

U.S. Consulate General Tijuana

LEED® Certified



The U.S. Consulate General in Tijuana, Mexico is a Leadership in Energy and Environmental Design (LEED®) Certified building. The Consulate General joins an elite group of buildings in Mexico earning this certification.

Site 9.4 Acres | Project Cost \$95 Million | Occupancy July 2011

Sustainable Sites

The Consulate General is located in the Mesa de Otay neighborhood. Stormwater runoff from the Mesa affects the region as a whole. The ground was mostly clay, which means very little water is absorbed. To mitigate this concern, the design incorporated underground chambers to lessen peak runoff rates, actually keeping the rate below what it was before the site was developed. This reduces erosion, and the potential for pollutants to be carried to other sites.

Water Efficiency

The building is calculated to use 31% less water than the performance requirements of EPA Act 1992. This is accomplished through the use of waterless urinals, automatic shut-off faucets, and low-flow plumbing fixtures.

Energy and Atmosphere

The consulate was designed to reduce energy costs by 15% compared to the calculated baseline (ASHRAE 90.1-2004). The consulate employs many energy-efficient technologies including occupancy sensors for lights; electric traction elevators; and variable frequency drives for pumps, fans, and motors. A Building Automation System monitors building systems and allows facility staff to dynamically respond to local climate and operational demands.

Indoor Environmental Quality

Employees and visitors benefit from a superior indoor environment. By monitoring CO₂ levels, optimal amounts of fresh air are provided to occupants. Outside air is filtered with HEPA and carbon filters.

Low-emitting materials were selected to reduce potential off-gassing after installation. Adhesives, sealants, paints, coatings, and furniture systems all contain low quantities of volatile organic compounds.

Enhanced Commissioning

The enhanced commissioning processes focused on quality control from inception to acceptance of high performance systems. Commissioning Agents verified that the building's major equipment is running properly, and is operating as designed. This enhanced process is estimated to save 3% to 5% of annual energy consumption within the building.

Architect Integrus Architects

Contractor Caddell Construction Co.

Landscape SPVV Landscape Architects

Civil CH2MHILL

Structural Integrus Architects

MEP MW Consulting Engineers

Commissioning KSJ Resources
