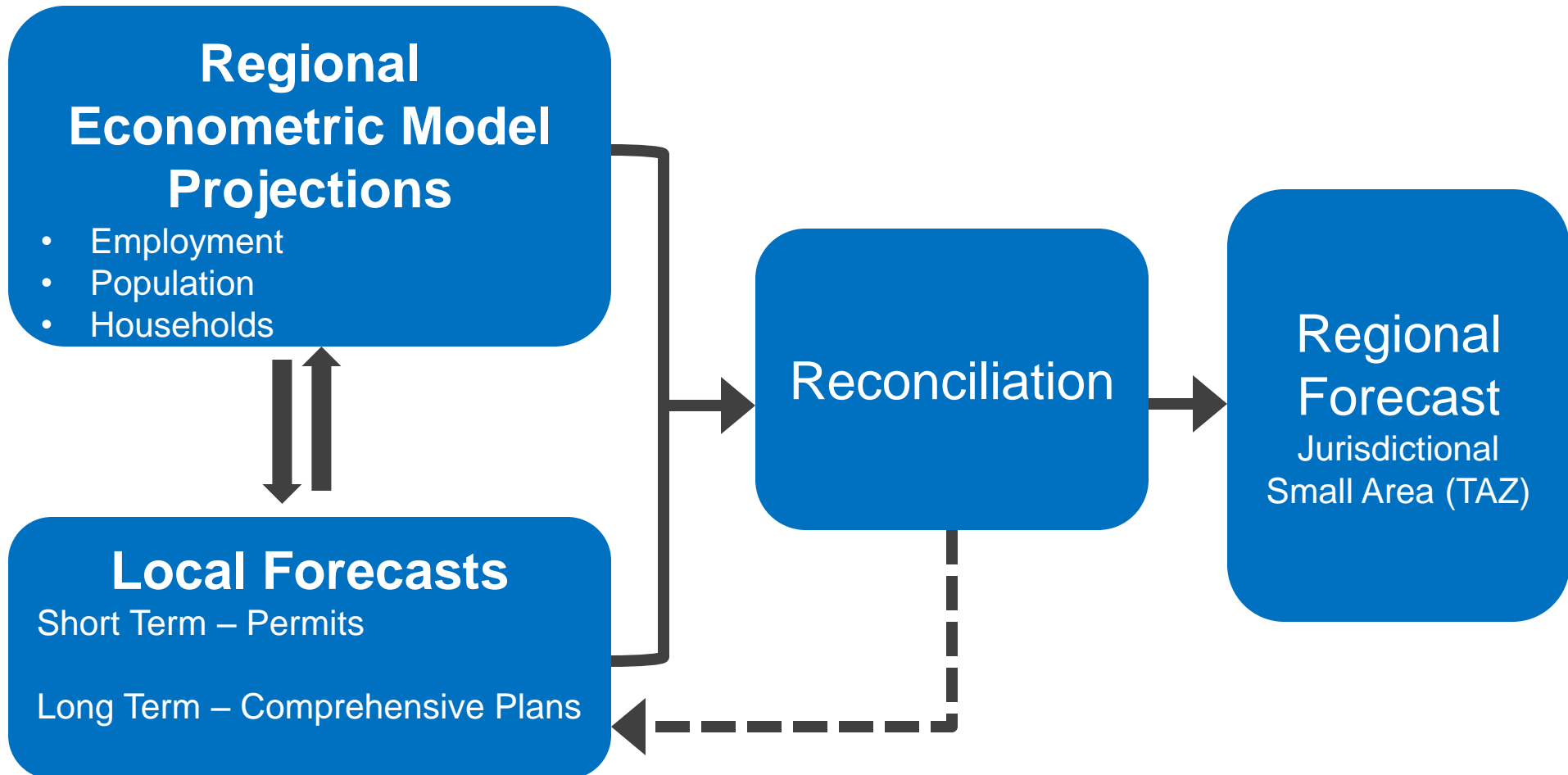
**Transportation
Planning Board
Analysis**

**Activity Center
Update Analysis**

4 Major Refinements Include:

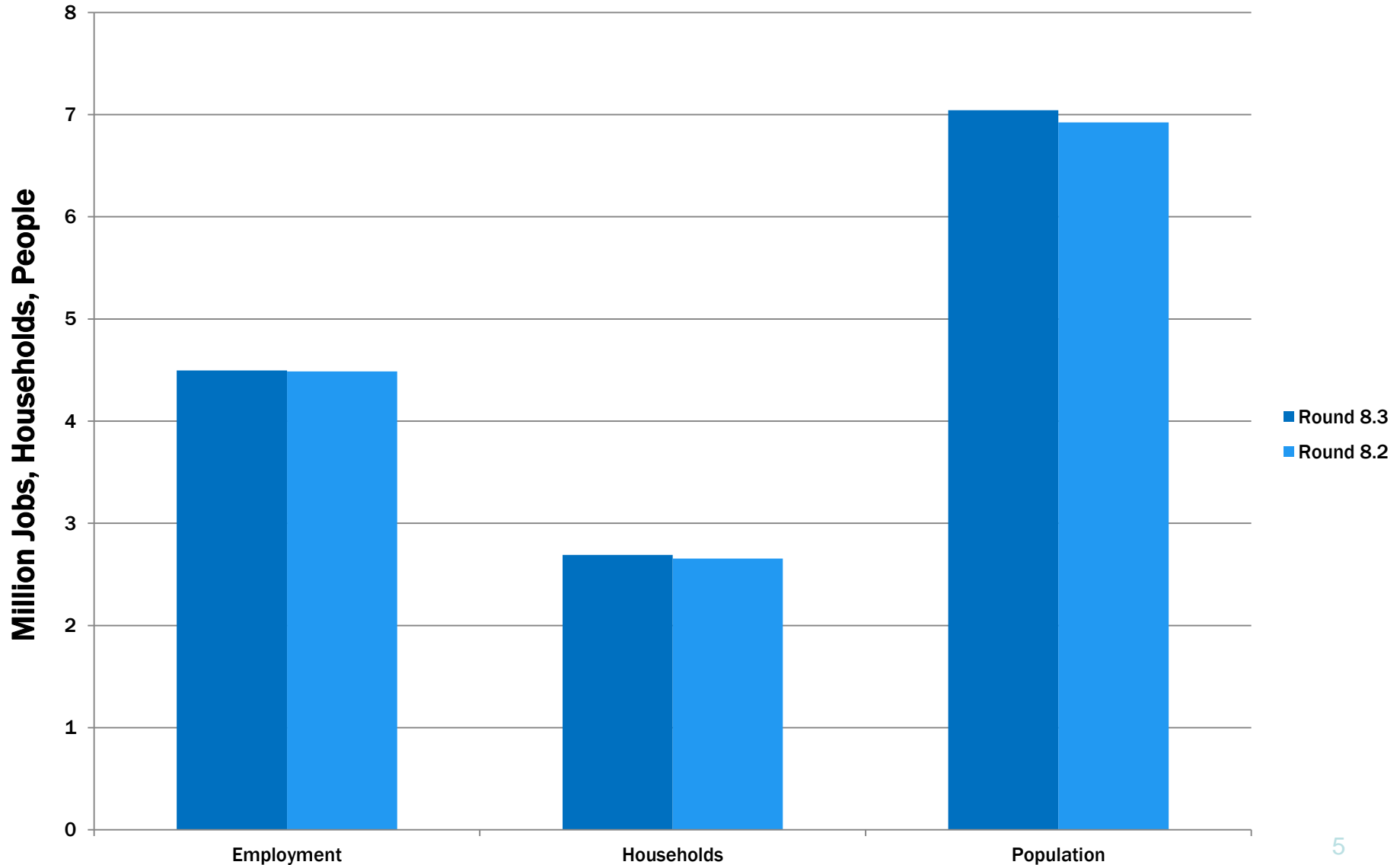
1. The city of Frederick will have Cooperative Forecast totals for the first time
2. The District of Columbia and Loudoun County updated household, population, & employment forecasts
3. Fairfax County updated its employment forecast
4. New data for Anne Arundel, Carroll, and Howard Counties from the Baltimore Metropolitan Council

Cooperative Forecasting Process

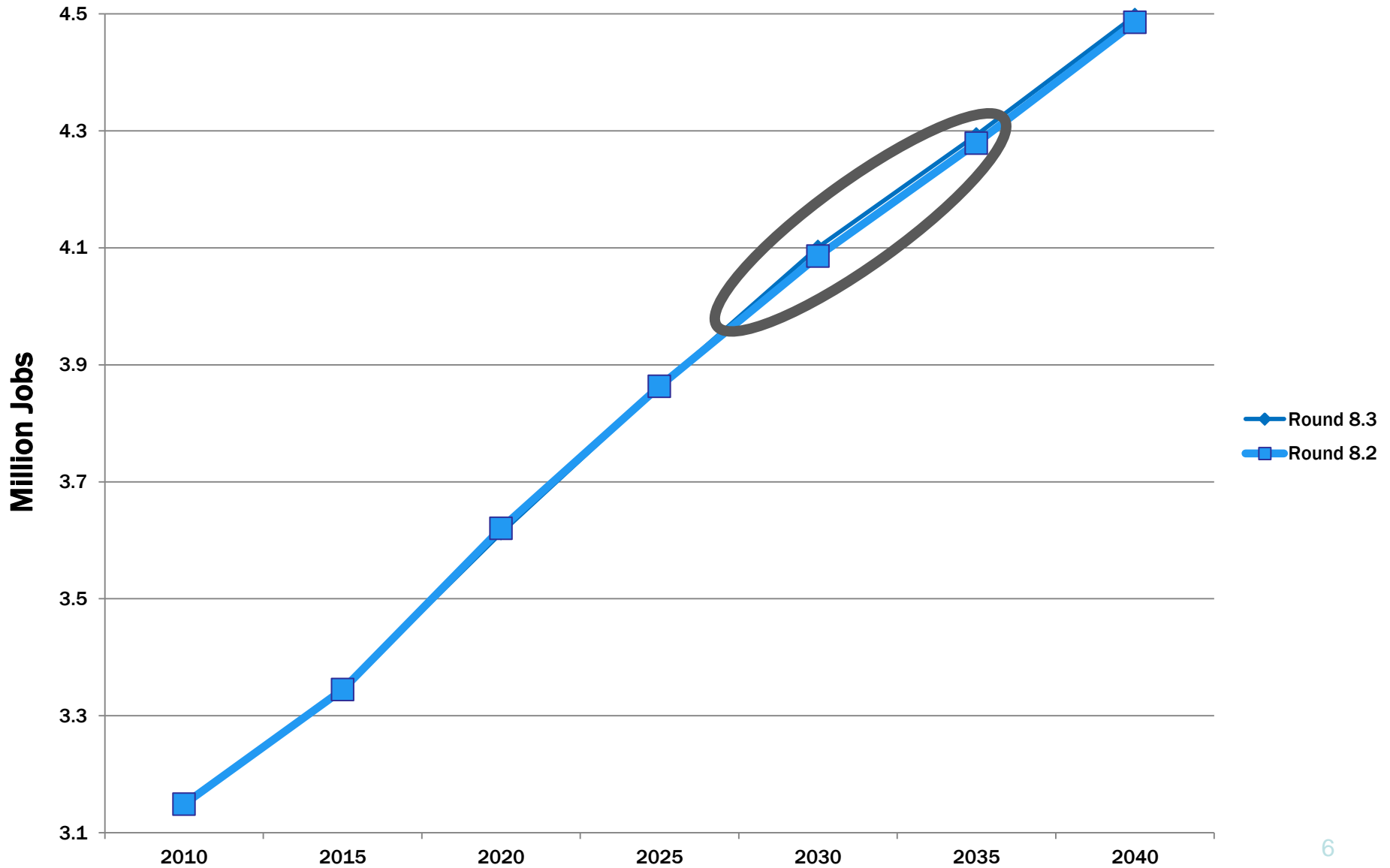


Comparison with Round 8.3 and 8.2

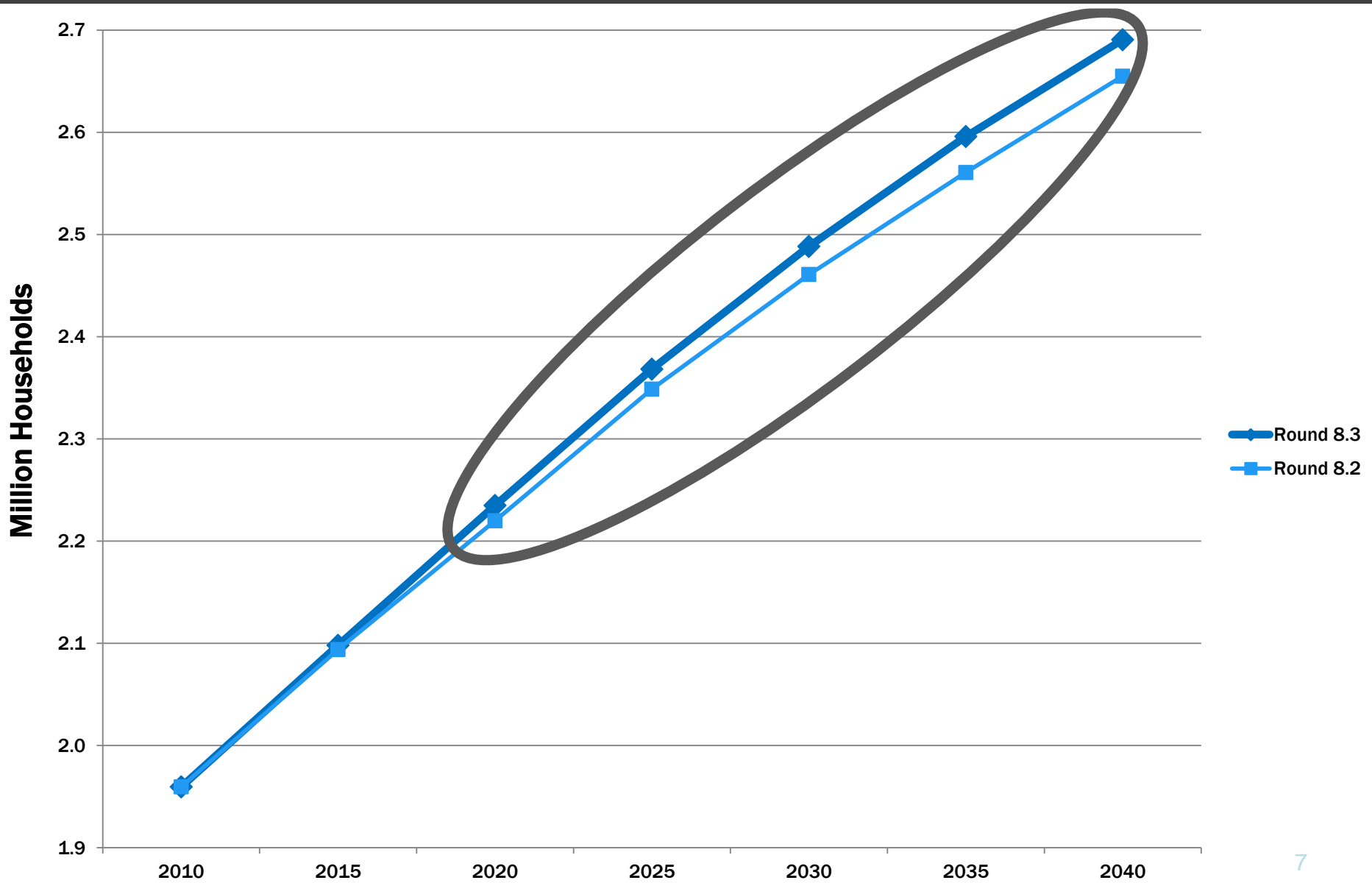
2040 Totals



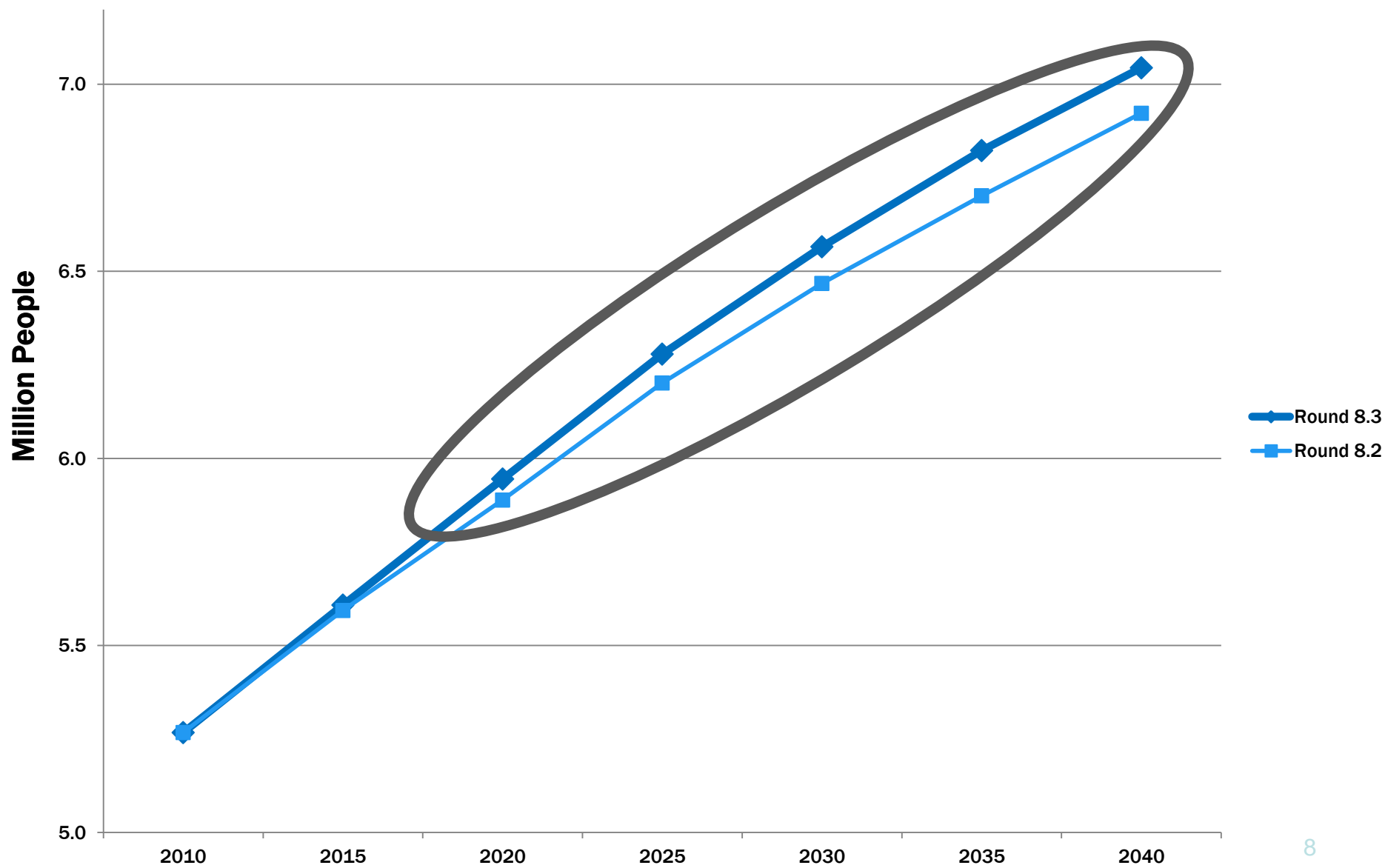
Employment Comparison Round 8.3 vs. Round 8.2



Households Comparison Round 8.3 vs. Round 8.2



Population Comparison Round 8.3 vs. Round 8.2



Next Steps

- 1. Local jurisdictions submit Round 8.3 forecasts by traffic analysis zone – End of February 2014**
- 2. COG Board will approve “Draft Round 8.3” for use in the Air Quality Conformity Analysis of the 2014 Update to the Financially Constrained Long-Range Transportation Plan (CLRP) and the FY 2015-2020 Transportation Improvement Program (TIP) – March 2014**
- 3. Final approval and adoption by the COG Board - July 2014**

Questions . . .

Summary of Intermediate Employment Forecasts
Round 8.3 Cooperative Forecasts
(Thousands)

**Draft COG Board of
Directors 3/12/14**

JURISDICTION	2010	2015	2020	2025	2030	2035	2040	2010 to 2040	
								Number	% Change
District of Columbia	783.5	815.0	861.8	905.8	944.1	973.0	1,001.8	218.4	27.9%
Arlington County	223.3	247.5	276.3	292.1	303.0	306.0	308.8	85.6	38.3%
City of Alexandria	102.9	110.2	116.8	131.2	149.6	157.4	167.6	64.7	62.9%
Central Jurisdictions	1,109.6	1,172.7	1,254.9	1,329.1	1,396.7	1,436.3	1,478.2	368.6	33.2%
Montgomery County	510.3	532.0	564.4	598.8	635.3	674.0	715.1	204.8	40.1%
City of Rockville (1)	73.7	76.3	80.2	85.6	94.0	100.0	105.7	31.9	43.3%
City of Gaithersburg (1)	49.1	52.8	55.3	59.4	64.3	69.3	74.5	25.5	51.9%
Prince George's County	342.6	357.0	377.9	403.1	427.5	457.3	497.7	155.1	45.3%
Fairfax County (2)	625.8	661.0	722.1	775.8	825.5	857.4	886.8	261.0	41.7%
City of Fairfax	20.4	20.8	21.9	22.8	23.7	24.6	25.6	5.2	25.6%
City of Falls Church	11.4	12.0	14.3	16.2	17.6	18.0	18.3	6.9	60.5%
Inner Suburbs	1,510.4	1,582.8	1,700.5	1,816.7	1,929.5	2,031.3	2,143.4	633.0	41.9%
Loudoun County	145.1	163.9	197.3	224.2	248.8	264.2	278.2	133.1	91.8%
Prince William County	115.4	134.8	155.3	174.8	195.9	217.8	240.8	125.4	108.6%
City of Manassas	23.6	24.0	26.2	27.7	29.2	30.7	32.2	8.6	36.5%
City of Manassas Park	4.5	4.6	4.7	4.8	4.9	5.0	5.1	0.6	12.6%
Calvert County (3)	35.2	41.1	44.5	46.3	47.2	48.1	49.0	13.8	39.2%
Charles County (3)	62.2	68.4	71.7	74.7	77.5	80.3	83.1	20.9	33.6%
Frederick County	98.7	102.0	106.2	109.8	114.6	116.3	125.6	26.9	27.2%
City of Frederick (4)	46.9	47.3	49.8	51.4	55.4	56.8	62.2	15.3	32.7%
Stafford County (5)	46.7	52.7	58.4	64.3	70.2	77.2	84.2	37.5	80.4%
Outer Suburbs	531.4	591.5	664.3	726.7	788.3	839.6	898.2	366.8	69.0%
Anne Arundel County (6)	323.1	342.0	361.7	376.1	391.3	405.0	424.1	100.9	31.2%
Carroll County (6)	70.9	73.1	76.1	78.4	80.9	83.0	85.4	14.5	20.4%
Howard County (6)	181.4	196.4	211.4	226.4	241.4	251.7	260.3	78.9	43.5%
Modeled Region - Baltimore Area Jurisdictions	575.4	611.5	649.2	680.9	713.6	739.7	769.7	194.3	33.8%
King George County (5)	16.2	17.8	19.4	20.9	22.5	24.1	25.7	9.5	58.6%
Spotsylvania County (5)	45.4	49.0	52.3	56.3	59.9	65.0	70.2	24.8	54.7%
Modeled Portion Only	40.1	43.2	46.2	49.2	52.1	56.7	61.4	21.3	53.0%
City of Fredericksburg (5)	31.5	35.6	39.7	43.7	47.8	51.3	54.8	23.3	74.1%
Modeled Region - Fredericksburg Area Jurisdictions	87.8	96.6	105.3	113.8	122.4	132.2	141.9	54.1	61.6%
St. Mary's County (3)	63.0	68.2	71.6	74.6	76.6	78.6	80.7	17.7	28.2%
Clarke County	4.2	4.4	4.5	4.7	4.8	4.9	5.0	0.8	18.5%
Fauquier County	22.4	23.9	25.4	27.0	28.6	30.2	31.9	9.5	42.7%
Jefferson County	15.9	17.2	18.7	20.0	21.2	22.4	23.6	7.6	47.8%
Modeled Region - Other Jurisdictions	105.5	113.7	120.2	126.3	131.2	136.2	141.2	35.7	33.8%
Virginia Jurisdictions	1,319.0	1,431.5	1,593.2	1,733.9	1,868.4	1,958.3	2,047.6	728.6	55.2%
Maryland Jurisdictions	1,049.0	1,100.5	1,164.7	1,232.8	1,302.0	1,376.0	1,470.4	421.5	40.2%
COG / TPB PLANNING AREA	3,069.6	3,253.1	3,516.8	3,761.9	3,997.1	4,181.9	4,386.7	1,317.1	42.9%
MSA (1983) REGIONAL TOTAL	3,151.4	3,346.9	3,619.7	3,872.5	4,114.5	4,307.2	4,519.9	1,368.4	43.4%
TPB Model Region Total	3,920.2	4,168.7	4,494.4	4,793.5	5,081.6	5,315.3	5,572.7	1,652.5	42.2%

(1) Included in Montgomery County total.

(2) Forecasts for all years include Fairfax County Government employees working at the Fairfax County Public Safety Center.

(3) Projections from 2010 to 2030 prepared by the Maryland Department of Planning, February 2009.

(4) Included in Frederick County total.

(5) Source: George Washington Regional Commission / Fredericksburg Area MPO February 2013 TAZ Refinements of the January 2012

GWRC/FAMPO Long-Range Transportation Plan Update Control Estimates and Forecasts.

(6) Source: Baltimore Metropolitan Council, Round 8.

Summary of Intermediate Population Forecasts
Round 8.3 Cooperative Forecasts
(Thousands)

**Draft COG Board of
Directors 3/12/14**

JURISDICTION	2010	2015	2020	2025	2030	2035	2040	2010 to 2040	
								Number	% Change
District of Columbia	601.8	660.5	715.5	764.3	808.7	852.4	883.6	281.8	46.8%
Arlington County	207.6	222.9	236.1	248.7	258.8	266.4	276.1	68.4	33.0%
City of Alexandria	140.0	148.5	158.1	167.1	174.0	184.7	194.9	54.9	39.2%
Central Jurisdictions	949.3	1,031.9	1,109.7	1,180.0	1,241.5	1,303.6	1,354.5	405.2	42.7%
Montgomery County	972.6	1,020.0	1,067.0	1,110.0	1,153.9	1,184.6	1,202.8	230.2	23.7%
City of Rockville (1)	61.2	64.0	68.4	71.9	75.6	79.3	82.7	21.5	35.1%
City of Gaithersburg (1)	59.9	66.7	70.2	73.4	77.4	81.2	85.0	25.0	41.8%
Prince George's County	863.4	881.4	899.7	926.7	950.0	972.9	995.3	131.9	15.3%
Fairfax County (2)	1,081.7	1,116.4	1,153.5	1,212.5	1,265.7	1,317.6	1,369.0	287.3	26.6%
City of Fairfax	22.7	24.7	26.0	26.4	26.9	27.4	27.9	5.1	22.5%
City of Falls Church	12.3	13.1	14.2	15.5	16.4	17.0	17.3	5.0	40.3%
Inner Suburbs	2,952.8	3,055.6	3,160.3	3,291.1	3,412.9	3,519.5	3,612.2	659.4	22.3%
Loudoun County	312.3	368.0	418.0	452.2	468.7	478.6	484.5	172.2	55.1%
Prince William County	402.0	452.4	494.5	530.7	562.0	588.4	610.3	208.3	51.8%
City of Manassas	37.8	39.1	41.6	43.1	44.6	46.1	47.5	9.7	25.7%
City of Manassas Park	14.3	14.3	15.9	15.9	15.9	15.9	15.9	1.6	11.1%
Calvert County (3)	91.7	96.5	100.5	103.3	105.1	107.0	108.9	17.1	18.7%
Charles County (3)	144.6	160.1	176.0	191.5	202.6	213.7	224.9	80.3	55.5%
Frederick County	233.4	241.6	258.8	278.7	297.7	314.3	330.0	96.6	41.4%
City of Frederick (4)	65.2	69.2	74.3	79.0	83.1	86.5	89.1	23.9	36.6%
Stafford County (5)	129.0	149.4	169.8	191.2	212.7	232.3	251.9	122.9	95.3%
Outer Suburbs	1,365.1	1,521.3	1,675.0	1,806.5	1,909.1	1,996.1	2,073.8	708.7	51.9%
Anne Arundel County (6)	537.7	552.5	567.7	576.7	585.4	592.7	598.5	60.9	11.3%
Carroll County (6)	167.1	170.5	175.9	179.4	183.3	186.2	189.6	22.4	13.4%
Howard County (6)	287.1	302.2	321.4	335.0	343.3	348.2	350.1	63.0	22.0%
Modeled Region - Baltimore Area Jurisdictions	991.9	1,025.2	1,065.0	1,091.2	1,112.0	1,127.2	1,138.2	146.4	14.8%
King George County (5)	23.6	26.9	30.2	34.0	37.8	41.3	44.7	21.1	89.6%
Spotsylvania County (5)	122.6	142.0	161.5	182.1	202.7	221.7	240.6	118.0	96.3%
Modeled Portion Only	96.0	107.7	119.4	129.4	139.4	147.4	155.4	59.5	62.0%
City of Fredericksburg (5)	24.3	25.7	27.2	28.9	30.6	32.1	33.6	9.3	38.4%
Modeled Region - Fredericksburg Area Jurisdictions	143.8	160.3	176.7	192.3	207.8	220.8	233.8	89.9	62.5%
St. Mary's County (3)	104.9	118.2	130.1	141.1	151.4	162.6	173.8	69.0	65.8%
Clarke County	14.0	14.5	15.0	15.4	15.9	16.3	16.6	2.6	18.5%
Fauquier County	65.2	69.7	74.1	78.7	83.3	88.2	93.0	27.8	42.7%
Jefferson County	53.5	57.9	62.7	67.1	71.2	75.3	79.1	25.6	47.8%
Modeled Region - Other Jurisdictions	237.6	260.3	281.9	302.4	321.8	342.3	362.6	125.0	52.6%
Virginia Jurisdictions	2,359.7	2,548.7	2,727.5	2,903.3	3,045.4	3,174.3	3,295.2	935.5	39.6%
Maryland Jurisdictions	2,305.7	2,399.6	2,502.0	2,610.1	2,709.3	2,792.5	2,861.8	556.0	24.1%
COG / TPB PLANNING AREA	5,046.6	5,362.9	5,674.8	5,983.1	6,245.7	6,479.9	6,679.8	1,633.3	32.4%
MSA (1983) REGIONAL TOTAL	5,267.3	5,608.8	5,945.0	6,277.6	6,563.5	6,819.2	7,040.5	1,773.3	33.7%
TPB Model Region Total	6,640.6	7,054.6	7,468.7	7,863.5	8,205.1	8,509.5	8,775.1	2,134.5	32.1%

(1) Included in Montgomery County total.

(2) COG staff produced the 2010 base year to be consistent with the Fairfax County's model for the 2011 - 2041 forecasting period.

(3) Projections from 2010 to 2030 prepared by the Maryland Department of Planning, Historical and Projected Total Population, December 2008.

(4) Included in Frederick County total.

(5) Source: George Washington Regional Commission / Fredericksburg Area MPO February 2013 TAZ Refinements of the January 2012

GWRC/FAMPO Long-Range Transportation Plan Update Control Estimates and Forecasts.

(6) Source: Baltimore Metropolitan Council, Round 8.

Summary of Intermediate Household Forecasts
Round 8.3 Cooperative Forecasts
(Thousands)

**Draft COG Board of
Directors 3/12/14**

JURISDICTION	2010	2015	2020	2025	2030	2035	2040	2010 to 2040	
								Number	% Change
District of Columbia	266.7	287.1	305.5	323.1	340.2	357.1	370.9	104.2	39.1%
Arlington County	98.1	105.7	112.2	117.3	121.4	124.4	128.6	30.6	31.2%
City of Alexandria	68.1	72.3	77.0	81.4	84.7	89.9	94.9	26.8	39.3%
Central Jurisdictions	432.9	465.1	494.7	521.8	546.3	571.5	594.4	161.5	37.3%
Montgomery County	361.0	377.5	397.0	414.9	434.8	449.9	460.2	99.1	27.5%
City of Rockville (1)	25.2	26.5	28.6	30.3	32.0	33.7	35.4	10.2	40.3%
City of Gaithersburg (1)	22.0	24.5	25.7	27.1	28.8	30.6	32.3	10.3	47.0%
Prince George's County	304.0	323.4	336.4	348.6	359.9	370.1	379.3	75.3	24.8%
Fairfax County (2)	386.1	397.5	413.7	438.8	461.4	483.4	505.3	119.2	30.9%
City of Fairfax	8.4	9.2	9.7	9.9	10.0	10.2	10.3	1.9	23.0%
City of Falls Church	5.1	5.5	6.2	6.9	7.4	7.7	7.9	2.8	54.9%
Inner Suburbs	1,064.7	1,113.1	1,163.0	1,219.1	1,273.5	1,321.4	1,363.0	298.3	28.0%
Loudoun County	104.6	122.6	139.5	151.6	158.1	162.2	164.3	59.7	57.1%
Prince William County	130.8	148.5	164.0	177.9	189.7	199.7	207.8	77.0	58.9%
City of Manassas	12.5	13.1	14.3	15.0	15.7	16.4	17.1	4.6	36.5%
City of Manassas Park	4.5	4.5	5.0	5.0	5.0	5.0	5.0	0.5	11.7%
Calvert County (3)	32.0	34.3	36.0	37.4	38.3	39.3	40.3	8.3	25.8%
Charles County (3)	51.0	57.5	64.3	70.8	75.8	80.9	85.9	35.0	68.6%
Frederick County	84.8	89.9	96.5	103.9	111.1	117.4	123.2	38.4	45.3%
City of Frederick (4)	25.4	27.0	29.0	30.9	32.5	33.9	34.9	9.6	37.8%
Stafford County (5)	41.8	49.7	57.5	65.5	73.4	80.5	87.7	45.9	109.9%
Outer Suburbs	462.0	520.2	577.2	627.1	667.3	701.4	731.4	269.4	58.3%
Anne Arundel County (6)	199.4	206.4	213.5	220.6	227.6	234.7	241.6	42.2	21.2%
Carroll County (6)	62.4	64.1	66.2	68.0	69.7	71.3	72.9	10.4	16.7%
Howard County (6)	104.7	116.5	126.8	133.8	137.6	140.0	140.7	35.9	34.3%
Modeled Region - Baltimore Area Jurisdictions	366.5	387.0	406.5	422.4	435.0	446.0	455.2	88.6	24.2%
King George County (5)	8.4	9.8	11.2	12.8	14.4	15.8	17.1	8.8	104.7%
Spotsylvania County (5)	41.9	49.5	57.1	65.0	72.9	79.5	86.1	44.2	105.3%
Modeled Portion Only	32.8	37.5	42.2	46.1	50.1	52.8	55.6	22.7	69.3%
City of Fredericksburg (5)	9.5	10.2	11.0	11.8	12.5	13.1	13.7	4.2	44.5%
Modeled Region - Fredericksburg Area Jurisdictions	50.7	57.6	64.4	70.7	77.0	81.7	86.4	35.7	70.5%
St. Mary's County (3)	38.9	44.4	49.4	54.0	58.1	62.3	66.5	27.6	71.1%
Clarke County	5.5	5.8	6.0	6.2	6.3	6.5	6.6	1.1	20.4%
Fauquier County	23.7	25.3	27.0	28.6	30.3	32.0	33.8	10.1	42.9%
Jefferson County	19.9	23.6	26.1	28.6	31.0	33.4	35.7	15.8	79.3%
Modeled Region - Other Jurisdictions	88.0	99.2	108.4	117.4	125.8	134.2	142.7	54.7	62.2%
Virginia Jurisdictions	860.0	928.6	999.2	1,069.2	1,126.9	1,179.6	1,228.9	369.0	42.9%
Maryland Jurisdictions	832.9	882.6	930.2	975.6	1,020.0	1,057.6	1,088.9	256.1	30.7%
COG / TPB PLANNING AREA	1,885.7	2,014.4	2,141.4	2,265.1	2,375.4	2,474.5	2,560.8	675.1	35.8%
MSA (1983) REGIONAL TOTAL	1,959.5	2,098.3	2,234.9	2,368.0	2,487.1	2,594.3	2,688.8	729.2	37.2%
TPB Model Region Total	2,464.7	2,642.1	2,814.2	2,978.4	3,124.8	3,256.3	3,373.1	908.3	36.9%

(1) Included in Montgomery County total.

(2) COG staff produced the 2010 base year to be consistent with the Fairfax County's model for the 2011 - 2041 forecasting period.

(3) Projections from 2010 to 2030 prepared by the Maryland Department of Planning, Historical and Projected Households for Maryland's Jurisdictions, February 2009.

(4) Included in Frederick County total.

(5) Source: George Washington Regional Commission / Fredericksburg Area MPO February 2013 TAZ Refinements of the January 2012

GWRC/FAMPO Long-Range Transportation Plan Update Control Estimates and Forecasts.

(6) Source: Baltimore Metropolitan Council, Round 8.