

LEED Gold Certification Fact Sheet – 155 Fifth Street

University of the Pacific’s San Francisco campus received recognition for its resource-efficient building at 155 Fifth Street, earning LEED Gold Certification from the U.S. Green Building Council in November 2014. The Council evaluated the building for its sustainable site, water efficiency, energy and atmosphere, material and resources, indoor environmental quality, innovation and regional priority credits.

The U.S. Green Building Council and LEED

The U.S. Green Building Council (www.usgbc.org) is a nonprofit organization committed to expanding sustainability in the built environment. Its mission is to transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy and prosperous environment that improves the quality of life. LEED (Leadership in Energy and Environmental Design) is a voluntary, consensus-based national rating system for developing high-performance, sustainable buildings. Developed by USGBC, LEED addresses all building types and emphasizes state-of-the-art strategies for sustainable site development, water savings, energy efficiency, materials and resources selection, and indoor environmental quality. LEED is a voluntary rating system for green building design and construction that provides immediate and measurable results for building owners and occupants.

Building Facts and Features

LEED Scorecard

LEED Facts	
for LEED BD+C: New Construction (v2009)	
Certification awarded Nov 2014	
Gold	64
Sustainable sites	20/26
Water efficiency	3/10
Energy & atmosphere	18/35
Material & resources	7/14
Indoor environmental quality	10/15
Innovation	5/6
Regional priority credits	1/4

Floor area	359,915 ft ² total (Code calculation not including basement and penthouse areas)
Typical floor plate	49,000 ft ² each floor
Number of stories	7 stories
Building address	155 Fifth Street, San Francisco, CA 94103

Qualifying Criteria

The building was evaluated across a wide set of criteria. Highlights are listed below.

- **Sustainable Sites**
 - The campus repurposed a building in a dense, urban neighborhood, reducing urban sprawl and the pressure to develop in environmentally sensitive areas.
 - Bike racks and showering facilities were installed to encourage building occupants to bike instead of driving.
 - The garage sets aside two parking spaces for low-emitting and fuel-efficient vehicles.
 - Interior lighting was designed to automatically reduce the power of all non-emergency lighting that has a direct line of sight to the exterior by more than 50% during evening hours.

- **Water Efficiency**
 - The building achieved an overall water use reduction of approximately 35% through ultra low-flow lavatories, low-flow showers and low-flush toilets.
 - Drought-resistant plants and drip irrigation have resulted in a 50% potable water use reduction for irrigation.
- **Energy & Atmosphere**
 - The building's HVAC systems contain no CFC-based refrigerants, reducing the building's impact on the ozone.
 - A two-year renewable green energy contract provides 35% of the base building's electricity from renewable sources.
- **Material & Resources**
 - 155 Fifth Street reused more than 95% of the structural and envelope elements.
 - The Construction Waste Management Plan diverted over 75% of the project's construction and demolition waste from being disposed in landfills.
 - 50% of wood-based products used by the building were harvested in accordance with the Forest Stewardship Council's Principles and Criteria. FSC wood has been specified for base building finishes such as doors, trim and cabinetry.
- **Indoor Environmental Quality**
 - The building features increased ventilation provided by HVAC systems.
 - Smoking is prohibited inside the building and on the property within 25 feet of entries and windows.
 - Low-emitting materials were used in flooring, paints, furniture and other materials
- **Innovation in Design**
 - Low-mercury lighting has been installed.
 - A whole-building green cleaning program reduces the exposure to toxic chemicals.
 - Ergonomic elements are installed.

Dugoni School of Dentistry

LEED BD+C: New Construction (v2009)

GOLD, AWARDED NOV 2014

Category	Points	Status	
SUSTAINABLE SITES	AWARDED: 20 / 26		
SSc1 Site selection	1/1		
SSc2 Development density and community connectivity	5/5		
SSc3 Brownfield redevelopment	1/1		
SSc4.1 Alternative transportation - public transportation access	6/6		
SSc4.2 Alternative transportation - bicycle storage and changing rooms	1/1		
SSc4.3 Alternative transportation - low-emitting and fuel-efficient vehicles	3/3		
SSc4.4 Alternative transportation - parking capacity	2/2		
SSc5.1 Site development - protect or restore habitat	0/1		
SSc5.2 Site development - maximize open space	0/1		
SSc6.1 Stormwater design - quantity control	0/1		
SSc6.2 Stormwater design - quality control	0/1		
SSc7.1 Heat island effect - nonroof	1/1		
SSc7.2 Heat island effect - roof	0/1		
SSc8 Light pollution reduction	0/1		
WATER EFFICIENCY	AWARDED: 3 / 10		
WEc1 Water efficient landscaping	0/4		
WEc2 Innovative wastewater technologies	0/2		
WEc3 Water use reduction	3/4		
ENERGY & ATMOSPHERE	AWARDED: 18 / 35		
EAc1 Optimize energy performance	9/19		
EAc2 On-site renewable energy	0/7		
EAc3 Enhanced commissioning	2/2		
EAc4 Enhanced refrigerant Mgmt	2/2		
EAc5 Measurement and verification	3/3		
EAc6 Green power	2/2		
MATERIAL & RESOURCES	AWARDED: 7 / 14		
MRC1.1 Building reuse - maintain existing walls, floors and roof	3/3		
MRC1.2 Building reuse - maintain interior nonstructural elements	0/1		
MRC2 Construction waste Mgmt	2/2		
MRC3 Materials reuse	0/2		
MRC4 Recycled content	1/2		
MRC5 Regional materials	0/2		
MATERIAL & RESOURCES	CONTINUED		
MRC6 Rapidly renewable materials	0/1		
MRC7 Certified wood	1/1		
INDOOR ENVIRONMENTAL QUALITY	AWARDED: 10 / 15		
EQc1 Outdoor air delivery monitoring	1/1		
EQc2 Increased ventilation	1/1		
EQc3.1 Construction IAQ Mgmt plan - during construction	1/1		
EQc3.2 Construction IAQ Mgmt plan - before occupancy	0/1		
EQc4.1 Low-emitting materials - adhesives and sealants	1/1		
EQc4.2 Low-emitting materials - paints and coatings	1/1		
EQc4.3 Low-emitting materials - flooring systems	1/1		
EQc4.4 Low-emitting materials - composite wood and agrifiber products	0/1		
EQc5 Indoor chemical and pollutant source control	1/1		
EQc6.1 Controllability of systems - lighting	1/1		
EQc6.2 Controllability of systems - thermal comfort	0/1		
EQc7.1 Thermal comfort - design	1/1		
EQc7.2 Thermal comfort - verification	1/1		
EQc8.1 Daylight and views - daylight	0/1		
EQc8.2 Daylight and views - views	0/1		
INNOVATION	AWARDED: 5 / 6		
IDc1 Innovation in design	4/5		
IDc2 LEED Accredited Professional	1/1		
REGIONAL PRIORITY	AWARDED: 1 / 4		
MRC1.1 Building reuse - maintain existing walls, floors and roof	1/1		
WEc2 Innovative wastewater technologies	0/1		
WEc3 Water use reduction	0/1		
TOTAL	64 / 110		
40-49 Points CERTIFIED	50-59 Points SILVER	60-79 Points GOLD	80+ Points PLATINUM

The complete LEED Scorecard can be found at www.usgbc.org/projects/dugoni-school-dentistry