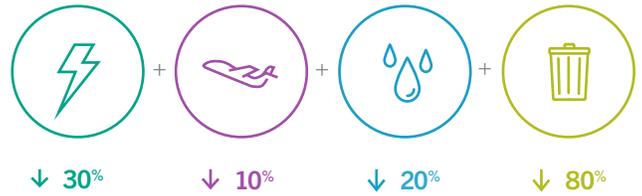


ENVIRONMENTAL SUSTAINABILITY AT GENENTECH

At Genentech, we apply the same science-based approach to environmental sustainability as we do to creating medicines for people with serious illnesses. The small advances we make every day to reduce our footprint, the bold risks we take in testing new technologies, and even the setbacks we encounter, all build toward a positive impact on the resources we use and the spaces where we work.

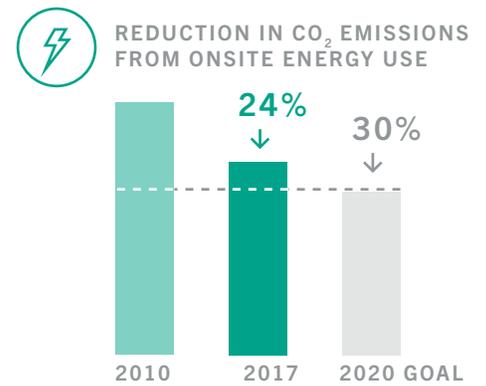
2020 Goals

In 2015, we launched a new set of goals for our SSF campus on the heels of our achievements during the previous 5 years. These goals, to be achieved by 2020 relative to our 2010 performance, reflect an evolution in our approach – they more fully capture our environmental footprint and take into consideration science-based models for goal setting that have emerged since we set our last goals.



Energy

We're targeting a **30%** absolute reduction in CO₂ emissions from our onsite energy use, compared to 2010 levels. This goal aligns with science-based methods for goal setting, and in setting the goal, we have been mindful of the significant reductions that climate scientists suggest are necessary in order to limit the adverse impacts of climate change. In 2017, CO₂ emissions from our onsite energy use were **9%** lower than in 2016 and **24%** lower than in 2010, putting us on track to meet our 2020 goal. Reductions in 2017 resulted from a **2%** decrease in total energy use and a new electricity supply contract. Thanks to this new contract, **50%** of our 2017 purchased electricity was generated from renewable, zero carbon sources, with **30%** coming from wind and solar resources and **20%** from large scale hydro-power.



Transportation

We're targeting a **10%** reduction in CO₂ from our transportation activities, compared to 2010 levels. Transportation activities include commute, air travel and our commercial sales fleet. Emissions from our transportation activities have decreased by **13%** since 2010 and we are working on a number of initiatives designed to reduce our transportation impacts, including through our award winning gRide commute program, fleet fuel efficiency improvements and air travel reduction.



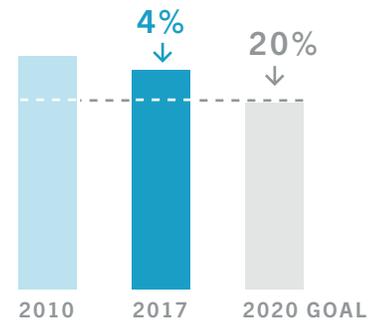
While we will continue to implement energy efficiency projects in order to reduce our CO₂ emissions, we are also taking steps to increase our use of cleaner sources of energy for both transportation and onsite energy use. We are a signatory to the WWF/WRI Renewable Energy Buyers Principles and are working on a number of fronts to both increase our onsite generation of renewable energy and to procure renewable energy from offsite sources.

Water

We have established an ambitious goal of **20%** overall water reduction by 2020 compared to our usage levels in 2010. Having experienced an increase in total water use between 2010 and 2014 due to growth of our campus operations, our total 2017 water use was **4%** less than 2010 - that's a saving of 34 million gallons in just three years. Manufacturing is the biggest contributor to our total water use, so even a small percent savings can yield significant reduction in usage. In 2017, a **4%** reduction in manufacturing water use led to an absolute reduction of almost 10 million gallons, when compared to 2016.



REDUCTION IN POTABLE WATER USE



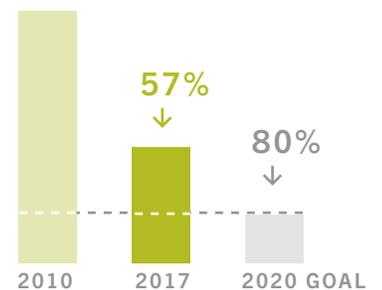
Water is a precious resource, particularly in drought-vulnerable California where Genentech is headquartered. We have an important responsibility to do what we can to reduce our use of potable water and our 2020 goal is helping to drive meaningful water conservation projects. Some of these projects include internal treatment and reuse of wastewater streams in our cooling towers and boilers, and the implementation of a greywater reuse system. All new construction projects will include purple pipes, to carry recycled water for non-potable use. We are members of the CERES Connect the Drops campaign in support of more sustainable management of water resources in California.

Waste

We aim to achieve at least **80%** reduction of waste to landfill per employee relative to our 2010 levels by 2020. Seven years into our 10 year goal period, we have decreased landfill per employee by **57%** and total landfill by **52%**, diverting a total of 15.6 million pounds from landfill since 2010. In 2017, we expanded compost collections to all non-warehouse buildings and started a rigorous food waste reduction campaign. We are actively evaluating alternative options for our lab plastics recycling program to address recent changes in the plastic recycling market.



REDUCTION IN WASTE TO LANDFILL PER EMPLOYEE



We believe our goal can be met by thinking creatively about waste as a resource, expanding our internal materials re-use programs, partnering with our catering vendors and employees to minimize food wastes, engaging suppliers to reduce incoming packaging, and facilitating correct sorting by employees. These are all initiatives our employees are passionate about and we are excited to roll them out.



GREEN BIOPHARMA

Our science-based approach to sustainability is evident in our Green BioPharma program, which focuses on the environmental impact within our labs. Every day, we embed sustainability into our scientific work. Our employees' efforts in this program are creating recycling initiatives for non-standard materials, sourcing more environmentally-friendly chemicals and reducing our energy consumption.



GREEN GENES

Promoting green practices is a goal our employees live by every day. They are the force behind every initiative, big and small, to create a better future for the communities where we live and work. Established in 2004, Green Genes is our largest employee club and has increased each year through the growing interest and awareness of our employees and as of the end of 2017 it had more than **4,000 members**.

Green Genes partners with senior leadership through our Sustainability Council to help develop and assess environmentally-friendly policies and practices. Additionally, Genentech hosts events and supports the implementation of a wide range of environmentally-related projects at Genentech sites, including a two-year challenge to reduce energy, water and waste by 20 percent in two years in five buildings, through the USGBC Best Buildings Challenge.