



ACHIEVING OUR TARGETS BY 2050

Building on the natural gas emissions reductions since 2006¹, the Climate Business Plan offers a framework to leverage science and innovation for continued GHG emissions reductions for End Use, Transmission and Distribution and Sourcing and Supply. The figure below illustrates the projected benefits for measures proposed in the Plan by 2032 and 2050.

| CLIMATE BUSINESS PLAN (2020-2050) | | 2032 | 2050 |
|--|---|------------|-------------|
| TOTAL End-Use REDUCTIONS | <ul style="list-style-type: none"> • Energy Efficiency (including Behavioral Programs and Gas Heat Pumps) • CHP and Distributed Energy Systems • Dual Fuel Systems (Hybrid Heating) • Emerging Technology and Offsets | 12% | 36% |
| TOTAL Distribution REDUCTIONS | <ul style="list-style-type: none"> • Second phase of PROJECTpipes • Advanced leak detection and response • Third-party damage prevention | 2% | 4% |
| TOTAL Sourcing and Supply REDUCTIONS | <ul style="list-style-type: none"> • Certified Gas Production (of geologic gas) and Transmission • Renewable Natural Gas (RNG) • Power-to-Gas and Hydrogen | 13% | 31% |
| SUB-TOTAL of Climate Business Plan REDUCTIONS | | 27% | 71% |
| Net EMISSIONS REDUCTION from natural gas achieved between 2006 - 2017 | | 27% | 27% |
| Net CHANGES in business as usual emissions after 2017 | | -3% | 2% |
| TOTAL REDUCTION in GHG Emissions against Business as Usual | | 50% | 100% |

¹ <https://doee.dc.gov/service/greenhouse-gas-inventories>