

Filtrex International Sustainability Report 2009



Mission Statement

Filtrex International's mission is to initiate, promote, and lead national and global economic, environmental and social systems of sustainability through the conservation and regeneration of our natural capital, enhancement of human health, and promotion of shared cultural and social integrity. Filtrex International is Triple Bottom Line Company: People, Planet, and Profit.

Objective

Filtrex International has a corporate mission to move beyond reducing our environmental impact on the earth, to regenerating and preserving the ecological systems in which our business and humanity depend. We seek to innovate, engineer, manufacture, and distribute products that work with – and enhance the services of nature, with special attention to our carbon footprint, life cycle costing, cradle to grave accounting, and minimization of embodied energy throughout manufacturing, supply chain, distribution, and end user application. Our business model has been developed to provide research, education and outreach for the adoption and technology transfer of sustainable technologies in green building, green infrastructure, low impact development, and sustainable agriculture.

Goals

- Manufacture products that have a recycled content of 95% or greater;
- Manufacture products that have a bio-based content of 95% or greater;
- Utilize materials and processes in manufacturing that reduce carbon emissions, with particular attention on methane reduction;
- Structure distribution chain based on bioregions and local economies to reduce transportation, thereby reducing carbon emissions, stormwater pollution, and the environmental impacts from petroleum extraction, refining, and distribution.
- Manufacture and distribute products that are directly utilized for improving, protecting, and sustaining our environment, human health, and social integrity.
- Become the world market leader in sustainable product technologies for site, stormwater, and agricultural management systems.
- Become a carbon *negative* business.
- Move our industry and similar businesses to decrease their ecological footprint.



Carbon Footprint

In 2009, Filtrex International generated 152,000 tons of CO₂e through normal business operations, electricity, travel, and manufacturing. Through the use of 2,000,000 cubic yards of compost (methane production avoidance) and 7,500 acres of permanent vegetation establishment (carbon sequestration) worldwide, Filtrex International prevented and sequestered 5,127,050 tons of CO₂e. Therefore Filtrex International's net CO₂e carbon footprint is -4,975,050 tons, making our company one of the few *carbon negative* organizations in the US. Our 2009 carbon budget was equivalent to removing 497,500 mid-size cars off the road, conserving 11,500,000 barrels of oil, or preserving 995,000 acres of forest. One of Filtrex International's corporate goals for 2010 is to increase its carbon net negative footprint by 10%.

Waste Reduction

In 2009, Filtrex International generated 20 cubic yards of municipal solid waste (MSW) through normal business activity. However, through compost product manufacture and use, Filtrex International is responsible for recycling 4,000,000 cubic yards of organic waste. One of Filtrex International's corporate goals for 2010 is to reduce its MSW by 25%.

Water Consumption

In 2009, Filtrex International used 214,540 gallons of water in normal business operations. One of Filtrex International's corporate goals for 2010 is to reduce water consumption by 25%.

10 Ways Filtrex Products Decrease Ecological Footprint

Filtrex International's compost-based sustainable technologies have been specifically researched and engineered to: 1) reduce the effects of increased storm water quantity and localized flooding through natural site hydrologic design principles; 2) limit the effects of increased pollutant transport, decreased storm water quality, and degraded surface water quality through storm water volume reduction, filtration, and vegetation establishment; 3) protect and restore wildlife habitat and biodiversity through soil and plant ecosystem reclamation and conservation; 4) reduce urban heat island effects, thereby reducing energy demand and carbon emissions; 5) reduce transportation to end users, thereby reducing petroleum use and carbon emissions; 6) increase use of locally available materials and resources, thereby reducing energy demand from resource extraction and transportation; 7) increase use of bio-based materials, thereby reducing petroleum and other non-renewable resource use, energy used in their manufacture and carbon emissions; 8) protect against failure of levees and sand dunes, thereby preventing severe flooding and destruction of private property, habitat, and green spaces; 9) improve crop and plant survivability during drought periods through increased water holding capacity; and 10) reduce water and irrigation demand during periods of mandated water conservation, prolonged drought, and within drought prone regions.