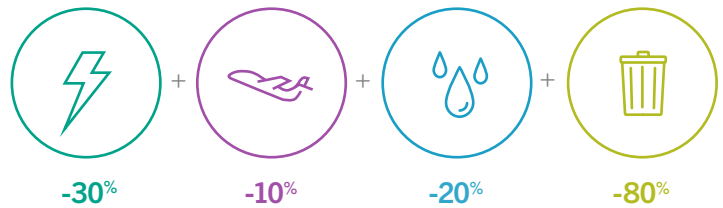


# ENVIRONMENTAL SUSTAINABILITY AT GENENTECH

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.

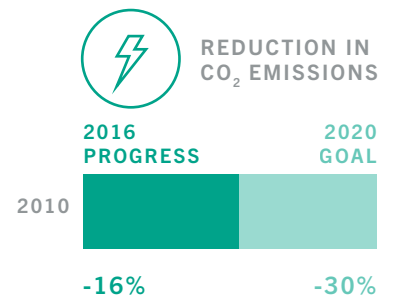
## 2020 Goals

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.



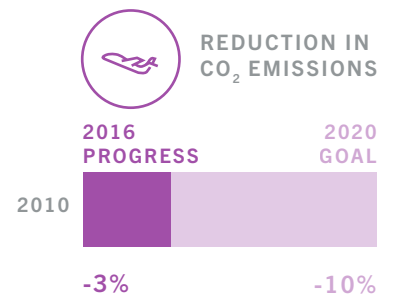
## Energy

We're targeting a **30%** absolute reduction in CO<sub>2</sub> 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 2016 CO<sub>2</sub> emissions from our onsite energy use were **16%** lower than in 2010, putting us on track to meet our 2020 goal. This reduction is driven by an 11% decrease in our total energy use combined with a greening of our purchased electricity over this period.



## Transportation

We are also targeting a **10%** reduction in CO<sub>2</sub> from our transportation activities, compared to 2010 levels. Transportation activities include commute, air travel and our commercial sales fleet. In combination, emissions from commuting and our sales fleet have decreased by **25%** since 2010 thanks to our gRide commute program and efforts to increase the fuel efficiency of the sales fleet. However, these gains have unfortunately been partially offset by an increase in air travel over this period. Reversing the upward trend in air travel is a high priority for our program, and will be necessary for us to meet our 10% reduction goal by 2020.



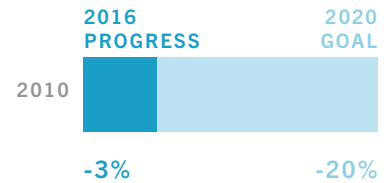
While we will continue to implement energy efficiency projects in order to reduce our CO<sub>2</sub> emissions, we are also setting our sights on cleaner sources of energy. We are a signatory to the WWF/WRI Renewable Energy Buyers Principles and are working on a number of fronts to both increase our 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, we turned a corner in 2015 and our total 2016 water use was **3%** less than 2010 - that's a saving of 29 million gallons in just two years. We have had particular success in limiting our irrigation water usage and using reverse osmosis reject water in our cooling towers, thereby reducing the amount of potable water used.



REDUCTION IN POTABLE WATER USE



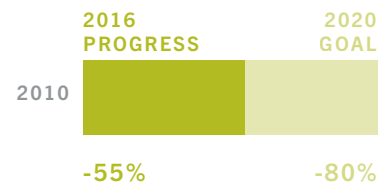
Genentech is headquartered in California where drought conditions reached an unprecedented level over the last few years. We have an important responsibility to do what we can to reduce our use of potable water and our 2020 goal is helping to drive meaningful water conservation projects. Some of these 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. During 2015, we joined 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. Six years into the goal period, we are well over half way towards our goal, having reduced landfill per employee by **55%**. This means that in 2016, the amount of waste we sent to the landfill was 3 million pounds less than in 2010.



REDUCTION IN WASTE TO LANDFILL PER EMPLOYEE



We believe our goal can be met by expanding compost collection to all buildings and expanding lab plastic recycling. These are all initiatives our employees are passionate about and we are excited to roll them out across our campus.



## 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 2016 it had almost **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.