

# Draft Round 7.2 Cooperative Forecasts

Metropolitan Development  
Policy Committee

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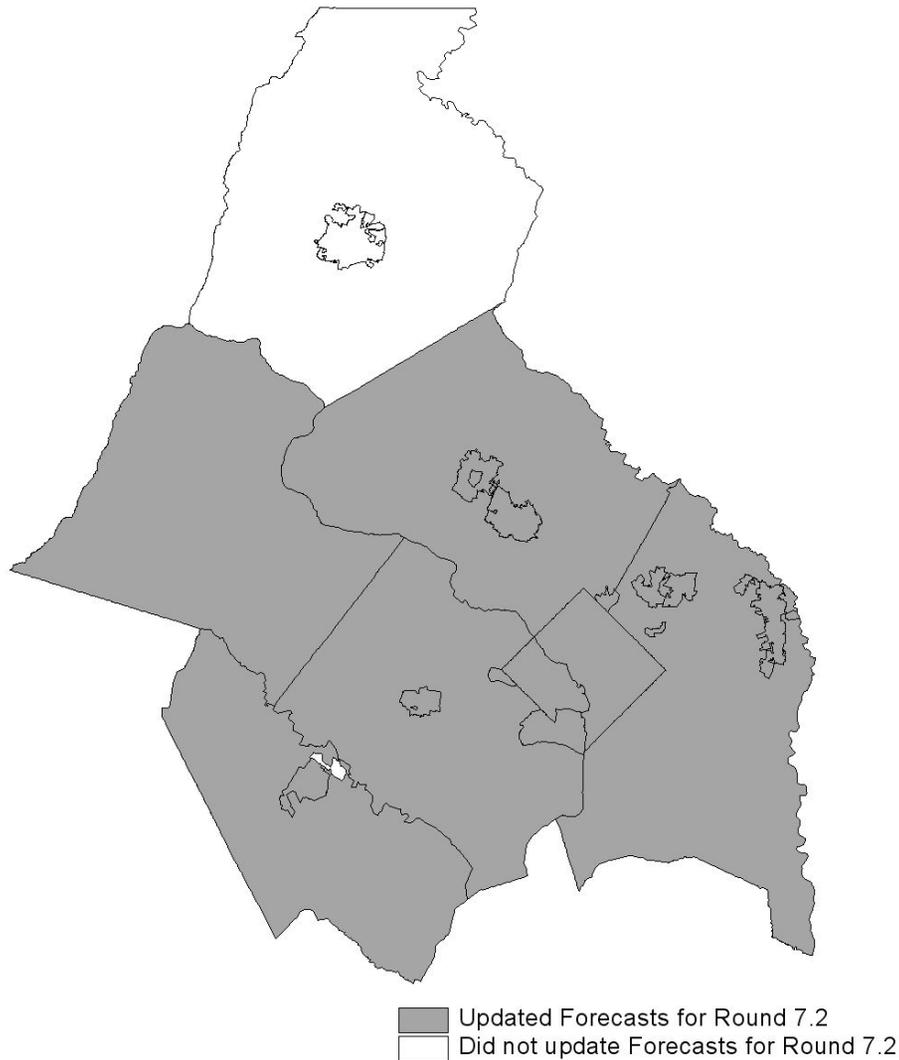
## Draft Round 7.2 Cooperative Forecasts

### Background . . .

- The Round 7.1 Cooperative Forecast was developed in early spring of 2007 and was adopted by the COG Board of Directors in January 2008. Round 7.1 was the land use assumption for the 2008 Financially Constrained Long-Range Transportation Plan (CLRP) and FY 2009-2014 Transportation Improvement Program (TIP).
- The 2009 CLRP and FY 2010-2015 TIP and the corresponding Air Quality Conformity Analysis allows for new land use assumptions (Round 7.2) to be interrogated into this process.
- It has been suggested to develop longer horizon forecast numbers for use in transportation and land use planning activities at the Council of Governments (COG) and the Transportation Planning Board (TPB).

## Draft Round 7.2 Cooperative Forecasts

- The Northern Virginia Regional Commission (NVRC) requested help from COG in developing population projections up to 2040 for the Northern Virginia jurisdictions. The NVRC will incorporate some of the population assumptions of Round 7.2 into a regional drought plan (9 VAC 25-780. Local and Regional Water Supply Planning) for Northern Virginia.
- The Interstate Commission on the Potomac River Basin is also seeking longer range forecast data to incorporate into their water supply reliability forecast for the metropolitan Washington region.



## What COG jurisdictions participated in Round 7.2?

- For the jurisdictions that chose not to participate in Round 7.2 - COG staff determined the rate of growth between 2025 and 2030 and assumed the same rate of growth for the 2035 and 2040 time periods.

### Other updates include:

- Revised socioeconomic data for GWRC/FAMPO jurisdictions
- BMC Round 7-A
- Revisions to Charles and St. Mary's Counties

# Regional Trends

## *Employment*

- Approximately 1.5 million new jobs would be added by 2040 or an increase by 48 percent.
- Nearly 47 percent of the job growth would occur in the Inner Suburbs: 24 percent of the growth would occur in the Central Jurisdictions, and 30 percent of the job growth would occur in the Outer Jurisdictions.
- Among all jurisdictions, Fairfax County anticipates the greatest absolute increase (269,300) in new jobs between 2005 and 2040, followed by Montgomery County (220,000) and the District of Columbia (209,000).
- Loudoun County would continue to see the greatest percentage increase (134 percent) in new jobs between 2005 and 2040.

# Regional Trends

## *Population*

- The region's population would increase by 1.9 million people or 38 percent between 2005 and 2040.
- More than 48 percent of the growth would be seen in the Outer Suburbs, the Inner Suburbs would account for 36 percent of the growth, and the Central Jurisdictions would contribute 16 percent of the total.
- Among all jurisdictions, Fairfax County anticipates the greatest absolute increase (278,700) in population, followed by Montgomery County (244,900) and Prince William County (226,200).
- Stafford County would experience the greatest percentage change (136 percent) in population between 2005 and 2040, followed by Loudoun County (85 percent).

# Regional Trends

## *Households*

- More than 807,800 households would be added to the regional total by 2040 or an increase of more than 34 percent.
- More than 37 percent of the growth is foreseen in the Inner Suburbs; the Outer Suburbs would contribute about 43 percent; and the Central Jurisdictions would account for approximately 20 percent of the region's household growth.
- Among all jurisdictions, Montgomery County would experience the greatest absolute change (113,000) in households, followed by Fairfax County (110,200) and the District of Columbia (106,600).
- The fastest rate of household growth is anticipated in Stafford County (183 percent) followed by Loudoun County (88 percent) and Frederick County (86 percent).

## Analysis of Draft Round 7.2 Cooperative Forecasts Preliminary Findings

### Comparisons to Round 7.0 Econometric Model

- Because the Round 7.2 forecast horizon was extended to 2040, the original Round 7.0 Econometric Model was extrapolated to generate 2035 and 2040 control totals based on the 1983 Washington DC-MD-VA Metropolitan Statistical Area.

Final (October 2004) ROUND 7.0 ECONOMETRIC MODEL RESULTS (*thousands*)

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>	<u>2035</u>	<u>2040</u>
TOTAL JOBS	2,847.2	3,061.9	3,352.3	3,572.8	3,779.5	3,939.8	4,104.9	4,274.7	4,449.2
TOTAL POPULATION	4,544.3	4,894.4	5,328.9	5,646.3	5,928.7	6,173.3	6,412.5	6,644.9	6,869.2
TOTAL HOUSEHOLDS	1,708.2	1,839.8	2,008.6	2,128.2	2,243.2	2,335.8	2,426.3	2,514.2	2,599.1

- For reconciliation purposes, the sum of the local government employment, population, and household forecast for each year must be within three percent of the regional econometric model projections for that year. Generally, the Round 7.2 Cooperative Forecast is within three percent of the model projections.

**Absolute and Percentage Difference between Draft Round 7.2 and the Round 7.0 Econometric Model (Draft Round 7.2 minus Model Results)**

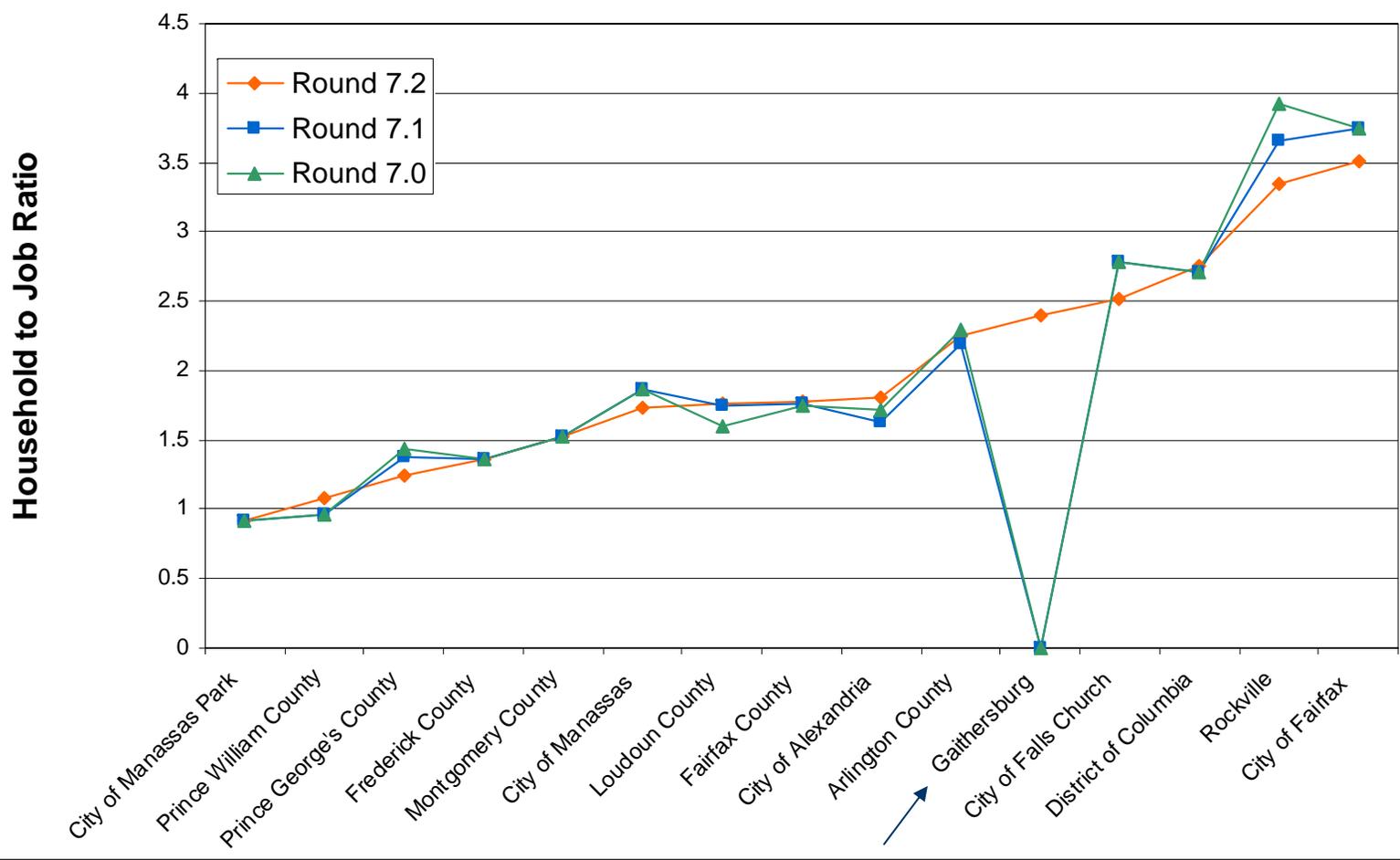
	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>	<u>2035</u>	<u>2040</u>
	(Thousands)							
TOTAL JOBS	-10.2	-74.8	-51.0	5.0	65.9	95.3	79.5	71.4
→	-0.3%	-2.2%	-1.4%	0.1%	1.7%	2.3%	1.9%	1.6%
TOTAL POPULATION	68.0	-64.2	-54.8	-5.5	34.4	19.2	-13.8	-30.9
→	1.4%	-1.2%	-1.0%	-0.1%	0.6%	0.3%	-0.2%	-0.4%
TOTAL HOUSEHOLDS	24.0	-8.7	18.1	45.2	71.3	81.3	77.9	74.9
→	1.3%	-0.4%	0.8%	2.0%	3.1%	3.4%	3.1%	2.9%

### Jobs/Households Ratio

- The projected Jobs/Households Ratio for the MSA Region (1983) will increase from 1.64 to 1.69 between 2005 and 2040.

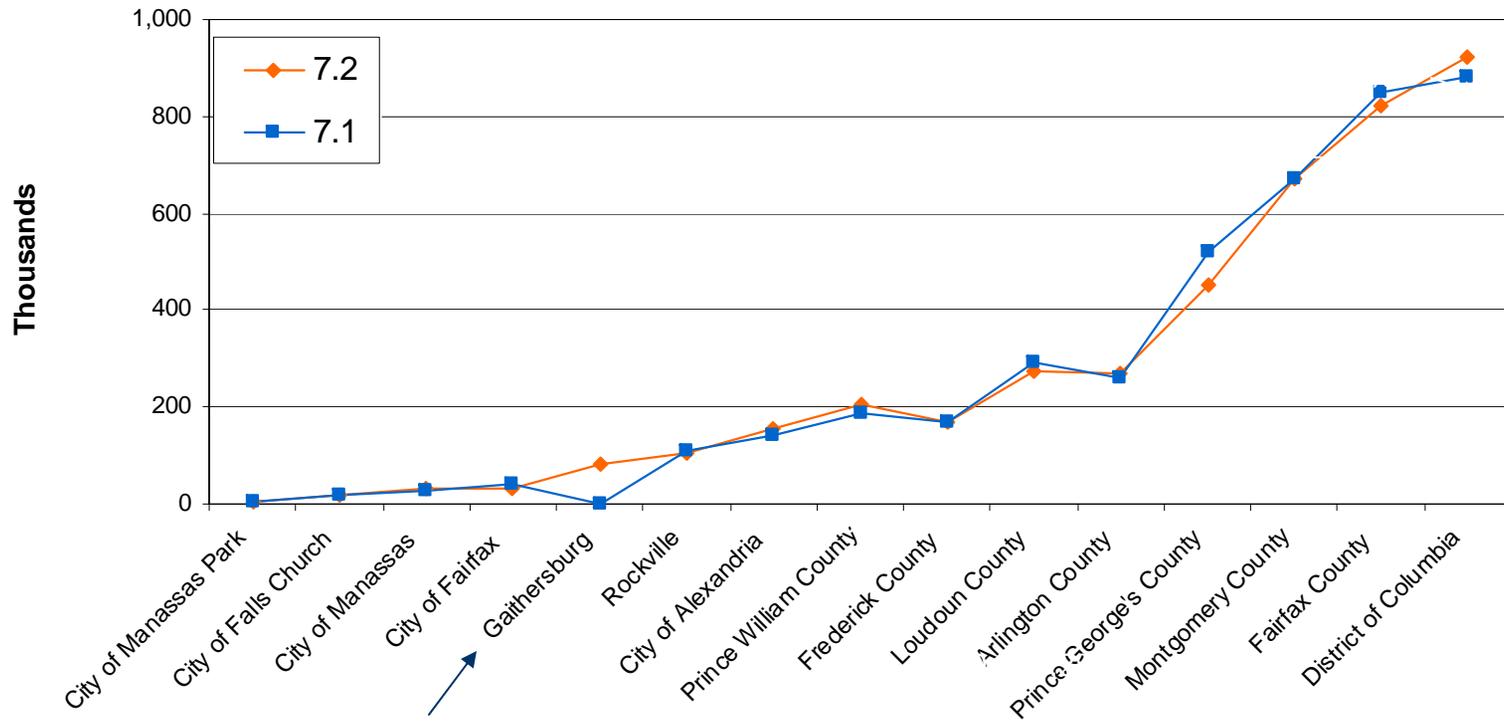
								
<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	
1.64	1.64	1.64	1.65	1.66	1.67	1.68	1.69	

### Summary of Change between Projected Jobs/Household Ratios Draft Round 7.2, Round 7.1 & 7.0 Coop. Forecasts for Year 2030



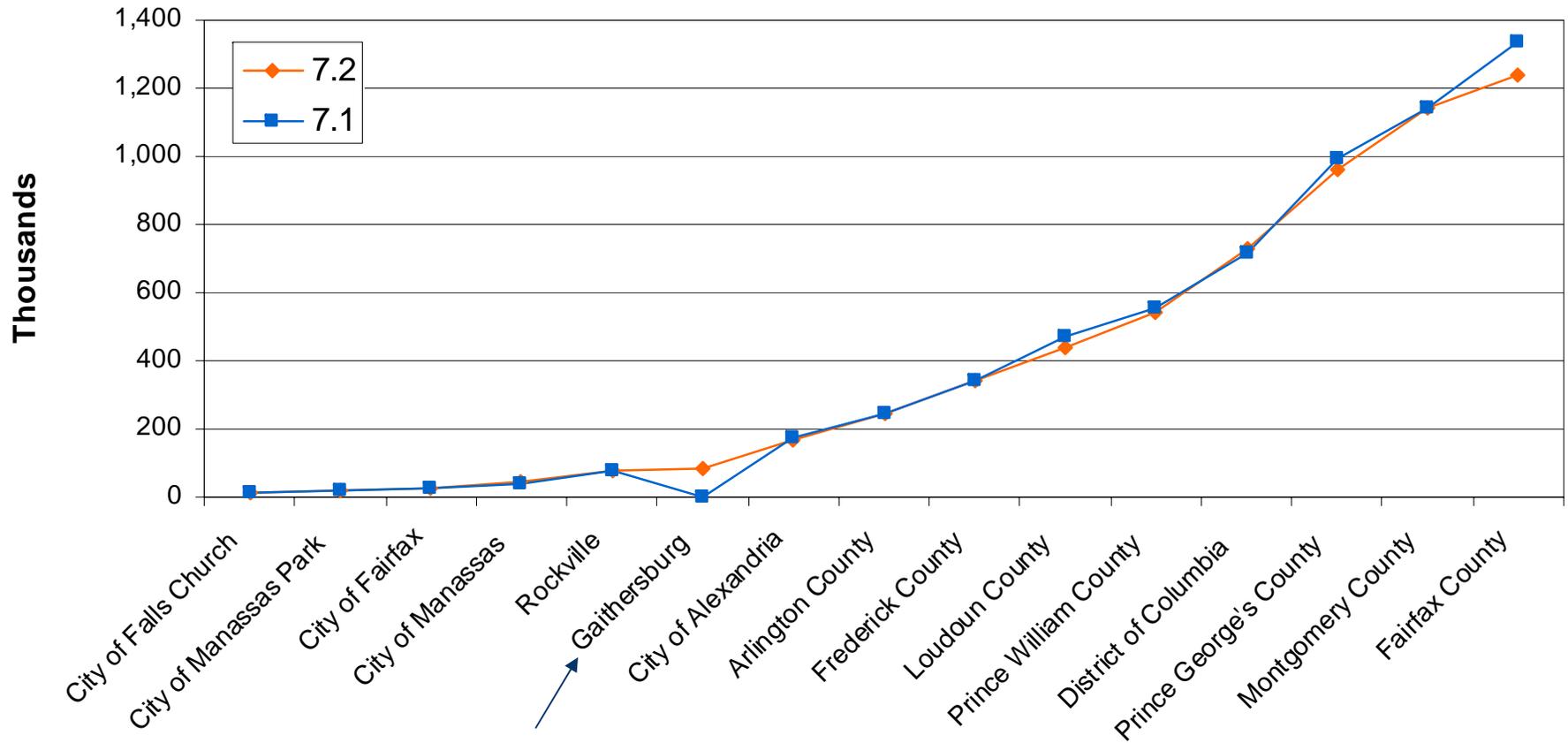
For comparison purposes, Round 7.1 and Round 7.0 were not available

## Summary of Change between Employment Forecasts Draft Round 7.2 & Round 7.1 Coop. Forecasts for Year 2030



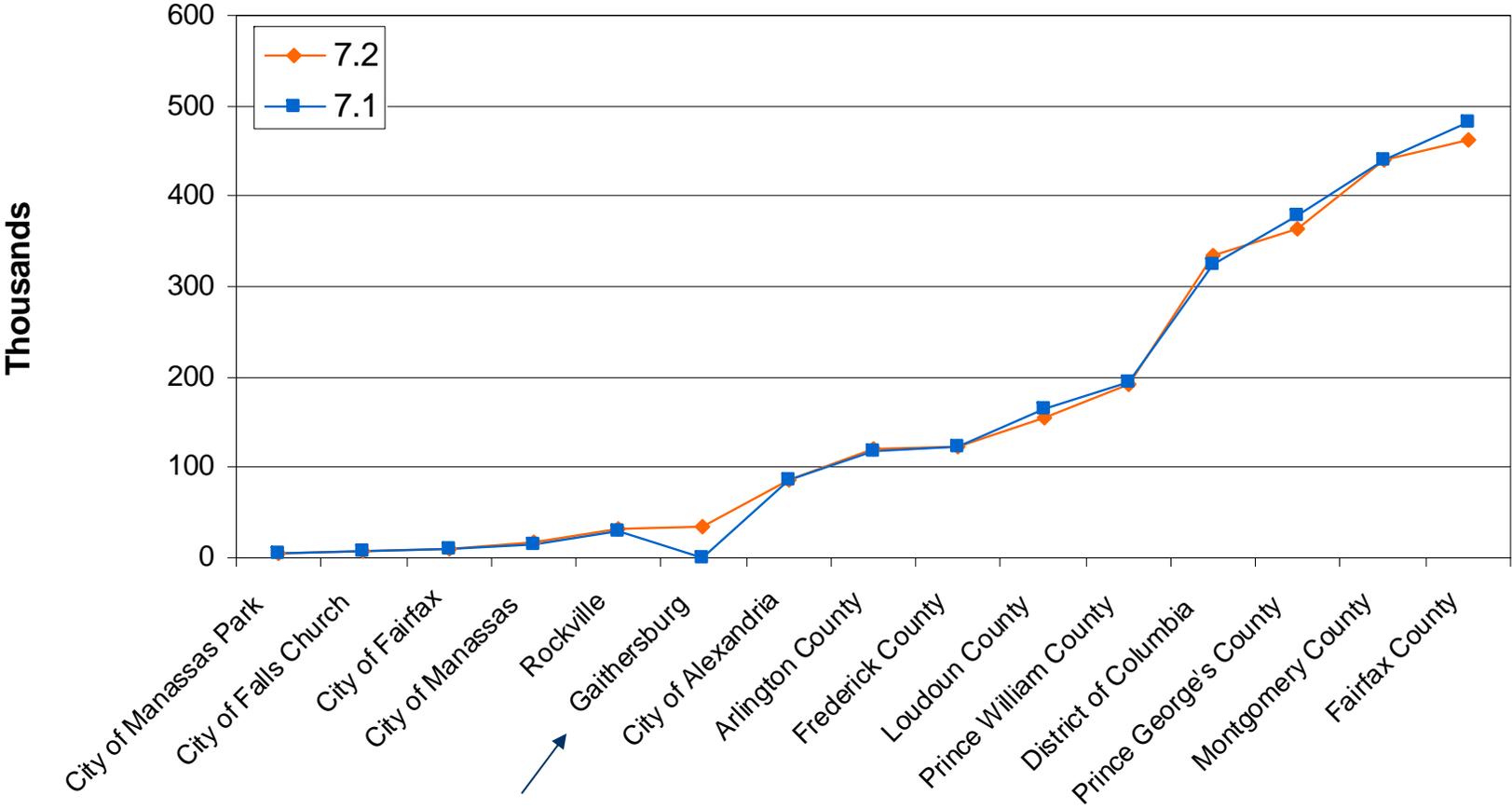
For comparison purposes, Round 7.1  
was not available

## Summary of Change between Population Forecasts Draft Round 7.2 & Round 7.1 Coop. Forecasts for Year 2030



For comparison purposes, Round 7.1  
was not available

### Summary of Change between Household Forecasts Draft Round 7.2 & Round 7.1 Coop. Forecasts for Year 2030



For comparison purposes, Round 7.1 was not available

## Round 7.2 Schedule

- August/September – COG staff receive jurisdictional control totals from participating jurisdictions
- October 7, 2008 - Cooperative Forecasting and Data Subcommittee approve Round 7.2 Cooperative Forecast control totals and refer to Planning Directors Technical Advisory Committee
- October 17, 2008 – Planning Directors Technical Advisory Committee will review the forecast and take formal action.
- November 12, 2008 – Metropolitan Development Policy Committee will review the forecast and take formal action.
- December 12, 2008 – COG staff will receive TAZ level data based on control totals.
- July 2009 – the COG Board of Directors will review the forecast and take formal action concurrently with TPB approval of Air Quality Conformity Assessment for the 2009 CLRP and FY 2010-2015 TIP in July 2009