



SECTION 3

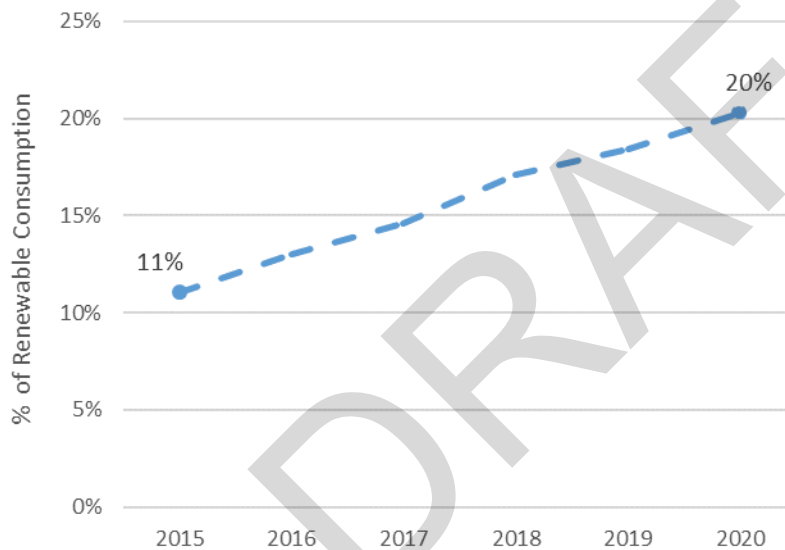
Increase Renewables

Outcome: Meet 20% of regional electricity consumption with power from renewable sources by 2020.

RENEWABLE ENERGY CONSUMPTION

Growth in overall regional renewable energy consumption is an important indicator to show progress towards the regional greenhouse gas emission (GHG) reduction goals. An analysis was conducted as part of the Multi-Sector Work Group project to estimate and project the potential growth of renewable energy consumption for the region. A summary of the results in Table 1 shows 11% of total regional energy consumption is from renewables in 2016, with a potential of reaching 20% by 2020.¹ COG and its members will continue to support actions to reach this potential.

Table 1: 2020 Outlook for Renewable Energy Consumption



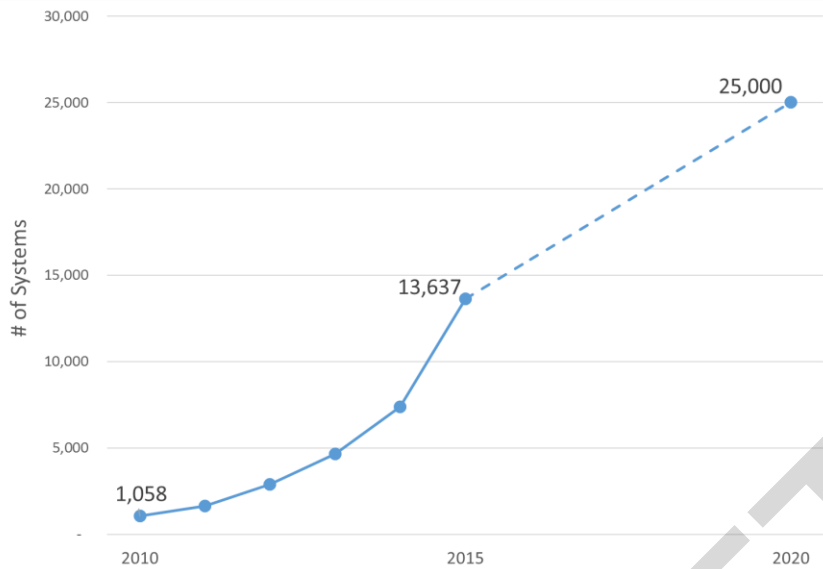
Source: Renewable Energy Supplemental Analysis

GRID CONNECTED RENEWABLES

Installation of grid-connected renewables support growth in overall renewable energy consumption. Table 2 on the next page shows the number of grid-connected solar and wind systems, according to data provided to COG by the region's electric utilities. As of 2015, region has 13,637 grid-connected solar and wind systems, with a total generating capacity of 132.2 megawatts. Distributed renewable energy deployment has been growing at a tremendous rate. If this rate of growth continues the region could have 25,000 or more grid-connected renewables by 2020.

¹ ICF International. (2016). *Multi-Sector Approach to Reducing Greenhouse Gas Emissions in the Metropolitan Washington Region: Renewable Energy Supplemental Analysis Technical Report*. Metropolitan Washington Council of Governments Washington D.C.

Table 2: 2020 Outlook for Grid-Connected Renewables



Source: COG Annual Utility Data Survey Analysis

LOCAL ACTIONS

Local government actions to support a continued increase in share of renewables are included in Table 1. The percent column refers to the level of implementation anticipated by COG member local jurisdictions by 2020.

Table 2: Local action to increase share of renewables

INCREASE RENEWABLES		%
1	Adopt a net zero energy plan, policies, or initiatives.	25%
2	Install renewable energy systems on local government property.	100%
3	Achieve and maintain EPA Green Power Partnership for government operations.	75%
4	Work with the community to achieve and maintain EPA Green Power Community Partnership.	50%
5	Adopt solar access, solar-ready, and similar ordinances to help facilitate local solar deployment.	75%
6	Provide or promote incentives for building-level renewable technologies and energy storage systems. Target opportunities to underserved communities.	100%
7	Facilitate and support establishment of cooperative community renewable systems and cooperative renewable energy purchasing.	75%
8	Increase public education and outreach on renewable technologies.	100%
9	Continue to support strong state-level renewable portfolio standards.	75%
10	Support expanded renewable energy incentives and financing mechanisms at utility, state, and national levels.	75%