



# Our Environment

Qualcomm's Sustainability Initiatives

**At Qualcomm, sustainability is a core business value.** As we expand globally, we continue to be an industry leader in energy conservation and climate protection. Qualcomm is committed to growing our operations while consciously minimizing our carbon footprint, conserving water and reducing our waste.



## 2009 HIGHLIGHTS



### Energy Efficiency & Cost Savings

Our energy efficiency investments have saved more than 22.5 million kilowatt hours of electricity annually, valued at over \$2.92 million savings.



### Water Conservation & Reuse

17.8 million gallons of water saved annually through conservation efforts.



### Green Cleaning

Reduced number of cleaning products used from 29 to 4 and generated a \$2.2 million year over year savings for Qualcomm.



### Sustainable Kitchen Practices

Served 22,000 lbs organic line-caught salmon, 55,000 lbs organic hormone-free chicken, 15,000 lbs organic vegetables and 8,500 lbs organic lettuces.



### Recycling & E-waste

1.4 million pounds of total recycled materials and recycled 77 percent of our hazardous waste.

Qualcomm is committed to protecting and enhancing our environment. As a Company, we consistently strive to minimize hazardous materials and reduce consumption of our natural resources. Using education and administrative controls, we continuously assess our processes and practices to identify opportunities for reducing energy, waste and toxic emissions. We have implemented best management practices and engineering controls to reduce the risk of chemical spills. As a result of the prevention measures implemented, Qualcomm experienced no significant spills last year. During 2009, Qualcomm had no significant fines for non-compliance with environmental laws and regulations. Environmental information about our products is detailed in the Product Responsibility section of this report, beginning on page 14.

### Energy Efficiency & Energy Cost Savings

Qualcomm invests in highly efficient energy, lighting, HVAC (heating, ventilation and air conditioning) systems, cogeneration and renewable energy (photovoltaics) to reduce energy consumption, lower building operating expenses and minimize greenhouse gas (GHG) emissions. The cost savings continue for years to come as the energy saved translates into dollar savings on our monthly utility bills.

To date, Qualcomm's energy efficiency investments in over four million square feet of building space in California alone have saved more than 22.5 million kilowatt hours of electricity annually, valued at over \$2.92 million savings each year. This is equivalent to avoiding 7,390 metric tons of GHG emissions or eliminating the annual emissions of 1,343 cars.

### U.S. Green Building Council

In August 2009, Qualcomm joined the U.S. Green Building Council (USGBC), reaffirming our commitment to energy and water efficient green buildings. The USGBC is a member-driven nonprofit organization best known for the development of the LEED (Leadership in Energy and Environmental Design) green building rating system. Qualcomm's one million square foot W Campus was certified LEED Gold last year and the Company continues to implement LEED methodology in our ongoing construction projects. Our W Campus represents what we are doing company-wide to build energy efficiencies and optimize resource conservation in our facilities, which ultimately reduces our operating costs and contributes to the financial bottom line.



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## Greenhouse Gas Emissions

Since 2002, Qualcomm has been a member of the California Action Registry, a nonprofit voluntary registry for GHG emissions and has earned the distinction of "Climate Action Leader" for our early and voluntary participation in reporting GHG emissions in California. Our overall emissions (per square foot of our facilities space) have continued to decrease. While some of our direct and indirect consumption metrics have increased, this is a reflection of continued growth in our operations and revenues. We do our best to minimize the impact our operations have on our global environment.



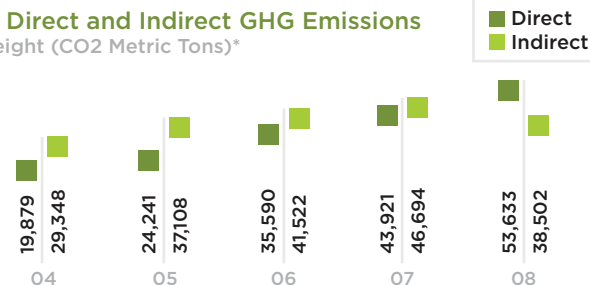
## CO2 Metric Tons of Emissions

Per Gross Square Foot of Facilities Space\*



## Total Direct and Indirect GHG Emissions

By Weight (CO2 Metric Tons)\*



\*Figures represent 2008 calendar year for California facilities only which make up roughly 72 percent of our global square footage.

## Air Emissions

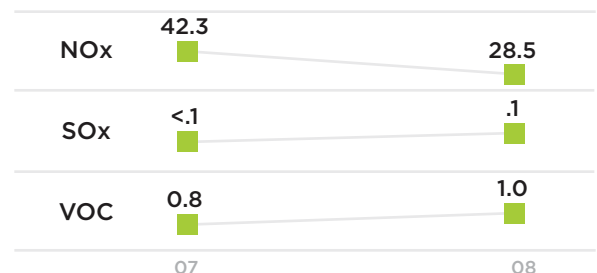
Qualcomm was recognized for our 2009 efforts to improve air quality. We are the first company to be given the new Blue Sky Leadership Award, an honor created by the San Diego County Air Pollution Control District in partnership with the Industrial Environmental Association to highlight a local company that demonstrates a commitment to improving air quality and provides inspiration for others to do the same. The Blue Sky Leadership Award is given to the top performer among local companies and organizations named as Clean Air Champions throughout the year.

Qualcomm's two newest cogeneration turbines are fueled by natural gas and are highly efficient. These units produce electricity for our operations, and the heat generated by them is used to run two large chillers for our air conditioning system. The turbines reduce airborne pollutants by 35 percent compared to the ones they replaced.

Qualcomm further improves air quality through our energy conservation efforts. We have installed solar panels on building rooftops, own a fleet of hybrid vehicles and encourage and incentivize our employees to utilize alternative modes of transportation for their daily commute, such as offering transit subsidies, shuttle services and bike lockers.

## Significant Air Emissions

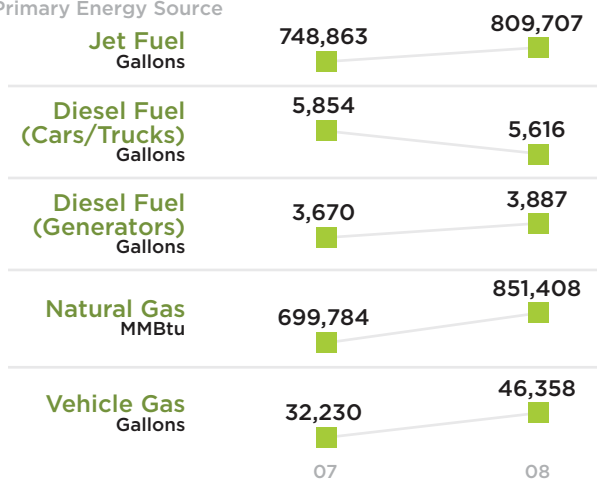
By Type and Weight (Tons Per Year)



Source: San Diego Air Pollution Control District Annual Emissions Report on Qualcomm San Diego, CA Facilities.

## Direct Energy Consumption

By Primary Energy Source



## Indirect Energy Consumption

By Primary Energy Source





*Our two newest cogeneration turbines are highly efficient and reduce airborne pollutants by 35 percent.*

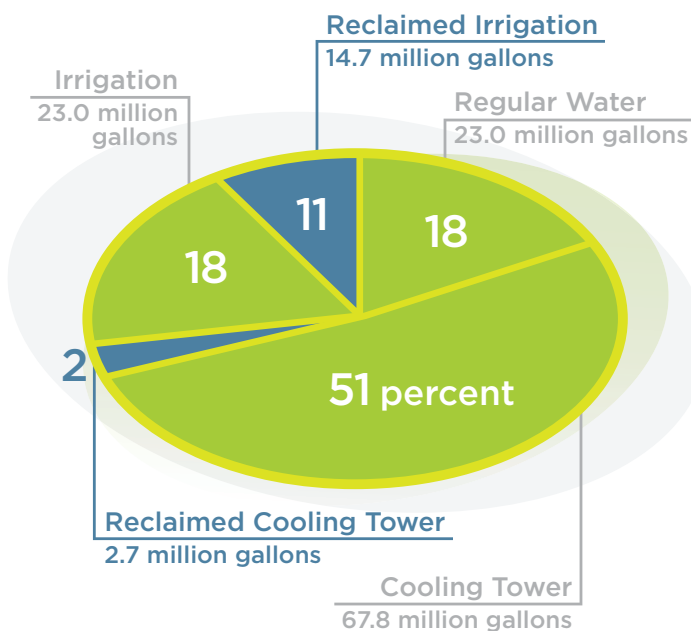


## Water Conservation & Reuse

Communities worldwide are experiencing an unprecedented water supply crisis. Qualcomm is proactively doing our part to conserve scarce water resources. We have incorporated water saving fixtures and drought resistant plants at our various building sites, as well as drip irrigation and the use of reclaimed water for irrigation. In May 2009, Qualcomm converted our San Diego Building AA cooling towers from potable water to reclaimed water which will save over 2,684,000 gallons of potable water annually. Qualcomm is striving to reduce potable water use and maximize the use of reclaimed water wherever possible.

As shown in the chart below, reclaimed water utilized for both cooling towers and irrigation comprises 13% of Qualcomm's water usage. Plans began in 2009 to convert another cooling tower to reclaimed water that will save over 29 million gallons of potable water annually. Additionally, Qualcomm carefully manages our cooling tower cycles to optimize operations and use less water. In 2009, we saved 17.8 million gallons of water from our cooling tower operations and from our low flow restroom fixtures, as well as other conservation programs.

**2009 Water Usage = 131.2m gallons**  
(San Diego, CA facilities only)



**17.8 million gallons of water saved** through conservation efforts annually



## 2009 Water Reduction & Reuse Highlights

### 2,684,000 gallons

Continued to invest in reclaimed water projects, such as converting one of our San Diego office building's cooling towers to reclaimed water in May 2009, thus saving over 2,684,000 gallons of potable water annually.

### 14,703,000 gallons

Saved 14,703,000 gallons of potable water by using reclaimed water for irrigation.

### Drought-resistant plants

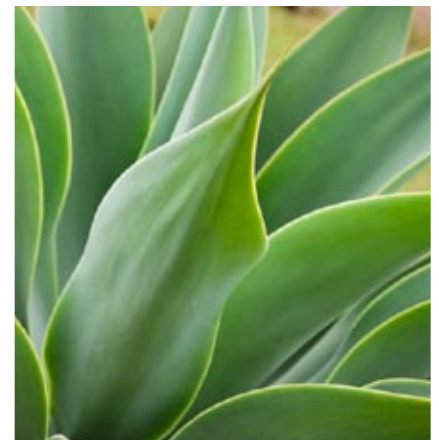
Maintained our facilities' landscape with drought-resistant plants and drip irrigation where possible.

### 80,000 gallons

Initiated pilot project for waterless urinals which save 40,000 gallons of potable water per unit annually. We currently have 2 units and are expanding this project in the coming year.

### Reduced water consumption

Reduced our water consumption by 128,700 gallons year over year by implementing a water broom wash-down system for cleaning exterior surfaces.



# Our Environment

Qualcomm's Sustainability Initiatives



## Green Cleaning

Qualcomm's dedication to a greener, safer environment extends into all aspects of day-to-day operations. In 2007, Qualcomm's Building Services team instituted a new cleaning system, ManageMen's® Operating System 1 (OS1)®, as part of our Green Cleaning Program. Since then, we have transitioned all our San Diego buildings to the OS1 cleaning system, which encompasses approximately 4.3 million square feet and services over 10,000 employees. By instituting this new cleaning regimen, we have:

- Reduced the number of cleaning products used from 29 to 4.
- Cut chemical use from 3,335 active cleaning units to 303.
- Decreased the volume of chemical containers sent to landfills by 97 percent.
- Reduced our annual water and electricity usage.
- Reduced the amount of paper towel disposal sent to landfills by 11.47 tons per year and cut consumption by 16 percent by replacing paper towels with microfiber cloths.
- Generated a \$2.2m year over year savings for the Company.
- Improved worker's compensation costs by 91 percent.
- Achieved a 98.8 percent customer satisfaction rate in office cleaning requests.

In 2010, we will expand this initiative to include the OS1 Floor care cleaning system at our San Diego office buildings.

## Sustainable Kitchen Practices

In 2009, Qualcomm cafés achieved Charter Membership Certification and are now Certified Green Restaurants™. Through diligent work toward bettering the environmental impact of our cafés, our Food Services team has completed a rigorous 18-step process that has improved our water efficiency, implemented a full-scale recycling program, introduced chlorine-free paper products and made a commitment to sourcing local, sustainable and organic foods. We are proud of our environmental efforts in our kitchen facilities and look forward to improving and implementing even more "green" efficiency in the years to come.

## Making A Difference



### Averages

Restaurants throw away 100,000 pounds (per location) of garbage per year.



### Qualcomm

Qualcomm is reducing our garbage output by implementing a full-scale recycling program so that waste can now be reduced, reused and recycled.

Restaurants use 300,000 gallons (per location) of water per year.

Qualcomm installed low-flow faucet aerators and pre-rinse spray valves in our kitchens that use about a half a gallon of water per minute, which is over 75 percent more efficient than most faucets.

The average United States food product is shipped 1,500 miles before it reaches our plates.

Qualcomm is proud to source local, sustainable and organic foods from our own community, helping to significantly reduce our environmental impact and support local growers.

Styrofoam is made from petroleum, an unsustainable and heavily polluting resource.

Qualcomm is proud to not use any styrofoam in our food service operations.

Waste reduction can be about breaking bad habits like grabbing too many packets of ketchup or taking too many napkins.

Qualcomm is reducing waste by ordering condiments in bulk sizes, eliminating the use and waste of individually packaged items and encouraging diners to only use what they need.



## 2009 Sustainable Kitchen Highlights

### 50 percent

Qualcomm significantly reduces its carbon footprint by using Ecoflame warming gels at all our Food Services' caterings, cutting our carbon dioxide emissions by at least 50 percent in comparison to other available fuels.

### Buying bulk

Bulk purchasing of food and condiments has greatly reduced the waste associated with our café operations, conserving scarce landfill space.

### 135,000 gallons

Our Food Services purchased and installed low flow spray valves, sink faucet aerators and kitchen aerators to further reduce our water consumption in Qualcomm's kitchens. By installing the low flow spray valves, which run at 1.28 gallons per minute, our Food Services saves 135,000 gallons of water a year, as well as reduces the amount of energy used to heat the water.

### Biodiesel

100 percent of all oil and grease used at Qualcomm's San Diego cafés—which was over 1,200 gallons last year—is converted into biodiesel, reducing toxic emissions by 75 percent on average compared to petroleum diesel.

### 4 kilowatts

Qualcomm continues to use Melink VFD (variable frequency drives for commercial kitchen ventilation systems), which works with UV light to reduce chlorofluorocarbons (CFCs). These eco-friendly solutions enable Qualcomm to reduce high energy consuming HVAC. The Melink VFD utilizes an average of 4 kilowatts per hour, versus 14 kilowatts per hour for standard systems.

### 660,000 gallons

Qualcomm's air-cooled ice machines use less energy and water and make ice more quickly and efficiently than standard ice machines. By installing these new machines, the Company saves roughly 660,000 gallons of water each year.

### 90 percent

Air curtains are installed at Qualcomm kitchen facilities' doorways in an effort to save energy and maintain employee comfort. These curtains prevent up to 90 percent of the energy loss that occurs at an opening, compared to an open door.

### Reduce cold loss

All walk-in refrigerators and freezers at Qualcomm have strip curtains to cover the doorway. Strip curtains reduce cold loss by approx 50 to 60 percent, significantly cutting down on Qualcomm's walk-in refrigerator and freezer energy consumption.

### Organic food

Qualcomm aims to serve as much organic food as possible. In 2009, we served 22,000 lbs of organic line-caught salmon, 55,000 lbs of organic hormone-free chicken, 15,000 lbs of organic vegetables and 8,500 lbs of organic lettuces.



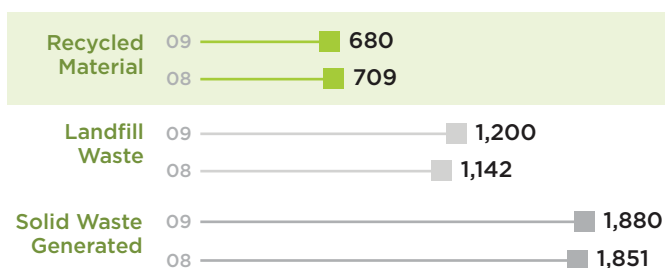
# Our Environment

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## Recycling & E-waste

Since 2007, the California Integrated Waste Management Board has used the per capita disposal measurement system to measure waste diversion and recycling efforts. Qualcomm's per capita disposal rate of 1.12 pounds/person/day (PPD) is evidence of our environmental stewardship. The average San Diego business per capita disposal rate is 11.4 PPD in 2008. Qualcomm was able to achieve our ongoing goal of remaining in the lower 10 percentile of per capita disposal rate relative to other San Diego businesses.

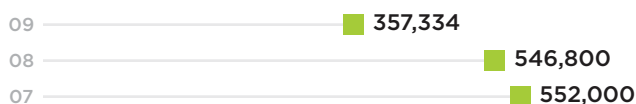
### Total Weight of Waste & Disposal Method\* (In Tons)



\*Figures represent 2008 calendar year for California facilities only which make up roughly 72 percent of our global square footage.

### Materials Recycled\*

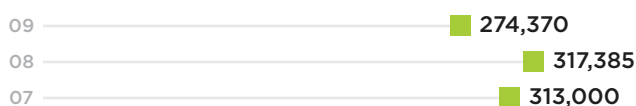
#### Cardboard (Pounds)



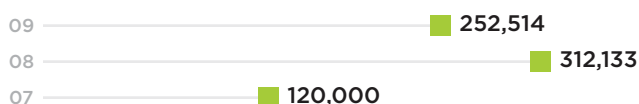
#### Aluminum Cans & Plastic Bottles (Pounds)



#### Office Paper (Pounds)



#### Electronic Waste (Pounds)



\*Figures represent 2008 calendar year for California facilities only which make up roughly 72 percent of our global square footage.

### Total Recycled Material (In Millions of Pounds)



Qualcomm's hazardous waste is processed at a California EPA registered Treatment, Storage and Disposal Facility. Qualcomm performs due diligence audits to ensure hazardous waste is managed responsibly and is recycled when possible. Our hazardous waste is recycled using solvent recovery and fuel blending methods.

### 2009 Hazardous Waste Recycled\* (Pounds)



\*Figures represent 2008 calendar year for California facilities only which make up roughly 72 percent of our global square footage.

## 2009 Recycling & Source Reduction Highlights

### 69 tons

In 2009, Qualcomm's employee shuttle service experienced a 10 percent increase in miles driven with over 400,000 miles driven across the San Diego campus. By selecting hybrid vehicles to replace gasoline powered vans, approximately 69 tons of greenhouse gases were prevented. Nearly half of the shuttle fleet is comprised of hybrid vehicles with plans on replacing older vans with Ultra Low Emissions Vehicles in 2010.

### Reusable water bottles

Administrative Services distributed reusable water bottles to all Qualcomm employees in San Diego followed by a campaign asking employees to reduce consumption of disposable plastic water bottles.

### 100% e-waste recycling

Our San Jose facility has implemented an aggressive e-waste recycling program that involves a 100 percent recycling program for all silicon and glass wafers. This recycling program also includes proprietary destruction and recycling of electronic components, wafer cassettes and storage boxes, product wrappings and containers used for consolidation.



**San Diego employees recycled 14,110 pounds of electronic waste in one day during Qualcomm's on-site collection event.**



## 2009 Sustainability Highlights

### **Hong Kong**

Our Hong Kong office implemented a recycling program to collect mixed paper and other materials in recycling bins, as well as copier toners and batteries. Program guidelines were based on United States recycling guidelines. An employee education campaign was conducted about the program to encourage greater involvement and participation.

### **India**

Our local employees are encouraged to initiate sustainable environmental practices; Mumbai employees are moving away from the use of packaged water bottles to reusable bottles thus reducing environmental waste and conserving resources. Additionally, Qualcomm's employee volunteer program promotes projects that improve our natural surroundings and we financially support nonprofit organizations that support sustainable environmental programs. For example, Qualcomm supports TERI's Light a Billion Lives Campaign, which brings solar energy to villages which would otherwise be in the dark for another decade.

Designing greener facilities with renewable energy sources is an important practice followed by the Company; this is especially important because buildings account for 40 percent of the world's energy use (Source: World Business Council for Sustainable development, "Transforming the Market: Energy Efficiency in Buildings"). Qualcomm aims to seek an India Gold "Leadership in Energy and Environmental Design (LEED)" certification for the new building under construction in Bangalore, our solely-owned property in India. The Company is leveraging best practices from the construction of our United States Gold LEED certified facility in San Diego.

### **Korea**

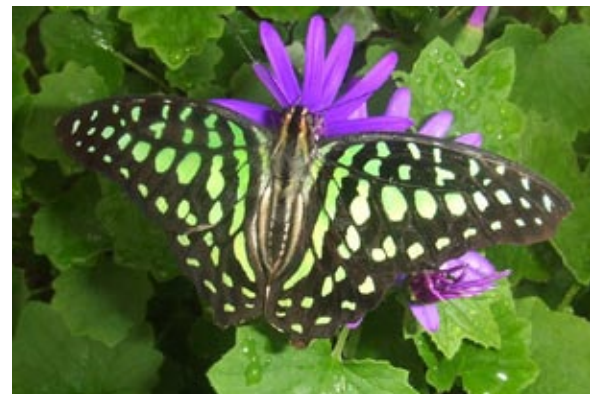
Twenty-two Korean employees and their families volunteered to clean-up the YangJae stream in Seoul, Korea by removing invasive species along the stream. This will enable beneficial reeds to flourish in this area, resulting in a healthier ecosystem.

### **Singapore**

Our Singapore Distribution Center has fully embraced Qualcomm's commitment to sustainability. Some of the Singapore Distribution Center's efforts include reusable cages or trolleys, which are used for in-country transport from suppliers in order to reduce packaging material and improve operational efficiency. We also led an initiative to reduce the packaging material required for Qualcomm's finished goods, resulting in 15,000 pounds less cardboard used per year.

### **Taiwan**

Qualcomm made a donation to Longtan Elementary School to assist in transforming the school's campus into a butterfly habitat. The donation will provide a complete butterfly ecosystem and encourage students to observe and record the lifecycle of butterflies by following scientific methods. Taiwan was renowned for being a butterfly kingdom in the past and this donation will create a very unique place in Longtan. The park helps to promote environmental awareness and appreciation of the country's natural resources to Taiwan's youth.





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## United States

Qualcomm supported a variety of events to better educate both our employees and the community as a whole about various environmental issues, highlighting actions that individuals, companies and governments can take to make a difference including:

- **San Diego Earth Fair**

Qualcomm employees presented the Fair's 75,000 attendees with information about the Company's many sustainability programs.

- **Employee Sustainability Fair**

To coincide with Earth Day, Qualcomm set up a Sustainability Fair on our San Diego campus with representatives from divisions company-wide as well as presentations by local sustainability experts. The Fair engaged our employees globally via recorded environmental lectures and a 'green ideas' contest.

- **San Diego Solar Energy Week 2009**

Activities focused on bringing together residents and business owners with solar experts, suppliers and installers to explore the benefits of using sunlight for electricity and water heating. Hundreds of visitors checked out the 30+ companies and organizations that exhibited solar-related products and services.

- **Coastal Cleanup Day**

Qualcomm adopted a site as part of California's Coastal Cleanup Day. Over 85 employees, families and friends cleaned 6 miles near Qualcomm's campus, collecting 3,200 pounds of trash and 75 pounds of recyclables.

- **Qualcomm Recycling Day**

Qualcomm hosted a free on-site recycling collection day, giving San Diego employees the opportunity to recycle personal electronics, donate used eyeglasses and cell phones and exchange inefficient light bulbs for energy saving compact fluorescent light bulbs.

***"We are incredibly pleased to be partnering with Qualcomm to speak to the community about solar energy, clean air and renewable lifestyles."***

***—Irene Stillings, California Center for Sustainable Energy Executive Director***

## The San Diego Foundation's Climate Initiative

Qualcomm provided financial support for The San Diego Foundation's regional Climate Initiative. Launched in 2006, this initiative is dedicated to advancing comprehensive action throughout San Diego County to reduce local greenhouse gas emissions and enhance the region's resilience to climate change.

### Achievements

With critical support from Qualcomm and other donors in the community, the Climate Initiative has made many achievements over the past 18 months:

- Providing technical assistance for nine cities and the County of San Diego to develop greenhouse gas emissions inventories, to provide the basis for future climate action planning.
- Partnering with the City of Chula Vista to develop a local climate adaptation plan, to provide a model for other cities.
- Supporting five university students to work as Climate Fellows with the nonprofit organization, ICLEI Local Governments for Sustainability.
- Supporting innovative research as a scientific foundation for effective public policy, including The San Diego Foundation's Focus 2050 Study: Climate Change Related Impacts in the San Diego Region by 2050 ([www.sdfoundation.org](http://www.sdfoundation.org)) and the Energy Policy Initiatives Center's San Diego County Greenhouse Gas Emissions Inventory and Policy Reports ([www.sandiego.edu/epic/publications](http://www.sandiego.edu/epic/publications)).
- Convening public officials to identify crucial areas for regional coordination.
- Building public awareness through educational outreach.

### Support

Qualcomm's support will allow The Foundation to build on these recent achievements and to promote more comprehensive regional action on climate change by working with key policy-makers in a high-level "Regional Collaborative" around climate change, regional transportation, conservation and land-use planning. The Foundation is complementing this process by convening the region's relevant nonprofit community to enhance partnerships, inform public policy and identify pressing unmet needs to accompany government actions.

