

DOCKETED

Docket Number:	16-HERS-01
Project Title:	HERS Providers' Application for the 2016 Standards
TN #:	211801
Document Title:	CalCERTS, Inc. Quality Assurance Team Qualifications (Exhibit N)
Description:	N/A
Filer:	Shelby Gatlin
Organization:	CalCERTS, Inc.
Submitter Role:	Applicant
Submission Date:	6/13/2016 4:14:41 PM
Docketed Date:	6/13/2016

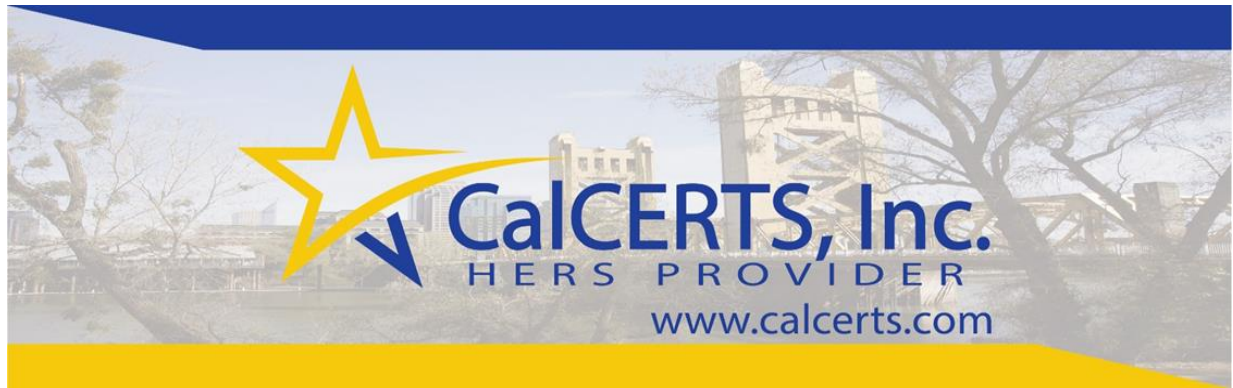


EXHIBIT N

CalCERTS, Inc.

Quality Assurance Team

Qualifications

Mark W. Wiese

QUALIFICATIONS

- 6 years of experience with a Title 24 HERS Provider; Quality Assurance Manager and HERS Trainer.
- Strong knowledge of California Building Energy Efficiency Standards Title 24, part 6.
- Proficiency with EnergyPro, Wrightsoft, and AutoCAD.
- CalCERTS certified HERS Compliance and Whole House Home Energy Rater.
- Strong understanding of the building industry having over 10 years of experience as an architectural drafter, and 5 years in sales, production and management of a door and millwork shop.
- Proficient with Microsoft Excel, Word, Outlook, PowerPoint and OneNote.

PROFESSIONAL EXPERIENCE

May 2010 - Present: CalCERTS Inc., Folsom CA, Quality Assurance (QA) Manager:

- Responsible for all CalCERTS Home Energy Rating System (HERS) QA schedulers and Field Reviewers, review and disposition of all QA field results, and communication with HERS Raters regarding these results.
- Developed or integral in developing protocols for QA field reviews, reporting and dispositions, HERS Rater Title 24 support, complaint resolution, and QA reporting and communication with the CEC.
- Additional responsibilities include HERS Rater Training, Title 24 field support, and complaint processing and resolutions.

September 2009 - May 2010: Sierra Building Science, Inc. Sacramento, CA.,

- Assisted in training, curriculum, and product development.

2000 - 2010: Draft Person; self-employed, Auburn CA.

- Commercial and residential architectural drafting.
- Developed drawing system within AutoCAD that was adopted by the Architects and designers I worked with.
- Cabinet and millwork design and detail drafting.
- Mechanical Drafting.

1998 - 2000: Sierra Group Exhibits, Grass Valley CA, Draft Person:

- Implemented new drawing systems and standards with AutoCAD that greatly reduced production costs.

1996 - 1998: Quantum Event Services - Rocklin CA, Draft Person:

- Developed drawing system and standards introducing AutoCAD 3D design and drafting.

1990 - 1996 Basic Endeavors Colfax CA, Manager:

- Sales, production, and management of door and millwork shop.
- Member of the Board of Directors

EDUCATION

- A.A. Liberal Arts & Humanities, Sierra College, Rocklin CA.
- Graduated Beaverton High School, Beaverton OR.

ADDITIONAL

- Trained volunteer, Court Appointed Special Advocate (CASA) for foster youth within the family court system; Superior Court of California, County of Placer.

Michel Fourcroy

Qualifications

Education includes a Master's Degree in Electrical Engineering which provides a solid foundation for learning/assimilating new energy efficiency and renewable energy technologies.

Senior Technical Associate at CalCERTS, Inc. with four years of teaching experience presenting certification courses for HERS Raters throughout California. Authored training manuals and PowerPoint class presentation for six days of training to represent the 2013 Title 24 Energy Efficiency Standards that took effect 1 July 2014. Also provide customer support for interpretation of Title 24 code requirements as applicable to HERS verifications and compliance.

Eight years of experience in residential construction business with a general building contractor's license (B license, currently inactive) focused on renovations and additions to existing homes. Became certified as an Energy Star Home Performance Contractor and integrated home performance retrofits into the construction business.

Project manager at Space Systems Loral for five years delivering space qualified payload hardware for communication satellites. Managed engineering teams responsible for mechanical and electrical design, development, and fabrication. Acting Program Manager with PMO guidance for sub-contracts with French aerospace company Alcatel Space. Primary customer interface for all contractual and technical issues.

13 years of experience as Design Engineer at Raytheon Company developing microwave antennas, circuits and sub-systems for Department of Defense contracts. Hands-on experience in all phases of design, fabrication, assembly, integration and test including extensive computer modeling and microwave test techniques.

Training/Skills

- Master's Degree in Electrical Engineering, UC Santa Barbara.
- Office Software: Strong command of Microsoft Word, Excel and Power Point.
- Building modeling: Strong command of EnergyPro, basic knowledge of CBECC.
- CABEC - CEPE credential (interested in pursuing CEA credential)
- HERS Certifications: Alterations, New Construction, Non-Residential, HERS II – Whole House Rater, Energy Star, Solar.
- BPI Certifications: Envelope Professional, Building Analyst, Multi-Family Building Analyst
- Previously held a PMI-CAPM credential (Certified Associate in Project Management)

Professional Experience

2010 – Present

Sr. Technical Associate at CalCERTS, Inc., Folsom, CA

- Curriculum Development – Developed complete curriculum to coincide with the 2013 Residential Energy Code updates which took effect 1 July 2014. Deliverables included training manuals, instructor guides, hands-on lab activities, exams and PowerPoint presentations for (6) days of training.
- Instructor – Certification training, including lecture and hands-on instruction, for candidates seeking to become certified as HERS (Home Energy Rating System) Raters in California.
- Technical support to resolve customer issues related to code requirements and the CalCERTS registry.

2002 – 2010

Self Employed – General Building Contractor (B-license), Cameron Park, CA

- Entered residential construction assisting an owner builder on a new house participating in most trades from foundation through finish.
- Gained a general contractors license and focused on re-models, additions and home performance retrofits.
- Aligned business with BPI and Energy Star Home Performance contracting.

1996-2001

Engineering Specialist Space Systems/Loral Palo Alto, CA

Project Engineer manufacturing microwave assemblies for communication satellites.

- Responsible for schedule and technical performance of space qualified hardware.
- Preparation and presentation of technical design reviews, reports, technical specifications and qualification procedures.

Project Manager for sub-contracts with Alcatel Space Industries (\$3.7M)

- Primary customer interface for all contractual and technical issues
- Negotiation of Terms and Conditions, SOW, schedule and technical specifications.

1983 -1996

Senior Engineer Raytheon Company Santa Barbara, CA

Design and development of microwave circuits, antennas and systems for military defense applications. Experience in all phases of product design, development, test, and integration.

- Extensive computer modeling experience using circuit and system simulation software.
- Design and development of deliverable hardware and test stations in a production environment.
- Proficient with microwave test and measurement techniques.

W. J. "PETE" PETERSON
President/Owner EECTech

QUALIFICATIONS: Five years as Quality Assurance Reviewer, Trainer/Proctor and Strategic Alliance with CalCERTS (2011-Present).

SUMMARY: Veteran USMC enlisted technician/commissioned officer with over 40 years of combined engineering, environmental compliance, energy consulting, and resource conservation experience (government and private industry).

EXPERIENCE:
2010 - Present

Energy Efficiency & Conservation Technologies, LLC (aka EECTech)

Founded EECTech and provided energy consulting services as a CalCERTS Certified HERS Rater/BPI Building Analyst & Envelope Specialist. Performed Duct and Blower Door Leakage; Refrigeration charge & Airflow; Fan Efficacy; Quality Insulation Installation; HERS II Whole House; Energy Efficient Mortgages; Non Residential; Energy Star/Special Energy Programs; and Photovoltaic/Solar evaluations and ratings. Also joined CalCERTS' staff (2011-2012) and performed combustion analysis/safety tests in support of San Diego's Energy Upgrade California Multifamily Housing Program. Currently contracted to perform certified Raters' QA Reviews, assist with Raters' FV/DT training, and proctor Title 24 HERS Compliance Examinations.

1997 - 2010

PEPSICO (FRITO-LAY Division): RESOURCE/SENIOR RESOURCE/MAINTENANCE TEAM LEADER

Managed and developed teams of 5-45 mechanics/technicians across 3 shifts. Directed projects that promoted processing equipment; high speed packaging; service & distribution; plant facilities; energy efficiency and resource conservation enhancements. Similarly doubled as the resident environmental compliance expert. Employed coaching, mentoring, interpersonal, and technical skills to analyze and resolve issues and promote continuous improvement (developed work group to level 3 of 4 CI levels).

MILITARY
BACKGROUND:

**USMC: MAINTENANCE MANAGER/COMPANY COMMANDER/
ENLISTED TECHNICIAN**

- Standardized maintenance procedures for various organizations employing 45-1000 workers. Oversaw equipment maintenance and repair, and directed the maintenance and spare parts procurement efforts of personnel with over 25 various technical skills (including 20

plus commissioned officers). Served on Commanding Officer's special planning staff for all operations involving equipment maintenance/reliability.

- Spearheaded audit teams that conducted over 100 detail analysis of logistics and maintenance management policies and procedures for 50 plus maintenance organizations. Functioned as the Commandant of the Marine Corps' direct field representative in analyzing the effectiveness of maintenance management policies and procedures for all ground tactical equipment in the western division of the U.S.
- Managed logistics and maintenance planning for deployment of units varying in sizes from 100 to 1200. Identified logistics and technical skill requirements. Trained personnel and oversaw the performance of preventative and corrective maintenance.
- Developed programs of instructions and conducted formal training in engineer construction and utilities equipment (electrical, water distribution, and HVAC systems) maintenance. Conducted job analysis, determined performance objectives, and established evaluations standards to measure training performance. Served as Company Commander/Chief Instructor at Marine Corps Engineer Schools.
- Troubleshoot, diagnosed and repaired electrical power distribution, engineering heavy construction, water distribution and HVAC systems. Performed as enlisted repair technician.

EDUCATION: MS, Human Relations Management, Golden Gate University and BA, Psychology/Sociology (double major), East Carolina University

CalCERTS Certified HERS Rater:

- Residential Alterations
- Newly Constructed Homes
- Non-Residential
- Whole House Rater
- Special Energy Programs
- Energy Star Rater
- RCA-I
- RCA-II
- Solar

Von McGhie

Quality Assurance Reviewer

QUALIFICATIONS

- 3 ½ years experience as a HERS Quality Assurance Reviewer.
- Experience as a compliance specialist for Nevada Housing Division's 'Low Income Weatherization Program.'
- Experienced in home energy auditing, weatherization, and whole house retrofits. Thirty plus years of hands on experience in the construction industry as a general contractor, superintendent, and project manager of production home projects.
- Strong background in all aspects of Home Energy Compliance Services
- Bilingual - Spanish & English

PROFESSIONAL EXPERIENCE

November 2009 - Present: Contract Vendor for CalCERTS Inc., Folsom CA

Quality Assurance (QA) Reviewer and Instructor:

- Responsible for Quality Assurance field verification scheduling, testing, and reporting.
- Title 24 HERS instructor and proctor.

October 2009 - July 2012: Contract Vendor for Nevada Housing Division

Compliance Specialist

- Performed independent energy audit investigations for residential compliance; Nevada Housing Division's Weatherization Program

January 1978 - Present: Von McGhie Construction & ResiComp

Licensed General Contractor

- Responsible for all aspects of the business including construction, general office administration, finance and budgeting, and supervision of subcontractors.
- Bid and negotiation of work contracts.
- Work with local, state and federal officials to ensure regulatory compliance.

April 2005 - April 2007: D.R. Horton / Las Vegas

Project manager for Custom Production Home Division:

- Construction management
- Subcontractor and crew supervision
- Site safety and OSHA compliance
- Work with local, state and federal officials to ensure regulatory compliance.

December 2003 - April 2005: American West Development/Las Vegas

Production Home Superintendent:

- Construction management
- Subcontractor and crew supervision
- Site safety and OSHA compliance
- Work with local, state and federal officials to ensure regulatory compliance.

EDUCATION & CERTIFICATIONS

- High School Graduate: Prospect High School - Saratoga California
- West Valley College / San Joaquin Delta College
- Licensed California General Contractor
- California Whole House Home Energy Rater
- California Field Verification and Diagnostic Testing Rater
- Certified Lead Renovator

Tim O'Neil

Quality Assurance Reviewer

QUALIFICATIONS

- 5 years of experience with a Title 24 HERS Provider; Quality Assurance Reviewer.
- Strong knowledge of California Building Energy Efficiency Standards Title 24, part 6.
- CalCERTS certified HERS Compliance and Whole House Home Energy Rater.
- Over 29 years of building industry experience specializing in Title 24 Compliance, carpentry, concrete, remodeling, installation, and repair projects.

PROFESSIONAL EXPERIENCE

August 2011 - Present: CalCERTS Inc., Folsom CA

Quality Assurance (QA) Reviewer:

- Responsible for Quality Assurance field verification scheduling, testing, reporting, summary evaluations, and review.
- Manage scheduling Quality Assurance field verification testing of all active raters in the CalCERTS registry as required in Title 20 of the California Energy Code.
- Title 24 HERS training assistant and proctor.

June 2010 – June 2014: Streamline Installations - Owner, Folsom CA

Installer - Kimberly Clark Products:

- Installed KC dispensers in commercial buildings in all of Northern California per contract.

April 1996- August 2011: O'Neil Construction -- Owner, Folsom CA

General Contractor:

- Construction of custom homes and renovations. Responsible for all aspects of the business including construction, general office administration, finance and budgeting, and supervision of subcontractors.
- Bid and negotiation of work contracts.
- Work with local, state and federal officials to ensure regulatory compliance.

June 2009 - April 2010: St. John the Baptist Catholic Church, Folsom CA

Facility Maintenance & Management:

- Supervised and assisted with ongoing building maintenance.
- Prioritized needed repairs of all buildings and performed cost effective repairs expediently and efficiently.

EDUCATION & CERTIFICATIONS

- California Whole House Home Energy Rater & Field Verification and Diagnostic Testing Rater, August 2011, Updated, May 2015
- Energy Star Certification- September 2013, Updated, June 2014
- Special Energy Programs Certification- January 2013, Updated, June 2014
- Solar Homes Certification - March 2013, Updated, June 2014
- HVAC Technician Certification, EPA Clean Air Section 608 - August 2011
- International Code Council, Building Inspector UBC - May 10, 2007
- Carpentry Apprenticeship Program - Certificate of Completion - Oct, 1993
- Asbestos Awareness Certificate - January, 2011

ADDITIONAL

Volunteer Projects and Coordination

- Relocated historic building "Emma's Place" from old Folsom to Natoma St.
- Tour Leader, Boy Scout Troop 94
- BSA Certified Lifeguard
- Pack 94 Cub Scout Event Chairman
- Eagle Scout Project Coordinator
- Grand Knight, Knights of Columbus Council 6197

Roy Mittleider

Technical Associate

QUALIFICATIONS

- 3 years of experience with a Title 24 HERS Provider; Instructor, Quality Assurance Reviewer.
- Strong knowledge of California Building Energy Efficiency Standards Title 24, part 6.
- Over 25 years of experience in the area of residential and commercial construction.

PROFESSIONAL EXPERIENCE

June 2011 - Present: CalCERTS Inc., Folsom CA

Technical Associate / QA Field Reviewer:

- 3 years of instructor experience presenting certification courses for HERS Raters throughout California.
- Responsible for all aspects of renovation of the Building Performance Center including supervision of subcontractors, and working with local and state officials to ensure regulatory compliance.

May 2004 - Present: RLM Construction, Owner/Builder

General Contractor:

Duties include all aspects of owning a construction company. Marketing, conference booth management, sales, bidding, advertising, bookkeeping, payroll, managing sub-contractors for custom homes and retrofits.

- Production supervisor and builder for new home construction and remodels.
- Research and development for greener building, solar inverters, and off grid home located in Lotus on the American River.
- Designed, implemented and installed battery backup systems for solar home in Lotus.
- HVAC prep work and install.
- Solar system design and implementation.
- Installed tankless water heaters, design and installed passive cooling systems.
- Custom designed Lighting, LED, Fluorescent, low voltage and solatubes (natural lighting).
- Radiant floor heating systems and tile.

2003 - 2004: Jr's Handyman Service, Owner

- Duties included: sales, advertising, bookkeeping, management, networking, and contractor. Refurbished rental homes, worked with pest control companies, analyzed reports and complete repairs per inspections.

2000 - 2003: Sterling Roofing, Owner

- Duties included: bidding, management, production supervisor, and builder.
- Installed standing seam metal roofing and composition roofing for public works projects.
- Fabrication of metal systems such as trims, gutters, and flashings.

EDUCATION

- AAS Degree in Criminal Justice and Emergency Management; Institute of Technology, Citrus Heights

CERTIFICATIONS

- BPI Analyst Certification #5035714
- California Whole House Home Energy Rater & Field Verification and Diagnostic Testing Rater #CC2006093
- Active California General Contractor's License Class B #921023.
- Active Bureau of Security and Investigative services License #1694685.
- Active Adult Corrections Officer CORE Certification #5391-54325
- Active Basic Life Saving Healthcare Provider.
- Emergency Medical Technician 1 Basic.

Todd Kler
Quality Assurance Reviewer

QUALIFICATIONS

- 2 1/2 years of experience with a Title 24 HERS Provider; Quality Assurance Reviewer.
- Strong knowledge of California Building Energy Efficiency Standards Title 24, part 6.
- CalCERTS certified HERS Compliance and Whole House Home Energy Rater.
- 19 years of experience in the HVAC and home energy field.

PROFESSIONAL EXPERIENCE

January 2014 - Present: CalCERTS Inc.

Quality Assurance (QA) Reviewer:

- Responsible for Quality Assurance field verification scheduling, testing, reporting, summary evaluations, and review.
- Provide hands on training, support, and assistance to Raters.

June 2013 – June 2014: Canyon Air Service, CA

Assistant Manager & Sales Associate

- Arrangement & Supervise Construction Projects. Sales, Customer Service, Purchasing & Estimating. Perform HVAC service and repair

June 1997 – Present: Sunland Service, CA

Service Support

- Arranged, Supervised, Installations and Performed HVAC service repair. Estimating, Purchasing, Sales & Customer Service
- Assisted in HERS field verification. Proficient in refrigerant charging, Infrared Imaging, and Energy Testing Equipment

March 2011 – July 2013: WCCR Construction, CA

CDL Class A Driver

- Transport, Deliver & Pick-up: Material, Machinery, Heavy Equipment, Parts in a timely manner
- Heavy Equipment Operator

December 2008 – January 2010: Proctor Engineering Group, CA

CDL Class A Driver

- Assured that State Public Utility standards were met by contractors through onsite inspections
- Assisted in training contractors, Proficient with refrigerant charging, and Energy Testing Equipment

EDUCATION & CERTIFICATIONS

- Associate in Commercial Flight; Mt. San Antonio Community College, Walnut, CA
- Bachelor of Science Aviation Management; Southern Illinois University, Carbondale, IL
- Graduated Upland High School, Upland CA
- Private Pilot Certificate; Cable Air, Upland, CA
- California Whole House Home Energy Rater
- California Field Verification and Diagnostic Testing Rater
- BPI Envelope
- AC/HeatPump & EPA Refrigeration Certificate
- CDL Class A with Doubles/Triples, HazMat, Tankers

Steve Mann

Instructor / Quality Assurance Reviewer

QUALIFICATIONS

Steve Mann has been involved in the construction business for more than 25 years and is well known for his expertise in energy analysis and sustainable building practices. His specialty as a builder is extremely energy-efficient residential gut renovations and small additions, with completed projects from San Francisco to San Luis Obispo. Steve's focus is to assist architects, contractors, developers, real estate professionals, and homeowners with sustainable design and construction practices and high-performance home construction.

SELECTED ACHIEVEMENTS

- 3 years as a CalCERTS-certified HERS instructor (all levels) and Quality Assurance Rater.
- Former Chairman of California Association of Building Energy Consultants (cabec.org).
- Home Energy magazine contributing editor (5+ years), specializing in modeling software analysis, residential construction certification programs, and home performance.
- Former QA/QC Project Manager for Build It Green, overseeing the PG&E Energy Upgrade California existing buildings incentive program.
- Expert in California utility incentive programs, helping clients maximize and receive overlooked incentives and rebates based on optimized energy modeling.
- Worked with the public housing authorities of the City of Fresno, Santa Barbara County, and San Luis Obispo County on multifamily projects as HERS rater and energy consultant.
- Former President and Treasurer for Habitat for Humanity, San Luis Obispo County.
- Participation in multiple subject matter expert groups for GBCI, the LEED credentialing authority.
- Designer and builder of the first gut remodel LEED for Homes project in San Luis Obispo county, Platinum certified.
- Steve is an EPA Energy Star partner, DOE Zero Energy Ready Homes partner, and EPA Indoor Air Plus partner.

PROFESSIONAL EXPERIENCE

Build It Green (6/2011 – 6/2012)

Senior QA/QC Program Manager for PG&E's Energy Upgrade California program. Duties included developing desktop review and field auditing protocols, training in-house and field QA staff in those protocols, developing Basic and Advanced Training modules for participating contractors, and delivering those modules to more than 400 contractors over a six-month period. Training scope included basic building science, BPI and PG&E combustion testing, renovation techniques, PG&E program requirements, and energy modeling.

Home Energy Services (2005 – present)

Energy Consultant/principal. Projects include energy modeling (Title 24, national HERS standards, new and existing whole-house and multifamily CA, and Passive House standards), HERS inspections for new construction, utility rebate analysis and processing, tax credit assistance, design consulting, energy efficiency auditing and mortgage assistance, and green certifications, including Green Point Rated (new, existing, and multifamily homes), LEED for Homes, and Energy Star. Related credentials include CA HERS Rater (all levels), BPI Building, Envelope, and Multifamily Analyst, Certified Energy Plans Examiner (residential and non-residential), Certified Energy Analyst (residential), LEED AP+ Homes, LEED for Homes

Green Rater, and Certified Passive House Consultant.

SLO Revo, Inc (1993-2005)

Principal of this software development firm, specializing in contract and commercial mobile computing applications development, with special emphasis on wireless applications. Expertise resulted in presenting seminars at several international developer conferences and producer of several developer conferences.

MADA (1992-1993) – Non-profit Managing Director

Farallon Computing (1989-1990) - Multimedia Product Manager Apple Computer (1988-1989) - Business Software Evangelist Peat, Marwick, Mitchell & Co. (1983-1986) - Senior Consultant

CURRENT CERTIFICATIONS

- California-certified HERS rater--all levels.
- LEED AP+ Homes Accredited Professional and Certified LEED Green Rater.
- CABEC Certified Energy Analyst for residential energy code compliance modeling.
- Certified Passive House Consultant and PHIUS+ Passive House Rater.
- EPA-certified Energy Star 3.0 Rater, all residential types.
- DOE-certified Zero Energy Ready Homes verifier.

EDUCATION

Steve is a graduate of the Sonoma State Green Building Program, attended John Hopkins University, earned his Bachelors and Masters degrees in Computer Science from the University of Maryland, and his MBA in Accounting from Golden Gate University.