



## MARK HAUSTEIN

REGISTERED PROFESSIONAL ENGINEER, CERTIFIED COMMISSIONING AGENT,  
ACCREDITED PROFESSIONAL IN LEED – BUILDING DESIGN AND CONSTRUCTION

### CONTACT INFO

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PHONE:  
EMAIL:  
MAILING ADDRESS:

### PROFESSIONAL LICENSES AND CREDENTIALS

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- ◆ Registered Professional Engineer - Arizona, California, Missouri, Nevada, Texas, Washington, Wisconsin
- ◆ AABC Certified Building Commissioning Agent (CxA)
- ◆ ASHRAE BEAP (Building Energy Assessment Professional)
- ◆ LEED (Leadership in Energy and Environmental Design) Accredited Professional in Building Design and Construction

### BOARDS AND COMMITTEES

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**2012 - Present:** Board Director for Western Nevada Development District (WNDD): Economic Development for 5 Nevada Counties and 5 cities with mission to fund infrastructure, [www.wndd.org](http://www.wndd.org)

**2012 - 2018:** ASHRAE Sustainability Chair of Northern Nevada

**2016 - Present:** County Engineer for Pershing County, NV

### WORK EXPERIENCE

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**2012 - Present: UC Won, Founder** - an intellectual property development collective with core patents in clean energy and sustainable markets

- ◆ Developing RenewGeo technology – Solar Augmented Geothermal Energy
- ◆ Regulatory work before the Nevada PUC representing independent geothermal power producers

**1998 - Present:** Technical Designs, Founder and Principal

- ◆ Designed over 6 million square feet of commercial and industrial projects
- ◆ Over 4.5 million square feet of LEED and Energy Star projects
- ◆ Over 2 million square feet of project commissioning
- ◆ NOAA Lab Buildings in Seattle and Santa Cruz
- ◆ Trex Manufacturing Plant in Fernley, NV
- ◆ Combined Heat and Power and Controls Integration for Hotel Nikko in San Francisco

**1994 - 1998:** Glumac International (now TetraTech), San Francisco and Seattle, Founded Seattle Office in 1996

**1989 - 1994:** Trane Company Account Executive, San Francisco, CA

**1984 - 1989:** Trane Company Sales Engineer, Dallas, Texas

### EDUCATION

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- ◆ Bachelor of Science, Chemical Engineering, University of Kansas, Lawrence, KS

### SKILLS

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- ◆ US Patent 9,343,903 - Methods and systems architecture to virtualize energy functions and processes into a cloud based model
- ◆ US Patent 9,885,173 – Multiple Layered Radiant Active Assembly
- ◆ Development of open source control software
- ◆ 3D parametric design modelling based on object-oriented data structures
- ◆ Computer modelling of energy grid infrastructure and environmental attributes

References can be provided upon request.



November 21, 2019

Sheryl Gonzales, Executive Director  
WESTERN NEVADA DEVELOPMENT DISTRICT  
1000 N. Division Street, Suite 102 B  
Carson City, NV 89703

To Whom It May Concern:

This letter will serve as confirmation relative to Mark Hauenstein's participation with Western Nevada Development District (WNDD).

Mr. Hauenstein began his involvement with WNDD as the Energy Chair for the WNDD Stronger Economies Together (SET) program which was launched in 2012 in partnership with the USDA Rural Development agency. Mr. Hauenstein's involvement with this program included serving as the Energy Chair with a regional committee that focused upon the role energy played in the economic vitality of the region. This role expanded when a state wide economic development conference was established by WNDD and Mark developed and presented energy related sessions with guest speakers again related to energy and the economic vitality of the region and the state. Mr. Hauenstein served as the Energy Conference Chair for four years.

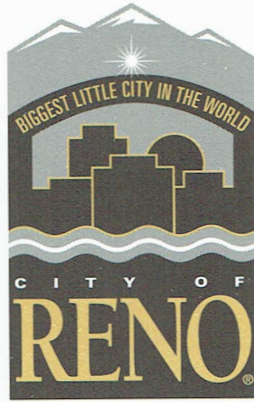
Currently Mr. Hauenstein serves on the Board, appointed by the City of Lovelock. WNDD member agencies include 7 counties and 5 cities to which each of the agencies select up to 3 Board members that include an elected official, appointed official and a business representative. Mr. Hauenstein has served on the WNDD Board since 2016.

If you should have any questions, do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Sheryl Gonzales". The signature is fluid and cursive, with the first and last names clearly legible.

Sheryl Gonzales, Executive Director  
WESTERN NEVADA DEVELOPMENT DISTRICT



October 7, 2019

Mark Hauenstein  
President  
Technical Designs  
1150 Selmi Drive, Suite 504  
Reno, NV 89512

Dear Mark,

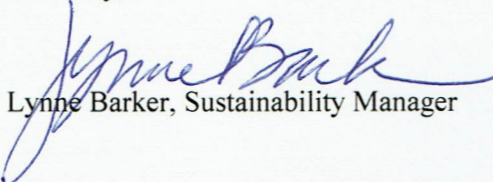
Thank you for Technical Designs' generous support that allowed the City of Reno to participate in the City Energy Project. We wanted to express our gratitude for your long-standing and continued support of local action on climate solutions, particularly energy and water efficiency in large commercial buildings. Your support has enabled us to launch many new and impactful programs, particularly a building energy benchmarking and transparency policy, ReEnergize Reno—a locally branded, community-wide Better Buildings Challenge, and Commercial Property Assessed Clean Energy, all of which were designed to accelerate investments in energy efficiency.

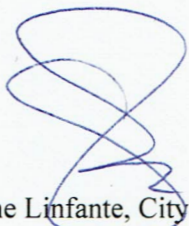
Because of your support, we were also able to expand local knowledge and expertise through industry education and technical support, and a more focused building operator training and certification program. Additionally, we developed a process to improve code compliance of the 2018 International Energy Conservation Code to ensure that buildings are achieving the energy efficiency gains intended.

The City of Reno benefited from the guidance, support and resources provided by the City Energy Project staff, and the peer-learning exchange among participating cities. The funding you and others provided was critical to the advancement of our program. It allowed us to overcome staff and financial limitations, and strengthened our ability to take ambitious actions on climate change. The city completed all of the initiatives in our grant proposal, and has been held up as an example of a city that can advance complex programs.

We are proud to share the results of our efforts through the enclosed report. The policies and programs created as a result of your support will provide long-lasting benefits to **The Biggest Little Sustainable City**, for which we are tremendously grateful.

Sincerely,

  
Lynne Barker, Sustainability Manager

  
Suzanne Linfante, City Energy Advisor

News Release

Mark Hauenstein  
Technical Designs

For Immediate Release:  
November 11, 2019

**Technical Designs announces LEED Silver Certification for JCPenney Reno Distribution Center**

Reno, NV, November 11, 2019 – Technical Designs is pleased to announce that JCPenney has received LEED Silver Certification for their Distribution Center in Reno, NV.

This is the second time this 1.6 million square foot facility has been awarded LEED Silver Existing Building certification and as the LEED consultant for JCPenney Reno, Technical Designs continued the work and programs started during the initial certification. Mark Hauenstein, president of Technical Designs, said, “When you walk the facility, you experience one of the best distribution centers in Northern Nevada and documenting their Energy Star and LEED performance validated the hard work by the JCPenney team.”

“Achieving LEED certification is more than implementing sustainable practices. It represents a commitment to making the world a better place and influencing others to do better,” said Mahesh Ramanujam, president and CEO, USGBC. “Given the extraordinary importance of climate protection and the central role of the building industry in that effort, JCPenney demonstrates their leadership through their LEED certification of the Reno Distribution Center.”

JCPenney participates under “ReEnergize Reno” and is committed as a community leader to help the City of Reno reach its 2025 goal to improve the efficiency of commercial, industrial, and multifamily buildings by 20% and reduce climate pollution.

About Technical Designs - Established in 1998 and headquartered in Reno, Nevada, Technical Designs is a national consulting firm that provides green engineering expertise and related services to a wide range of businesses, non-profits and public-sector organizations. Technical Designs is committed to helping building owners explore sustainable ways to maximize the return on their built investment and seek out clients that believe a holistic sustainable approach is a marketable advantage that returns social and financial dividends.