

2012 Global Sustainability Report

**Boston
Scientific**
Advancing science for life™



PROTECTING OUR PLANET, OUR PEOPLE AND OUR PROPERTY

DID YOU KNOW?

Boston Scientific has improved employee safety results **16% SINCE 2009**, with a 2012 global injury rate of **0.79**. In 2012, **7** of our sites, in the US, Ireland and Costa Rica, were recognized for their safety performance by governmental or external groups.

DID YOU KNOW?

Boston Scientific has been certified to the **FTSE4GOOD CORPORATE SOCIAL RESPONSIBILITY INDEX** since **2004**

ENVIRONMENT, HEALTH AND SAFETY POLICY



Boston Scientific believes that leading environmental, health and safety performance contributes to our competitive strength and benefits our customers, shareholders and employees as well as the environment.

We will work to advance the following aspects within our operations:

- Considering sustainability in the development and adoption of site operations and practices
- Minimizing the generation of solid and hazardous waste, and recycling wastes where feasible
- Optimizing energy and resource use with a goal of reducing green house gas emissions
- Communicating each employee's ownership of ensuring safe practices and conditions
- Reducing workplace injuries and incidents
- Reducing ergonomic and manual handling risks in the workplace
- Reducing physical and natural disaster risks

DOWNLOAD THE COMPLETE
BOSTON SCIENTIFIC ENVIRONMENT, HEALTH & SAFETY POLICY.

SETTING STANDARDS

DID YOU KNOW?

At the Boston Scientific Coyal, Costa Rica facility, all of our waste water is treated and used to irrigate the campus, eliminating the need to pump water from the site well for irrigation.

DID YOU KNOW?

13 OUT OF 14 of Boston Scientific's operational sites are ISO-14001 certified:

Fremont , CA
Maple Grove, MN
St. Paul, MN
Quincy, MA
Spencer, IN
Coyal, Costa Rica
Dorado, Puerto Rico
Clonmel, Ireland
Galway, Ireland
Cork, Ireland
Kerkrade, The Netherlands

NEW IN 2012

San Jose, CA
Valencia, CA
Heredia, Costa Rica

ISO-14001

ISO-14001 is a globally recognized standard for Environmental Management Systems and was established by the International Standards Organization

13 OUT OF 14 of Boston Scientific's operational sites are ISO-14001 certified, which reflects over **95%** of operations activity.

The ISO-14000 standards exist to help organizations minimize how their operations negatively affect the environment. The system includes elements of setting specific environmental improvement targets, continuous improvement, regulatory compliance, planning, auditing, and corrective action.

LEED

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™, developed by the U.S. Green Building Council (USGBC), is the nationally accepted benchmark for the design, construction and operation of high performance green buildings.

The following Boston Scientific facilities have successfully used the LEED tools and have been LEED certified:

- Weaver Lake 3, Maple Grove, MN
- Marlborough Endosurgery Campus, Marlborough, MA
- Weaver Lake 3 Expansion, Maple Grove, MN (Silver Certification)
- Coyal, Costa Rica (Silver Certification)
- Quincy Distribution Center, North/Central Concourse, Quincy, MA
- **NEW IN 2012:** Quincy Distribution Center, South Concourse, Quincy, MA (Silver Certification)

BY THE NUMBERS

FIVE YEAR TARGETS (2009 – 2014)

- ISO 14001 Certification of all **14** major Operations sites in 2013
- **15% REDUCTION** in greenhouse gas emissions
- **10% REDUCTION** in solid waste generation
- **10% REDUCTION** in water use
- **10% INCREASE** in solid waste recycle/reuse



AT BOSTON SCIENTIFIC, WE CONTINUOUSLY WORK TO REDUCE OUR ENVIRONMENTAL FOOTPRINT.

Boston Scientific believes that leading environmental, health and safety performance contributes to our competitive strength and benefits our customers, shareholders and employees as well as the environment.

We will work to advance the following aspects within our operations:

IN 2012, BOSTON SCIENTIFIC

- Decreased greenhouse gas emissions by **8%** (to 138,000 tons)
- Decreased solid waste generation by **8%** (to 9,500 tons)
- Increased solid waste recycle/reuse to **88%** (up 6%)
- Produced 888 tons of hazardous waste (4% decrease)
- Decreased water use by **2%** (220 million gallons)
- Completed Phase 1 energy efficiency program
- At year end, **SEVEN LOCATIONS** operated as zero landfill sites: Marlborough, Natick, Quincy, Maple Grove, Kerkrade, Galway, Cork
- Launched supply chain “green” procurement

PROCUREMENT SUSTAINABILITY

In 2012, Boston Scientific launched a Green Supply Chain program, to build sustainability into the procurement of goods and services used in the business, working collaboratively with our supply base. The initial framework for the program includes four principal components:

- 1) Engaging our key suppliers in an annual environmental sustainability assessment
- 2) The inclusion of sustainability practices in the Boston Scientific supplier business review process
- 3) A sustainability assessment for use in the supplier selection process
- 4) Inclusion of sustainability participation in the appropriate supplier agreements

STAYING GREEN

A JOURNEY TO ZERO LANDFILL – Galway, Ireland

“Over ten years ago our journey toward sustainability began with the introduction of our recycling programme to start diverting waste from landfill. By implementing the Environmental Management System, ISO 14001, we were able to embark on our journey toward zero landfill, and by 2011 we were segregating at least 13 individual waste streams for recycling. In 2012 we diverted the remaining non-recyclable waste for energy recovery; we recycle 78% of the non-hazardous solid waste we produce on site with the remaining 22% sent for energy recovery.

Our efforts are not limited to recycling but included reducing waste generation and re-using materials where possible. The site’s continued recycling success continues to be achieved through the support and commitment of all our employees.”

–Galway Senior
EH&S Specialist



AT MANY BOSTON SCIENTIFIC FACILITIES, GRASS-ROOTS RECYCLING PROGRAMS ARE BEING IMPLEMENTED WITH GREAT ENTHUSIASM AND SUCCESS:

- In 2012, Boston Scientific launched an improved used electronics management program at our US locations; in 2012, over **130,000** pounds of used electrical equipment were refurbished/reused or recycled.
- At the Quincy, Massachusetts Global Distribution Center, recycling programs for wood and cardboard have been supplemented to include shrink-wrap and plastic banding materials, raising their Recycling Index (RI) to 93% and holding their Landfill Avoidance (LFA) to **100%**
- The St. Paul and Maple Grove Minnesota facilities sponsored employee recycling days for consumer electronics and plastic bags to complement existing programs to recycle paper, cardboard, plastic and glass bottles.
- Several facilities, including Galway and Cork in Ireland, and Fremont and San Jose, California, have incorporated a food scraps composting program, which includes paper cups and food containers.

SPOTLIGHT: QUINCY SOLAR PANELS

**“TRIPLE WIN” –
Good for our planet,
good for people, and
reduced costs for
Boston Scientific.**



“This will be Boston Scientific’s first fully green power project, producing energy from the sun with no greenhouse gas or power plant emissions. The project has been exciting as a demonstration of our overall commitment to sustainable practices. It’s going to provide stability in cost and energy demand. We see this project within the environmental realm as one that provides a triple win.”

– Leonard Sarapas,
Corporate Director of
Environment, Health & Safety



IN DECEMBER OF 2012, BOSTON SCIENTIFIC ANNOUNCED A NEW ADDITION TO THE FAMILY: A 1.28 MEGAWATT SOLAR ENERGY SYSTEM HOUSED ON THE ROOF OF THE QUINCY, MA DISTRIBUTION CENTER.

Visible only by air, the solar panels that make up this system are the largest and highest in Quincy, MA. Almost **4,000** panels cover about 160,000 square feet of roof space on the LEED certified, Quincy south building. This array is capable of generating enough power to provide about **25%** of the electricity used by the site.

GIVING BACK



ACROSS BOSTON SCIENTIFIC, GROUPS OF EMPLOYEE VOLUNTEERS ARE FORMING LOCAL GREEN TEAMS, PARTICIPATING IN ENVIRONMENTAL PROJECTS AND COMMUNITY EDUCATION AND OUTREACH.

EMPLOYEE VOLUNTEERS

Volunteers in Massachusetts cleared over **650 FEET** of overgrowth, fallen debris and invasive plants from the edge of a local meadow which provides important habitat for grassland birds and other creatures.

GREEN TEAM HIGHLIGHTS:

- The Coventry, Rhode Island Green Team was proud to hold its first event during Earth Week in April 2012. Thirty two volunteers cleaned up the vegetated areas abutting the entrance to the facility, a stream adjacent to the facility, and a portion of the abutting Audubon Conservation Area.
- Each year, the Boston Scientific Bay Area, California facilities celebrate Earth Day in April, and America Recycles Day in November, with activities focusing on environmental education, recycling, and composting.
- The Boston Scientific Fremont facility has been recognized by the City of Fremont as the largest business composter in the city.
- The Dorado, Puerto Rico Green Team continues to hold a variety of events, such as hosting local vendors that offer goods made from recycled materials, beach clean-ups, planting of local species, and employee environmental awareness events.
- The Clonmel, Ireland Green Team sponsored a new event in 2012: a clean-up of the Carey Castle area. Many years of trash and litter were removed, helping restore the natural habitat of the area.

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INNOVATIVE RESULTS

ENERGY

We recognize that most conventional methods of generating electricity and hot water or steam involve inefficiency from wasted heat, so we evaluated more innovative technologies that produce electricity. By installing combined heat and power plants (CHPs), which generate electricity and hot water using the same energy, we are able to both drastically decrease greenhouse gas emissions as well as cost. With our CHPs, natural gas is used to power a turbine and generate electricity, and the associated heat energy is recovered and used to make hot water. CHPs are now operating at three of our locations: Galway, Ireland, Clonmel, Ireland and Marlborough, MA.

WATER

At sites where water use is significant, we have reduced consumption. In Spencer, IN, we determined that we could replace a conventional water-cooled chiller system with an air-cooled system. The results were significant: overall water use has been reduced 67% with 6 million gallons of water saved each year. In our Cork, Ireland facility, a waste water stream from the plant's water purification system has been re-routed from discharge to the sewer to use for toilets, saving 1.4 million gallons of water per year.

PACKAGING

Reducing product packaging, provides benefits to the environment through less materials and lighter shipping weights, and to our customers through lower waste generation and reduced space needs for product storage. In some product families, we have reduced both primary and secondary packaging size by 65% and materials used by 45%. In another product family, conventional packaging materials were replaced with lighter biodegradable materials, reducing the amount and weight of those materials. Ongoing packaging reduction activities such as these continue to deliver "Triple Win" benefits.

YOU CAN LEARN MORE ABOUT BOSTON SCIENTIFIC'S
SUSTAINABILITY INITIATIVES AT:
WWW.BOSTONSCIENTIFIC.COM/CITIZENSHIP

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03/13