

Lawrence O. Lile, P.E., LEED AP, CEM
Lile Engineering, LLC
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Representative Energy Experience:

LEED commissioning agent – Eco Schoolhouse at Columbia Public Schools, Columbia MO
Responsible Electrical Engineer for LEED addition to Boonville, MO National Guard Armory
Energy Audit Report for Mexico Service Center, Mexico, MO
Utility Risk Analysis for Stanford Hospital and Clinics, Palo Alto, CA
Utility Systems Survey for Mt. Sinai Hospital, New York, NY
Commissioning services for Chiller #4 Renovation at The Methodist Hospital, Houston TX.
Retro-Commissioning audit of the Main Building & Central Plant of the Methodist Hospital in Houston, TX

Patents Allowed:

US 6,307,182 Electric appliance having a proximity sensor
US 6,198,077 Temperature compensated timing circuit for use in heating appliances
US 6,789,463 Methods and systems for alerting a user to clean appliance
US 6,753,510 Methods and systems for quickly heating items
US 6,759,635 Cooking system for sensing the status of a food item

Qualifications:

Certified Energy Manager – Association of Energy Engineers - 2010
Appointed to the Boone County Energy and Environment Commission – 2009, Vice Chair 2011
Licensed Professional Engineer - State of Missouri (#EN 023942), Arizona (#42972), California (#17827), Illinois (# 062049524), Oklahoma (#22523).
LEED AP BD&C 2009
LEED Accredited Professional – 2006
Graduate coursework – HVAC systems engineering – UMC engineering school 1986.
Certified Energy Auditor, State of Missouri Department of Natural Resources - 1980
Bachelor's Degree in Electrical Engineering - University of Missouri - 1979 - graduated With Honors.

Current Employment:

Chief Engineer at Lile Engineering, LLC. Sole proprietor engineering firm specializing in commissioning, LEED outsourcing, and energy auditing.

Previous Employment:

Senior Electrical Engineer, Project Solutions Engineering 2005-2011 (formerly Questec Engineering). I returned to this employer after a 10 year hiatus. I was responsible for all electrical designs at Project Solutions general engineering division. Key projects include 3 MW diesel generator replacement at a hospital in Oklahoma City, 4160 volt 2000 ton chiller replacement as part of a Demand Side Management program with a utility in Houston TX, and renovation of the historic Missouri Theatre in downtown Columbia Missouri. I passed the LEED Accredited Professional test on the first try in 2006. I have been as active in the Green building movement as time allows. I supervise electrical designers and interface with electrical bidders and subcontractors. I manage staff, projects, set budgets and estimate costs. I author reports and work on energy conservation projects.

Senior Project Engineer, Toastmaster Inc. 1995-2005. At Toastmaster I developed over 20 new commercial products with electronic controls. My duties included project management, microcontroller design, electronics quality control, interfacing with suppliers, supervising technicians and draftpersons, and manufacturing support engineering.

Consulting 1995 – 2004 I have operated a small consulting business producing custom electronics and software for clients in the Midwest area. I have developed camera pan/zoom controllers, and written control/monitoring software for a cryogenic refrigeration system used in the Keck Observatory, among other projects.

Project Engineer - Questec Corporation 1991-1995

As one of three licensed engineers at Questec, I was responsible for electrical power, lighting, and HVAC controls design for a variety of projects. My responsibilities included client relations, design, specification writing, supervising draftpersons, project

administration and construction administration. Our primary focus was building systems engineering, which often included HVAC controls, electrical, and structural design for facilities ranging in size from single family dwellings to 400 bed hospitals.

Project Engineer - A. B. Chance Co. 1990-1991

My responsibilities included process control and tooling for a pultrusion line producing fiberglass insulating poles, rods and tubes. Some of my duties included developing and improving processes, hiring and managing outside contractors, tooling design and purchasing.

Technical Support Specialist - Datastorm Technologies 1989-1990

My primary responsibilities included providing telephone and online technical support for PC based communications software. I was also involved in beta testing new products including DOS and Windows based software.

Project Engineer - Froeschner Associates (7/87 to 8/89, and 6/85 to 12/85)

My responsibilities included electrical power, lighting, and HVAC controls engineering for a variety of projects. I worked at this firm full time during two periods, plus part time during the interim. A major project was a renovation of the mechanical and lighting systems at Shelter Insurance corporate offices.

Design engineer - University of Missouri Campus Facilities (12/85 to 7/87)

My responsibilities included electrical power, lighting, and HVAC controls engineering for a variety of projects.

1980 – registered as a Certified Energy Auditor with the State of Missouri. I worked as an independent energy auditor, recommending energy conservation measures for schools and commercial facilities.

From 1980 to 1985 I operated a small farm in Cooper County Missouri.

References:

Please contact the following professionals, who will be glad to answer any questions you may have about my work.

Dr. Beverly Borduin
(Retired) Principal, Grant Elementary School
(573) 449-2409
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I worked with Beverly Borduin on the Eco-Schoolhouse project. Dr. Borduin has said that "Mr Lile responded very well to our questions, worked very well with us, and was very thorough" throughout the project.