



NGA and LEED®

In August 2011, the National Geospatial-Intelligence Agency's East Campus (NCE) facility, located on Fort Belvoir North Area in Springfield, Va., was officially recognized for achieving gold certification under the U.S. Green Building Council (USGBC), Leadership in Energy and Environmental Design (LEED), Version 2.2 for New Construction and Major Renovations rating system.

Authorized by the 2005 Base Realignment and Closure Act, the facility was designed and built using environmentally-friendly and energy-saving strategies and practices. The U.S. Army Corps of Engineers began construction of the facility in September 2007.

NGA Campus East (NCE) "Green" Design

The NCE facility was certified as meeting the USGBC LEED Version 2.2 Green Building gold standards on Aug. 18, 2011. NCE achieved 40 of 51 possible points under the gold level, which requires a minimum of 39 points for certification.

NGA qualified for the gold certification by meeting the following five key performance areas, with additional credit for innovation and design process:

- Sustainable sites
- Water efficiency
- Energy and atmosphere
- Materials and resources
- Indoor Environmental Quality

NCE's efficiency design factors include:

- Heat reflecting low-E (emissivity) glass
- Energy efficient light fixtures with motion sensors or controls
- Carbon dioxide detectors and construction materials specified as low/no Volatile Organic Compounds (VOCs) and/or certified as 50 percent new wood-base products
- Rainwater collection systems that save up to 2.5 million gallons of water per month
- Ethylene Tetrafluoroethylene, or ETFE, transparent roofing system to provide light and save energy
- Water saving low-flush toilet fixtures, saving 8 million gallons of water a year

Additionally, construction specifications encouraged local manufacturing to reduce transportation and carbon emissions, and the overall building design takes advantage of the sun's orientation to help regulate heating and cooling in the building.

Leadership in Energy and Environmental Design (LEED)

LEED is an internationally recognized green building certification system developed by USGBC that provides independent, third-party verification that a building or company was designed and built using strategies to achieve high performance in human and environmental health.



LEED provides building owners and operators, including federal agencies such as the Department of Defense and departments of Agriculture, Energy and State, with a framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

LEED promotes sustainable building and development practices through a suite of rating systems that recognize commercial and residential project that implement strategies for better environmental and health performance. The LEED rating strategies are developed through an open, consensus-based process lead by LEED committees, made up of volunteers from across the building and construction industry.

Promoting a whole-building approach sustainability, LEED measures projects for certification on the following five key performance areas:

- Sustainable sites
- Water efficiency
- Energy and atmosphere
- Materials and resources
- Indoor Environmental Quality

Providing both environmental and financial savings, LEED-certified buildings are designed to do the following:

- Lower operating costs and increase asset value
- Reduce waste sent to landfills
- Conserve energy and water
- Ensure healthier and safer conditions for occupants
- Reduce harmful greenhouse gas emissions
- Qualify for tax rebates, zoning allowances and/or other incentives, as available at location



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About NGA...

As a Department of Defense Combat Support Agency and a member of the U.S. Intelligence Community, NGA provides geospatial intelligence, or GEOINT, in support of U.S. national security and defense, as well as humanitarian assistance and disaster relief. GEOINT is the exploitation of imagery, imagery intelligence and geospatial data to describe, assess and depict features and activities and their location on the Earth.

Approximately two-thirds of the NGA workforce is assigned to NGA Campus East, and approximately one-third is assigned to the two St. Louis facilities. In addition, NGA professionals are continuously deployed to worldwide locations providing intelligence expertise in support of national defense objectives.