

Engaging Building Occupants: LEED's Pilot Credit

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THE PRESENTER



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LEED's Pilot Credit: Occupant Engagement

Overview

Discuss occupant experience as a KPI for building performance

Introduce LEED's Pilot Credit: Occupant Engagement

Explain how YOU can participate in the pilot credit process

The LEED program is the preeminent global green building program and is currently in use in more than 120 countries.

Every day 1.6 million SF of building space is certified to LEED — with existing buildings outpacing new construction by 15 million sf on a cumulative basis.





Building Performance Partnership

A partnership between USGBC and building owners to optimize building performance through data collection, analysis and action. BPP will transform the way the world views efficient building operations.

Performance Reports

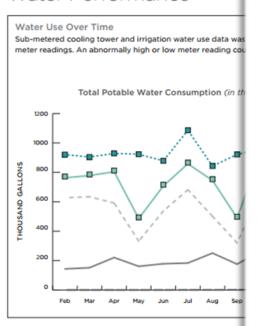
General Facility Chai

LEED PROJECT NAME:

Sample Building	
ADDRESS:	Sample Street San Francisco, (
BUILDING OWNER:	Property Manag
BUILDING TYPE:	Office
LEED CERTIFICATION:	LEED EB O&M, April 2010
GROSS SQUARE FOOTAGE:	1,052,296
YEAR BUILT:	1973
# OCCUPANTS:	3977
# PC'S:	3714
Weekly Hours:	55

Energy Efficiency Measures from LEED Certification Documents Existing Building Commissioning- Implementation Whole Building Metering

Water Performance



Energy Performance

Site Energy Use Intensity (EUI)

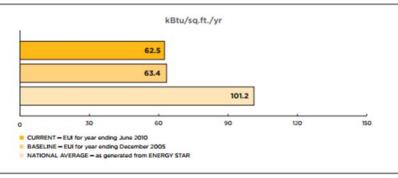
This facility is currently using 51% less energy per square foot than similar facilities in the U.S. Total site EUI has decreased 2% from the baseline year.

The ENERGY STAR Rating has increased indicating an improvement in energy performance relative to other similar buildings in the U.S.

Energy Use: (Current EUI: 62.5 kBtu/sq.ft/yrs) Current ENERGY STAR Rating: (baseline is 87)

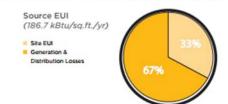
42%

88



Total Greenhouse Gas Emissions

With the current fuel mixture in this facility, approximately 2.0 Btu's of energy are lost in transmission and distribution for every Btu used on site.



For the 12-month period ending June 2010, this facility was responsible for 5,918 MtCO2e attributed to energy use. This is a 2% increase from the emissions from the baseline year ending December 2005.

EMISSIONS: (5,918 MtCO2e for 07/09-06/10)

12%



LEED's KEY METRICS

TRANSPORTATION

WATER

ENERGY

WASTE

EXPERIENCE



MEASURING THE IMPACT OF OCCUPANT EXPERIENCE ON BUILDING PERFORMANCE

Occupant Satisfaction Occupant Behavior



FOCUS

Enable occupants to exhibit and perform efficient behavior in buildings in order to improve overall performance

Determine metrics to use when measuring the influence of occupant behavior on building performance (e.g., kWh/FTE, therms/FTE, gallons/FTE)

APPROACH

LEED Pilot Credit 59: Occupant Engagement





COMPONENTS

Education

Empowerment

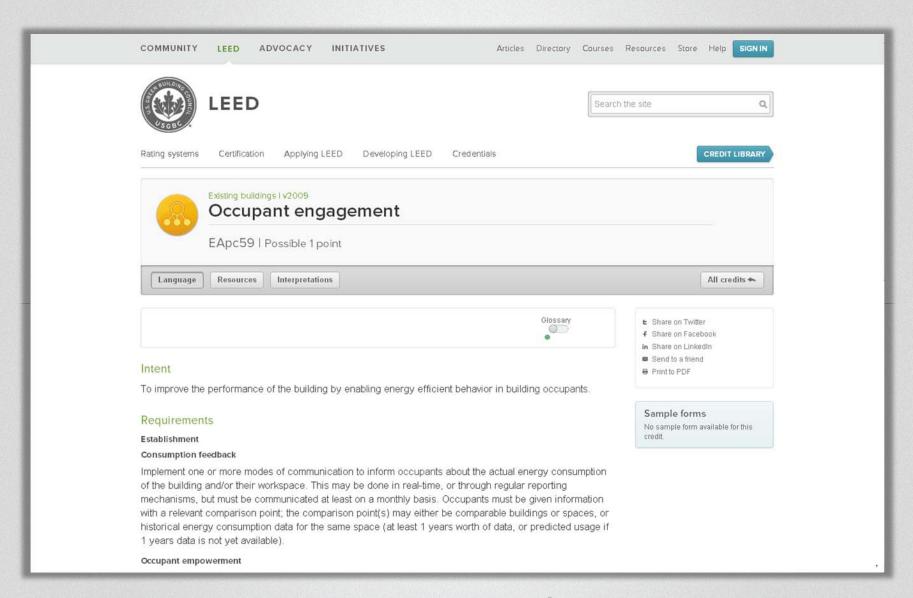
Feedback

Performance goals

Engagement

Pilot Credit Library

- 1. Try it out
- 2. Provide feedback
- 3. Submit your own!



new.usgbc.org/credits

THAN Myou

for your attention

CONTACT



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