



Georgia's
State Water Plan

**MIDDLE CHATTAHOOCHE
REGIONAL WATER PLANNING COUNCIL**

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Population Projections and Water Demand Forecasting

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Background

- Prepared by Carl Vinson Institute of Government at University of Georgia in June 2019 for the Governor's Office of Planning and Budget (OPB)
- Based on data from 2013 to 2017
- Includes county estimates for all counties for each year between 2018 and 2035, then in five year intervals through 2062

Methodology: Cohort-Component

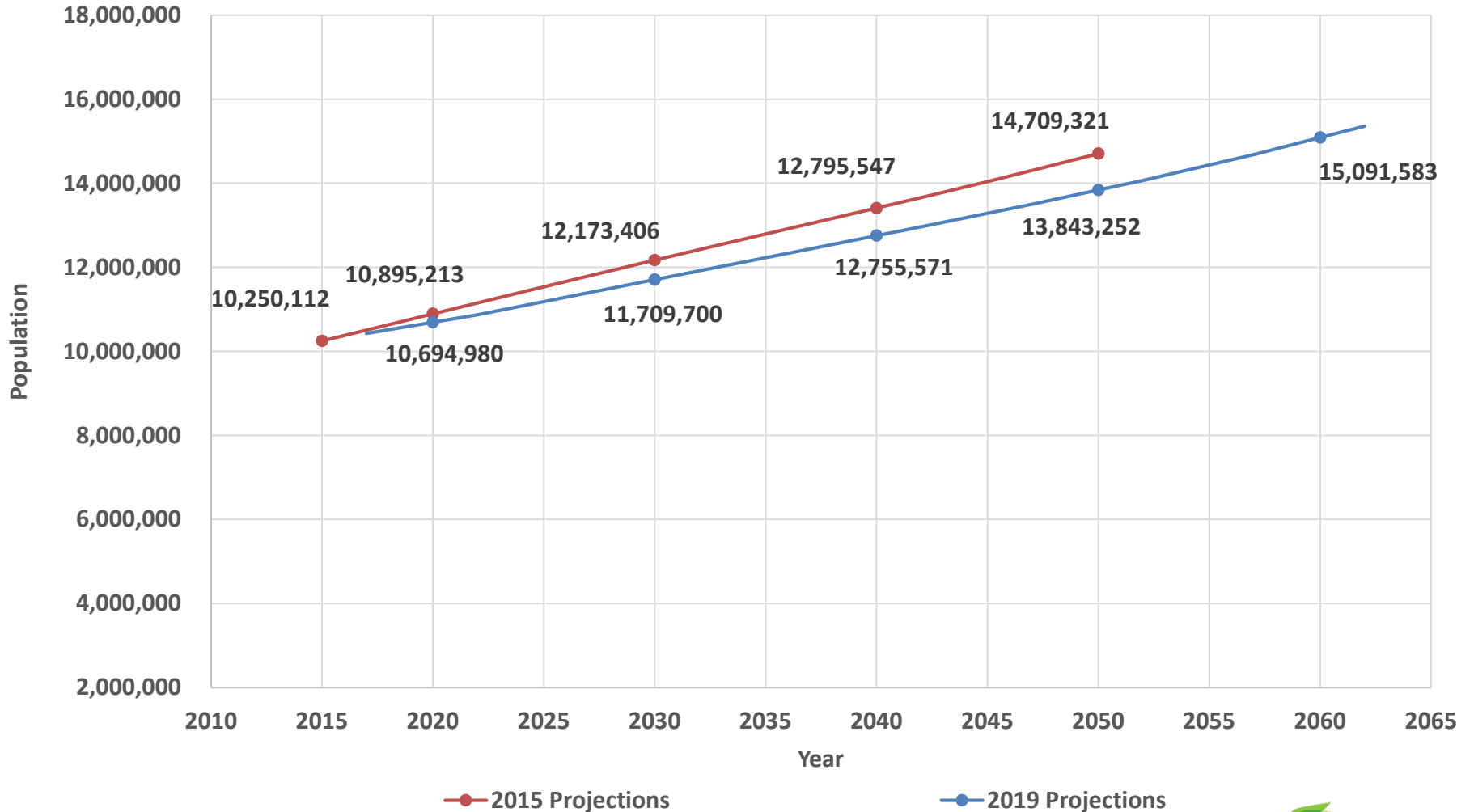


- Baseline cohorts drawn from years 2013 to 2017 of the US Census Bureau's Population Estimates program
- Previous census not used to capture post-recession trends

- Fertility rates: average birth counts per female household population
- Mortality rates: deaths per baseline population; life expectancy gradually increases in model
- Migration: Estimated based on migration for 2013-2017 and assumed rates will subside and stabilize

- County populations projected and summed for state projection
- Yearly estimates for 2018 to 2035, five-year interval estimates for 2035 to 2062

Statewide Projections

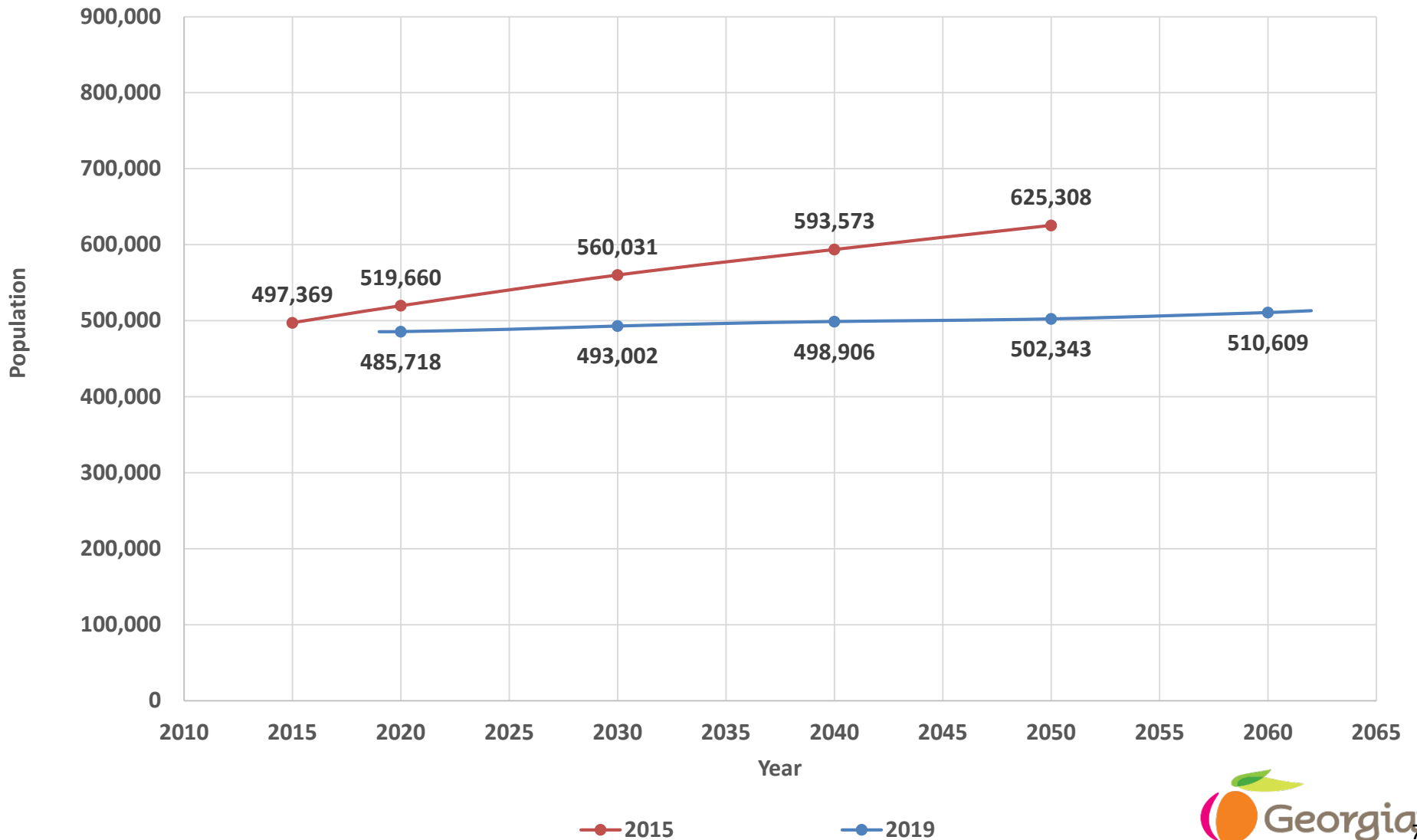


Note: Updated projections completed through 2062

2019 Population Projections in MCH

County	2020	2030	2040	2050	2060
Carroll	121,211	133,309	144,668	155,840	167,941
Chattahoochee	10,453	10,479	10,561	10,817	10,922
Clay	2,924	2,793	2,635	2,543	2,564
Haralson	30,149	33,383	36,541	39,651	42,997
Harris	34,514	37,068	39,313	41,485	44,352
Heard	11,939	12,643	13,110	13,461	13,948
Muscogee	188,902	175,382	162,987	148,876	136,816
Quitman	2,351	2,358	2,331	2,393	2,519
Randolph	6,932	6,633	6,301	6,075	6,089
Stewart	5,922	5,792	5,668	5,599	5,680
Troup	70,421	73,162	74,791	75,603	76,781
Total	485,718	493,002	498,906	502,343	510,609

MCH Population Projections Comparison



Next Steps

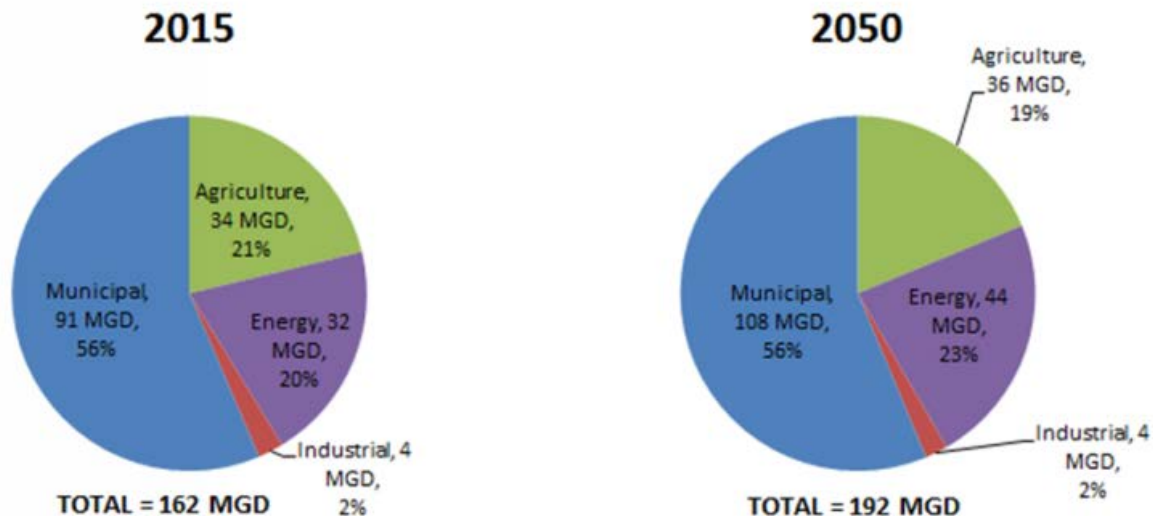
- Water demand and wastewater generation projection updates planned for 2020
 - Updated population projections
 - Updated per capita water demand rates
 - Updated wastewater flow data
- Methodology review meetings with water and wastewater permit holders

Review water and wastewater demand forecasts with Regional Water Councils

Next Steps

- Update water use forecasts beginning 2020
 - Municipal
 - Agricultural
 - Energy production
 - Industrial

Figure 4-3: Total Water Demand in 2015 and 2050



Note: Figure 4-3 from 2017 MCH Regional Water Plan