Proposed Utility QA Exemption
City of Richland

The City of Richland (COR) request exemption from Climate Crafter (or equivalent) third party quality assurance. COR meets the requirements proposed to and adopted by the RTF.

1. *Qualified inspection staff.* At this time the city has a staff member and a contract consultant who are both certified by Climate Crafters (instructor Bruce Manclark) in Residential Air Distribution Systems. See attached certifications and resume.

   Lori Sanders, certification #
   Martin Sheeran, certification # R02-04-0121U

   To date COR has performed 50+ inspections of certified PTCS contractors. A recent Climate Crafters QA of 3 homes confirmed compliance. We are currently using a duct blaster and true flow plates as required by the RTF specifications.

2. *Quality Control Program.* COR currently has 8 contractors that are certified in PTCS duct sealing.

   All-Phase
   Bob Rhodes Heating & Cooling
   Dayco Heating
   Intermountain West Insulation
   Jacobs & Rhodes
   Campbell & Bruce
   Vincent Construction
   Total Energy

   COR will implement a QC program as required by the RTF

3. *Duct Certification Program.* COR will comply with the requirements of the RTF for duct certification

4. *Registry Reporting.* COR shall gather data and maintain a registry of all homes that are certified as PTCS. The registry shall be in the format required and shall be available electronically to the RTF within 5 business days.

CERTIFIED TECHNICIAN

Martin Sheeran

CLIMATE CRAFTERS

The above named individual has successfully completed the Performance Tested Comfort Systems course in:

RESIDENTIAL AIR DISTRIBUTION SYSTEMS
Duct Testing and Sealing

And is hereby certified to perform House Pressure Diagnostics in compliance with Climate Crafters specifications, protocols and standards.

Technician Certification Number:	R02-04-0121U
Date of Certification:	March 29, 2002
Instructor:	Bruce Manclark
Expiration Date:	January 01, 2005

4802 S Jean Street
Kennewick, WA 99337

509-586-0924 home
509-586-4810 fax

Martin Sheeran

Experience

February 2004 to present *City of Richland, Richland, WA*
Energy Specialist

1977–2004 *Benton PUD; Kennewick, WA*
Energy Advisor

- BPA certified auditor and inspector. Perform energy audits and inspections for residential and commercial customers. Make energy recommendations using Blower Door test results. Inspect heat pumps, weatherization work, mobile homes, etc. Establish and maintain corresponding database. Prepare and issue PUD and BPA reports.
- Administer BPA Waterwise program and support Super Good Cents Program.
- Supervised BPA Waterwise Program for irrigation and industrial sector. Manage irrigation program annual KWH irrigation sales with growers, BPA, and consultants (Irrigation Scheduling Program, Hardware and Retrofit Program, Pilot Northwest Irrigation Network Scheduling Program). Initiated and maintained Agricultural Library.

1992 *City of Richland; Richland, WA*
Showerhead Program

- Managed and marketed the City of Richland Showerhead program in a joint venture till the program ended in September.

1990—1994 *Benton Rural Electric Association, Prosser, WA*
Weatherization Program

- Operate and market the Benton Rural Electric Weatherization Program as a General Contractor. Contacting utility customers and meeting utility and customer needs.

Education

1971–1974 *Eastern Washington University; Cheney, WA*

- **B.A., Business Administration.**

1968—1969 Spokane Falls Community College; Spokane, WA

- Associate of Arts Degree.

1965—1968 Gonzaga Preparatory HS; Spokane, WA

- High School Diploma

Current Certifications:

- BPA Auditor/Inspector
- Super Good Cents
- MAP Super Good Cents
- Energy Star Homes
- Climate Crafter (PTCS)
- NWPPA Advanced Heat Pump Training
- CDL Class A

Lori Kays-Sanders

3517 Canal Drive ~ Kennewick, Washington 99336
Home Phone 509-783-0016
Cell Phone 509-727-0394

Consulting History

Owner, Energy Incentives, INC. (formally known as Kays' Energy Consulting)1988- present

- **City of Richland, March 2000- present** My primary responsibilities under the current contract are to perform the duties of Energy Engineer. This includes design and implementation of commercial conservation programs, commercial and residential energy audits, inspections, high bill resolution, Performance Testing and HVAC sizing. I have successfully designed the work plan and procedures for the BPA ConAug (Conservation Augmentation) including a lighting rebate program and a customized commercial rebate program. I have been instrumental in the design of the City of Richland's C&RD program, ensuring optimal use of funds to maximize the City's credit.
- **Klickitat PUD, May 2003 - Nov. 2003** Assisted in the development of inspection procedures and provided training for utility personnel to enable the PUD to qualify for the C&RD program.
- **Nevada Power, 1989-1995** responsibilities included conducting computerized residential energy audits, participated in an Air Conditioning Load Management Program, a commercial lighting rebate program, a heat pump rebate program, and was the primary investigator of high bill complaints with a 100% resolution rate. The original 2 year contract was renewed twice due to my abilities to perform to Nevada Powers satisfaction during peak periods. Managed and trained up to 9 employees.
- **Franklin County PUD 1987-1989** performed inspections for the residential weatherization program according to BPA specifications.
- **City of Richland 1985-1986** performed energy audits and inspections for the residential weatherization program according to BPA specifications.
- **Applied Energy Management Techniques 1985-1987** Researched energy consumption and gathered field data for a pilot commercial energy audit program. Duties included marketing program as well as final presentation to clients.
- **Umatilla Electric Co-op 1985-1986** performed energy audits and inspections for the residential weatherization program according to BPA specifications.
- **Volt Energy 1984-1985** performed inspections for a pilot weatherization program at Benton County PUD.

Employment History

Energy Conservation Representative, City of Seattle 1983 - 1985

Audited residential applications and assisted homeowners to identify appropriate energy conservation programs available for their income level. Recommended conservation measures and inspected completed work for low-income housing. Funding was provided by BPA, HUD, Seattle City Light and a Senior Citizen non-profit organization, requiring knowledge of four different specifications and codes.

Energy Advisor, City of Richland 1981 - 1983,

Originally hired as an Engineering Aide II. Duties included drafting, civil design, LID procedures, and surveying. Promoted to Energy Conservation Advisor performing residential energy audits and inspections according to local building codes and BPA specifications. Returned in 1986 as a contractor for the BPA weatherization program.

EDUCATION

Applied Science in Engineering Technology, Columbia Basin College, 1981
Continued Education in CAD, UBC Compliance and Washington State Nonresidential Energy Code

LICENSES & CERTIFICATES

- Certified "Energy Analyst and Energy Inspector" NWPPA
- Certified "Advanced Energy Analyst" NWPPA
- Commercial Lighting Applications, Las Vegas Illumination Association
- Certified Performance Tested Comfort Systems (P.T.C.S.) Inspector, Climate Crafters

PTCS CERTIFIED TECHNICIAN

Lori Sanders

THE ABOVE NAMED INDIVIDUAL HAS SUCCESSFULLY COMPLETED THE PERFORMANCE TESTED COMFORT SYSTEMS COURSE IN

RESIDENTIAL AIR DUCT TESTING AND SEALING

And is hereby certified to test and seal residential air ducts in compliance with Climate Crafters Performance Tested Comfort Systems specifications, protocols and standards.

CLIMATE CRAFTERS

Technician Certification Number:	**1019**
Date of Certification:	**6/29/2001**
Instructor:	**Bruce Manclark**
Expiration Date:	**6/29/2002**