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# LAWRENCE H. GREEN, P.E.

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**Title:** Senior Mechanical Engineer

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

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

**Professional Affiliations:** American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), American Society of Plumbing Engineers (ASPE), Society of Fire Protection Engineers (SFPE), International Ground Source Heat Pump Association (IGSHPA)

**Experience & Qualifications:** Larry has more than 30 years of mechanical engineering experience, including mechanical design of commercial and institutional facilities, high-temperature piping systems, and geothermal energy systems.

Larry 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 projects. 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.

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LARRY HAS OVER  
30 YEARS' DESIGN  
EXPERIENCE,  
PRIMARILY IN THE  
AREAS OF  
COMMERCIAL AND  
GEOTHERMAL  
SYSTEMS.

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## PROJECTS:

UNIVERSITY OF NEVADA, RENO  
VARIOUS PROJECTS  
Performed at Previous Employer

OPEN MOUNTAIN ENERGY  
WABUSKA NEVADA GEOTHERMAL  
PLANT  
Performed at Previous Employer

GEOTHERMAL POWER  
GENERATION  
Performed at Previous Employer

As both an employee and consultant working on campus for several decades, Larry has designed many high-temperature hot water piping systems associated with the campus district heating system. Most of these designs involved strict parameters needed to ensure the campus's preferred insulation method (powder insulated backfill) is constructed and applied appropriately. Larry has also evaluated and managed many energy conservation projects on campus which included providing review and direction to design consultants.

Larry provided project management for the 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.

As part of his illustrious resume in the geo-thermal industry, Larry has been responsible for management of the project design team for new and existing geothermal plants in the United States, Kenya, Indonesia, and Papua New Guinea. In his various project rolls, Larry also worked as a supplier of major plant equipment and systems, including installation construction management, start-up, and commissioning.