In King County, energy use in buildings and facilities accounts for nearly half of local greenhouse gas (GHG) emissions. King County’s efforts in this goal area will:

- **Optimize energy efficiency**
- **Reduce GHG emissions**
- **Produce and/or consume renewable energy**

Energy accomplishments are the result of County government cross-agency efforts to identify and capture energy savings opportunities through equipment replacement and operational efficiencies. King County is also committed to being a community leader in promoting energy conservation and facilitating the region’s transition to a clean energy economy.

**King County Service Goal**

King County will encourage and assist residents and businesses with energy efficiency and renewable energy projects, in collaboration with energy utilities and other partners.

**Countywide Energy Use in Existing Buildings**

*King County and K4C Target:* Reduce energy use by 25% below 2012 levels by 2030

- **2012:** 139.1 Trillions of British Thermal Units
- **2015:** 130.2
- **2016:** 132.1
- **2030 Target:** 101.4

Decreases in energy use are occurring nearly on track with the long term 25% reduction target.

**Increase Solar Energy Generation by Residents and Businesses**

*King County and K4C Target:* Increase countywide renewable electricity use to 90% by 2030:

- phase out coal-fired electricity source by 2025;
- limit construction of new natural gas-based electricity power plants;
- support new renewable energy sources.

**2015 Utility Electricity Sources**

- **Puget Sound Energy:** 32.9% Renewable
- **Seattle City Light:** 92% Renewable

**Energy from Renewable Sources**

- **2012:** 70%
- **2015:** 59%
- **2030 Target:** 50%

*This target is also a pathway identified in the King County – Cities Climate Collaboration’s (K4C) Joint Commitments.*
King County will reduce energy use in County facilities and operations and will produce and consume more renewable energy.

**Normalized Energy Use at County Facilities**  
*Target:* King County will reduce normalized energy use in County owned facilities by at least five percent by 2020 and 10 percent by 2025, as compared to a baseline year of 2014.

King County is on track to exceed its 2020 energy efficiency target and has adopted a new working target that is 50% more aggressive.

**Amount of Renewable and Greenhouse Gas (GHG) Neutral Energy Produced and Consumed as Part of Government Operations**

*Target:* Produce renewable energy equal to 100 percent of total County government net energy requirements by 2017 and each year thereafter, excluding the public Transit fleet.

King County continues to produce more renewable energy than it uses, excluding the public transit fleet.

*Target:* King County government shall consume renewable energy equal to 70% of government operation facility energy consumption by 2020 and 85% by 2025.

King County entered an agreement to source a large amount of electricity from a new wind farm beginning in 2019 which will put the County on track to exceed its near term targets.

*Target:* By 2025, King County shall ensure all electricity supplied for its government operations is greenhouse gas neutral.

Percentage of Electricity Being Consumed in Government Operations that is GHG Neutral

In 2016 King County increased the amount of GHG neutral electricity it produced and consumed at the South Plant Wastewater Treatment Plant.