

# Round 9.0 Cooperative Forecasts of Future Growth

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Planning Directors Technical Advisory Committee

February 19, 2016

Greg Goodwin  
Community Planning and Services  
Metropolitan Washington Council of Governments

# Cooperative Forecasting Process

## Regional Econometric Model Projections

- Employment
- Population
- Households



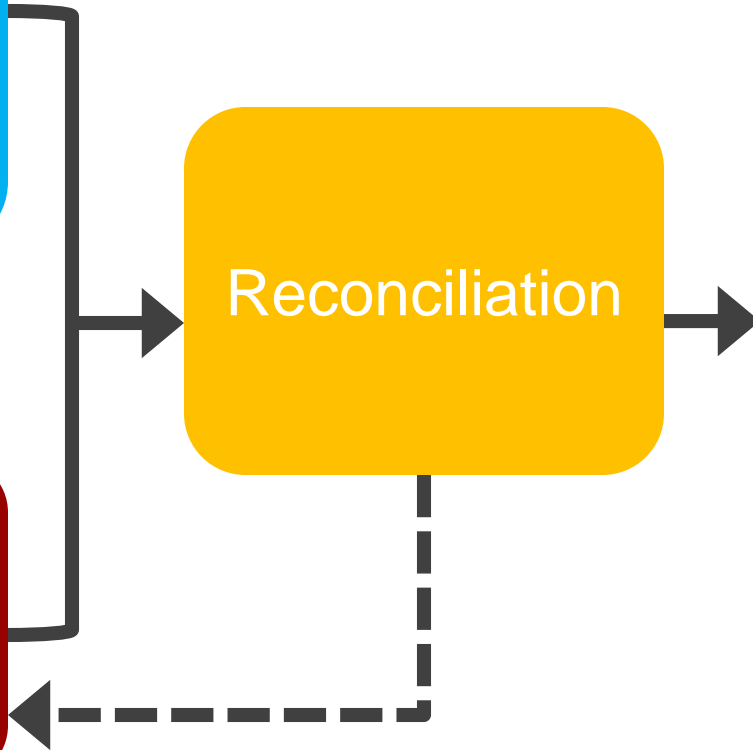
## Local Forecasts

Short Term – Permits

Long Term – Comprehensive Plans

## Reconciliation

Regional  
Forecast  
Jurisdictional  
Small Area (TAZ)



# Round 9.0 Econometric Model Results

## (June 2015) ROUND 9.0 ECONOMETRIC MODEL RESULTS (*thousands*) - COG / TPB Planning Area

	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>	<u>2035</u>	<u>2040</u>	<u>2045</u>
TOTAL JOBS	3,146.2	3,390.8	3,542.9	3,689.8	3,846.8	4,018.4	4,166.0
TOTAL POPULATION	5,486.5	5,793.6	6,043.6	6,274.3	6,488.7	6,686.6	6,888.4
TOTAL HOUSEHOLDS	2,009.4	2,146.2	2,276.2	2,400.2	2,519.6	2,642.7	2,775.4

## DRAFT ROUND 9.0 INTERMEDIATE SCENARIO (*thousands*) - COG / TPB Planning Area

	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>	<u>2035</u>	<u>2040</u>	<u>2045</u>
TOTAL JOBS	3,149.9	3,345.9	3,565.8	3,770.9	3,953.4	4,130.4	4,285.7
TOTAL POPULATION	5,388.7	5,692.1	5,977.2	6,234.7	6,477.2	6,698.7	6,905.1
TOTAL HOUSEHOLDS	2,008.3	2,135.1	2,258.3	2,373.5	2,473.8	2,562.9	2,646.0

## COG / TPB Planning Area Absolute and Percentage Difference between Draft Round 9.0 and the Round 9.0 Econometric Model (Draft Round 9.0 minus Model Results)

	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>	<u>2035</u>	<u>2040</u>	<u>2045</u>
TOTAL JOBS	3.7 0.1%	-44.9 -1.3%	22.8 0.6%	81.0 2.2%	106.6 2.8%	111.9 2.8%	119.7 2.9%
TOTAL POPULATION	-97.9 -1.8%	-101.5 -1.8%	-66.4 -1.1%	-39.6 -0.6%	-11.4 -0.2%	12.0 0.2%	16.7 0.2%
TOTAL HOUSEHOLDS	-1.1 -0.1%	-11.1 -0.5%	-17.8 -0.8%	-26.8 -1.1%	-45.8 -1.8%	-79.8 -3.0%	-129.5 -4.7%

# Summary of Round 9.0 Cooperative Forecasts

## COG / TPB Planning Area

(Thousands)

	<u>2015</u>	<u>2045</u>	<b>2015 to 2045</b>	
			<u>Number</u>	<u>Percent</u>
<b>Employment</b>	3,149.9	4,285.7	1,135.8	36.1%
<b>Population</b>	5,388.7	6,905.1	1,516.4.	28.1%
<b>Households</b>	2,008.3	2,646.0	637.7	31.8%

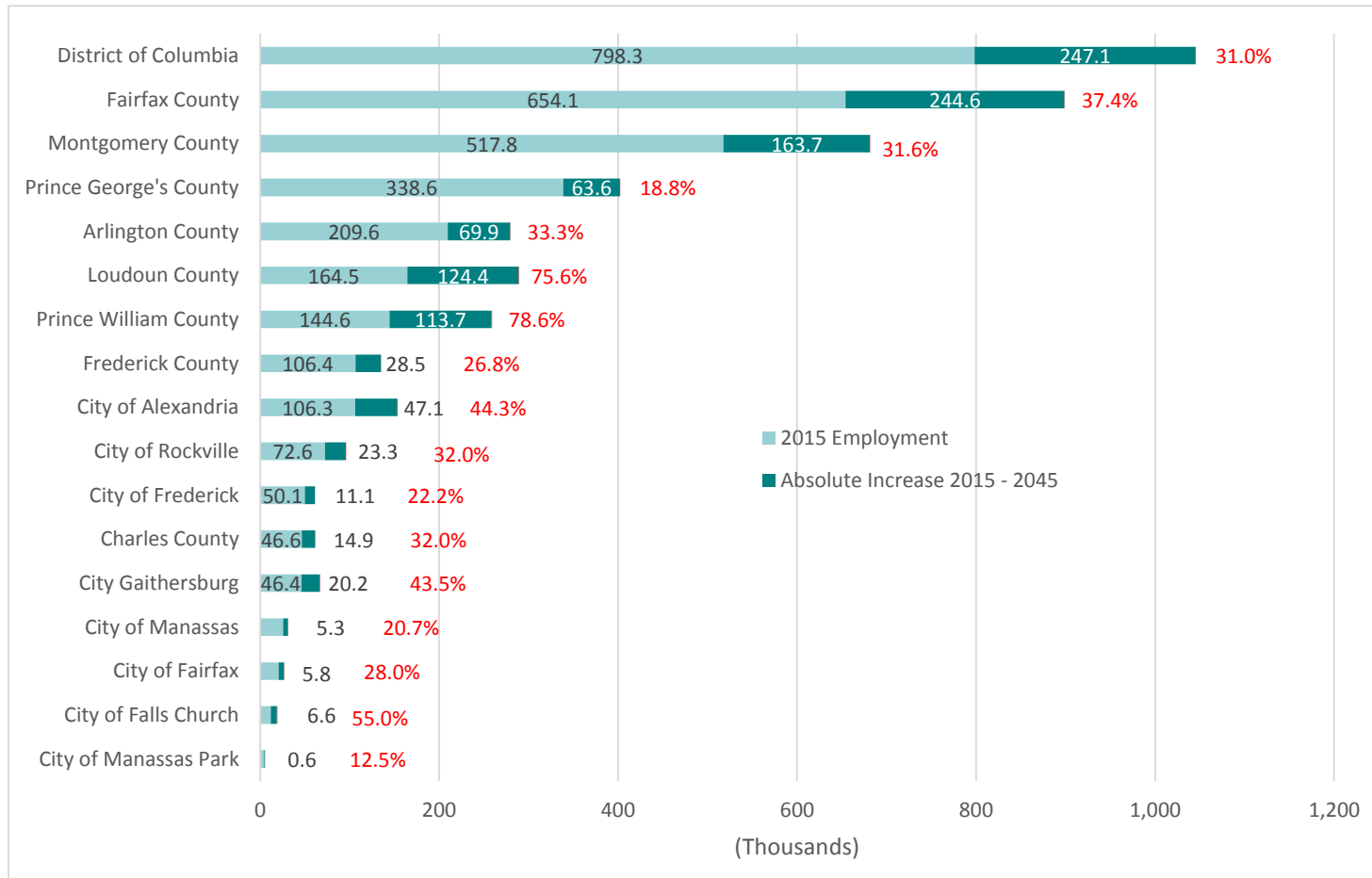
# Change in 2040 Forecast from Round 8.4

## COG / TPB Planning Area

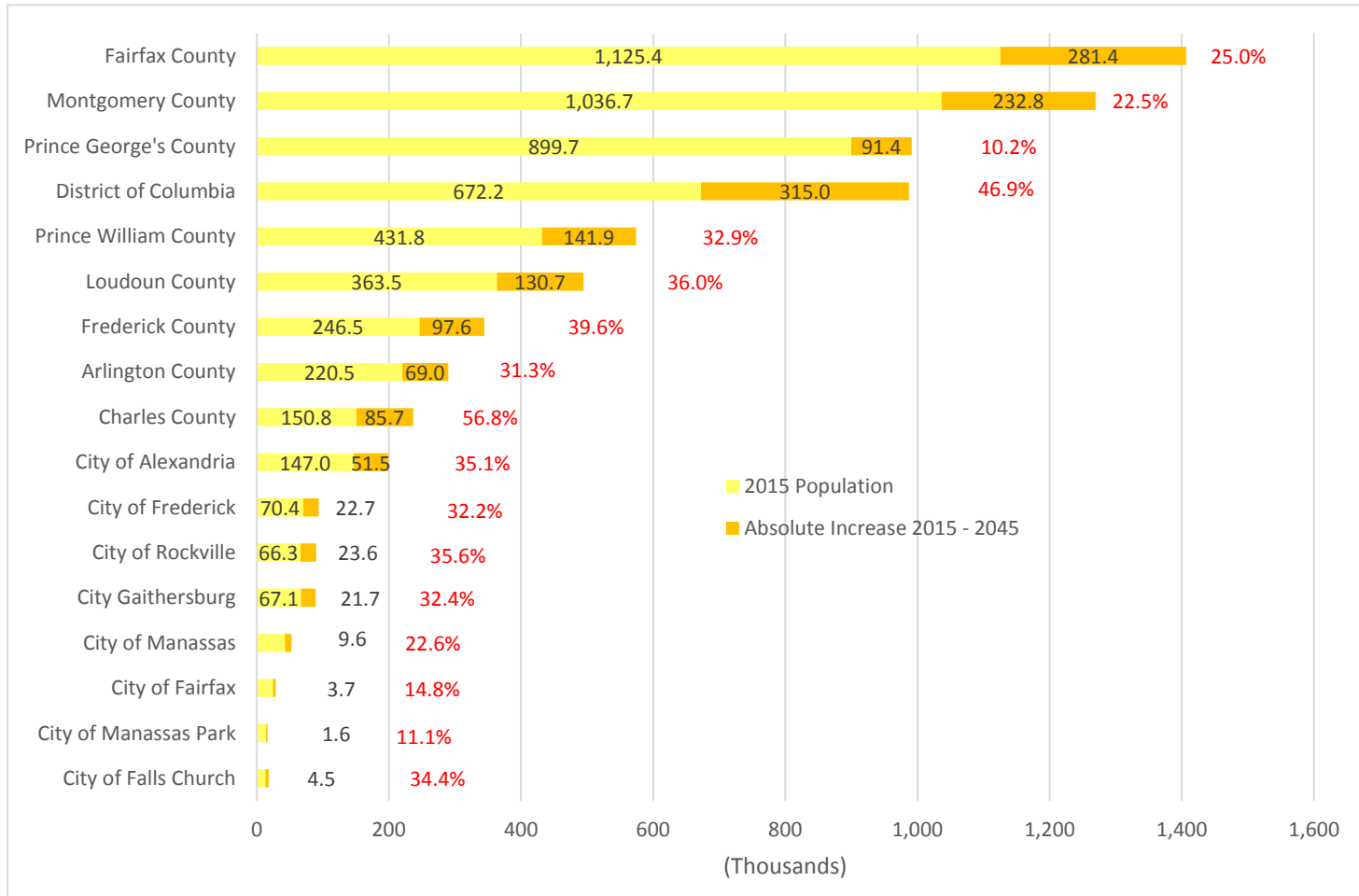
(Thousands)

	Round 8.4	Round 9.0	Number	Percent
<b>Employment</b>	4,370.8	4,130.4	-240.4	-5.8%
<b>Population</b>	6,619.2	6,698.7	79.5	1.2%
<b>Households</b>	2,546.6	2,562.9	16.3	0.6%

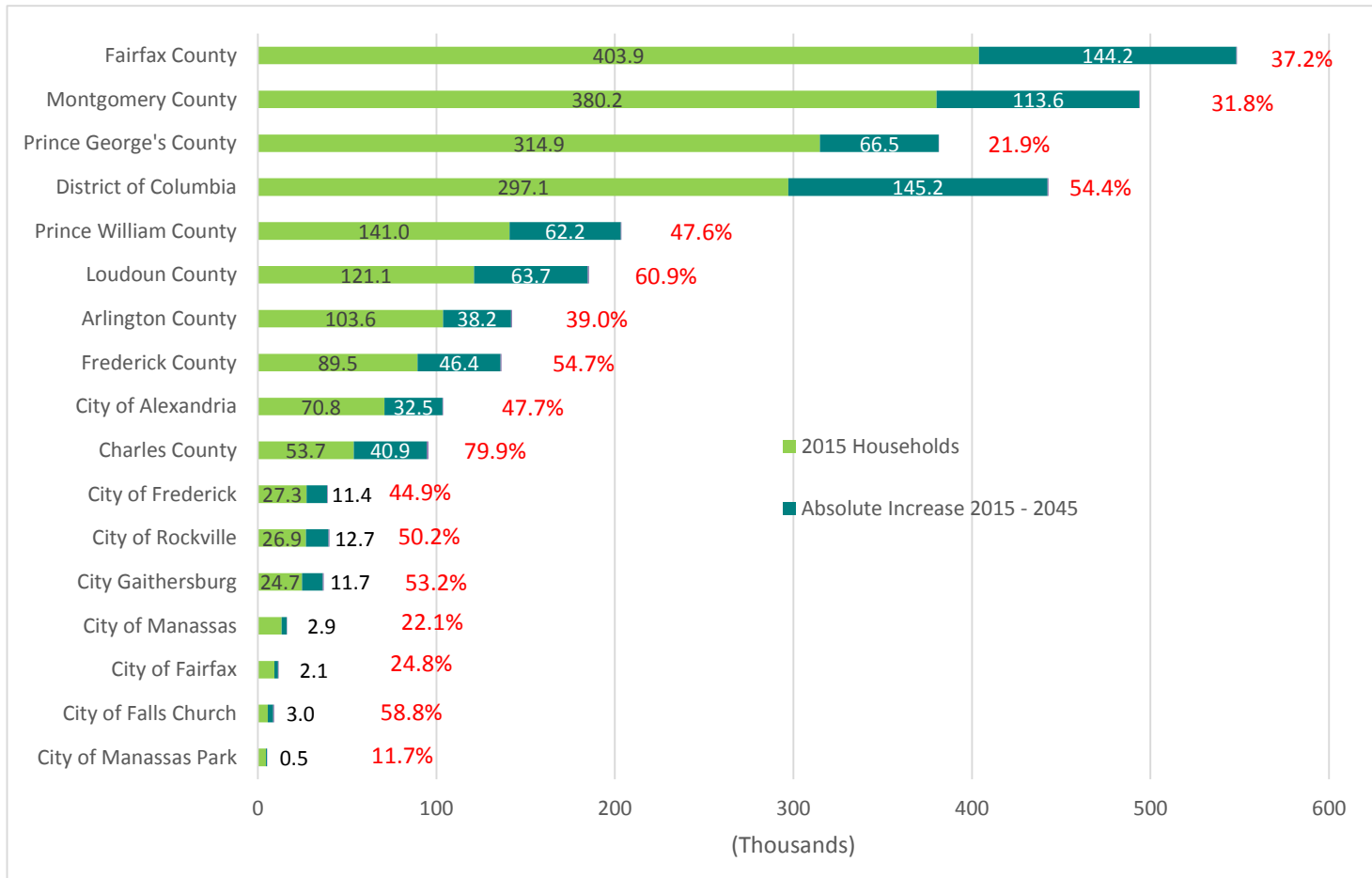
# Employment 2015 - 2045



# Population 2015 - 2045



# Households 2015 - 2045

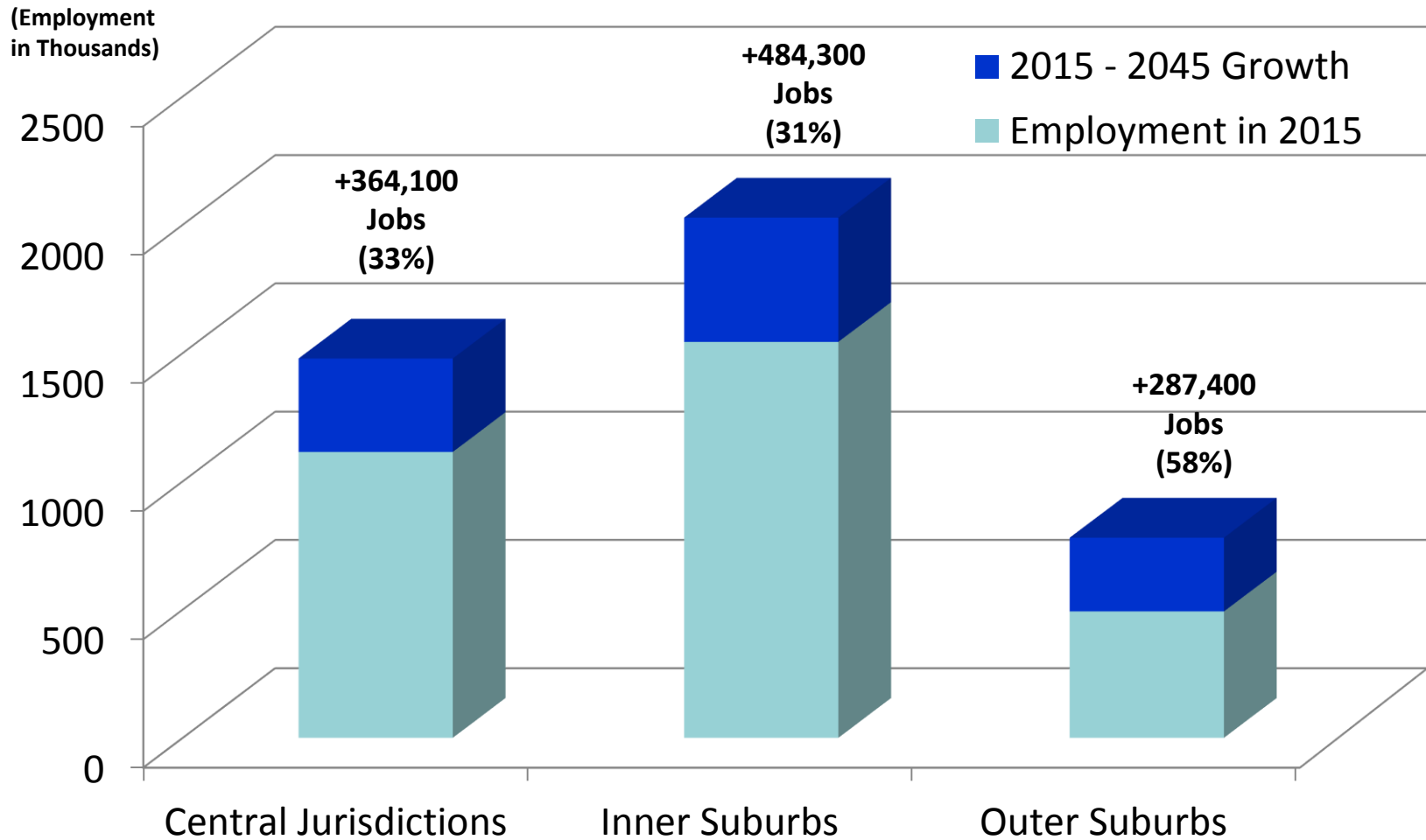




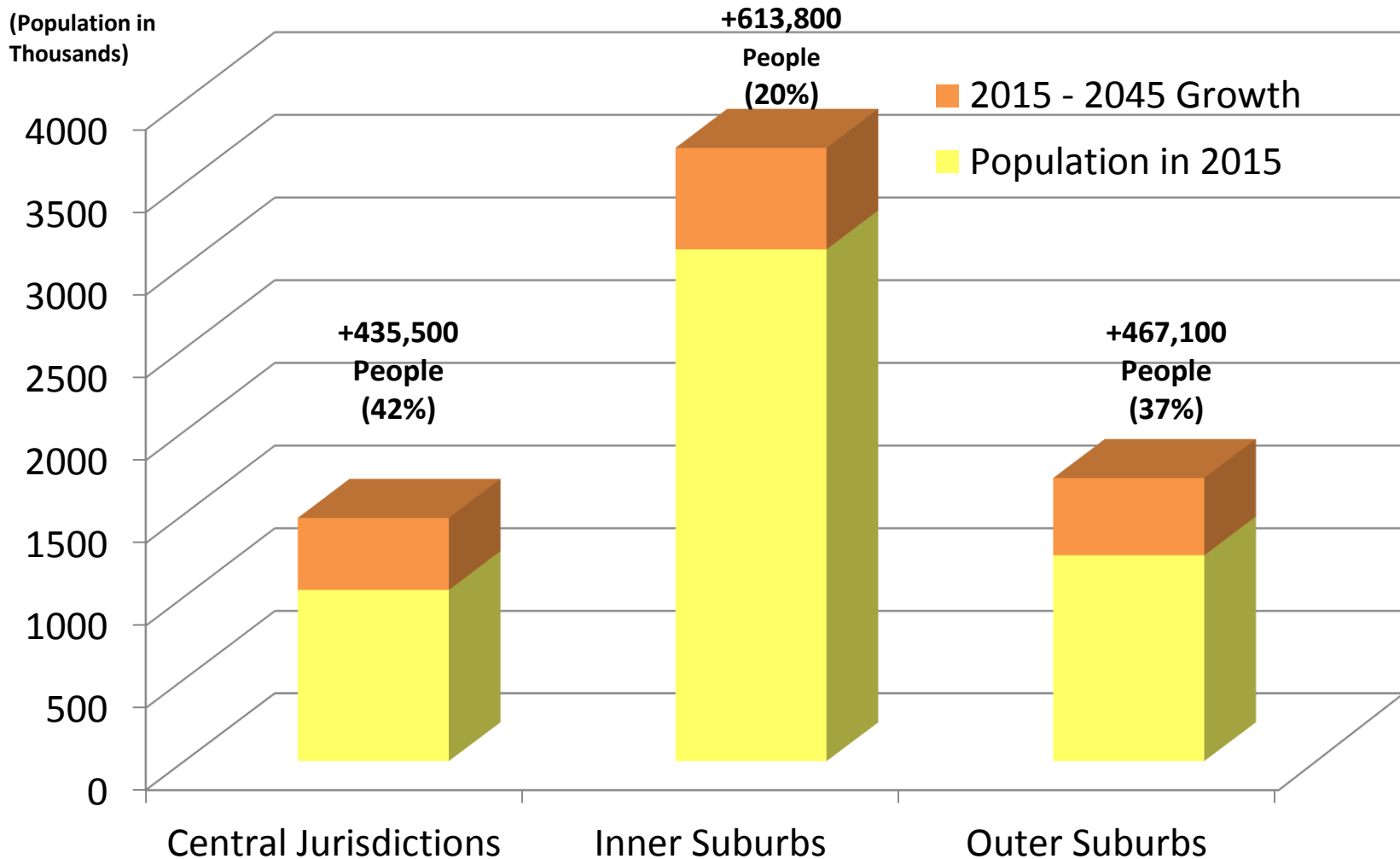
# Forecasts for Jurisdictions in COG / TPB Planning Area Have Been Grouped Geographically for Analysis Purposes

Central Jurisdictions	Inner Suburbs	Outer Suburbs
<ul style="list-style-type: none"><li>• District of Columbia</li><li>• Arlington</li><li>• Alexandria</li></ul>	<ul style="list-style-type: none"><li>• Montgomery</li><li>• Prince George's</li><li>• Fairfax (County)</li><li>• Fairfax (city)</li><li>• Falls Church</li></ul>	<ul style="list-style-type: none"><li>• Loudoun</li><li>• Prince William</li><li>• Manassas</li><li>• Manassas Park</li><li>• Charles</li><li>• Frederick County (MD)</li></ul>

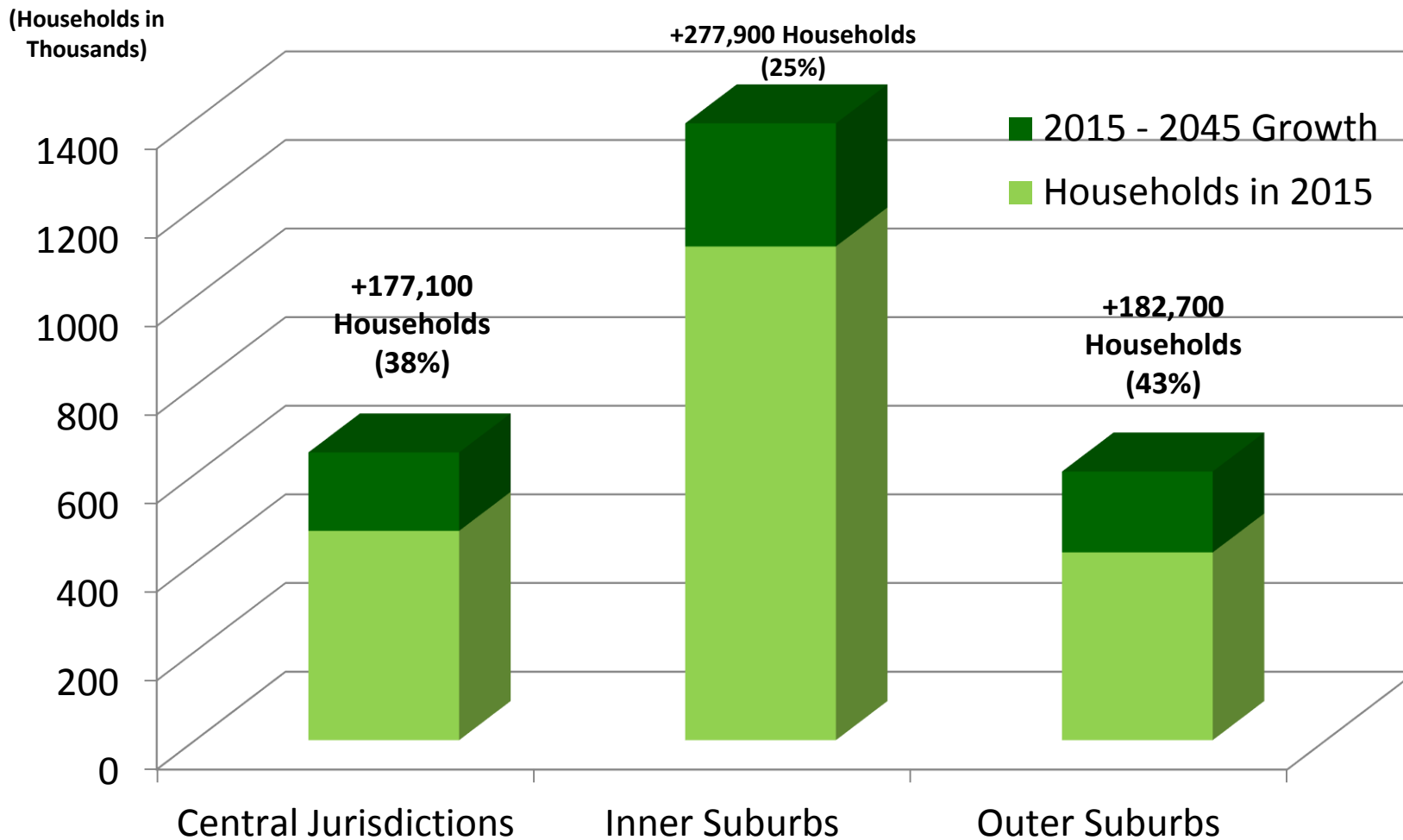
# Forecast Employment Growth (2015 - 2045)



# Forecast Population Growth (2015 - 2045)



# Forecast Household Growth (2015 - 2045)



# Next Steps

- **Local jurisdictions submit Round 9.0 forecasts by transportation analysis zone (TAZ) – by March 11, 2016**
- **COG Board will approve “Draft Round 9.0” for use in the Air Quality Conformity Analysis of the 2016 Update to the Financially Constrained Long-Range Transportation Plan (CLRP) and the FY 2017-2022 Transportation Improvement Program (TIP) – March 2016**
- **Final approval and adoption by the COG Board – November 2016**

**Questions . . .**