

Utility-owned Only (includes only utility-owned generation)

- **GHG intensity of utility-owned generation has remained relatively steady, as we are adding most new renewable generation through independent power producers.**
 - Most of the new renewable generation we are adding to our system is through contracts with independent power producers. The utility does not own those new renewable energy facilities; instead those facilities are owned by the independent power producer, who sells the renewable energy to the utility.
 - As an example of our renewable energy efforts, in March 2019 the Hawaii Public Utilities Commission approved our contracts with independent power producers for six grid-scale solar-plus-battery storage projects, the largest and lowest-cost portfolio of renewable energy resources to be assembled at one time in Hawaii. Together these six projects will add 247 megawatts (MW) of solar energy with almost 1 gigawatt hour of storage; combined they are capable of providing enough energy to power 105,000 homes per year and can eliminate the use of more than 48 million gallons of imported fossil fuels annually, significantly lowering greenhouse gas emissions.
 - As we add more renewable energy to our system, we have to run our existing plants differently, which makes them less efficient and slows the pace at which GHG intensity declines for those plants.

Utility-owned Only GHG Intensity
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