



# Climate Change Statement

Updated April 2019

We believe that GE is uniquely positioned to contribute to efforts to reduce greenhouse gas emissions. As the company that has led the way in innovation for over a century, GE can deliver technology for the world to meet the emissions reduction targets called for by the 2015 Paris Agreement and achieve the long-term goal of sustainable development.

With a global installed base of almost 70,000 aircraft engines, more than 7,000 gas turbines, more than 40,000 onshore wind turbines and more than 4 million healthcare systems, GE products and services improve lives, protect the environment, and give our customers world class and efficient solutions.

We also lead by example—reducing our greenhouse gas emissions by 23% and freshwater use by 18% since 2011\*—as part of our longstanding commitment to environmental stewardship, human rights, and a culture of integrity and compliance.

## **GE Provides Clean, Energy Efficient, Cost Effective, Technology Solutions for Customers**

Meeting the targets of the Paris Agreement will require investment in new and upgraded technologies. To address this challenge, GE continues to invest in R&D and provides a diverse and evolving range of products that enables sustainable economic development for all communities.


GE offers zero-emission renewable and nuclear energy options to reduce carbon emissions, while also promoting the integration of the world's most efficient natural gas technologies. Together, these technologies deliver safe, clean, reliable and cost-effective electricity. We also work closely with our customers to evaluate opportunities to upgrade existing power generation units or replace less efficient energy sources (e.g., diesel, wood, etc.) with efficient, state of the art coal-powered generation where the circumstances warrant. GE technology will enable the ultimate transformation to a carbon-free energy economy.

*We have reduced our greenhouse gas emissions by 23% and our freshwater use by 18% since 2011.\**

*GE provides clean, energy efficient, cost effective, technology solutions for customers.*

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\*Reductions through 2018

# Climate Change Statement cont'd

A few examples include:

- Reservoir Energy Storage - GE's Reservoir is a flexible, compact energy storage platform for the grid. As clean but variable power sources like wind and solar start to become a larger part of the energy matrix, energy storage can help keep the grid in balance and increase power availability. The fundamental building block for the platform is the 1.2-megawatt, 4 megawatt-hour Reservoir storage unit, which enables up to 15% longer battery lifecycle than previous systems and holds enough energy to provide power to a community of 120 homes for an entire day.
- Haliade-X 12-megawatt turbine will be capable of powering 16,000 homes and producing 67 gigawatt-hours per year, based on wind conditions of a typical German North Sea site. That represents 45% more energy than any other offshore wind turbine available today.
- GE9x Engine - The GE9X jet engine will power Boeing's long-range 777X and be the largest aircraft engine ever produced. It is designed to generate 10% less CO2 greenhouse gas emissions and 45% less smog-causing emissions than the GE90-115B engine it replaces. GE is a strong advocate for the first international greenhouse gas standards for aircraft.

## GE is Committed to Reducing our Environmental Footprint

GE walks the talk in our commitment to environmental stewardship. This includes our actions with respect to our own operations and decisions affecting investments and commercial deals.

GE's EHS Policy, incorporated in GE's Spirit and Letter, requires that we drive continuous improvement in our environmental performance. We are proud that we have reduced our greenhouse gas emissions by 23% and our freshwater use by 18% since 2011.\* A summary of GE's broader environmental program is available [here](#).

GE assesses environmental, social and governance (ESG) risks as part of our commercial due diligence process. GE takes seriously the potential negative environmental impact, displacement of people, political disruption, and/or human rights concerns that may exist where we do business, and takes appropriate steps to identify and manage any risks, which may include a decision not to proceed to contract.

## GE Supports Policies That Reduce Greenhouse Gas Emissions and Promote Sustainable Development

GE supports the science and goals expressed in the Paris Agreement and the United Nations Framework Convention on Climate Change.

To achieve those goals, GE supports policies that:

- Reduce greenhouse gas emissions, while also ensuring a reliable, safe energy supply;
- Encourage early adoption of cleaner technologies and energy efficiency;
- Reward R&D, innovation, and private risk taking;
- Encourage the free flow of goods and ideas consistent with the principles of the World Trade organization;
- Reflect national and local circumstances; and
- Set realistic timelines for reduction efforts with periodic reviews as knowledge of the science evolves and technology improves.

GE also supports sustainable development goals alongside climate change policies. As former UN Secretary-General Ban Ki-moon explained when speaking of his Sustainable Energy for All initiative:

*Without access to modern energy, it is not possible to achieve the Millennium Development Goals, the eight-point global agenda adopted by the United Nations in 2000—whether reducing poverty, improving women's and children's health, or broadening the reach of education. Energy facilitates social and economic development, offering opportunity for improved lives and economic progress.*

To achieve these goals and improve lives, GE supports strong energy infrastructure with a mix of conventional and renewable energy. As discussed above, it is important to: encourage the use of renewable and nuclear energy to reduce carbon emissions; promote the integration of natural gas technologies with renewables, which assures the required reliable and flexible generation of electricity; and support opportunities to replace less efficient energy sources with efficient, state of the art coal generation where the circumstances warrant.

