

Calculation of Integrated NOx Emissions Reductions from Energy Efficiency and Renewable Energy (EE/RE) Programs across State Agencies in Texas

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LEGISLATIVE RESPONSE

Legislation to reduce energy/emissions 2001 to Present

Senate Bill 5 (77th Legislature, 2001)
Ch. 386. Texas Emissions Reduction Plan
Sec. 386.205. Evaluation Of State Energy Efficiency Programs (with PUC)
Ch. 388. Texas Building Energy Performance Standards
Sec. 388.003. Adoption Of Building Energy Efficiency Performance Standards.
Sec. 388.004. Enforcement Of Energy Standards Outside Of Municipality.
Sec. 388.007. Distribution Of Information And Technical Assistance.
Sec. 388.008. Development Of Home Energy Ratings.

TERP Amended (78th Legislature, 2003)
Ch. 388. Texas Building Energy Performance Standards
HB 1960 Sec. 388.004. Enforcement Of Energy Standards Outside Of Municipality.
HB 1360 Sec. 388.009. Energy Efficient Building Program.
Ch. 388. Texas Building Energy Performance Standards
HB 3230 Sec. 388.009. Certification Of Municipal Inspectors.

TERP Amended (79th Legislature, 2005)
Ch. 382. Health and Safety Code
HB 2120 Sec. 386.056 Development of Creditable Statewide emissions from wind and other renewables.
HB 965 Sec. 382.0275 Commission Action Relating to Water Heaters

TERP Amended (80th Legislature, 2007)
Ch. 382. Health and Safety Code
HB 3060 Sec. 388.003 added subsection (b-1), (b-2), (b-3) that allows SECO to adopt new editions of the IECC based on written recommendations from the Laboratory.
HB 3063 Sec. 388.008 Development of Standardized report formats for newly constructed residences.
Ch. 386.262 Health and Safety Code
HB 1212 Section 386.03 added subsection (b-1), (b-2) allows SECO to adopt new editions of the IECC based on written recommendations from the Laboratory.

TERP Amended (81st Legislature, 2009)
Ch. 382. Health and Safety Code
HB 1790 Section 23 amends Sec. 386.202 (a) and (b) extends date of TERP to 2019 and requires Commission to contract with Laboratory for credible EE/RE emissions reductions.

TERP Amended (82nd Legislature, 2011)
Ch. 477.004 Health and Safety Code
HB 51 Section 2, b-2, establishes advisory committee, which including the Laboratory
Section 3 & 4 amends review of municipal's amendments.
Ch. 388.003a & 388.007c Health and Safety Code
HB 51 Section 3 & 4 amends review of municipal's amendments.
Ch. 388.008 Health and Safety Code
SB 898 Section 2, requires the Laboratory to calculate energy savings and emissions reductions for political subdivisions reporting to SECO.
Ch. 39.9501 Utilities Code
SB 824 Section 1g and Section 2c.d requires the Laboratory to calculate energy savings and emissions reductions for political subdivisions reporting to SECO.

NO new amendments were passed in the 83rd Legislature, 2013



EPA CRITERIA FOR SIP CREDITS

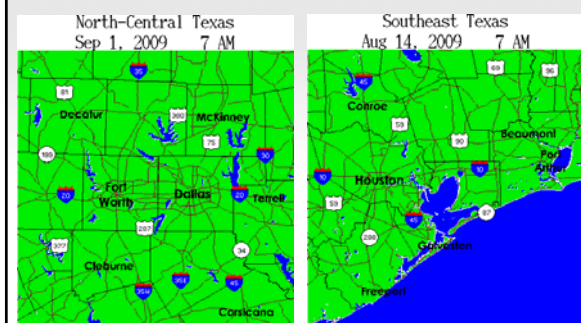
Quantifiable: The emission reductions must be quantifiable and include procedures to evaluate and verify over time the level of emission reductions actually achieved.

Surplus: Emission reductions are surplus as long as they are not otherwise relied on to meet air quality attainment requirements in air quality programs related to your SIP.

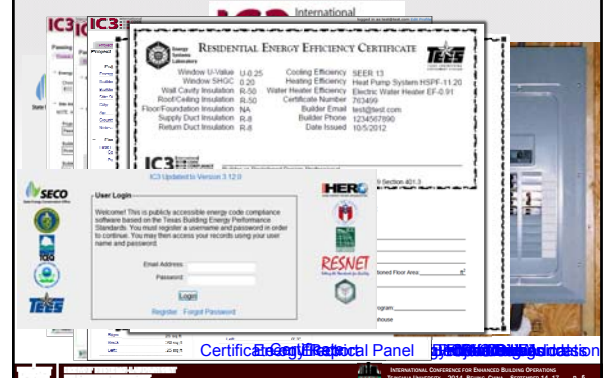
Enforceability: (1) Directly against a source; (2) Against another party responsible for the energy efficiency or renewable energy activity; or (3) Included under our *voluntary measures* policy.

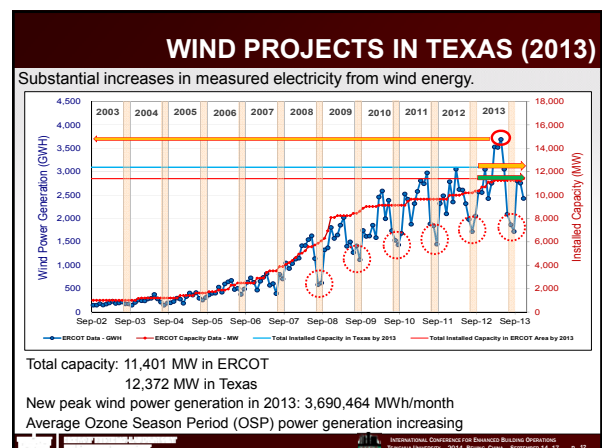
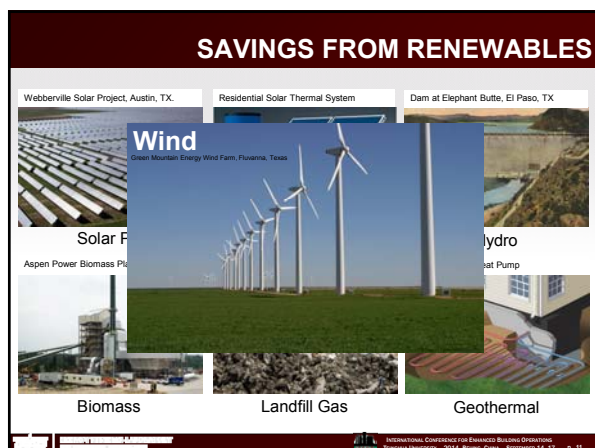
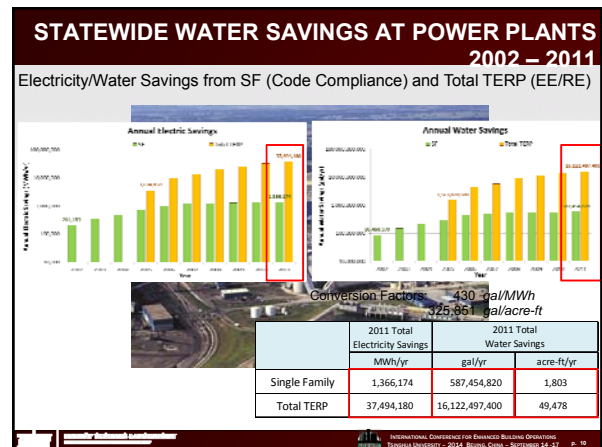
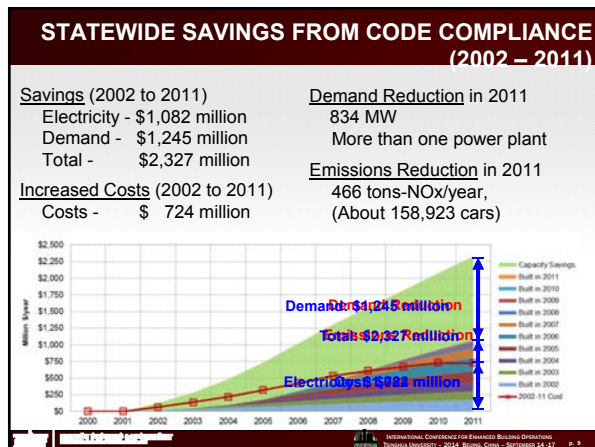
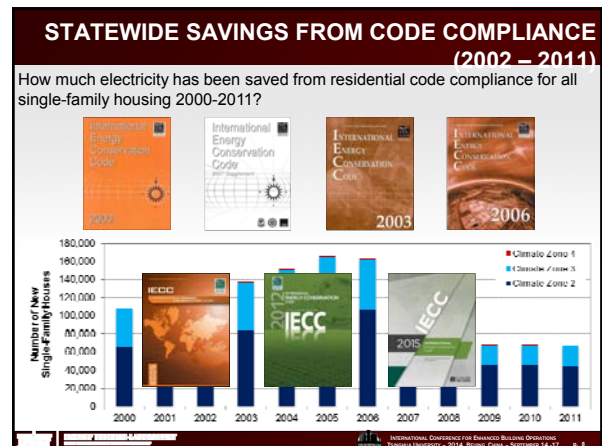
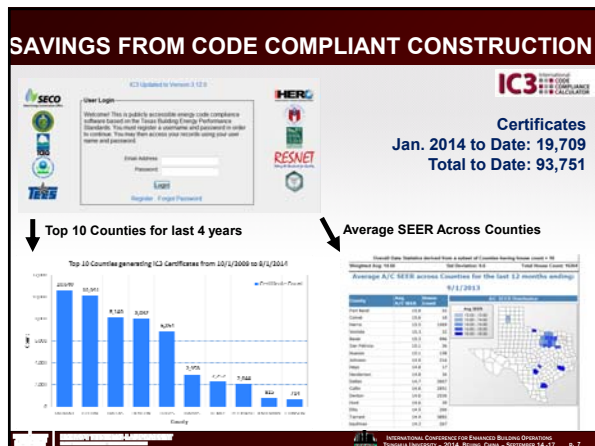
Record Keeping: The measure should be permanent throughout the term for which the credit is granted unless it is replaced by another measure

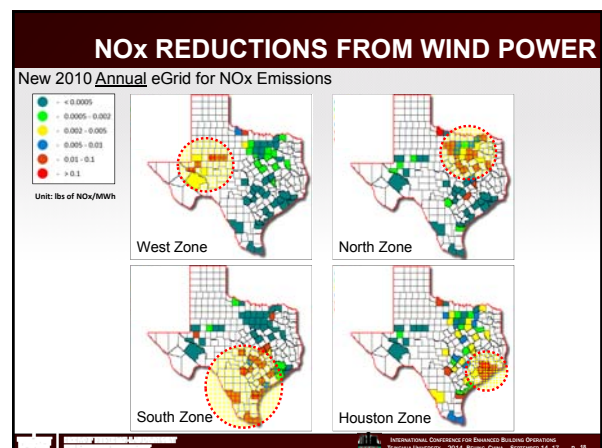
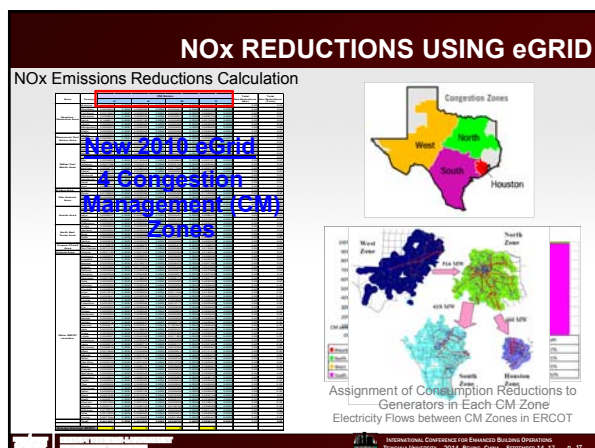
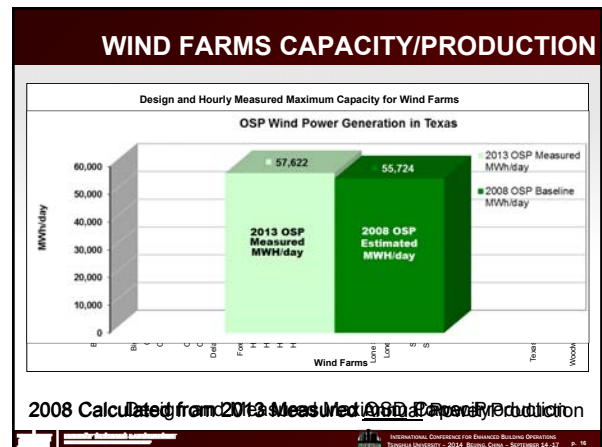
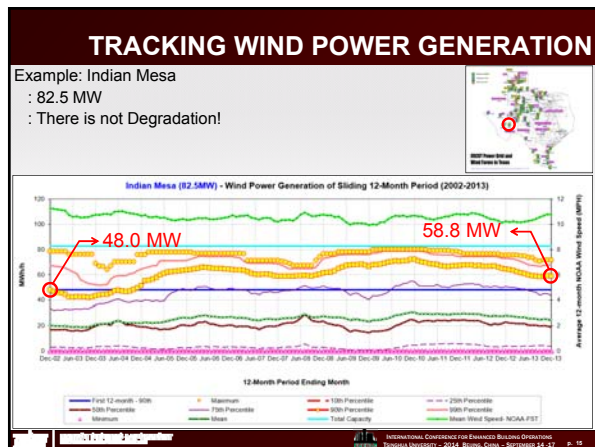
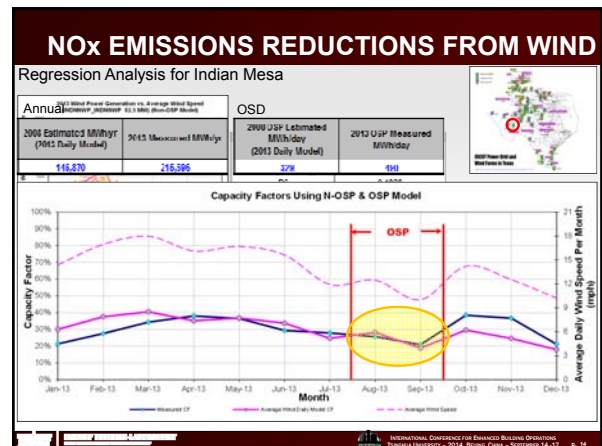
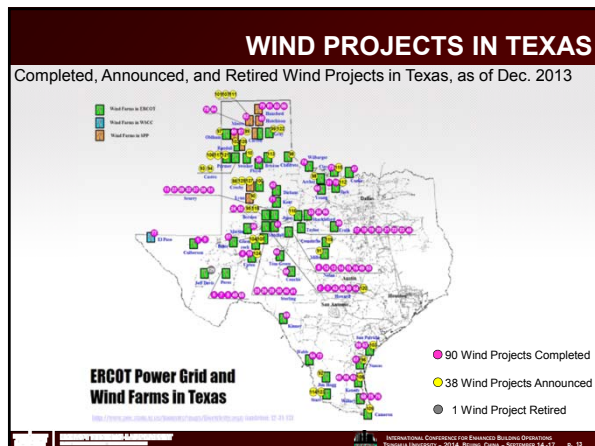
OZONE ALERTS –Spatial & Temporal

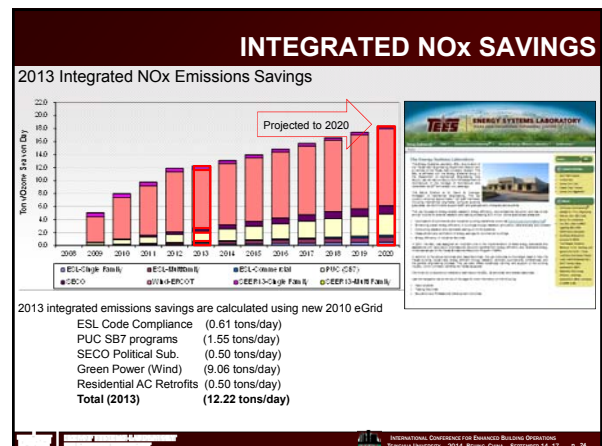
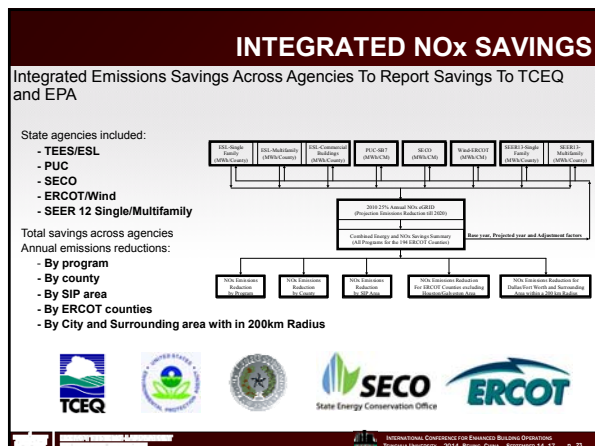
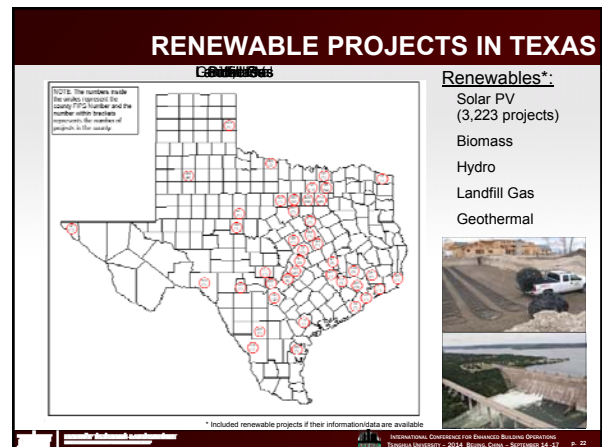
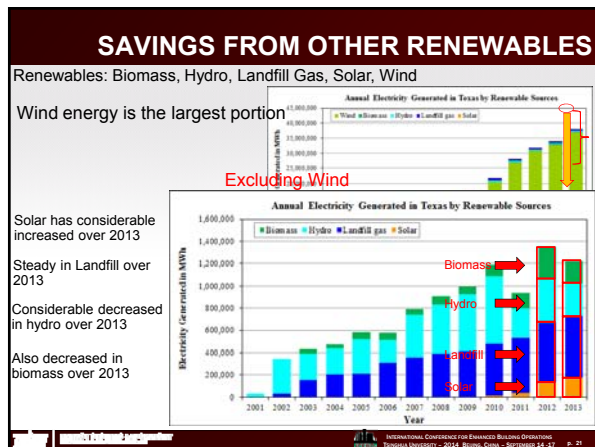
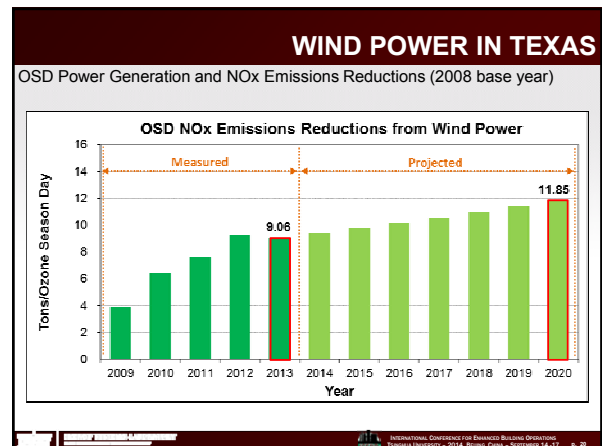
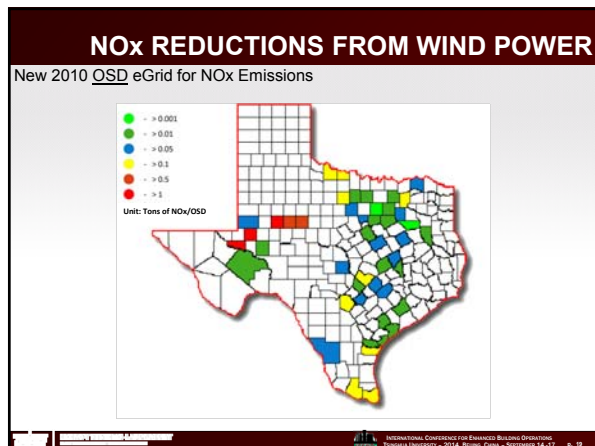


SAVINGS FROM CODE COMPLIANT CONSTRUCTION



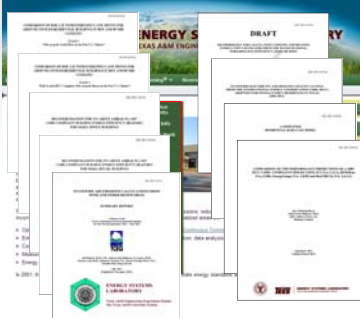






REPORTS: TERP

Report page through <http://eslwin.tamu.edu/>



2012 Reports:

- IC3 Validation with EnergyPlus /TRNSYS (Stage 3 & 4)
- Recommendations for 15% above Code for Small Office and Retail
- 2011 Renewable Report

2013 Reports

- State wide savings from IECC code
- Methodology for Calculating Cooling and Heating EIR from the Rated SEER OR HSPF
- A Simplified Residential Base-case Model
- Comparison of 2009 IECC Code-Compliant House Performance Predictions Using IC3, REM/Rate, & ResCHECK

International Conference of Building Officials
Building Officials - 2014 Building Code - September 14-17 p. 25

