

CAMBRIDGE

GoGreen Awards

2010



CATEGORY: Energy/Large Business

NOVARTIS

250 Massachusetts Avenue

ACCOMPLISHMENTS

- In 2009, Novartis implemented several projects to reduce its energy consumption and carbon footprint. The most successful was its air flow reduction initiative. The project involved reducing air flows in laboratories and offices to levels prescribed by ASHRAE and other industry standards. In addition, temperature setpoints were modified so that during the winter, the building heats up to a uniform 69 degrees Fahrenheit and during the summer it cools to 75 degrees Fahrenheit. At the same time, a night cycle was added where air flows in the laboratories were further reduced to ASHRAE prescribed minimums and the heating and cooling temperature set points were changed to 65 and 79 degrees respectively.
- The projected energy use reductions equaled a full 6% of the entire campus energy use, both thermal and electrical. The first four months of data have demonstrated savings exceeding that rate. Thermal savings have averaged over 10% and electrical savings over 9%. Conservatively, this will save over 3 million kilowatt-hours of electricity and the equivalent to 10,000 Mlb. of steam (the facility's primary heating source) annually. This is the equivalent of taking over 400 cars off the road or enough energy to heat more than 300 homes.
- With incentives from NSTAR, the simple payback for the project is just under 4 months.

ABOUT NOVARTIS

- Novartis is dedicated to providing healthcare solutions that address the evolving needs of patients and societies worldwide. With approximately 98,000 associates and operations in more than 140 countries, Novartis offers a wide range of healthcare products through their Pharmaceuticals, Vaccines and Diagnostics, Generics, and Consumer Health Divisions. Cambridge is home to the headquarters for Novartis's global pharmaceutical research organization. Their presence in Cambridge has grown steadily since 2002. In total they employ approximately 2000 associates in Massachusetts, occupying more than 1.3 million square feet of laboratory and office space in Cambridge – making them the city's largest corporate employer. Novartis believes that careful stewardship of natural resources, particularly tight control of greenhouse gas emissions and energy efficiency, is not only important for the Group but critical for global society and future generations. Social and environmental sustainability is an integral part of Novartis' Corporate Citizenship strategy.

For more information on Novartis' sustainability efforts and accomplishments, please contact: Paul Goldenberg, Head of Automation and Instrumentation, Novartis Institutes for BioMedical Research, (617) 871-3086 or paul.goldenberg@novartis.com or visit <http://www.corporatecitizenship.novartis.com/index.shtml>.



ABOUT THE GO GREEN AWARD

The City of Cambridge annually recognizes local businesses and organizations for outstanding practices in transportation, waste reduction and recycling, energy, stormwater management, climate protection, and community sustainability. The awardees make significant contributions to the reduction of the carbon footprint of Cambridge and to making the city more sustainable.