

Christine SE Magar, RA, AIA, LEED® AP
Architecture and Sustainable Design

Experience and Qualifications

As a veteran of sustainable initiative development and implementation for public as well as private entities, Ms. Magar brings a level of global thinking not often found in the consulting trade. She is an international contributor to sustainable design efforts and offers proven expertise in design, theory, building science, and management. Her background encompasses architecture, urban design, interiors, and furniture design in diverse contexts including municipal, utility, design firm, and academic environments.

Christine has served as leader, facilitator and manager for complex construction projects that focused on energy efficiency and sustainable design, and she is experienced in leading projects from conception through commissioning while building consensus among diverse stakeholders. She has excelled as an effective educator in both academic and non-academic contexts including USC, Iowa State University, SCI Arc, Southern California Edison-CTAC, Southern California Gas Company-Energy Center, and City of LA DWP. She has developed and delivered hundreds of presentations, peer-reviewed papers, exhibits, and seminars on sustainable design issues.

Since joining the USGBC National LEED Steering Committee in 2001, Christine has been instrumental in steering the development of the LEED Green Building rating system. While the organization's LEED Core & Shell rating system was being developed she was vice-chair of Core and Shell Committee. She was also chair of the AIA-LA Committee on the Environment, and has served on the LAUSD High Performance Schools Working Group, CHPS Technical Committee, City of Seattle's Green Building Team, and the City of LA Sustainable Design Task Force. Her current role as President of Greenform, a Los Angeles-based woman business enterprise, allows her to remain dedicated to managing people, ideas, and decision-making in the area of sustainable design. Christine directs Greenform's efforts in developing sustainability guidelines and assisting clients through identifying specific green building needs and giving project direction from a holistic point of view. Under her guidance, the firm has developed proprietary software that allows intensive evaluation of green strategies on projects and weighs their benefits and effectiveness against project goals, budgets and constraints.

Career Summary

Greenform, Los Angeles, 2005 - present. President

Green building consulting, sustainability consulting, and LEED® management. Key accomplishments include:

- Managing more than \$1 billion in LEED® certification and improvement projects, Clients include LAWA - LAX, LA Live Hotel and Residences, The Boeing Company, Coca-Cola Enterprises, Eastern Municipal Water District, University of California Irvine, Pasadena Unified School District, KPCC Radio Station, Maguire Properties and many office buildings and multifamily mixed-use projects.
- Wilshire Center Carbon Master Plan. Master plan 80% carbon reduction by 2050 for a Business Improvement District representing 37 million SF existing buildings--building retro-fits, transportation diversity, stormwater management, district alternative energy generation and open space.
- Tom Bradley International Terminal Modernization. Provided green building assessment and LEED report, LEED management and Green Building Signage design

Southern California Edison, Los Angeles, 2003 - 2005. Architect and Project Manager

Managed multiple simultaneous projects from design through construction and commissioning and developed educational exhibits, seminars, and print materials. Key accomplishments included:

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- Managed demonstrations of emerging technologies in energy efficiency for commercial, residential, agricultural, and industrial customers.
- Created a prototype for relocatable classrooms for the Pomona Unified School District.
- Led development of widely adopted classroom day and electric lighting guidelines for the Los Angeles Unified School District.
- Managed development of a Real-Time Metering Exhibit for NRDC's Southern California headquarters, highlighting the new headquarters as a model of sustainable design and energy efficiency.

City of Seattle, 2001 - 2002. Capital Project Manager

Green building consulting and management of multiple simultaneous projects from design through construction and commissioning. Key accomplishments included:

- Worked with diverse stakeholders to establish a framework for Green Building development standards for the City of Seattle.
- Designed and managed the construction of improvements to a 62-story office building to meet Silver LEED® targets and Green Building standards. These included a light- shelf retrofit, bamboo furniture, and a state-of-the-art conference center.

Altoon + Porter Architects LLP, Los Angeles, 1999 - 2000. Project Architect

Lead design manager and project manager for multiple large overseas retail projects from design through construction. Key projects included:

- Marina Square, Singapore. 1 million-SF existing urban retail mall renovation, with emphasis on natural light and energy efficiency.
- Botany Town Center, Auckland, New Zealand. 650,000-SF retail village. Sustainable site and building systems include displacement ventilation, integrated smoke exhaust ventilation, wetlands, infiltration/retention basins, local plants and materials, and a local arts program.

Johnson Fain Partners, Los Angeles, 1998. Project Architect and Urban Designer

Green Building and sustainable design consulting and guidelines development. Established guidelines and performance specifications for multiple projects. Key projects included:

- Capital Area East End Project, Sacramento. 1.5 million-SF of office space in five high-performance buildings built to green building and performance specifications based on the LEED® rating system.
- Los Angeles County Natural History Museum. 400,000-SF museum alteration/addition. The work conformed to pre-established sustainable design principles.

Christine Magar Studio, Los Angeles, 1991 - 1997. Principal

Design and project management, emphasizing natural light and ventilation, energy efficiency, and waste reduction. Key projects included:

- Anheuser-Busch Sales Training Center, Los Angeles. 12,500-SF office building alteration/addition involving natural light and ventilation, experimental materials, and collaboration with local artists. The design reinforces the Mayan tradition as the Los Angeles regional design precedent.
- Meeting Hall, Rancho San Antonio Boys Home, Los Angeles. 15-acre master plan and 10,000-SF green building classroom/meeting hall. The design features natural light, ventilation, and energy efficiency, and minimized construction waste.
- SCI-Arc Lecture Hall, Los Angeles. 2,000-SF interior renovation. The design minimized construction waste by using off-the-shelf wood-stud and substrate materials and created a metaphorical Islamic prayer rug using linoleum tile flooring.

Academic

- Southern California Edison, CTAC: classes on CHPS, LEED, Classroom Lighting
- Southern California Gas Company/Sempra, Downey Energy Center: four day seminar on LEED
- City of Los Angeles, Department of Water and Power: four day seminar on LEED
- USC, ISU & SCI-Arc, Los Angeles, 1991 - 1997, Lecturer. Courses included graduate and undergraduate thesis, studios (all levels), graduate advanced drawing, graduate theory, and traveling studio.

Selected Publications

- 2010. *"Seven Principles for Achieving Sustainability,"* in *Sustainable Partnerships*. New York: Springer
- 2009. *"Greening Existing Communities,"* in *Sustainable Communities*. New York: Springer
- 2009. *LEED 2009 Rating Systems and Reference Guides*, LEED Steering Committee, USGBC
- 2006. *LEED-CS Reference Guide*, (Collaboration), USGBC
- 2006. *Los Angeles Metro Green map*, (Collaboration)
- 2004. *"Classroom 2004. 'Classroom Lighting Guide',"* (Collaboration)
- 2004. Christine Magar, Southern California Edison; Rob Watson, Dimitris Klapsis, Rob Bolin, Susan Munves, Gayle Petersen, Gregg Ander, *"Natural Resource Efficiency Designed in New Urbanism: A Partnership Designing Efficient Buildings in Efficient Communities,"* (paper); ACEEE Summer Study, Monterey, CA.
- 2004. Gregg D. Ander, R. Anthony Pierce, Christine Magar, Eric Jones; *"High Performance Relocatable Classrooms,"* (paper). ACEEE Summer Study, Monterey, California.
- 2004. *"LEED as a driver for emerging technology,"* (paper). ACEEE Emerging Technology Summit, San Francisco, California.

Selected Exhibitions

- Just Furniture Pieces: "Monkey Portraits." Crafts and Folk Arts Museum, Los Angeles. 1999 . Four sustainably designed tables made with a digitized woodcut from one 4-foot-by-8-foot wheat-board substrate with exotic species veneer.
- Splice: "Rubber Latex Tree." Side Streets Gallery, Santa Monica. 1998 Interactive exhibit with 33 rubber stamps, using latex paint and the gallery wall. The exhibit highlights the environmental benefits of trees.
- Sexual Politics: "Womenhouse" and "Kant's Vanity." (Collaboration.) Armand Hammer Museum, LA. 1996 Available online at www.cmp.ucr.edu/womenhouse

Credentials

Registered Architect, State of California
LEED Accredited Professional
Registered WBE, DBE, State of California, City of Los Angeles

Affiliations

US Green Building Council
American Institute of Architects
Committee on the Environment (COTE)
City of Los Angeles, Green Code Committee

Education

Yale University, School of Architecture, Masters Environmental Design
University of Southern California, School of Architecture, B.A. Architecture
California Polytechnic State University, School of Architecture and Environmental Design, B.S. Architecture

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