

Round 9.0 Cooperative Forecasts of Future Growth

TPB Technical Committee

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Metropolitan Washington
Council of Governments

Cooperative Forecasting Process

Regional Econometric Model Projections

- Employment
- Population
- Households



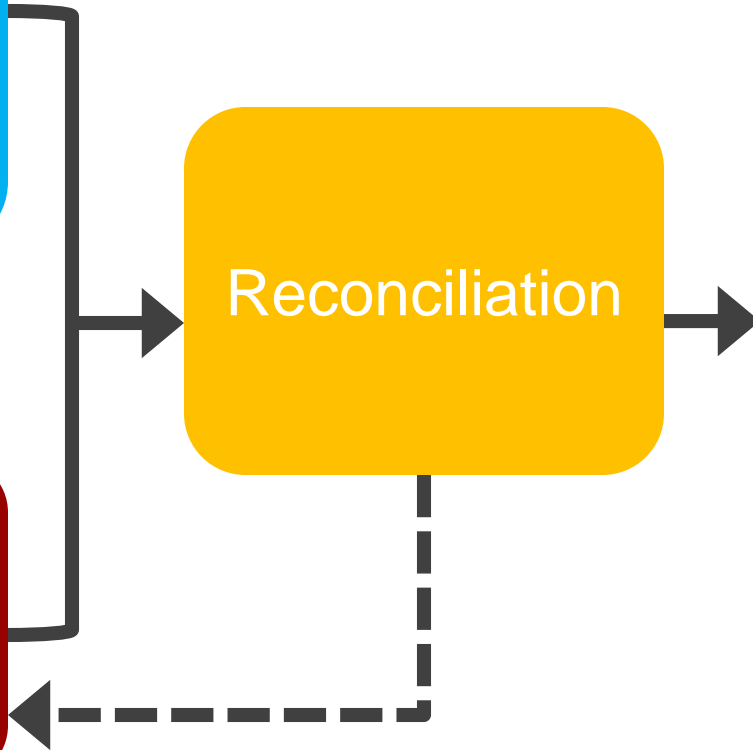
Local Forecasts

Short Term – Permits

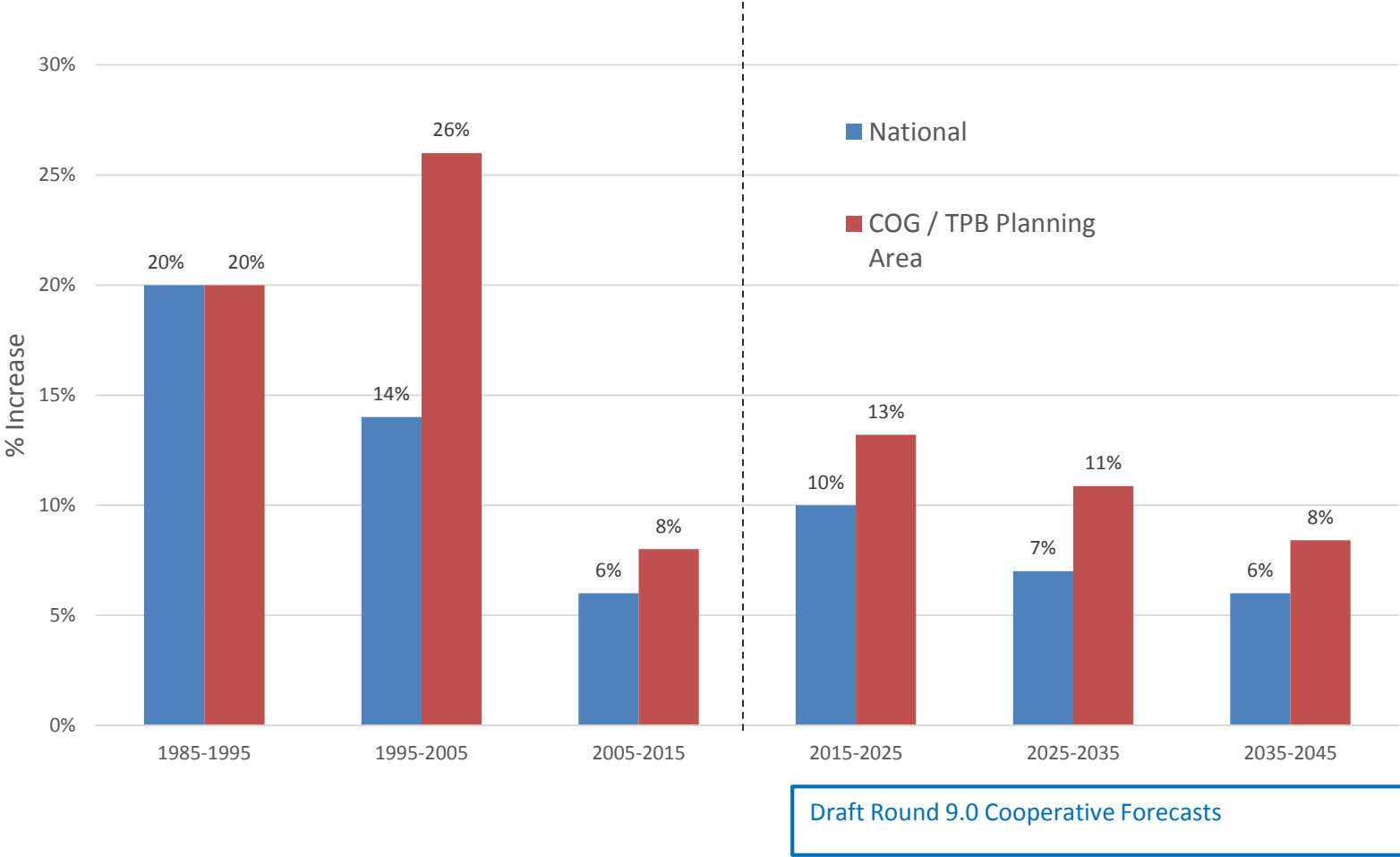
Long Term – Comprehensive Plans

Reconciliation

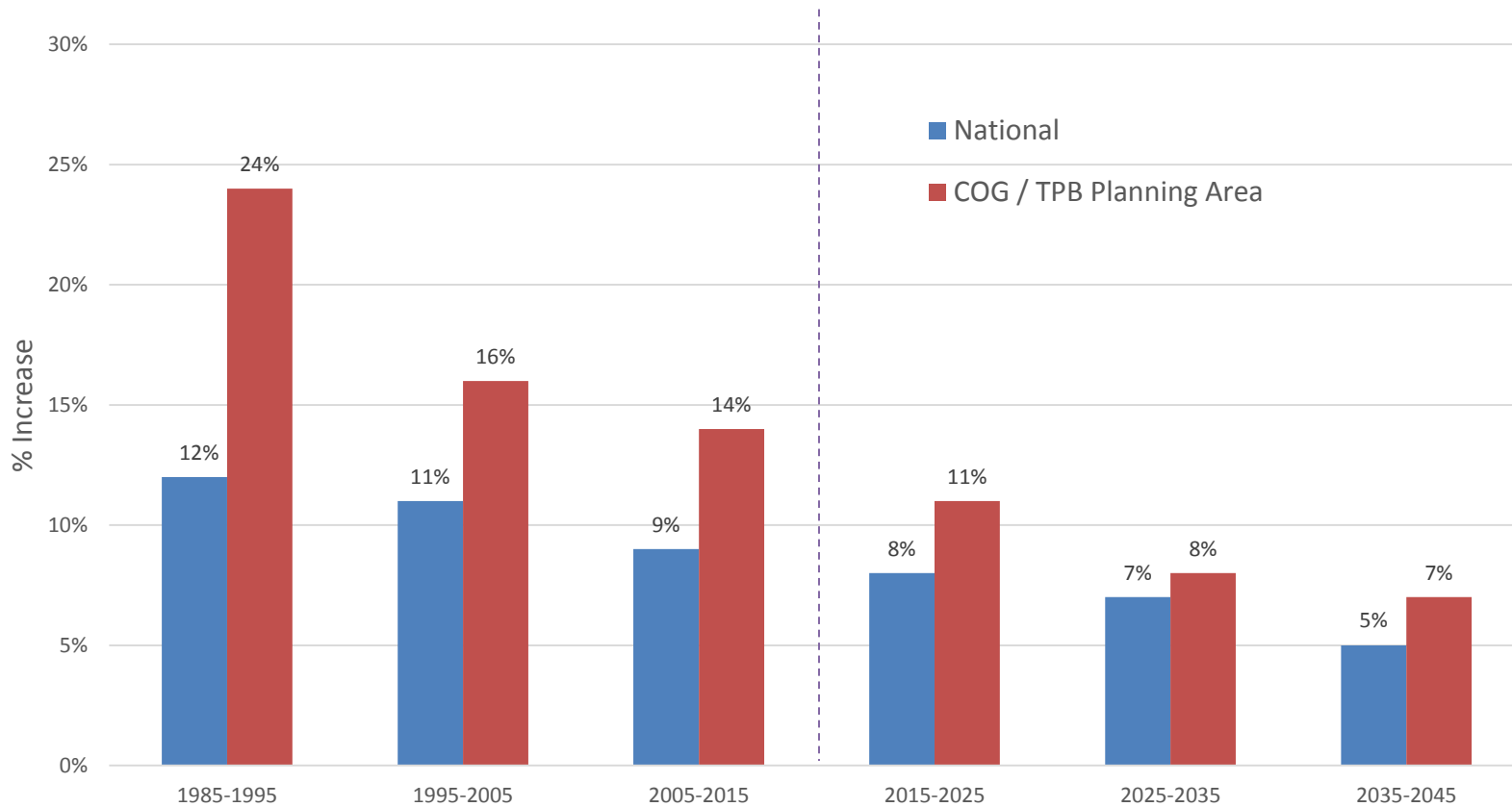
Regional
Forecast
Jurisdictional
Small Area (TAZ)



Employment Change by 10-Year Increments National vs. COG / TPB Planning Area



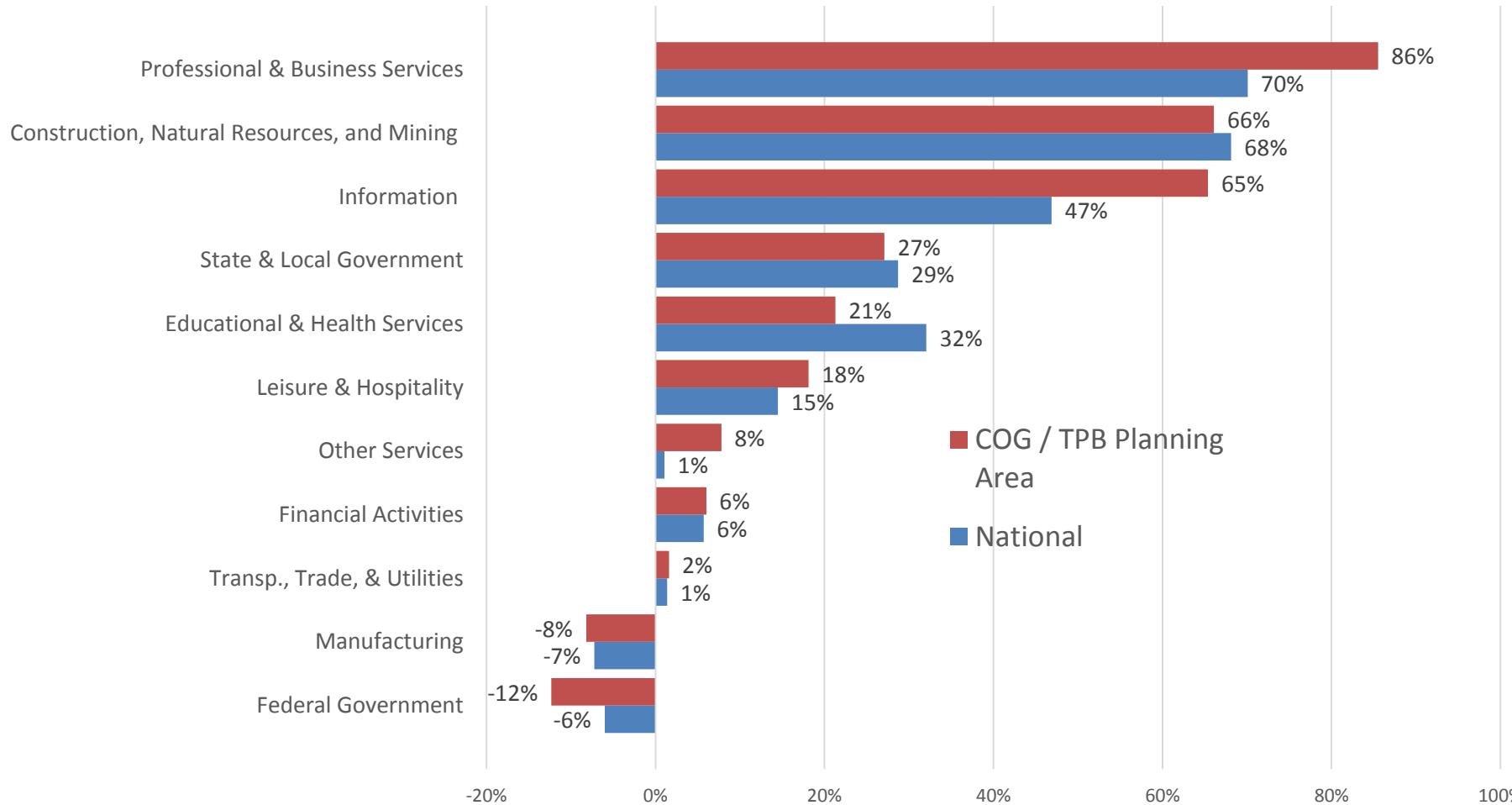
Population Change by 10-Year Increments National vs. COG / TPB Planning Area



Draft Round 9.0 Cooperative Forecasts

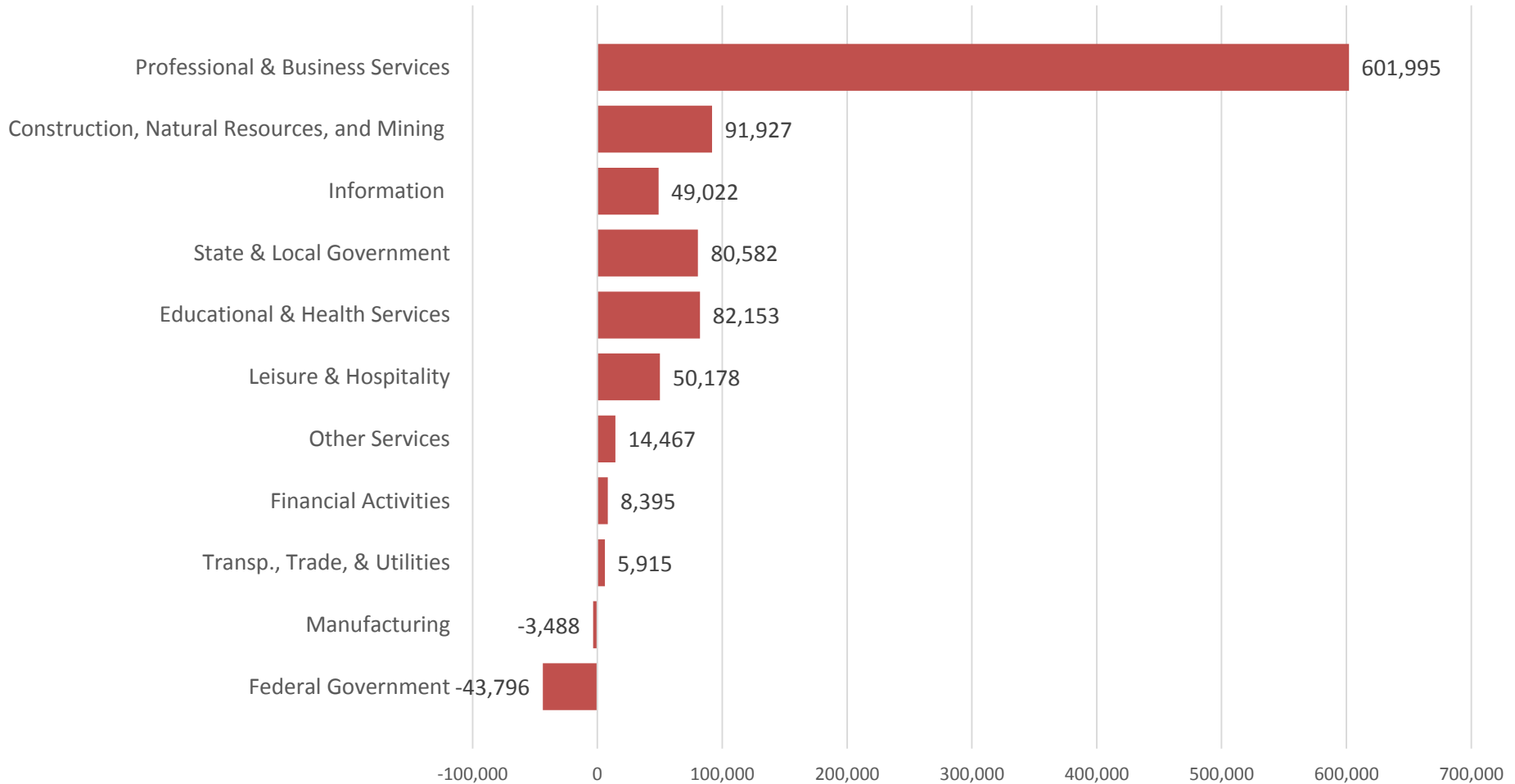
Employment Change by Sector 2015 – 2045

National vs. COG / TPB Planning Area



Employment Change by Sector 2015 – 2045

COG / TPB Planning Area



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>	2015 to 2045	
			<u>Number</u>	<u>Percent</u>
Employment	3,149.9	4,285.7	1,136	36%
Population	5,388.7	6,905.1	1,516	28%
Households	2,008.3	2,646.0	638	32%

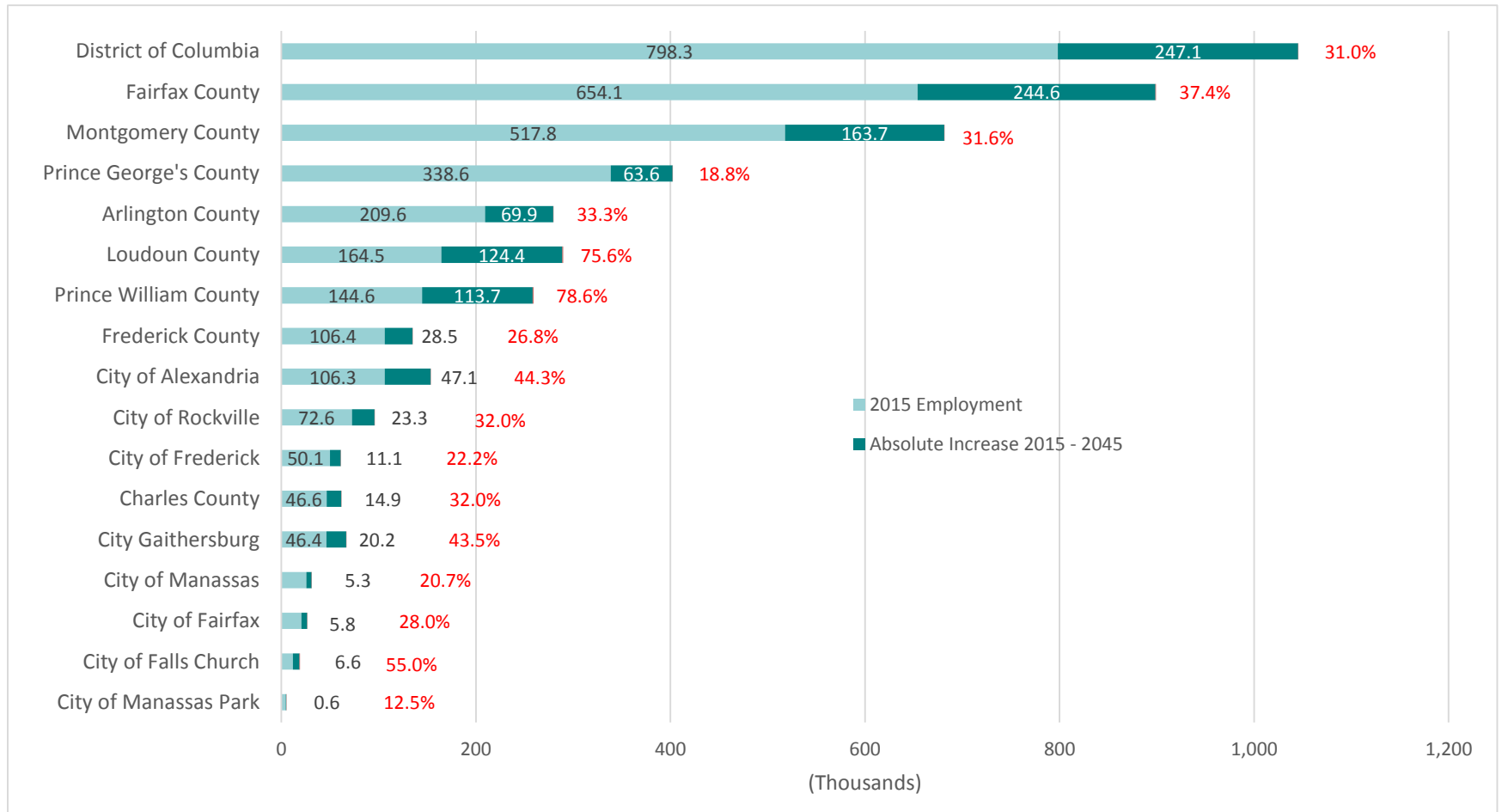
Change in 2040 Forecast from Round 8.4

COG / TPB Planning Area

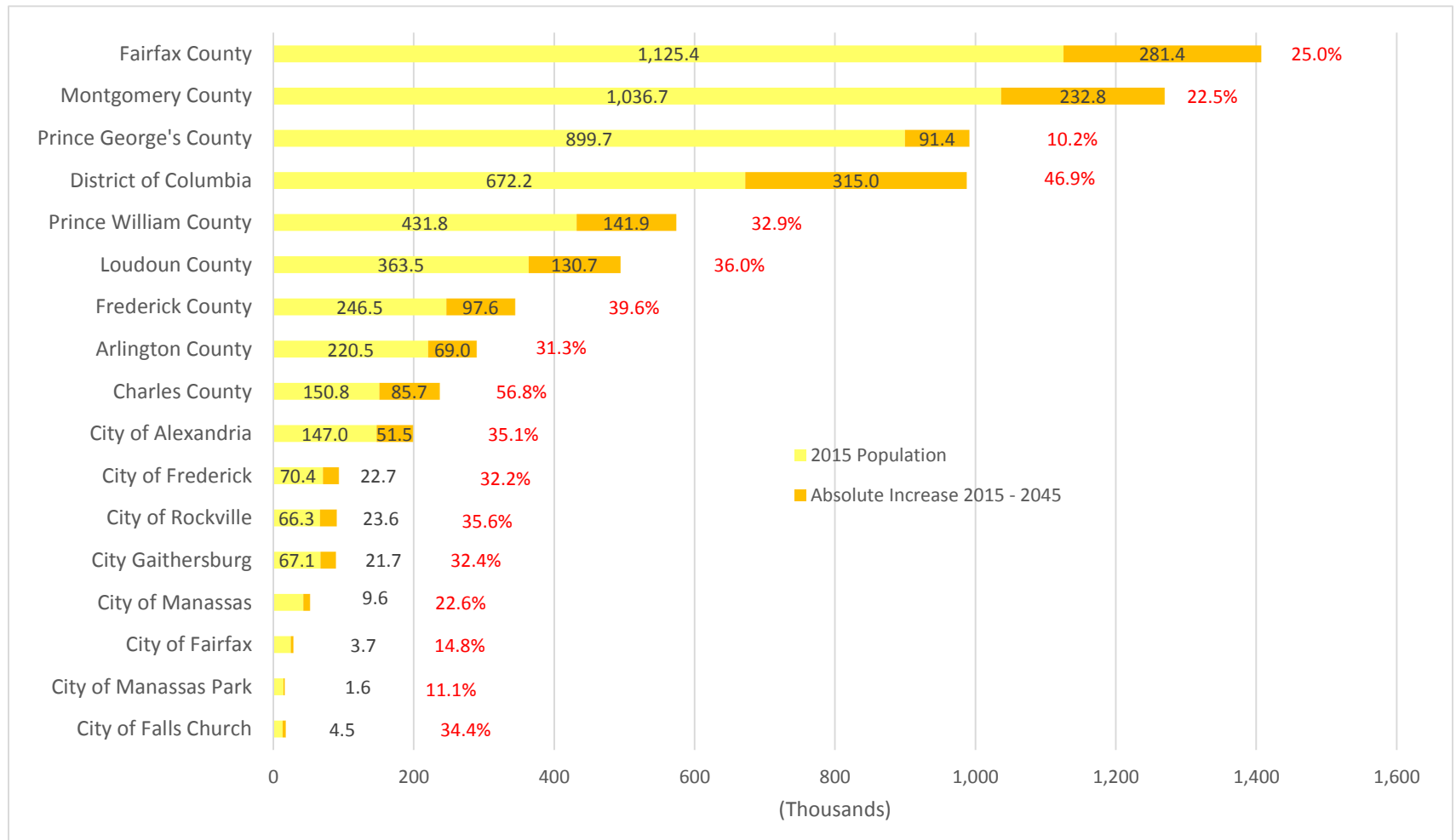
(Thousands)

	Round 8.4	Round 9.0	Number	Percent
Employment	4,370.8	4,130.4	-240	-6%
Population	6,619.2	6,698.7	80	1%
Households	2,546.6	2,562.9	16	1%

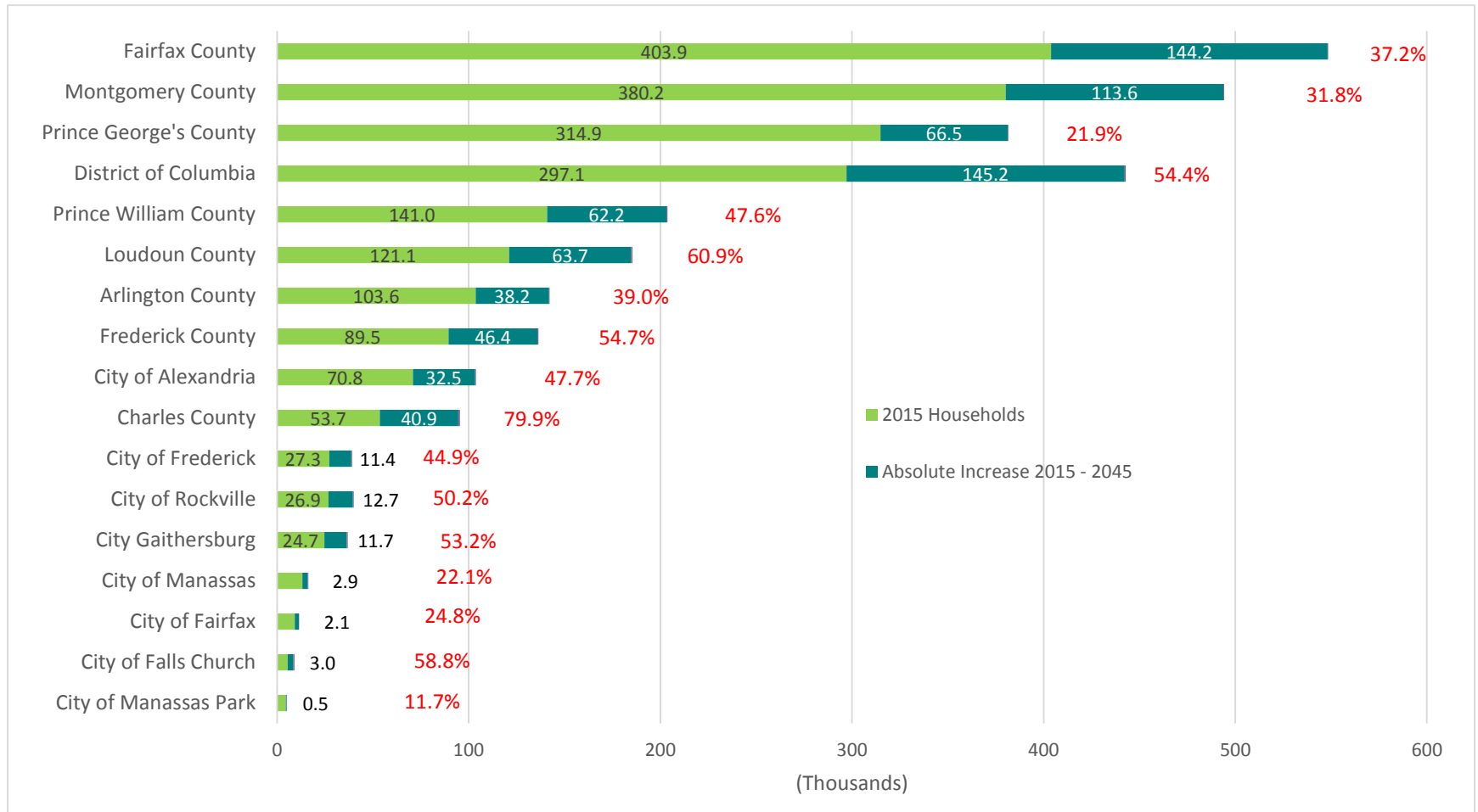
Employment 2015 - 2045



Population 2015 - 2045



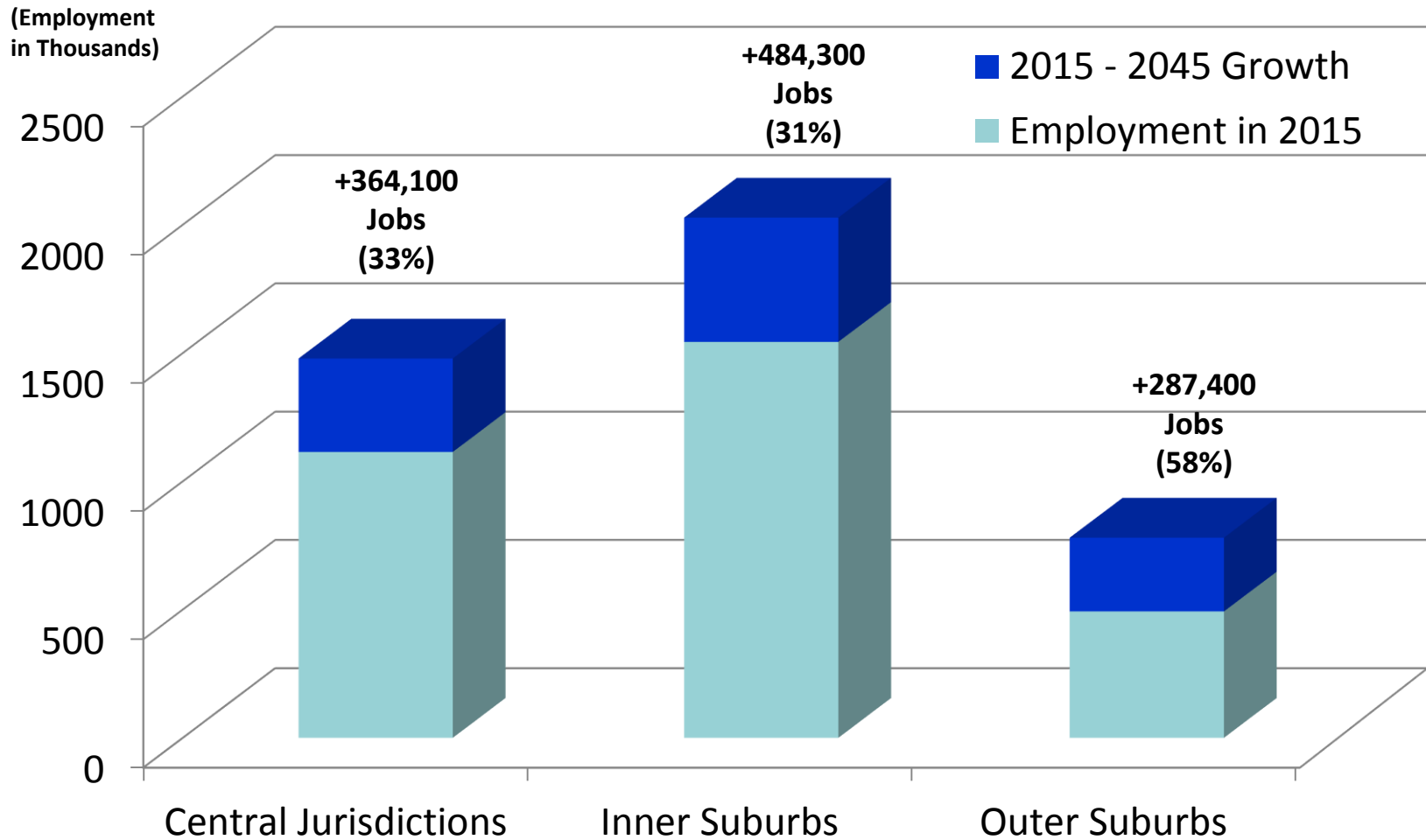
Households 2015 - 2045



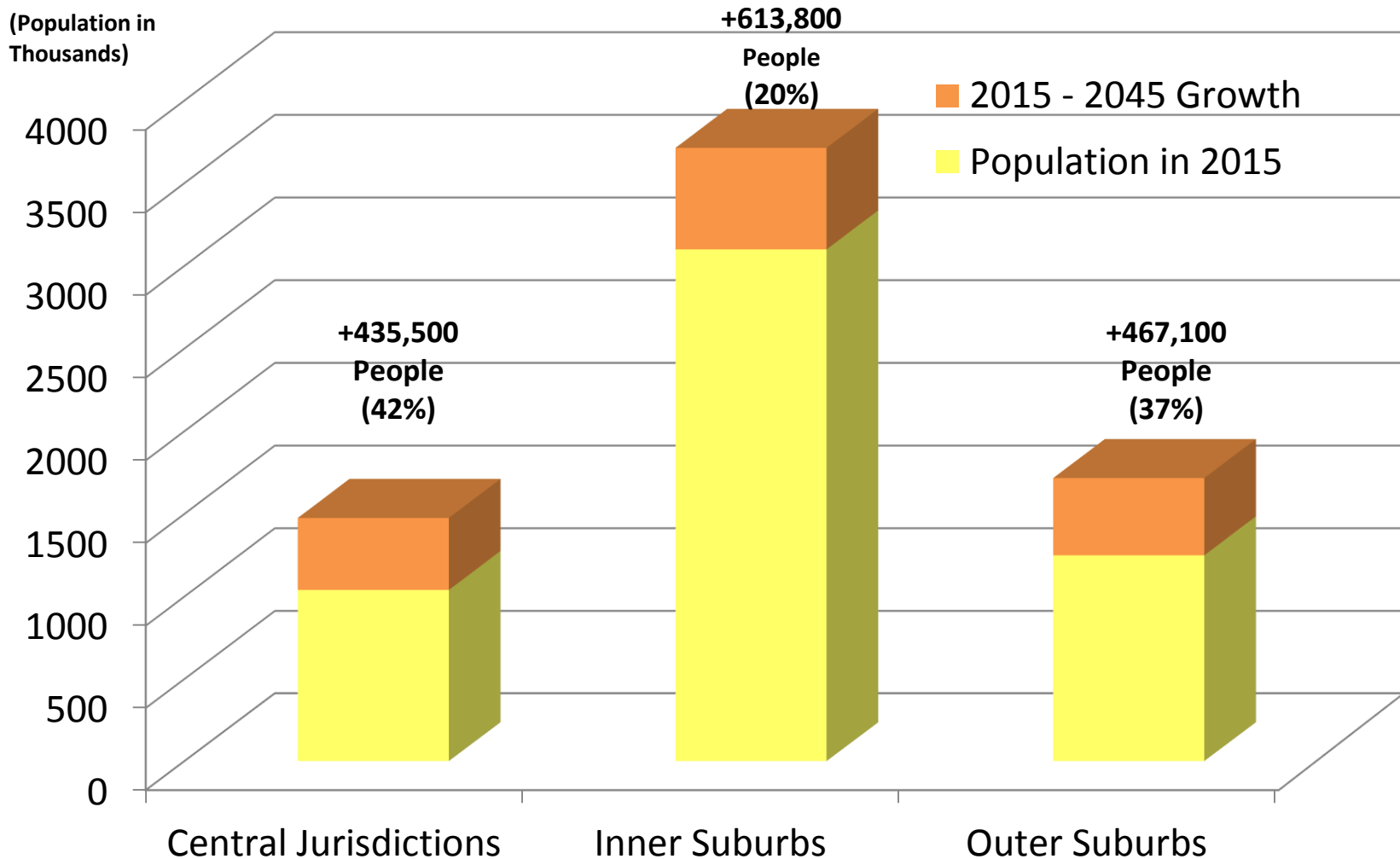
Forecasts for Jurisdictions in COG / TPB Planning Area Have Been Grouped Geographically for Analysis Purposes

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

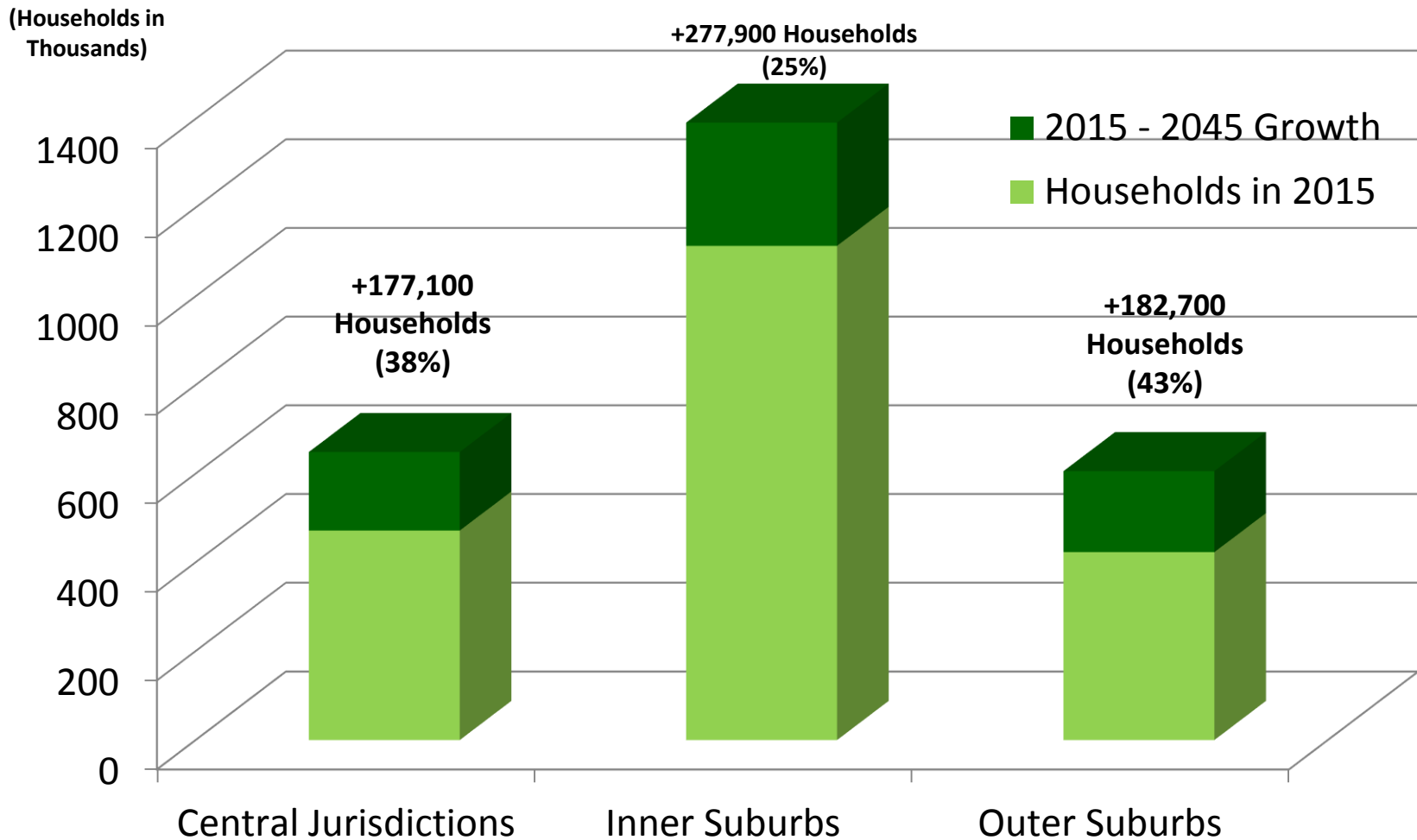
Forecast Employment Growth (2015 - 2045)



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 to 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 in November 2016**

Questions . . .