

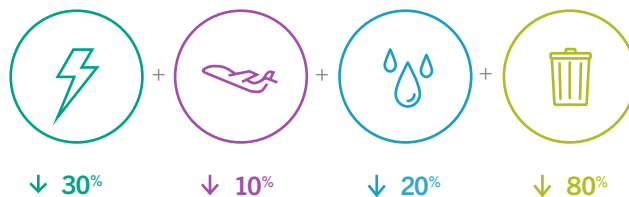
# ENVIRONMENTAL SUSTAINABILITY AT GENENTECH

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.

**Genentech**  
A Member of the Roche Group

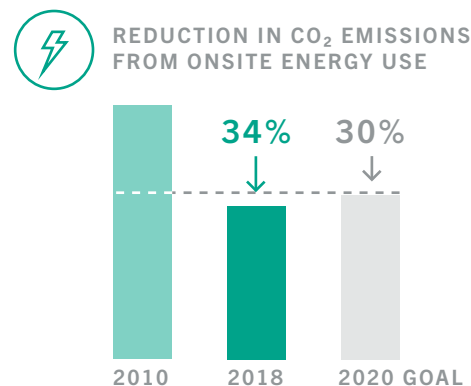
## 2020 Goals

In 2015, we launched a new set of sustainability goals for our South San Francisco 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. The four areas of focus are: Energy, Transportation, Water and Waste.



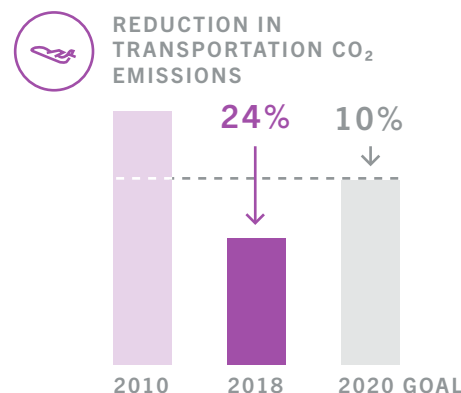
## Energy

By 2020 our goal is to reduce CO<sub>2</sub> emissions from our onsite energy use by **30%** compared to 2010. This goal was set in alignment with the significant reductions that climate scientists indicate are necessary to limit the adverse impacts of climate change. We are currently ahead of this goal, with **34%** lower CO<sub>2</sub> emissions since 2010, as a result of continued reduction in energy use, a new onsite solar installation (one of the largest in the Bay Area) and an increase in the use of clean energy. In 2018, **65%** of the electricity we used was generated from renewable, zero carbon sources including solar, wind, and hydropower.



## Transportation

Our 2020 goal is to reduce CO<sub>2</sub> emissions from transportation activities by **10%**. At Genentech, transportation activities include commuting, air travel and our commercial sales fleet. Emissions from these activities have decreased by **24%** since 2010, and we are implementing a number of initiatives designed to reduce transportation impact, such as adding electric buses to our gRide commute program, fleet fuel efficiency improvements and steps to raise employee awareness about their collective and individual air travel impacts.



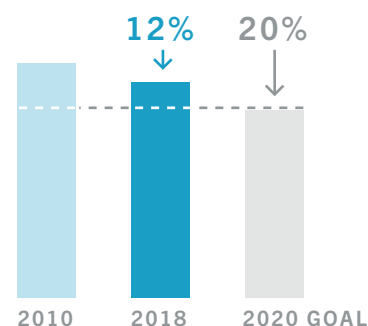
While we will continue to implement energy efficiency projects in order to reduce our CO<sub>2</sub> emissions, we are also taking steps to increase our use of cleaner sources of energy for both transportation and onsite energy use. We are a signatory to the Corporate Renewable Energy Buyers Principles 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

At our South San Francisco headquarters, manufacturing is the biggest contributor to our total water use. By 2020, our goal is to reduce total water use by 20% compared to 2010. In 2018, we used 20 million gallons less water in our South San Francisco manufacturing buildings, partially driven by a large increase in our use of internally recycled water.



### REDUCTION IN POTABLE WATER USE



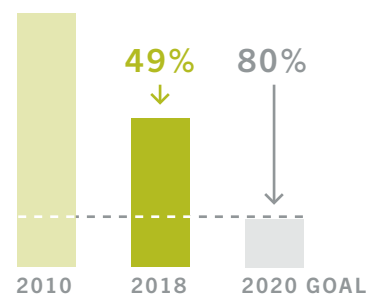
Water is a precious resource, particularly in drought-vulnerable California where Genentech is headquartered. We have a responsibility to do what we can to reduce our use of potable water and our 2020 goal is helping to drive meaningful water conservation projects. Some of these projects include purple pipes, anticipating the future availability of 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

By 2020, our goal is to achieve an **80%** reduction in waste to landfill per employee compared to 2010. Despite a significant shift in the international plastics recycling market, we have succeeded in reducing waste to landfill per employee by almost **50%** since 2010. In 2018, our efforts included engagement with our internal teams and onsite vendors to reduce food waste, and new infrastructure to improve employee sorting. We successfully diverted 4 million pounds of compostable material and 4.5 million pounds of recyclables in 2018.



### REDUCTION IN WASTE TO LANDFILL PER EMPLOYEE



We face some challenges in meeting our 2020 waste to landfill reduction goal, but are thinking creatively about waste as a resource - expanding our internal materials re-use program, partnering and engaging suppliers to reduce incoming packaging. We are also collaborating with other companies in the Bay Area on zero waste opportunities, including through our involvement in the Business Council for Climate Change Zero Waste working group.



### 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. At the end of 2018, it had nearly **4,000 members**.

Green Genes partners with senior leadership through our Sustainability Council to help develop and assess environmentally-friendly policies and practices. We also offer a variety of learning and engagement opportunities for Green Genes members such as themed months to learn about a specific subject, becoming a Green Guide to be a sustainability resource for colleagues or team leadership roles for a topic of interest aligned to our focus areas of energy, transportation, water and waste.