Fact Sheet

Sustainability at EMD Millipore

Achieving better outcomes is the driving force behind our commitment to sustainability. From the life cycle assessment of our products to the focus on energy saving initiatives to empowering our employees to give back to the communities in which we work and live, creating value in a responsible way is what we aim to achieve.

We strive to advance environmental and social responsibility throughout our products, operations and people. In doing so, we create innovative and sustainable solutions for our customers, minimizing impact, upholding an ethical, fair, healthy, motivated workplace culture and provide lasting benefits for the community. As a leading supplier to the global life sciences industry, with more than 60,000 products, tools and technologies enabling the research, production and development of novel therapies, creating value responsibly is what our customers can expect from EMD Millipore.
Integrating sustainability

Our Products
Working together with our customers and suppliers, we are seeking ways to minimize the impact of our products throughout their life cycle. EMD Millipore is working to develop product and process improvements that help meet the sustainability priorities of our customers.

Our Operations
EMD Millipore is committed to operational excellence and efficiencies that minimizes impact across our operations within the areas of reducing our global carbon footprint, increasing energy and water efficiency and improving our waste recovery and recycling rate. Currently, EMD Millipore’s energy management program has saved the organization 18 million kilowatt hours and $2 million since its inception in 2007.

Our People
At EMD Millipore, we are committed to responsible corporate citizenship, and our employees demonstrate this in their daily work and interactions with our customers, and through the company’s focus to give back to the communities where we live and work.

We seek to contribute to society in ways that reflect our values as a company committed to leading-edge innovations that enable the success of our customers in the research, development and production of novel medicines.

Solutions for our customers
Product take-back programs
EMD Millipore has launched several take-back programs aimed at reducing the environmental impacts from our consumable products and offering more responsible disposal options. These programs include the ech\textsubscript{2}o™ Collection and Recycling program for lab water purification cartridges, the recycling program for single-use products used in biopharmaceutical manufacturing, and the ReCycler™ and Retrologistik® programs aimed at reuse of chemical containers and packaging.

Life cycle assessment (LCA)
We’re using LCA methodology to understand the full environmental impacts of our products throughout their life cycle. The resulting data leads to improvements in product design and product stewardship, as well as transparency with our customers.

Design for sustainability
EMD Millipore engineers are incorporating principles into our complete product development process, which offers the greatest opportunity for minimizing the long-term environmental impact of our products.

Packaging
EMD Millipore has piloted a reusable totes program and is exploring ways to expand the program where feasible. We’re also working to increase the recycled content of packaging and reduce concerns from cold-chain packaging.

The reusable totes reduce the need for corrugated and foam packaging materials, simplifying handling for our customers.
Delivering Results

- EMD Millipore offers US employees sustainable benefits for hybrid vehicles, energy audits and solar panels.

- Over 200 employees participating in the Molsheim, France MilliMove program take 112 cars off the road and save 247 metric tons of carbon dioxide equivalents each year by carpooling.

- EMD Millipore’s donated over $225,000 in equipment and services to the EMD Millipore Corporation Process Development Laboratory at the University of Massachusetts (UMass) Lowell, which will be used for downstream purification research as well as training for students and industry professionals.

- ISO14001 Certification of EMD Millipore’s global production facilities.

- EMD Millipore’s Cork, Ireland manufacturing facility installed a new solvent recovery unit, which captures a broad range of solvents from multiple waste streams and processes reducing waste water generation resulting in approximately 80% recycling of the site’s solvents.

- Wastewater treatment and reuse for Durapore test stand manufacturing processes at EMD Millipore’s facility in New Hampshire has saved more than 335,000 M³ of water since 2003.

- EMD Millipore has two LEED®-certified Gold facilities, one LEED certified building, and one warehouse facility designed to meet the Haute Qualité Environmental (HQE) French green building standard. We are committed to achieving LEED certification for all new renovation and construction projects.

- EMD Millipore aims to support our customers’ sustainability efforts. One study confirmed that our single-use manufacturing technologies used 3x less water than traditional stainless steel systems.

- EMD Millipore’s ReCycler™ program offers some customers a reusable, refillable container system for bulk solvents delivery, which reduces cleaning requirements for customers while meeting safety standards and reducing use of packaging materials.

- In an effort to meet our parent company’s goal to reduce greenhouse gas emissions 20% by the year 2020, EMD Millipore employs Merck KGaA’s carbon and energy management strategy called EDISON, which consists of implementing energy efficiency measures, leading a global energy team, and harnessing employee engagement and awareness.

- EMD Millipore is advancing sustainability throughout its supply chain by including sustainability criteria as part of supplier management strategies. Questions regarding both social and environmental issues are being incorporated into supplier questionnaires.

Sustainability Awards

Boston Business Journal 2012 Best Green Practices in Cleantech and Energy,
EMD Millipore was recognized in the innovation category for its two-industry-leading product stewardship programs: the ech,o™ Collection & Recycling Program, aimed at reducing the environmental impact of our Lab Water purification cartridges; and the Product Take-Back Program, aimed at reclaiming single-use products used in biopharmaceutical manufacturing.

Northeast Energy Efficiency Partnership (NEEP), EMD Millipore was recognized as a Northeast Business Leader for Energy Efficiency at its Jaffrey, New Hampshire manufacturing facility for its achievements in energy efficiency which has resulted in annual energy savings of over one million kWh, and cost savings of over $160,000 every year.

Association of Energy Engineers (AEE)
New England Chapter, EMD Millipore was recognized for its exceptional energy management program, encompassing energy efficiency, demand response, and other energy-saving initiatives within all of its New England facilities.
More Info
For more information about EMD Millipore's Sustainability Program:
www.emdmillipore.com/sustainability

To contact the EMD Millipore Sustainability team:
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For more information about Merck KGaA’s Corporate Responsibility Program:
www.merckgroup.com/en/responsibility

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