Round 9.1 Cooperative Forecasts of Future Growth

Cooperative Forecasting and Data Subcommittee

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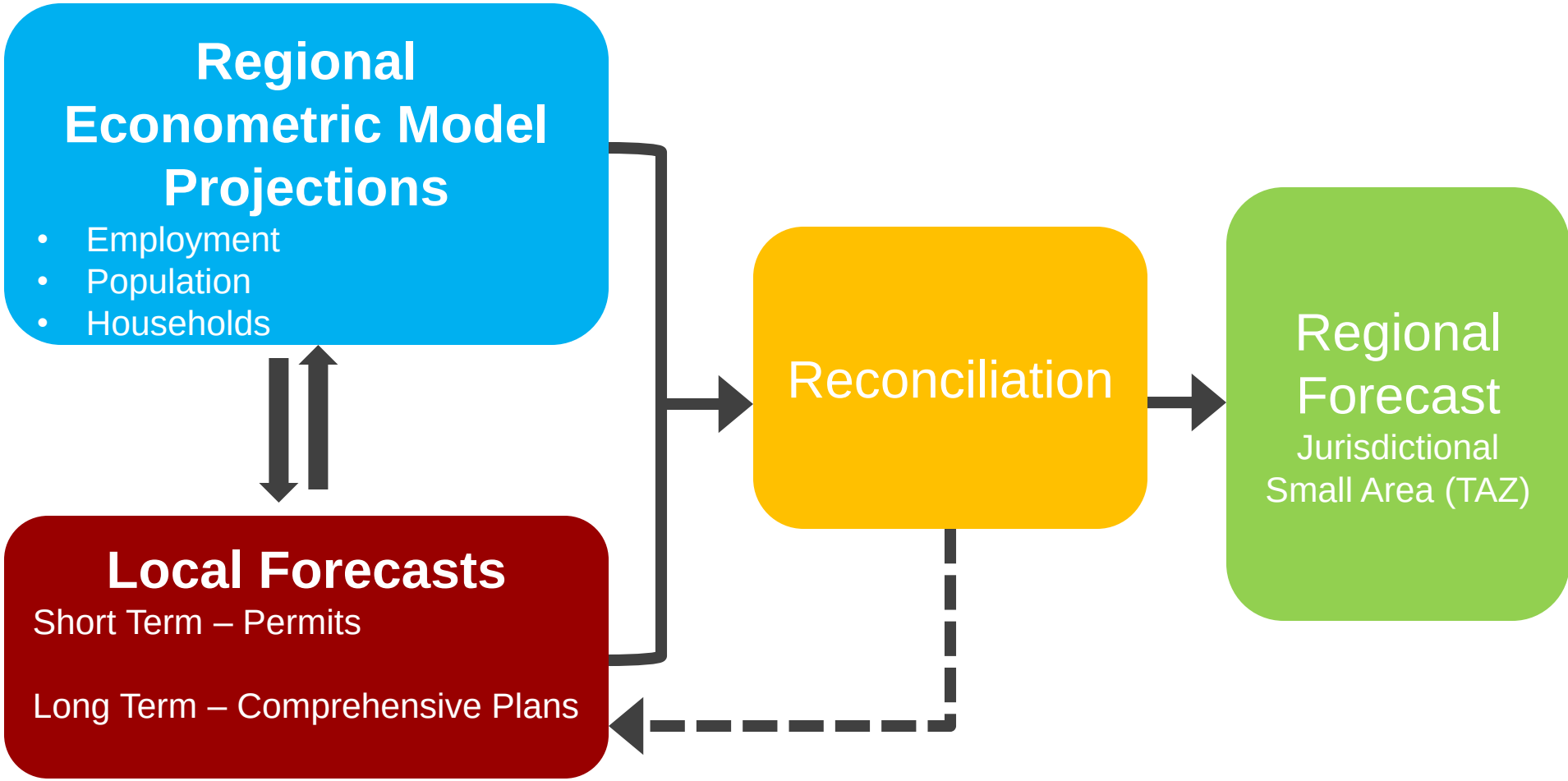
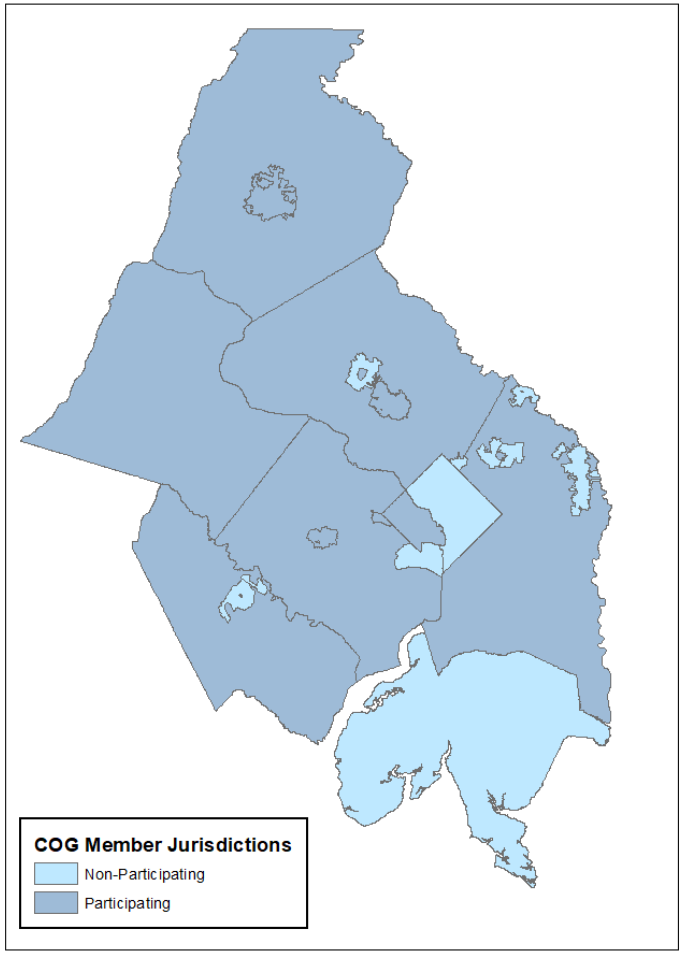
Council of Governments

Cooperative Forecasting Process



Round 9.1 Cooperative Forecasts Member Participation



Round 9.1 Econometric Model Results

28-Nov-17

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

	2015	2020	2025	2030	2035	2040	2045
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 9.1 INTERMEDIATE SCENARIO (thousands) - COG / TPB Planning Area

	2015	2020	2025	2030	2035	2040	2045
TOTAL JOBS	3,155.3	3,357.4	3,571.4	3,770.9	3,944.3	4,114.2	4,271.8
TOTAL POPULATION	5,387.4	5,691.4	5,976.3	6,249.1	6,497.4	6,712.3	6,925.8
TOTAL HOUSEHOLDS	2,010.8	2,132.4	2,254.0	2,374.4	2,477.0	2,565.3	2,660.1

COG / TPB Planning Area **Absolute and Percentage Difference between Draft Round 9.1 and the Round 9.0 Econometric Model (Draft Round 9.1 minus Model Results)**

	2015	2020	2025	2030	2035	2040	2045
TOTAL JOBS	9.1	-33.4	28.4	81.1	97.6	95.8	105.8
	0.3%	*-1.0%*	*0.8%*	*2.2%*	*2.5%*	*2.4%*	*2.5%*
TOTAL POPULATION	-99.2	-102.1	-67.3	-25.2	8.8	25.6	37.4
	-1.8%	*-1.8%*	*-1.1%*	*-0.4%*	*0.1%*	*0.4%*	*0.5%*
TOTAL HOUSEHOLDS	1.5	-13.8	-22.1	-25.9	-42.7	-77.4	-115.3
	0.1%	*-0.6%*	*-1.0%*	*-1.1%*	*-1.7%*	*-2.9%*	*-4.2%*

Summary of Round 9.1 Cooperative Forecasts

COG / TPB Planning Area

(Thousands)

			2015 to 2045	
	2015	2045	Number	Percent
Employment	3,155.3	4,271.8	1,116.6	35.4%
Population	5,387.4	6,925.8	1,538.4	28.6%
Households	2,010.8	2,660.1	649.3	32.3%

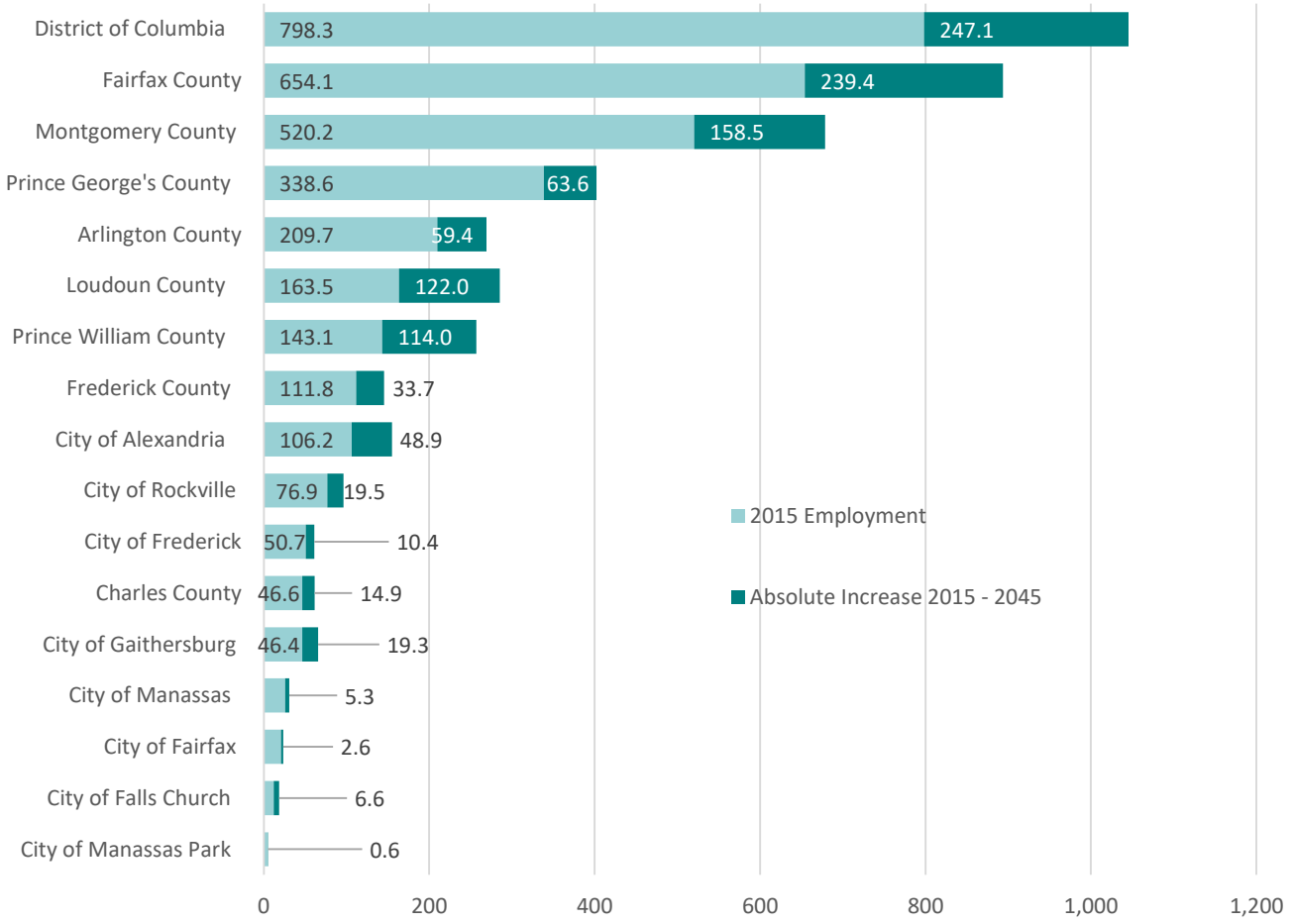
Change in 2045 Forecast from Round 9.0

COG / TPB Planning Area

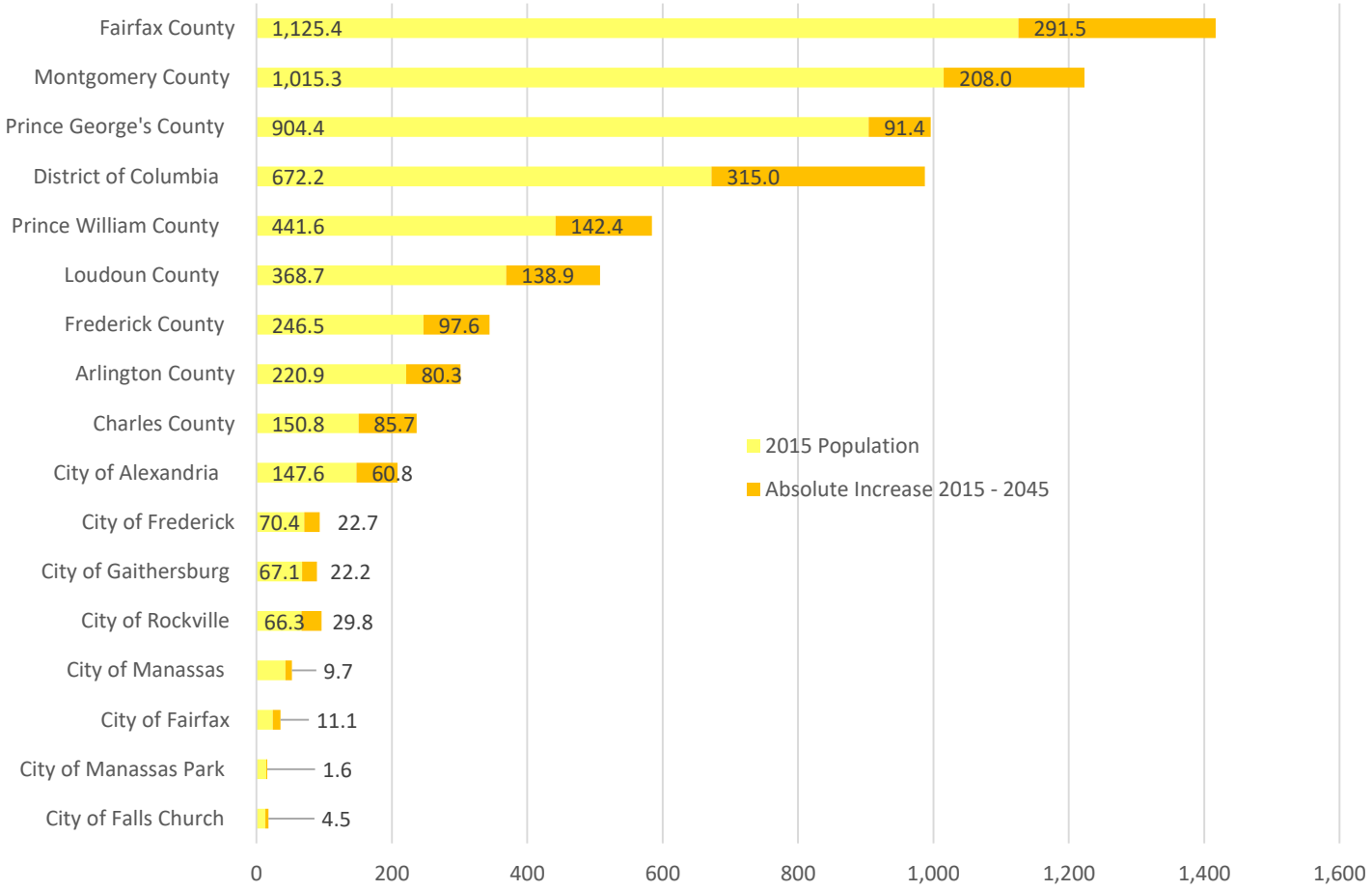
(Thousands)

	Round 9.0	Round 9.1	Number	Percent
Employment	4,291.2	4,271.8	-19.3	-0.5%
Population	6,876.0	6,925.8	49.8	0.7%
Households	2,651.3	2,660.1	8.8	0.3%

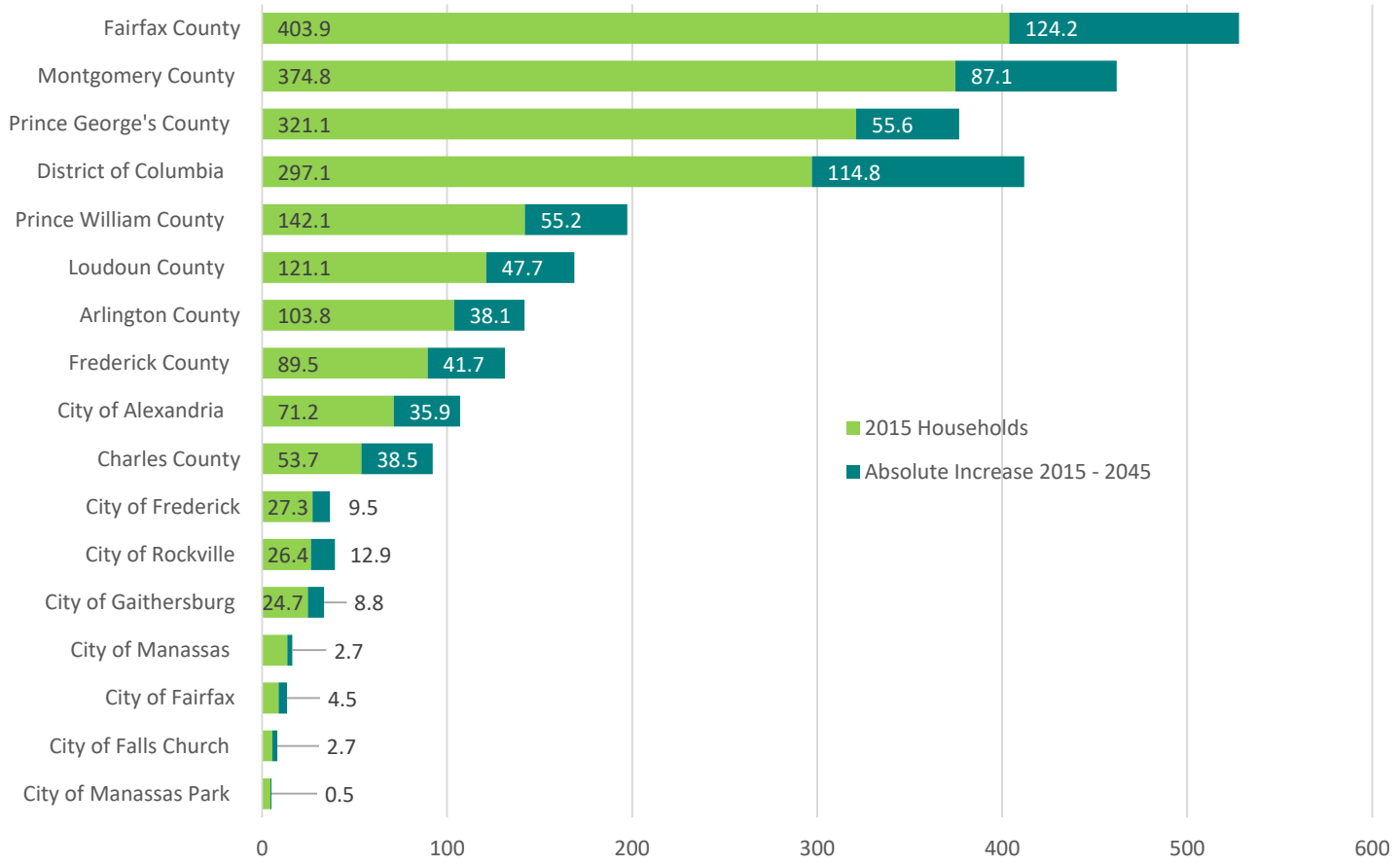
Employment 2015 - 2045



Population 2015 - 2045



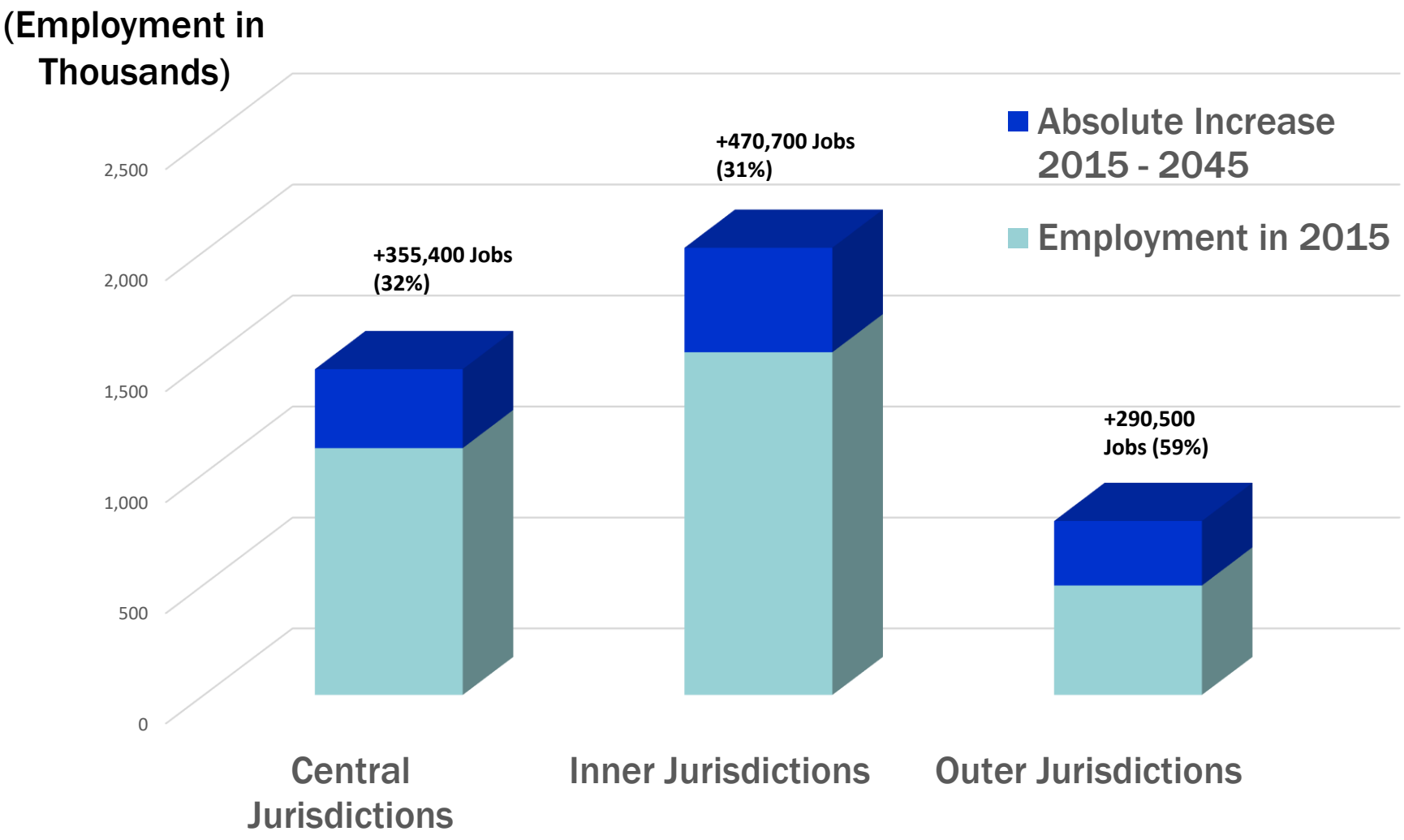
Households 2015 - 2045



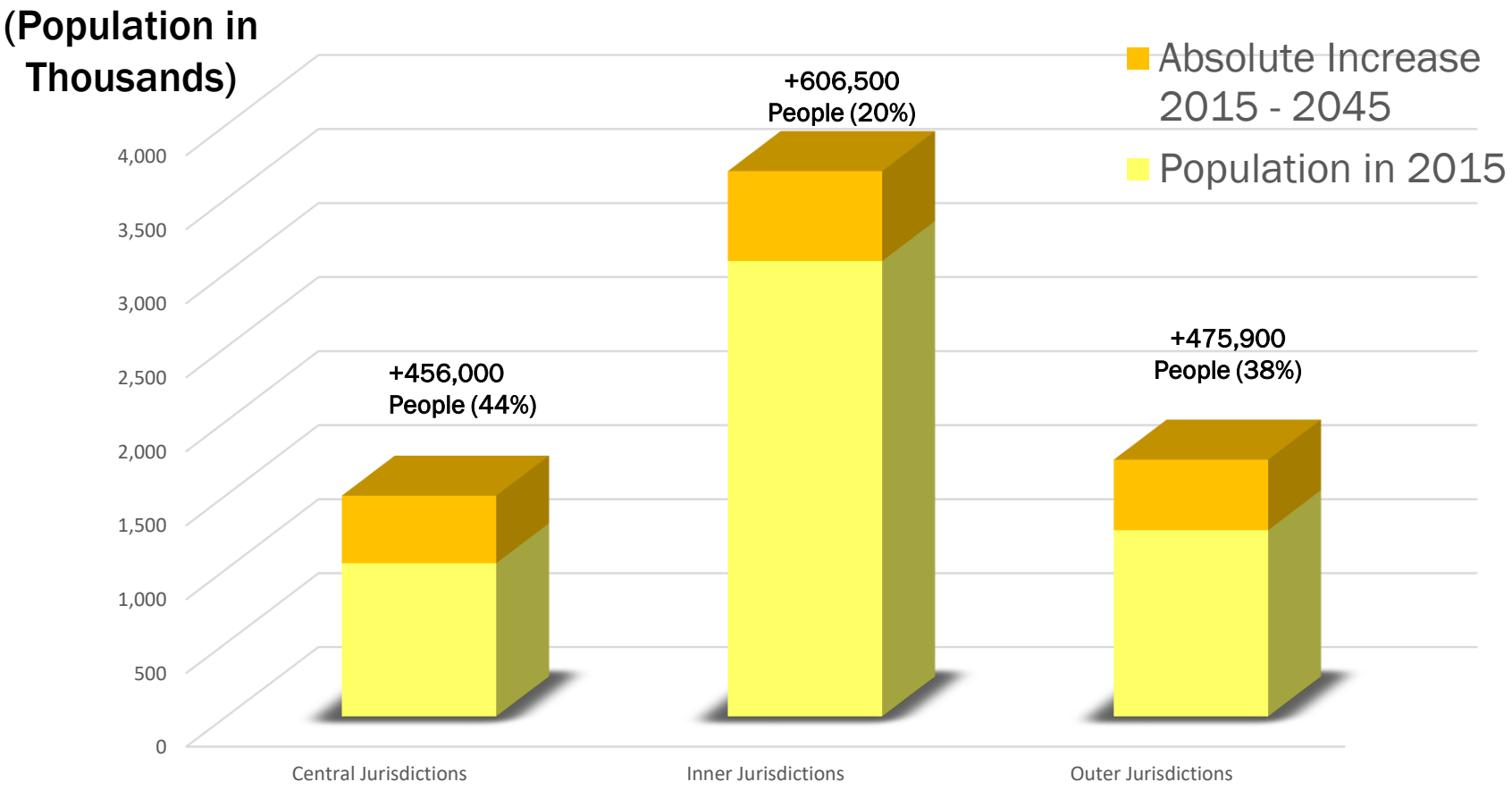
Forecasts for Jurisdictions in COG / TPB Planning Area Have Been Grouped Geographically for Analysis Purposes

Central Jurisdictions	Inner Suburbs	Outer Suburbs
• District of Columbia • Arlington • Alexandria	• Montgomery • Prince George's • Fairfax (County) • Fairfax (city) • Falls Church	• Loudoun • Prince William • Manassas • Manassas Park • Charles • Frederick County MD)

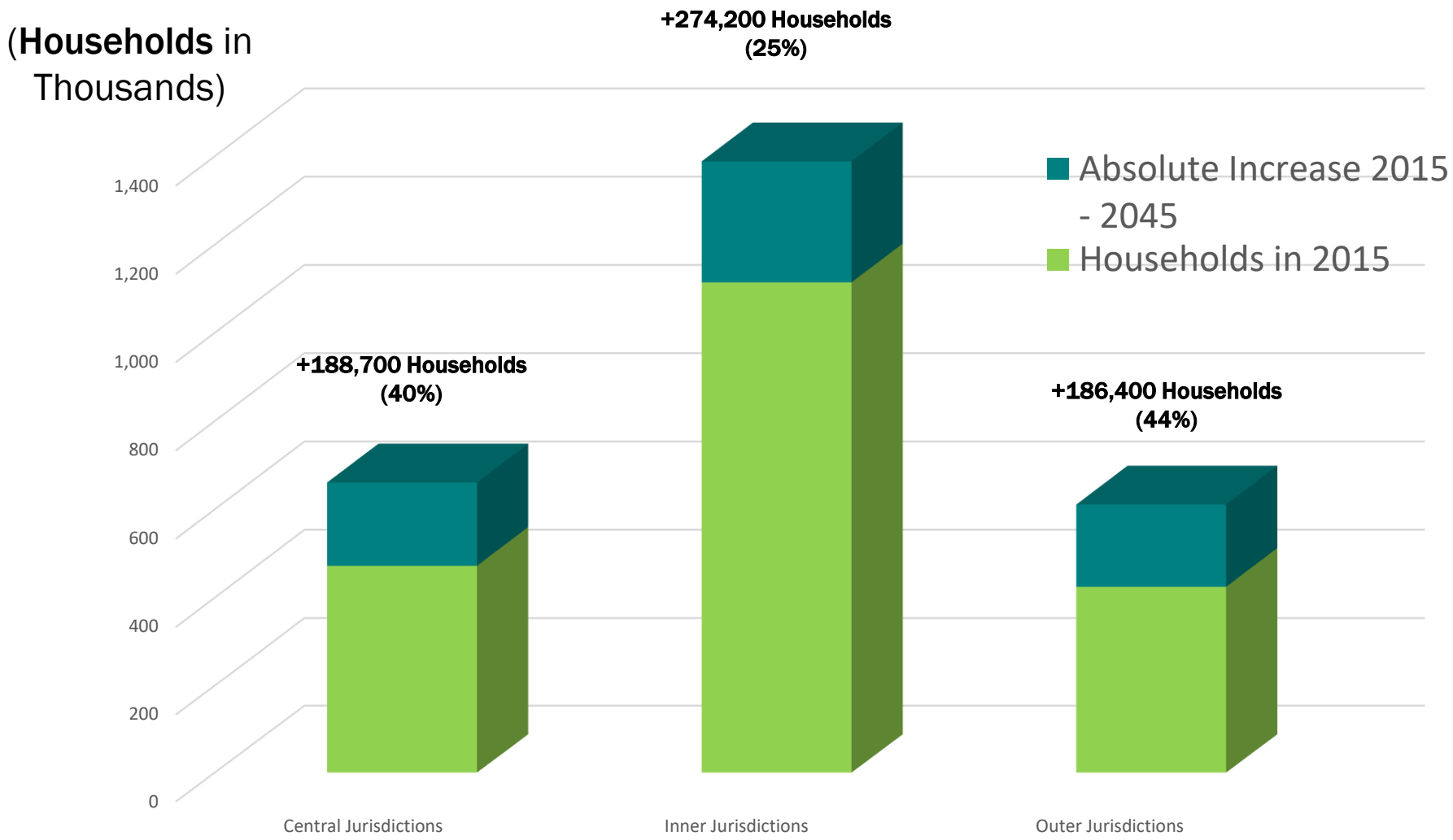
Forecast Employment Growth (2015 - 2045)



Forecast Population Growth (2015 - 2045)



Forecast Household Growth (2015 - 2045)



Next Steps

- Local jurisdictions submit Round 9.1 forecasts by Transportation Analysis Zone (TAZ) – by January 12, 2018
- COG Board will approve "Draft Round 9.1" for use in the Air Quality Conformity Analysis For Visualize 2045 and the FY 2019 – 2024 TIP – January 10, 2018
- Final approval and adoption by the COG Board – October/November 2018

Questions . . .