



Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

Stantec Consulting Services, Inc.

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Architectural/Engineering Consulting
Member since March 2014

Management and Leadership

Environmental Team

Stantec's Maryland offices are guided by our corporate operations. Stantec is conducting an environmental performance planning process that will involve individuals and groups with direct responsibility for environmental performance, including the Sustainable Development team and Director of Quality Management (who oversees our EMS, Operations Support team, and Real Estate group).

Environmentally Preferable Products and Services

Stantec provides integrated, multidisciplinary design and consulting services at every scale of built, natural, and organizational environments – applying sustainability expertise in policy planning and governance, building performance, community and land planning, energy and resource management, and natural systems. These services provide our clients with high-quality and high-performance buildings. Stantec has been involved with more than 160 projects that have achieved LEED certification and several hundred LEED-registered projects. More than 650 Stantec employees hold LEED accreditation.

Stormwater Management Experts: Stantec has experience in implementing low impact development and best management practices in alignment with the changing stormwater management regulations for counties, state, and federal requirements per Section 438 of the Energy Independence and Security Act of 2007.

Hydrologic and Hydraulic Modeling & Analysis: Stantec has identified undetected leaks of 300,000 gallons per day using hydraulic modeling for a client

Landscape Architecture: Stantec specializes in developing landscaping plans including xeriscaping with native a drought resistant plant to reduce water consumption

Cost/Benefit Analysis: Stantec has provided return on investment solutions to clients with limited budgets for facility asset management.

Environmentally Preferable Purchasing

Stantec always strives to reduce the use of office supplies where possible. We have selected office supply vendors that offer a wide array of environmentally preferable products. These products have one or more attributes or benefits, such as recognized third-party certification, a minimum of 30 percent post-consumer recycled content used, are made with renewable resources, and have reduced packaging. In 2012, 16.5 percent of Stantec's product expenditures represented greener office products, based on at least one attribute or benefit identified above.

Independently-Audited Environmental Management System

In 2012, Stantec achieved certification for ISO 140001:2004 for our North American operations through an independent third-party verifier, BSI Management Systems.

Waste

Solid Waste Reduction and Reuse

An example of Stantec's commitment to waste reduction is a 14 percent per capita paper use reduction in 2012 over the previous year. We continue to reduce our paper usage by building further awareness among employees to encourage soft copy review of documents and printing only when necessary.

Energy

Energy Efficiency

Stantec's Laurel, MD facility has the following features in place to improve energy efficiency:

- *Energy conservation computer controls for operating the heating/air condition systems and overhead lighting*

- *Tinted perimeter glass to deflect ultraviolet rays and heat away from the building*
- *Motion detection light switches in storage rooms and pantries*

The Stantec IT team uses the Green Planet computer application, which automatically powers down all employees' computers for 11.5 hours per day. This is an example of just one of many economies that contributed to a 1.1 percent decrease in Stantec's per capita energy use in 1012, which is significant considering an increase in company growth and a 12.1 percent increased total square footage of office space in 2012.

Transportation

Efficient Business Travel

In addition to a strong emphasis on teleconferencing to reduce business travel, Stantec consolidated our travel program in 2012 from using forty travel agencies to using one. We can now more effectively track and measure our carbon footprint for air, car rental, hotel, and rail usage. Tracking business travel impacts will enhance our ability to report on Greenhouse Gas Protocol Scope 3 emissions within our carbon footprint.

Water

Water Conservation

To conserve water, Stantec's Laurel, MD office uses localized and interval watering instead of a sprinkler system.

Green Building

LEED Certified

At the end of 2012, 7 of Stantec's 216 office buildings worldwide were LEED certified.

Other

- Stantec designed the award-winning Senate Rain Garden in Washington, D.C. to capture runoff and provide water quality treatment, increase infiltration, and reduce runoff rates of stormwater from the House staff parking lot. Previously, the untreated parking lot runoff entered the combined sewer system and contributed to harmful*

combined sewer overflows that degrade the Anacostia and Potomac Rivers surrounding Washington, D.C. This polluted water can eventually end up in the Chesapeake Bay. STANTEC also conducted survey, utility investigation, concept and final design plans, and permit and construction documents for the demonstration project. The landscaping was designed to conform to Architect of the Capitol standards.

Stantec and partner/developer Haverford Homes, were recognized for “Going the Green Extra Mile” by the Maryland National Capital Building Industry Association with an environmental award for Land Development work above and beyond mandated regulations for preserving and protecting the environment. The team developed innovative, sustainable solutions for **Equestrian Estates**, a single-family detached residential community. Using a cluster subdivision approach the team was able to protect more than half of the 95-acre site. By utilizing sustainability planning and recycled materials, the project is a model for environmental development practices.

Stantec was recognized as one of the eight winning teams honored for exceptional efforts to promote sustainable operations by White House Council on Environmental Quality at the GreenGov Presidential Awards. The Building the Future award cited our work with the **Fort Belvoir Residential Community**. Stantec’s expertise in low-impact development design was key in designing the Fort Belvoir Residential Community. The Town Center acts as a model for other military installations for integrating residential and retail space in a single building, reducing the development footprint and encouraging a walkable community.

The 2010 Land Development Council Award of Excellence program recognizes the most creative, first-class development projects that are sensitive to their surrounding communities, and make appropriate use of existing natural elements. Awarded Project of the Year for Excellence in Community Design, Stantec was the primary civil engineering firm responsible for design of utility, storm drainage, road improvements, and stormwater management systems.

Profile Updated April 2014



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at www.green.maryland.gov/registry

