

Shirley Ellis

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Objective	To utilize my skills to develop and promote safe and energy efficiency building codes and regulations and assist in the proper application for business and personal uses.	
Profile	<ul style="list-style-type: none">• 35+ years of experience in building codes and regulations• In depth understanding of building principles and energy efficiency• Goal-oriented individual with strong leadership capabilities• Organized, highly motivated, with excellent communication skills• Proven ability to work in unison with governmental organizations and building professionals	
Education	B.A., Business Management , Cum Laude, Concordia University at Austin, Texas, 2000 Professional Seminars as provided by ICC, ASHRAE, universities, state and professional organizations	
Summary	Demonstrated achiever in building construction code and standards development with years of service on code development committees and as a contract instructor for national organizations. Skilled at learning new concepts quickly, working well under pressure and communicating ideas clearly and effectively. Strong strategic thinker and team builder.	
Employment	Consultant <ul style="list-style-type: none">• Contract Instructor for the International Code Council and as such provide code training in the areas of energy efficiency, green building, sustainability, fuel gas, code development, plan review, residential and commercial building• Provided training across the U.S., Jamaica and China• Subject Matter Expert – develop and peer review training presentations and workshop materials, certification testing training aids, and publications• Assisted the ICC Evaluation Service (ICC-ES) with the Sustainable Attribute Verification Evaluation (SAVE) Program• Inspector for FHA and VA projects• Assist developers and builders with plan review and code compliance	<i>1995 - present</i>
	Energy Codes Specialist , <i>Energy Systems Laboratory, Texas A&M Engineering Experiment Station, Texas A&M University System, College Station, TX</i> <ul style="list-style-type: none">• Managed certification training programs under contract with the State Energy Conservation Office. Develop and deliver training to building inspectors, builders, architects and designers in Texas and New York• Represent the Laboratory on numerous committees and at conferences in the United States, Berlin, Germany and Shenzhen, China• Assist with the development and analysis of local amendments to energy efficiency standards for municipalities and the State of Texas• Assist with the design of EPA approved simulation software for energy efficiency analysis	<i>2004-2006</i> <i>2008 – present</i>
	Codes and Regulations Manager , <i>US Greenfiber, Charlotte, NC</i> <ul style="list-style-type: none">• Developed long term strategy for dealing with national and state agencies and organizations influencing or affecting cellulose insulation products• Fostered relationships with Federal and State legislatures and national agencies and organizations, including numerous on-site visits to Capitol Hill• Coordinated the update and renewal of the ICC-ES evaluation reports• Assisted the Quality Assurance personnel• Prepared and managed department budget• Assisted coworkers and government officials in understanding applications of cellulose in compliance with building and energy codes	<i>2006-2008</i>
	Adjunct Professor , <i>Austin Community College, Austin, TX</i> <ul style="list-style-type: none">• Developed the Building Codes class syllabus and material based on the ICC codes• Provided training in the Building Construction certification/degree program	<i>2002-2004</i>

- Codes Specialist, *Green Building Program, Austin Energy*, Austin, TX** 2000-2004
- Worked with builders, inspectors and the public in the application of energy efficiency and green building regulations, including classroom training and workshops
 - Completed the leadership enhancement program - Leadership Education and Public Service (LEAPS)
 - Assisted in development of Austin Energy Green Building specifications
 - Drafted local amendments to the International Energy Conservation Code
- Project employee, *Lower Colorado River Authority*, Austin, TX** 1995-1996
- Worked with Good Sense energy efficiency program, provided assistance to 11 electric cooperatives in 9 Texas counties
- Building Official/Inspector, Pampa, Belton, Austin and Bastrop, Texas** 1981 - 1995
- Inspections – Residential, Commercial and Industrial, including high-rise construction and a 1.9 million sq. ft. research laboratory with on-site power generation
 - Subdivision review, zoning, plan review, inspections and code enforcement
 - Flood Plain management
 - Emergency Management, including training as Radiation Control Officer and Shelter Management Officer
 - Office administration, including budget preparation and representation on local boards and commissions

**Publications/
Patents**

Co-writer/Contributor

- Energy Systems Laboratory Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan, Vols. I, II, And III, 2004, 2006, 2007, 2008, 2009, 2012, 2013, 2014, 2015, 2016
- Calculation on NOx Emissions Reductions from Energy Efficient Residential Building Construction in Texas, 2004
- Quantification of NOx Emissions Reductions for SIP Credits from Energy Efficiency and Renewable Energy Projects in Texas, 2006
- Comparing the Commercial Requirements for the 2009 and 2012 IECC Codes for the State of Texas, 2011
- Detailed Stringency Analysis of Suggested Amendments to Chapter 11 of the 2012 IRC and the 2012 IECC that were Submitted to the Texas State Energy Conservation Office, During the March 30-April 30, 2012 Comment Period, 2012

Patents – Co-Developer

- StoyBoard Akuztik Panel – Sound Barrier for temporary construction use

Associations

- ASHRAE - past voting member of SSPC 90.2 (Energy Efficient Design for Low-Rise Residential Buildings), CIS (Code Interaction Subcommittee), TC 4.4 (Building Materials and Building Envelope Performance,) and TC 9.5 (Residential and Small Building Applications); monitor SSPC 90.1 (Energy Efficient Design for High-Rise Residential and Commercial Buildings)
- ICC – currently serving on the Board of directors and a past member of the IECC Code Development Committee, co-founded 3 ICC Chapters and held various offices - Bluebonnet, Central Texas, and the Women In Code Enforcement and Development
- BOAT - Past Secretary, and past member of the Board of Directors, currently a member of the Disaster Assessment Team
- SBCCI –member of Education, Parliamentarian, and Plumbing Code Development Committees
- Texas State Plumbing Inspectors Association - Past Board of Governors
- NAHB – National Green Building Standards (NGBS) update, Co-Vice-Chair of the 2105, Task force committee member on the 2008
- Austin Area Home Builders Association - Education Committee

**Honors &
Awards**

- International Code Council Affiliate of the Year, 2006 and Instructor of the Month, January 2011
- Building Officials Association of Texas Industry Person of the Year, 2005
- Home Builders Association of Greater Austin, Presidents Award, 2005

**Licenses &
Certifications**

- International Code Council – Certified Building Official and Building Inspector (SBCCI) (inactive)
- Texas Board of Plumbing Examiners – Licensed Plumbing Inspector (inactive)
- Texas Commission for Environmental Quality – Licensed On-site Wastewater Installer II, Site Evaluator and Cross-Connection Control Certification (inactive)