

DHS St. Elizabeths Campus

Sustainability Summary

PROJECT SUMMARY:

- Designated National Historic Landmark Status in 1990
- Consolidated campus for all Department of Homeland Security agencies
- 176 Acre campus with 70 existing buildings
- Target of LEED Gold certification for all campus buildings
- 3 Phases of construction
- Phase I-USCG Construction began January 2010
- Projected phase 3 completion Q4 2016
- Awarded James D.P. Farrell Brownfields Project of the Year Award in June 2011

Campus History

St. Elizabeths was founded in 1855 as the nation's first federally operated mental hospital and is located in the Anacostia neighborhood of Washington DC. In 2004, General Services Administration acquired the site and designated it as the new home of The Department of Homeland Security. The campus master plan was approved in December 2009.



Construction at St. Elizabeths will consist of three phases with the first phase including U.S. Coast Guard Headquarters breaking ground in January 2010. Full occupancy of the campus is expected in 2016.

Sustainability in Design

The St. Elizabeths Campus project is utilizing multiple sustainable measures to reduce environmental impacts and long term operating costs. These planned measures meet or exceed government mandates on building operation and LEED energy requirements.



- Majority of buildings are pursuing LEED 2009 Gold certification
- The site is located near public transportation and has been designed as a pedestrian and shuttle campus reducing vehicular traffic
- Majority of existing structures designed for reuse reducing the new construction footprint
- Concrete material from demolished structures was crushed and recycled for use as site access road material
- Onsite utility cogeneration plant
- Onsite storm water runoff will be reduced by 47% through the use of multiple infiltration pits and a staggered release system as not to overwhelm existing utilities
- Several native trees located in construction areas were relocated to holding areas to be replanted after construction
- Use of recycled and regional building materials was specified where available
- Strict recycling guidelines have been established for all construction debris
- Reduction in heat island effect by use of underground parking

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Under Construction

U.S. Coast Guard Headquarters

The United States Coast Guard Headquarters project is the first project at the new DHS St. Elizabeths campus. The project is under construction and will feature several construction and operating measures in accordance with its proposed LEED v2.2 Gold certification.



- Over 400,000 square feet of green roof used for storm water management and energy efficiency
- Storm water management system including wet ponds, bio-swales and step pools to handle storm water runoff for entire campus
- Enhanced commissioning of all building systems for maximum efficiency
- Use of green housekeeping measures after completion and occupancy
- Use of low-emitting construction materials and furnishings

Construction Facts



- Groundbreaking ceremony September 9th, 2009
- Over 1.6 million cubic yards of earth removed to date
- Over 92,000 cubic yards of concrete placed to date
- 8 Tower cranes currently in operation
- 11 story 1.2 million square foot office building with adjacent parking garages and utility plant
- Includes campus security fencing, access roads and gate entries
- Projected completion in Q1 2013
- Project team utilizing apprenticeship and small business participation plans