



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.

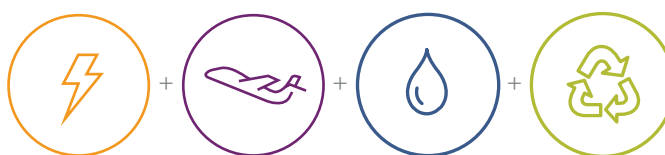
2009-2014 Goals



-15% **-10%** **-50%**

In 2011, we set five-year environmental sustainability goals for our South San Francisco Campus around energy, water and waste relative to our 2009 performance. We have made meaningful progress so far, completing our 2014 goals, and we are proud of the momentum we've built.

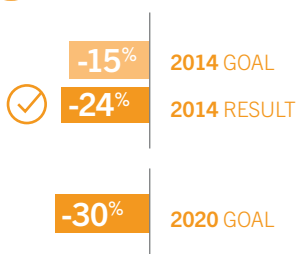
2020 Goals



-30% **-10%** **-20%** **-80%**

Recognizing there is still work to be done, we are excited to launch a new set of goals for our SSF campus on the heels of our achievements to date. These new goals, to be achieved by 2020 relative to our 2010 performance, reflect an evolution in our approach—they more fully capture our overall environmental footprint and take into consideration science-based models for goal setting that have emerged since we set our last goals. Our hope is that our new targets will continue to drive our sustainability mindset and culture.

Energy



Our recent five-year goal, completed in 2014, was to reduce our onsite energy use per employee by **15%**. In five years, we achieved a **24%** reduction compared to 2009.

For our new 2020 goals, we're targeting a **30%** absolute reduction in CO₂ emissions from our onsite energy use, compared to 2010 levels. This new goal targets absolute, rather than normalized reductions. This evolution in our approach aligns with science-based methods for goal setting, and in setting our CO₂ goals, we have been mindful of the significant reductions that climate scientists say are necessary in order to limit the adverse impacts of climate change.

Transportation

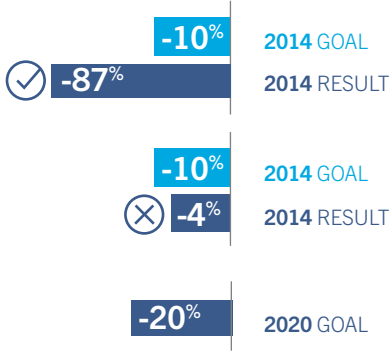
-10% 2020 GOAL

For our new 2020 goals, we are broadening the scope of our goals to also target a **10%** reduction in CO₂ from our transportation activities, compared to 2010 levels. Transportation activities include commute, air travel and our commercial sales fleet. Our efforts to reach this goal will build upon the success of our gRide commuter program, which has already reached 100 million miles, reducing CO₂ emissions from employees commuting by more than 70 million pounds.



Switching from an energy use reduction goal to a CO₂ reduction goal is more reflective of our actual environmental impact and will capture not only our ongoing energy efficiency activities, but also our efforts to expand our use of renewable energy. To reduce our CO₂ emissions, we plan to bolster our portfolio of efficiency projects and increase the onsite production and offsite purchase of electricity from renewable sources.

Water



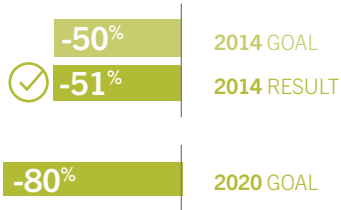
Our recent five-year goals, completed in 2014, were to reduce our manufacturing water use by **10%** per kg of product from 2009 levels and to reduce total non-manufacturing water by **10%** over the same period. In five years, we've made great progress in improving our water efficiency in our manufacturing facilities, which account for 60% of the SSF campus' total water use. By 2014, we've reduced our manufacturing water use by **87%** per kg of product compared to 2009. We unfortunately did not meet our non-manufacturing water reduction goal, although we did achieve a **4%** reduction and had significant success in some areas, including a 25% reduction in irrigation usage between 2013 and 2014, despite the dry weather over this period.

For our new 2020 goals, we've established a goal of **20%** overall water reduction by 2020 compared to 2010 levels.



While we have made progress in water efficiency, our total water use did increase over the period of our 5 year goals, driven by a significant increase in our manufacturing operations. Given our business growth, our new absolute water reduction goal is ambitious, and deliberately so. As we are located in California which is facing unprecedented drought conditions, we have an important responsibility to do what we can to reduce our use of potable water and we expect our new goal to help drive meaningful water conservation projects over the next few years. 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.

Waste



Our five-year goal, set in 2009, was to reduce our waste to landfill per employee by **50%** compared with 2009 levels. In five years we achieved a **51%** reduction compared to 2009.

For our new 2020 goals we aim to achieve at least **80%** reduction of waste to landfill per employee relative to our 2010 levels.



We believe this 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 create recycling initiatives for non-standard materials, source more environmentally-friendly chemicals and reduce our energy consumption.

Green Genes

Promoting green practices is a goal our employees live 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 today it has **almost 3,000 members**. Green Genes

partners with senior leadership through our Sustainability Council to help develop and assess environmentally-friendly policies and practices, host events and support 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.