



碳减排先锋
Defensores do Clima
クライメート・セイバーズ
Climate Savers



World's biggest soft drinks manufacturer puts a lid on carbon.

The Coca-Cola Company is the world's largest beverage company.

“Solving society’s largest challenges takes real leadership and partnership among business, government and civil organizations. We have seen through our own experiences – time and again – that our business in any market is only as healthy and sustainable as the community in which we operate. We’ve long recognized the responsibility to lead in this area but we’re also wise enough to know that we can’t do it alone.”

Muhtar Kent President and CEO

How The Coca-Cola Company has promised to fight climate change

The Coca-Cola Company's Climate Savers commitment consists of two complementary emissions reduction targets applicable to its global system of manufacturing operations:

- Stabilize emissions, i.e. grow the business, not the carbon; and
- Reduce absolute emissions 5% in Annex 1 (developed) countries.

These targets apply to the period 2004 – 2015. The Coca-Cola Company and its bottlers anticipate substantial volume growth globally during this period, thus growing the business without growing the carbon is a significant commitment.

Without intervention, emissions would grow proportional to volume and reach 7.3 million tonnes in 2015. Thus, the global commitment will prevent the release of more than 2 million tonnes of CO₂ in 2015.

The Coca-Cola system's performance review

Emissions increased by 1% in 2007 compared to 2006 (4.86 million tonnes), while the system's unit case volume grew 6% from 2006 to 2007. The system expects to hold its 2015 emissions from manufacturing globally at or below the corresponding emissions from the base year of 2004 (4.7 million tonnes).

Similarly to a number of Climate Savers companies, The Coca-Cola Company recognizes that success in reaching its Climate Savers goals while still growing the business is a matter of first slowing, then stopping, then reversing the trajectory of its emissions.

Putting the fizz into energy efficiency

The Coca-Cola Company is the world's leading manufacturer, marketer, and distributor of non-alcoholic beverage concentrates and syrups, which are used to produce nearly 500 brands. The Company is based in Atlanta, employs 90,500 people worldwide, and has operations in over 200 countries.

The Company is undertaking a number of initiatives to reduce CO₂ emissions. Its Climate Savers effort is focused on manufacturing facilities and bottling plants, where the principal climate protection activity is energy efficiency.

Across the Company's bottling system, work continues to grow the business, but not the carbon. Since 2002, energy use efficiency has improved by 19%. In 2007 alone, The Coca-Cola Company estimates that energy efficiency improvements (from 0.48 MJ/liter to 0.46 MJ/liter) accounted for approximately \$38 million in avoided costs.

Going forward, the Company's efforts will be led by an ambitious multiyear energy-efficiency investment program called Project esKO. Launched in 2007, Project esKO aims to improve energy efficiency and productivity, and reduce emissions in manufacturing.

Coca-Cola Hellenic Bottling Company S.A., one of The Coca-Cola Company's largest bottling partners, has already begun sourcing power from some of the 15 new on-site Combined Heat and Power (CHP) plants being constructed during 2009. Use of the technology in its facility in Dunaharaszti, Hungary cut CO₂ emissions by 43% in the first year of operation.

The perfect mixer – complementing Climate Savers

Across the Coca-Cola system, it is recognized that climate change may have long-term direct and indirect implications for the business and its supply chain. The Company believes that its business system has a role to play in ensuring it uses the best possible mix of energy sources while improving the energy efficiency of manufacturing and distribution processes.

The Coca-Cola Company's overall climate protection strategy is focused on the four key areas of refrigeration equipment, offices and bottling plants, fleet and transportation, and global awareness and action.



Keeping it cool – innovation in refrigeration

The Coca-Cola system owns more than nine million coolers and vending machines. These are the largest estimated contributors to greenhouse gas emissions related to the Coca-Cola system's operations. They produce three times the estimated emissions of the manufacturing facilities and more than five times the emissions from the fleet. As a result, the Coca-Cola system's sustainable refrigeration program is a central part of their energy management and climate protection efforts.

Coca-Cola has completed the transition to HFC-free insulation for new purchases of refrigeration equipment. This new equipment generates 75% fewer direct greenhouse gas emissions compared to traditional sales equipment.

They also have made significant research and development investments to identify technology that will help reduce direct greenhouse gas emissions from refrigerants. Ironically, the alternative is CO₂, a greenhouse gas that is 1,300 times less potent than the HFC-134a deployed in conventional equipment, and has less direct climate impact while improving energy efficiency under typical operating conditions. So here, at least, CO₂ can be harnessed by industry to help the planet's environment rather than threaten it.

The Coca-Cola Company has a proprietary Energy Management System called EMS-55, which can reduce the energy consumption of refrigeration equipment by up to 35%. By the end of 2008, over 1 million of these EMS-55 units were shipped into the Coca-Cola system around the world. These units are saving an estimated 1.1 billion kilowatt hours per year, with a corresponding greenhouse gas reduction of an estimated 575,000 tonnes.