
LAWRENCE H. GREEN, P.E.

Title: Mechanical Engineer

Education: Bachelor of Science ➤ Master of Science ➤ Mechanical Engineering
➤ University of Nevada, Reno.

Licenses: Mechanical Engineer, Nevada #M-7834, California #M-31631

Experience & Qualifications: Mr. Green has more than thirty years of mechanical engineering experience, including mechanical design of commercial and institutional facilities, high-temperature piping systems, and geothermal energy systems.

LARRY HAS OVER THIRTY-YEARS OF DESIGN AND PROJECT MANAGEMENT EXPERIENCE, PRIMARILY IN THE AREAS OF COMMERCIAL, EDUCATIONAL, AND GEOTHERMAL ENERGY FACILITY DESIGN

Mr. Green has provided the mechanical design for conventional HVAC systems, laboratories, ground-source heat pump systems, industrial ventilation systems, district heating systems, and solar thermal systems. He has been part of a university facilities services team responsible for all mechanical aspects of new and remodel construction, including design of systems, selection and management of design professionals, contractor bid evaluation, construction management, energy retrofits, and system commissioning. As operations manager of a geothermal power plant, he was responsible for all aspects of operations and maintenance including management of staff and consultants, engineering and construction supervision of plant improvements, implementation of safety and training programs, and management of permitting compliance.

In the area of geothermal power generation, he has provided project feasibility studies and economic analyses, design of plant efficiency and reliability improvements, and provided engineering design and project management including preparation of plant construction drawings and specifications, testing protocols, and erection and operation and maintenance manuals. He has been a supplier of major plant equipment to projects world-wide, responsible for vendor/supplier management, skid-mounted equipment shop fabrication and assembly, preparation of factory testing and quality assurance protocols, logistics management, installation and start-up management at site, and customer training.

SAMPLE PROJECTS (PERFORMED AT PREVIOUS EMPLOYERS):

UNIVERSITY OF NEVADA, RENO

Designed many high-temperature hot water piping systems associated with the campus district heating system, evaluated and managed energy conservation projects, and provided review and direction to mechanical consultants.

OPEN MOUNTAIN ENERGY

WABUSKA NEVADA GEOTHERMAL PLANT

Provided project management for fast-track construction and installation of a 4-unit modular geothermal power plant, including management of the project design team, construction contractors, and installation crew. The plant was built and commissioned in six months.

GEOTHERMAL POWER GENERATION

Responsible for management of the project design team for plants in the US, Kenya, Indonesia, and Papua New Guinea. Worked as a supplier of major plant equipment and systems, including installation construction management, start-up, and commissioning.