

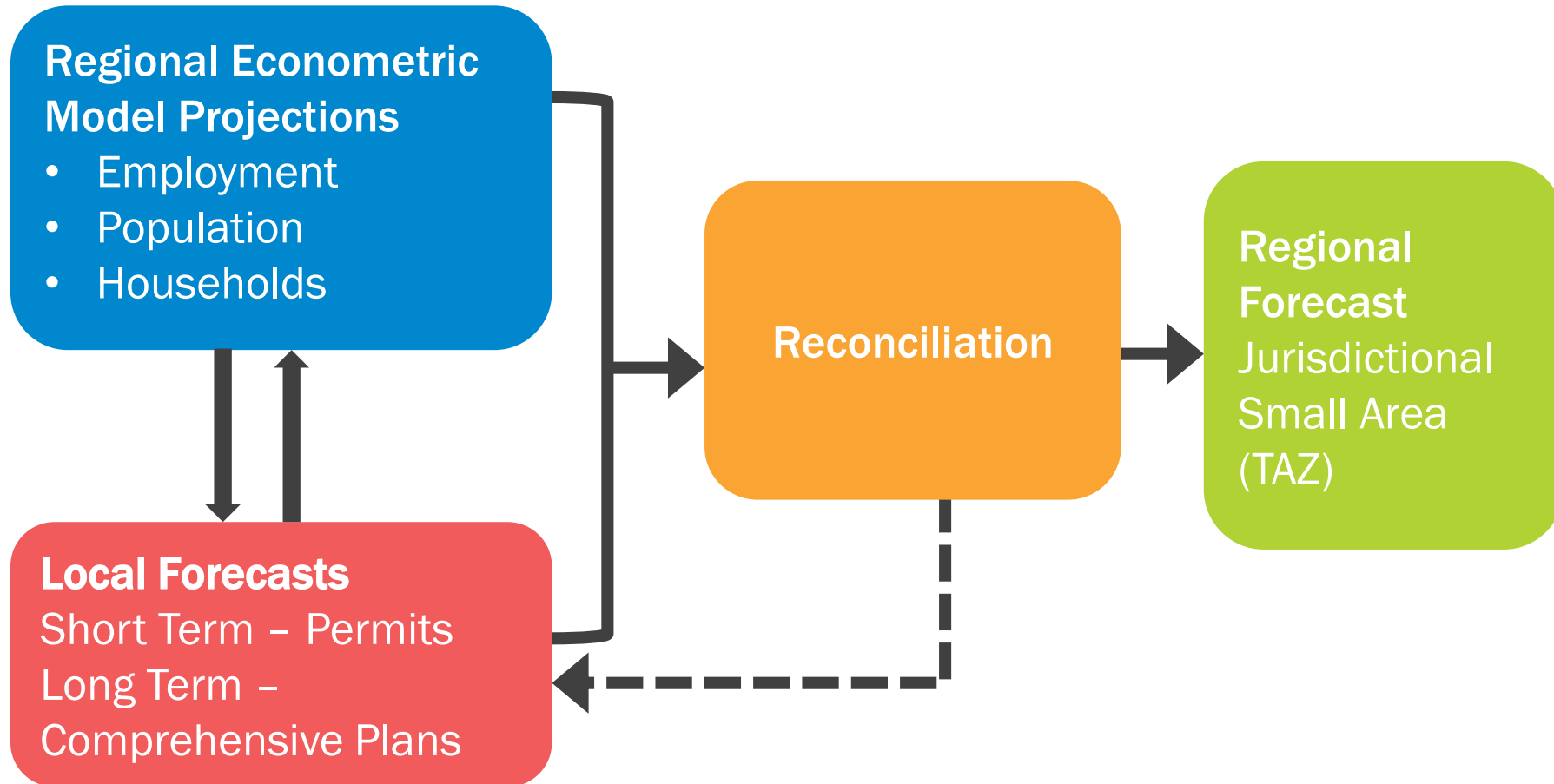
# ROUND 9.0 COOPERATIVE FORECASTS OF FUTURE GROWTH

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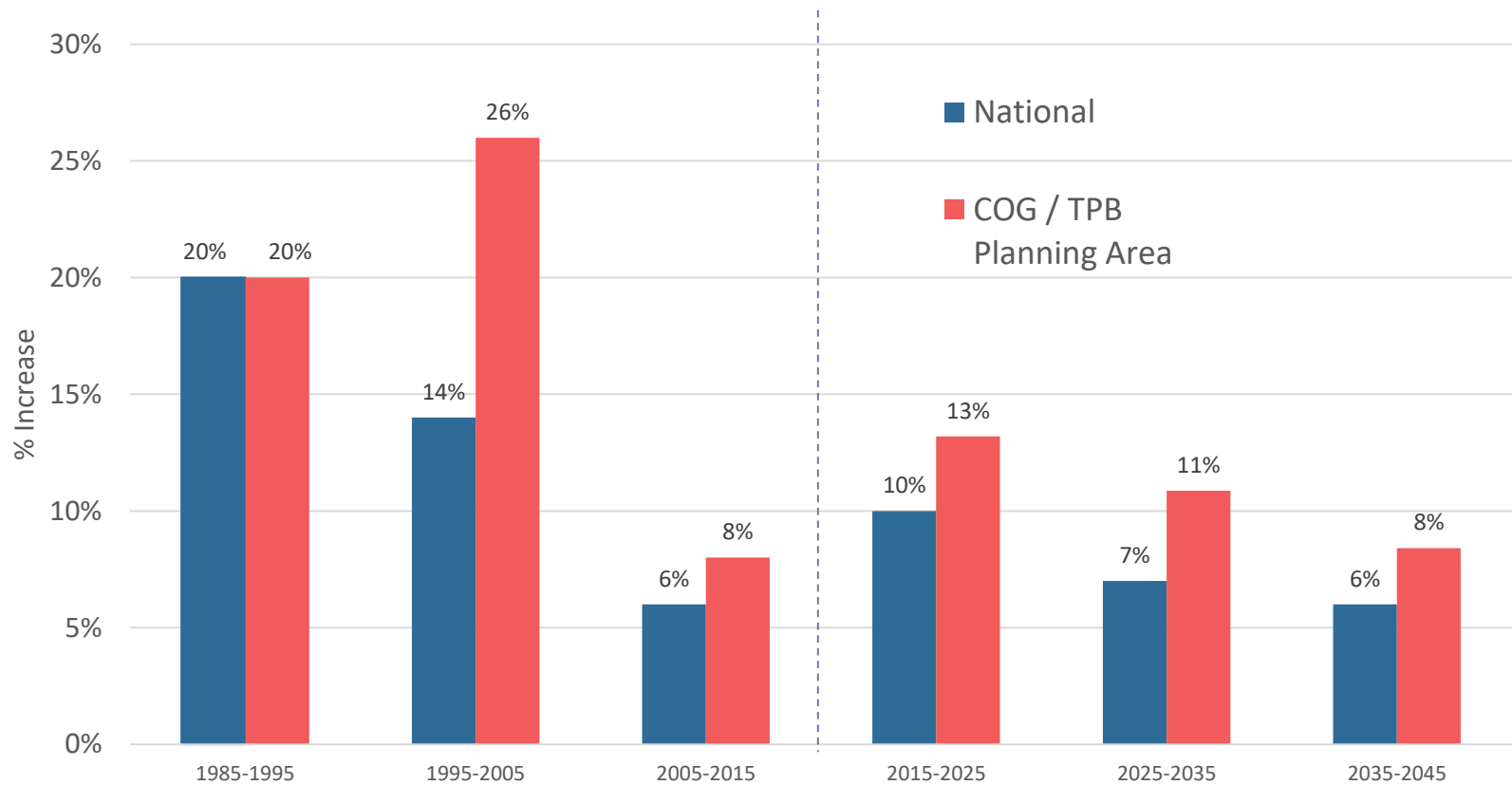
Greg Goodwin  
COG Community Planning and Services

BMC – Cooperative Forecasting Group  
April 27, 2016

# Cooperative Forecasting Process



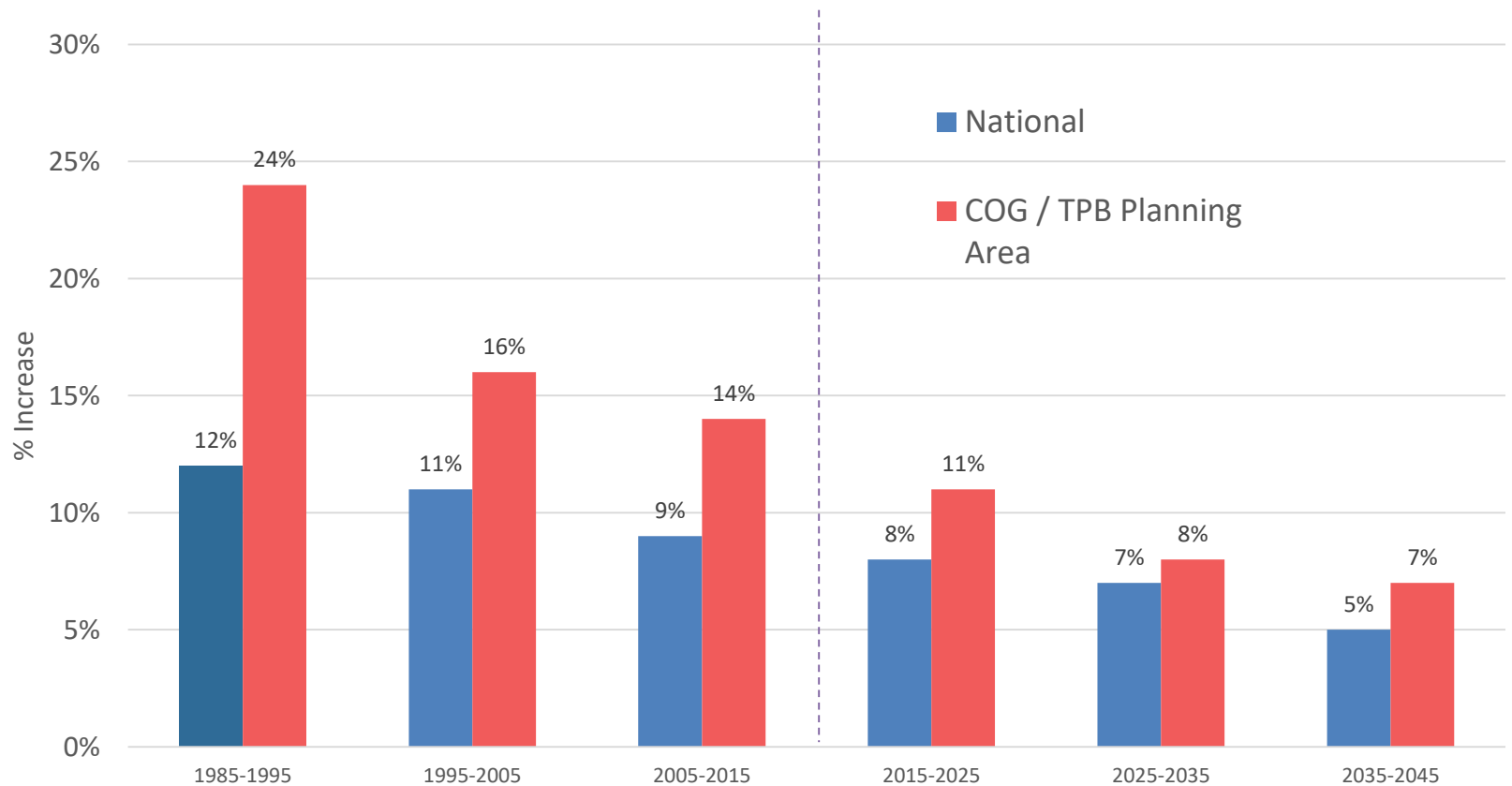
# Employment Change by 10-Year Increments National vs. COG / TPB Planning Area



Draft Round 9.0 Cooperative Forecasts



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

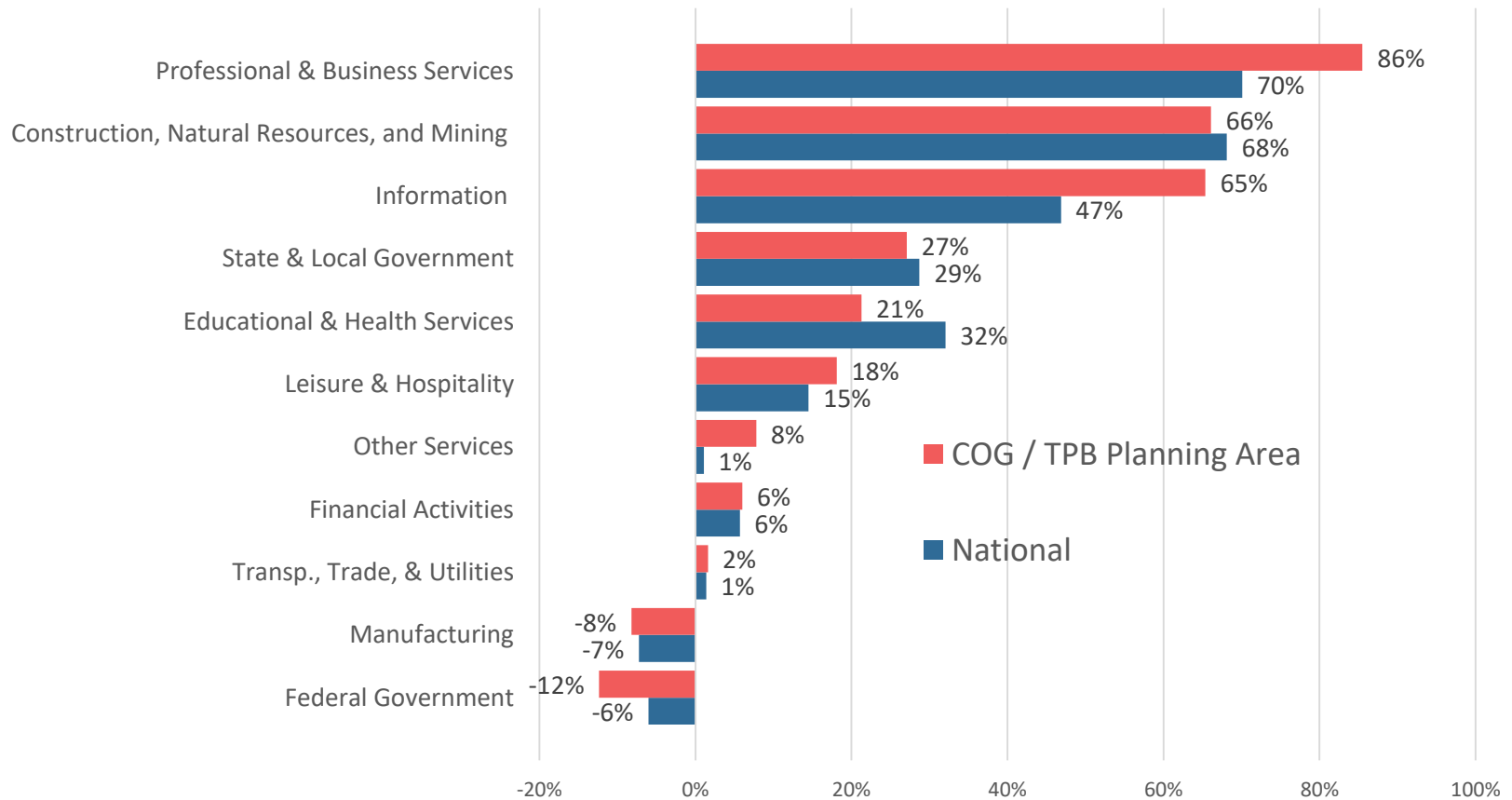


Draft Round 9.0 Cooperative Forecasts



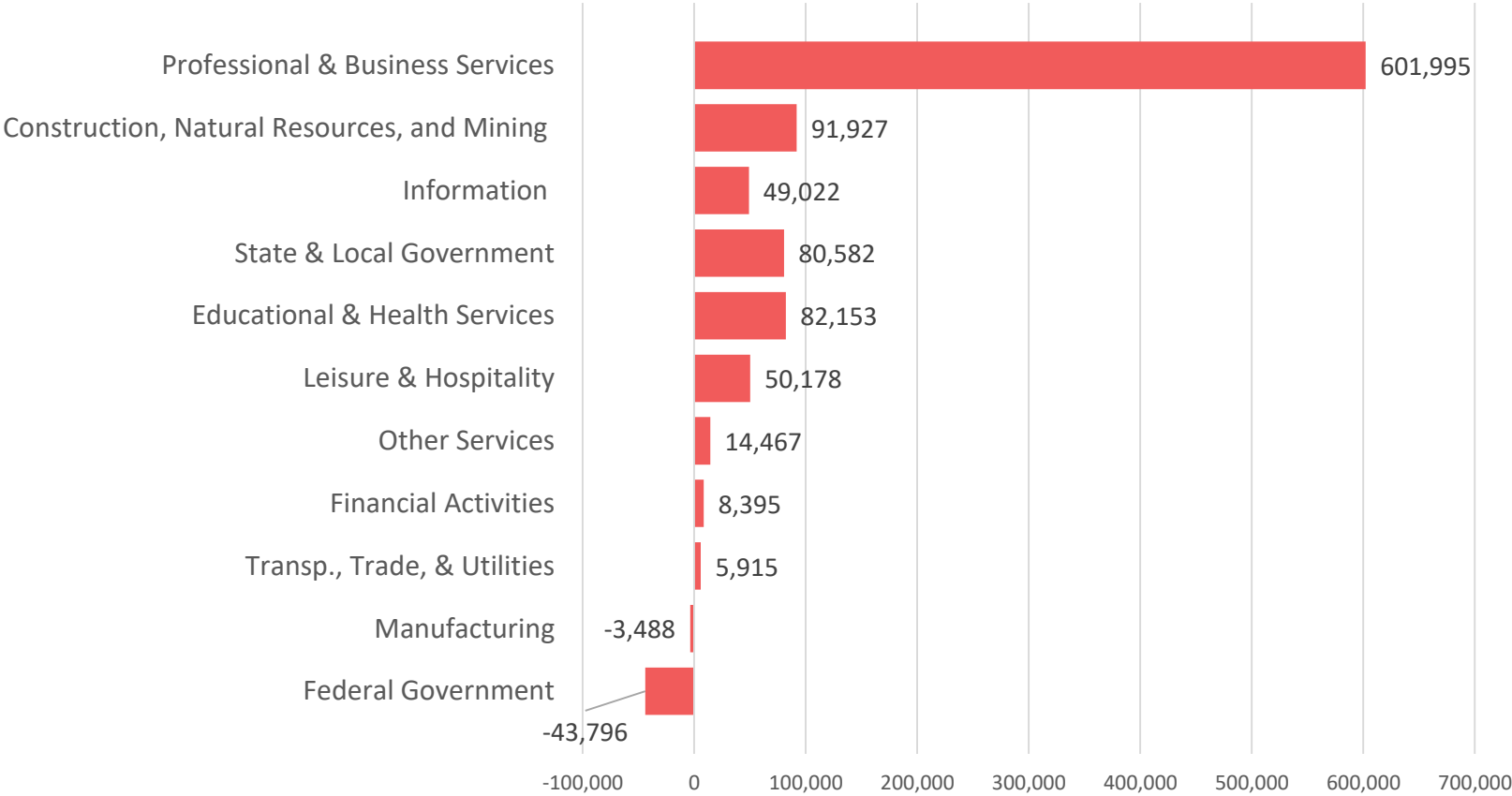
# Employment Change by Sector 2015–2045

## 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	3,151.7	3,343.0	3,562.6	3,766.7	3,949.0	4,125.0	4,291.2
TOTAL POPULATION	5,372.0	5,673.1	5,956.0	6,214.3	6,453.0	6,665.3	6,876.0
TOTAL HOUSEHOLDS	2,009.3	2,135.1	2,256.4	2,371.1	2,470.2	2,557.9	2,651.3

**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	5.5 0.2%	-47.8 -1.4%	19.6 0.6%	76.8 2.1%	102.3 2.7%	106.6 2.7%	125.2 3.0%
TOTAL POPULATION	-114.5 -2.1%	-120.5 -2.1%	-87.7 -1.5%	-60.0 -1.0%	-35.7 -0.5%	-21.3 -0.3%	-12.4 -0.2%
TOTAL HOUSEHOLDS	0.0 0.0%	-11.1 -0.5%	-19.8 -0.9%	-29.1 -1.2%	-49.5 -2.0%	-84.8 -3.2%	-124.1 -4.5%



# Summary of Round 9.0 Cooperative Forecasts

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## COG / TPB Planning Area (Thousands)

	2015	2045	2015 to 2045	
			Number	Percent
Employment	3,151.7	4,295.2	1,140	36%
Population	5,372.0	6,876.0	1,504	28%
Households	2,009.3	2,651.3	642	32%





# Change in 2040 Forecast from Round 8.4

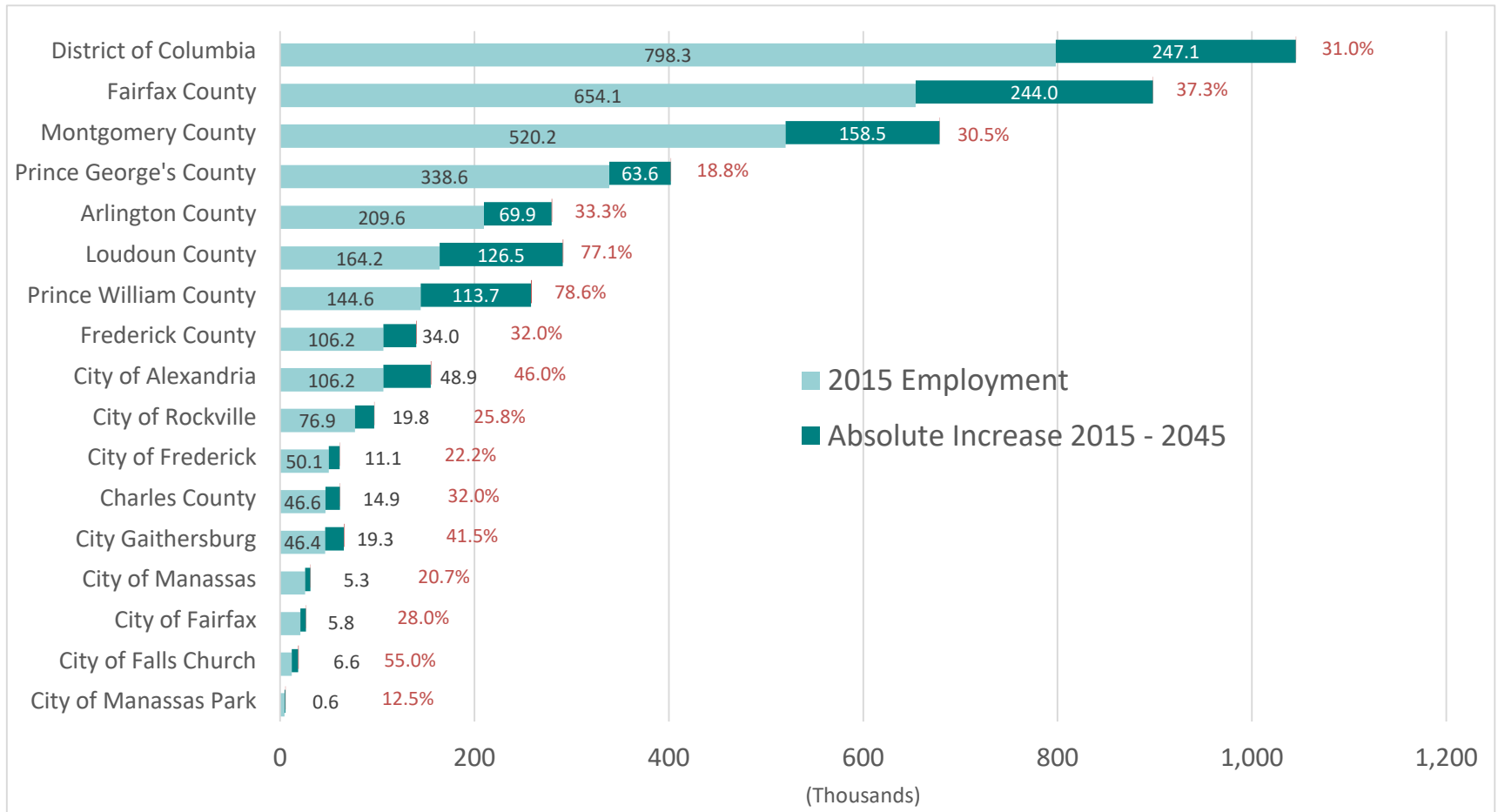
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## COG / TPB Planning Area (Thousands)

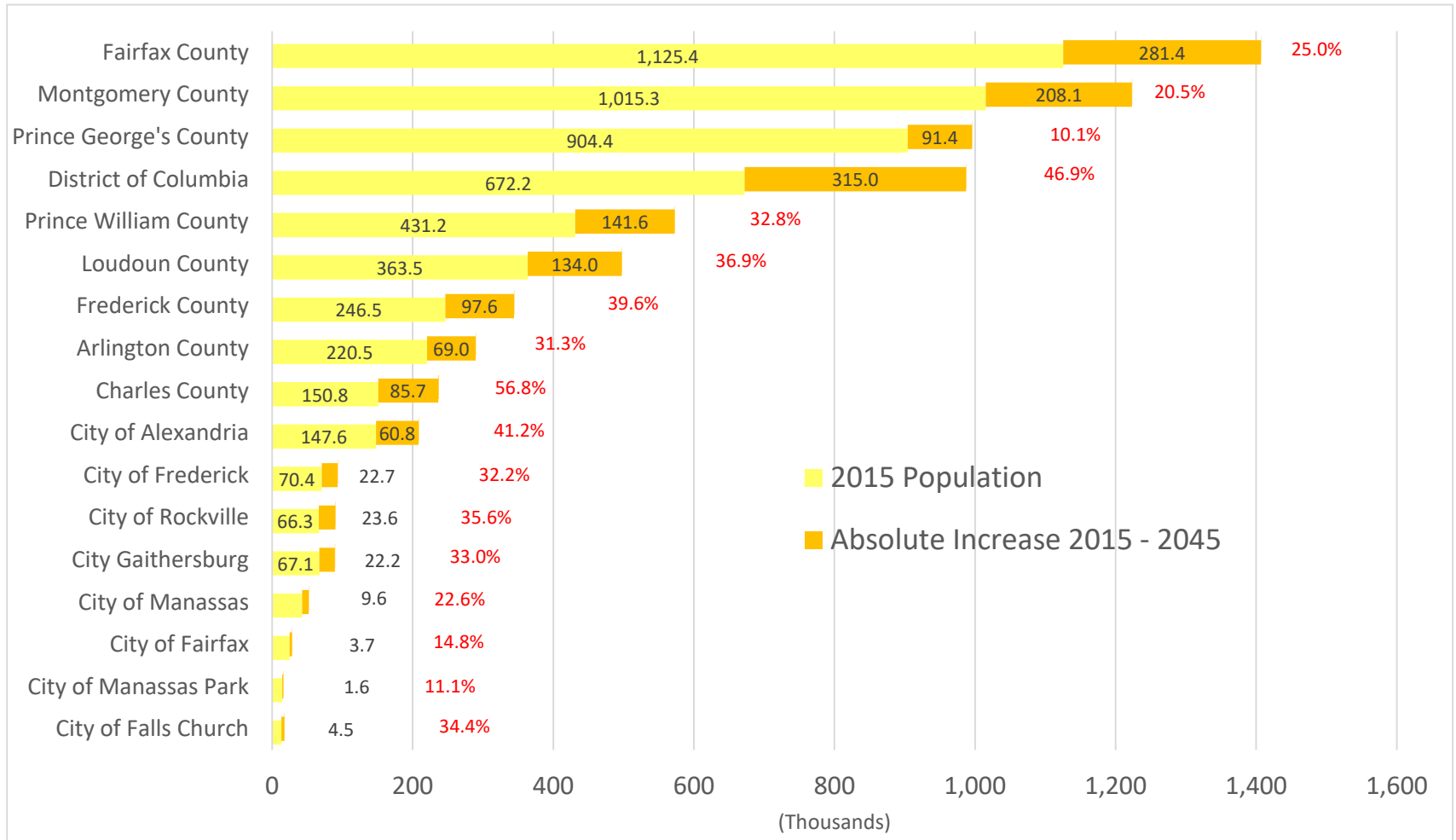
	Round 8.4	Round 9.0	Number	Percent
Employment	4,370.8	4,125.0	-246	-6%
Population	6,619.2	6,665.3	46	1%
Households	2,546.6	2,557.9	11	1%



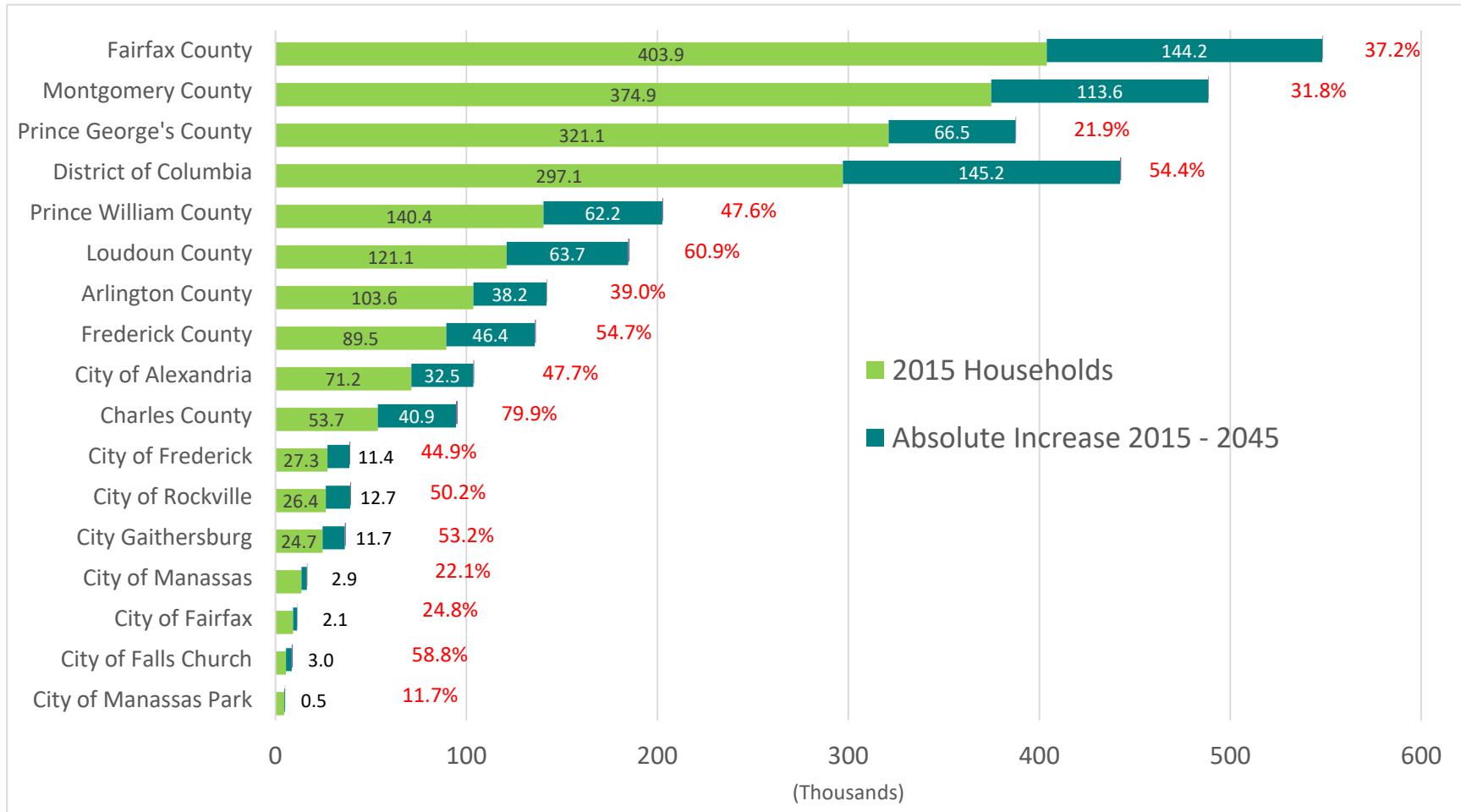
# Employment 2015 - 2045



# Population 2015 - 2045



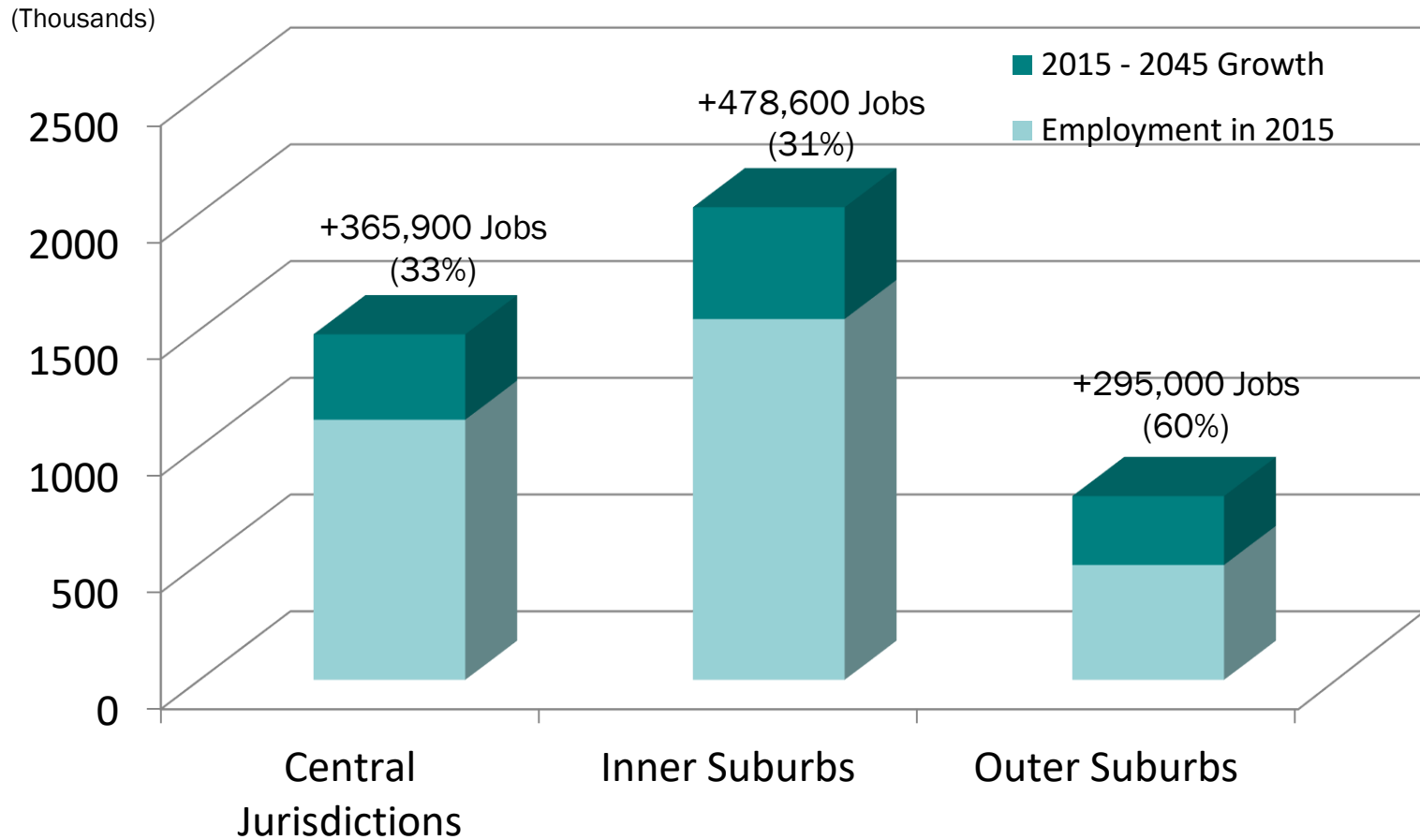
# Households 2015 - 2045



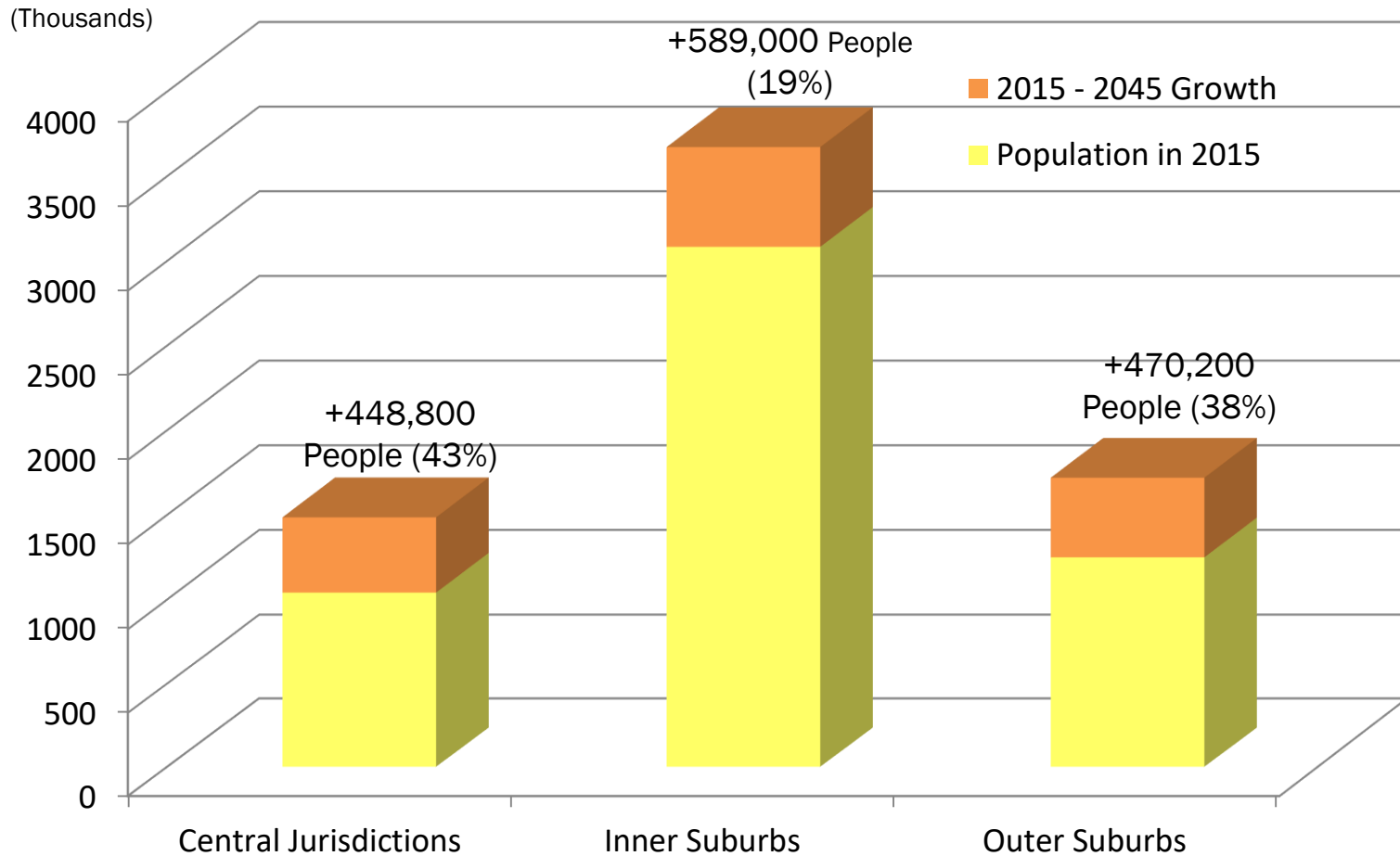
# Forecasts for Jurisdictions in COG / TPB Planning Area Grouped Geographically for Analysis Purposes

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</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>

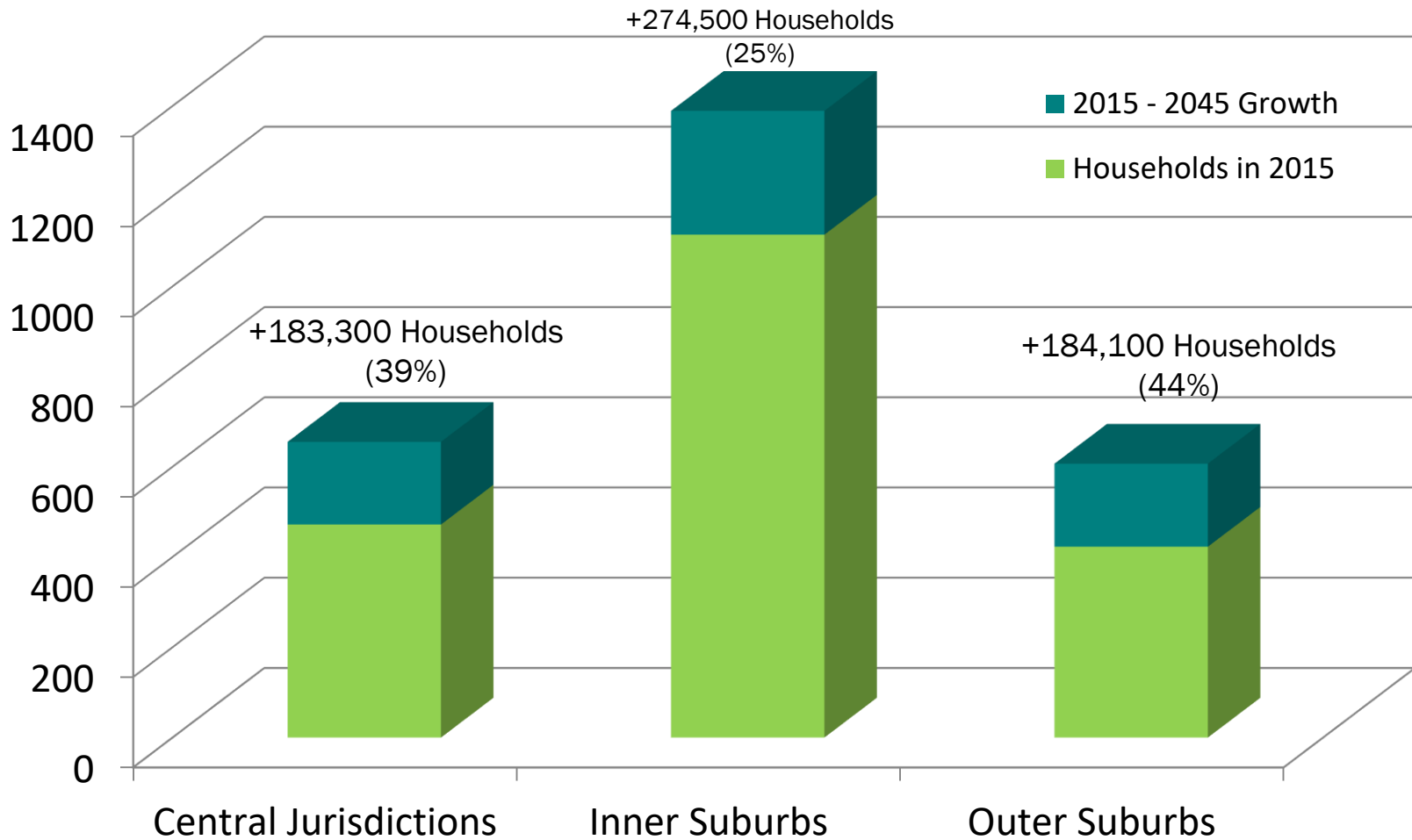
# Forecast Employment Growth, 2015 - 2045



# Forecast Population Growth, 2015 - 2045



# Forecast Household Growth, 2015 - 2045





# About COG

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- COG Board approved “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) on March 9
- Local jurisdictions submitted Round 9.0 forecasts by Transportation Analysis Zone (TAZ)
- Final approval and adoption by the COG Board in November 2016

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