



Building Energy Codes and Stimulus Funding - Update

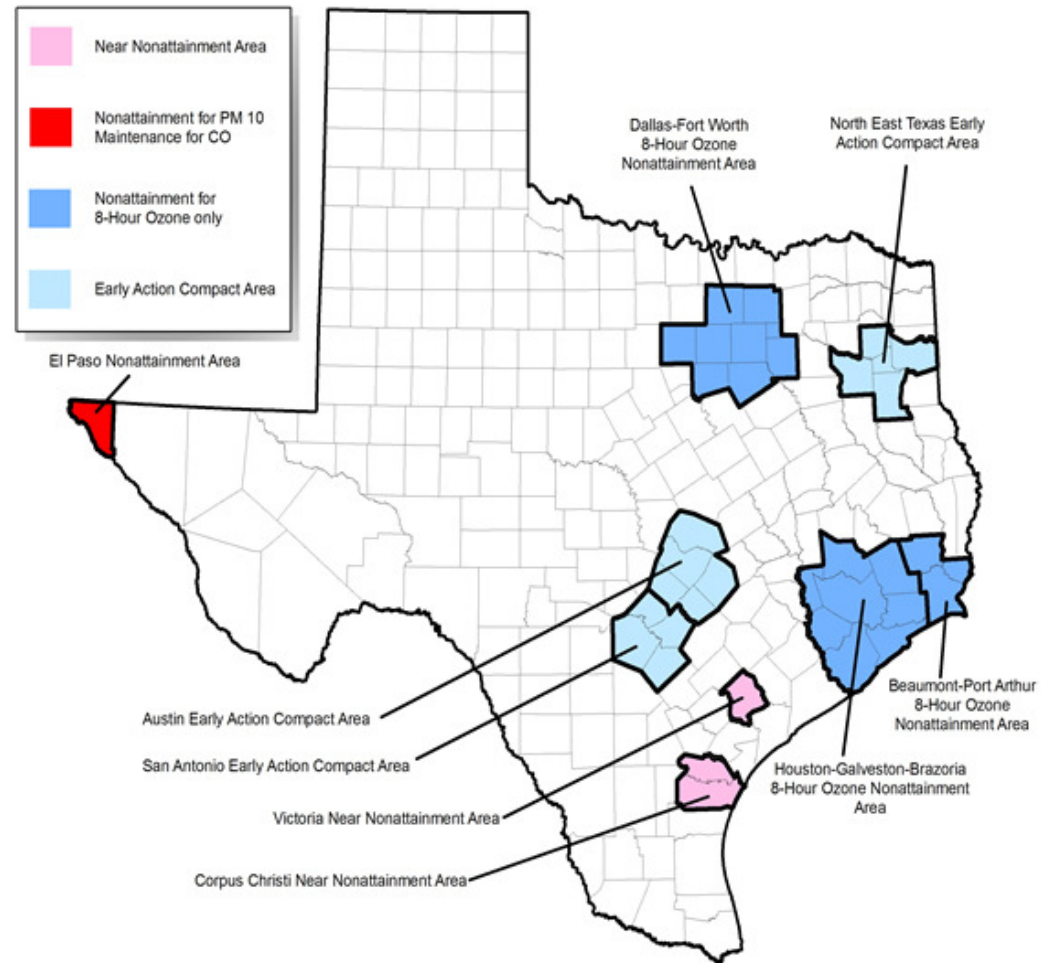
Dub Taylor, Director
State Energy Conservation Office (SECO)

The Texas Energy Picture - power

- ❖ Demand for electricity has increased 20% over last 10 years
- ❖ Electricity generation – fuel mix (2009)
 - ❖ Natural gas* 51%
 - ❖ Coal* 34%
 - ❖ Nuclear 10%
 - ❖ Renewable 4%

* 85% via combustion w/air emissions

Texas Air Quality Challenges

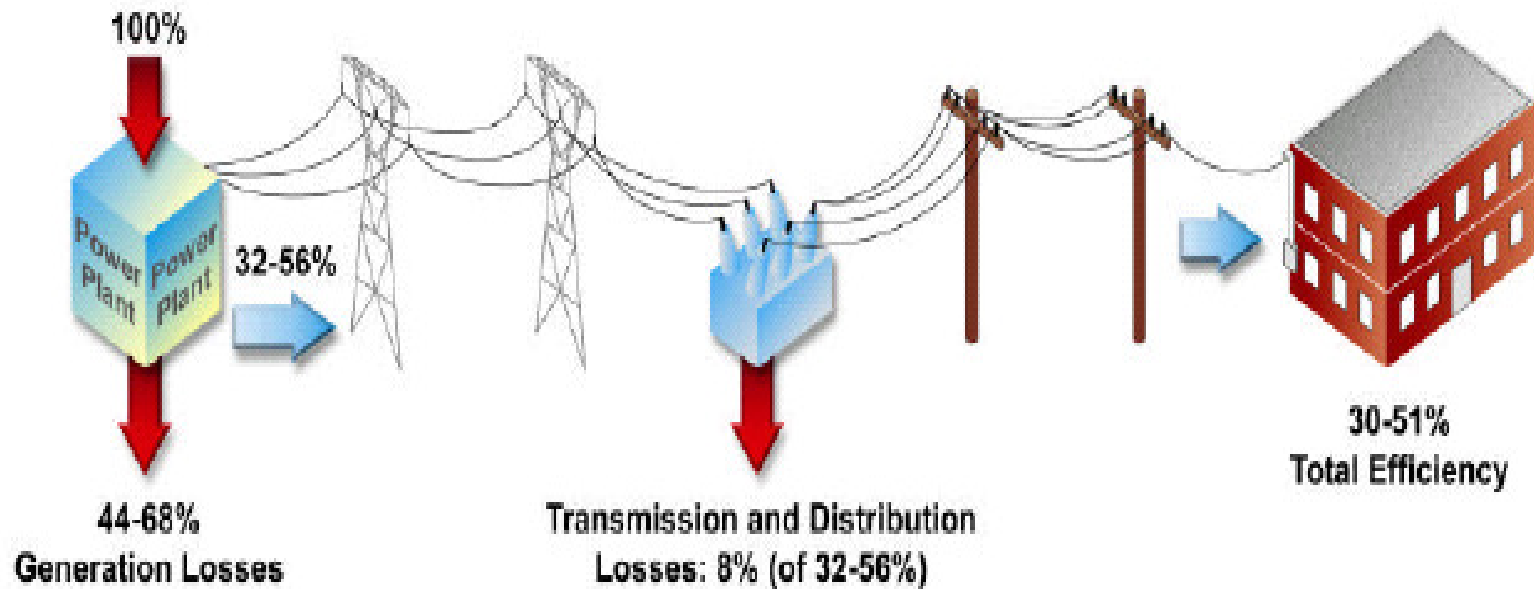


Texas Health and Safety Code

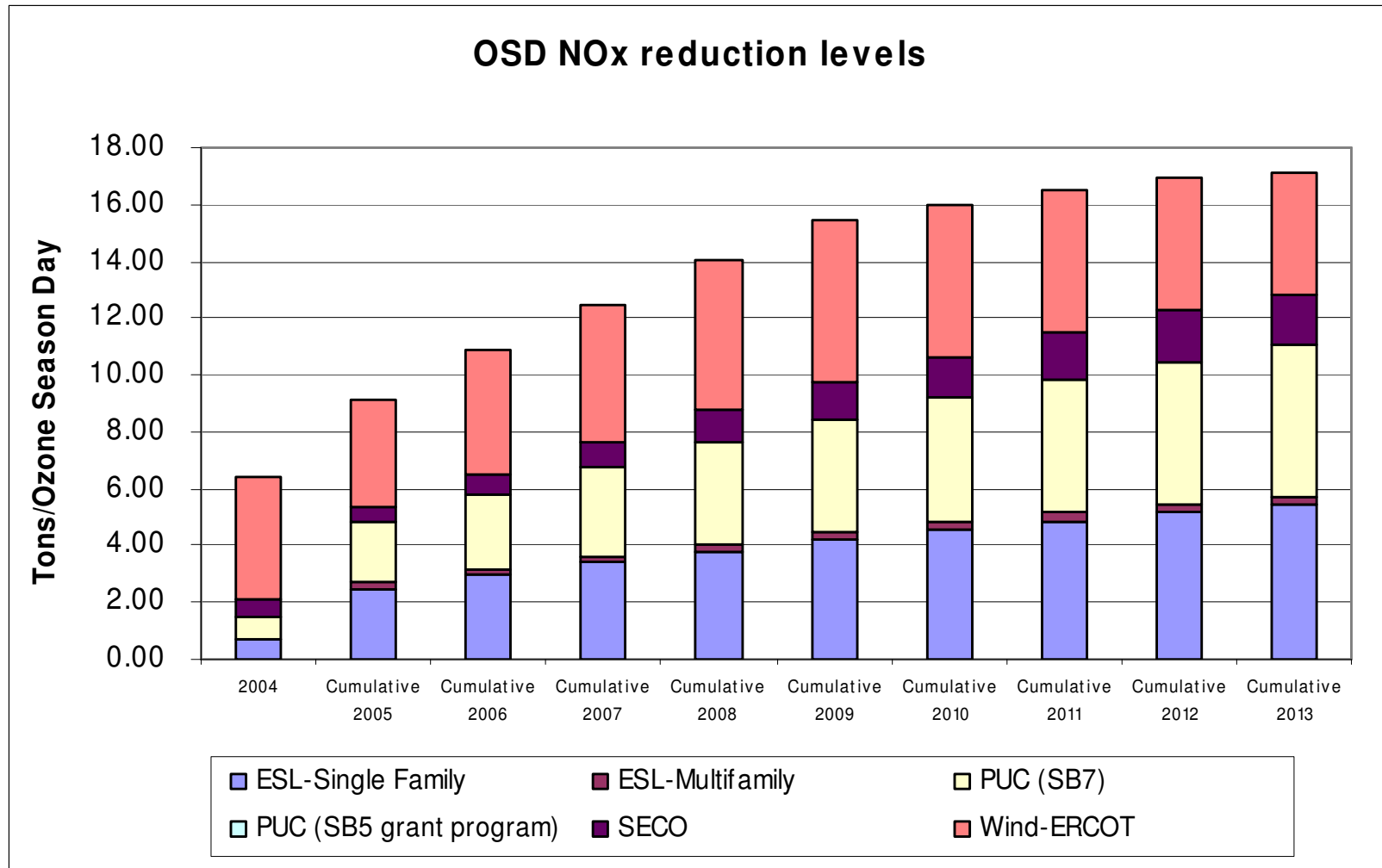
CHAPTER 388. TEXAS BUILDING ENERGY PERFORMANCE STANDARDS - LEGISLATIVE FINDINGS:

- (a) The legislature finds that an effective building energy code is essential to:
- (1) reducing the air pollutant emissions that are affecting the health of residents of this state;
 - (2) moderating future peak electric power demand;
 - (3) assuring the reliability of the electrical grid; and
 - (4) controlling energy costs for residents and businesses in this state.
- (b) The legislature further finds that this state has a number of unique climate types, all of which require more energy for cooling than for heating, and that there are many cost-effective measures that can reduce peak energy use and reduce cooling and other energy costs in buildings.

Energy Efficiency – 2x Benefit



EE/RE Air Quality Benefits



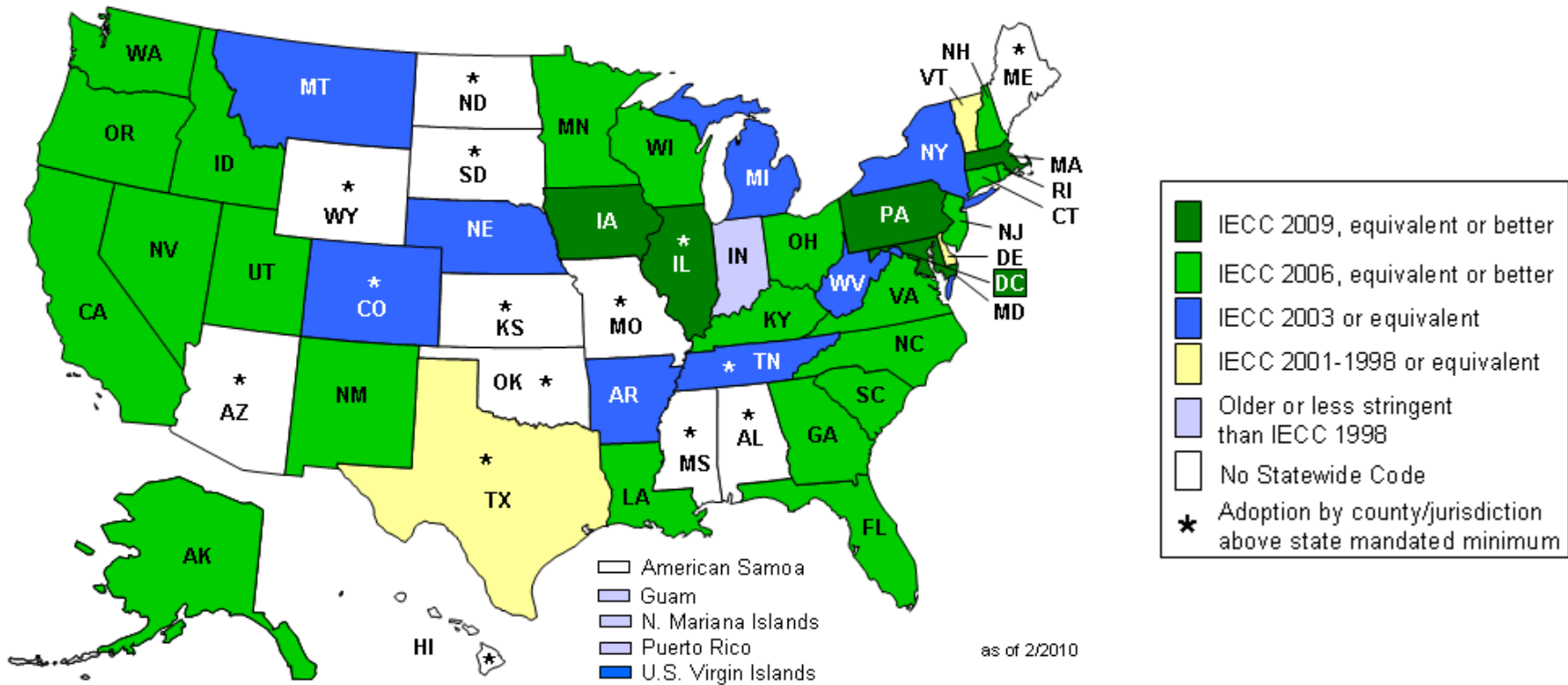
Source: Texas A&M, Energy Systems Laboratory – eCalc 2006

Texas Building Energy Codes

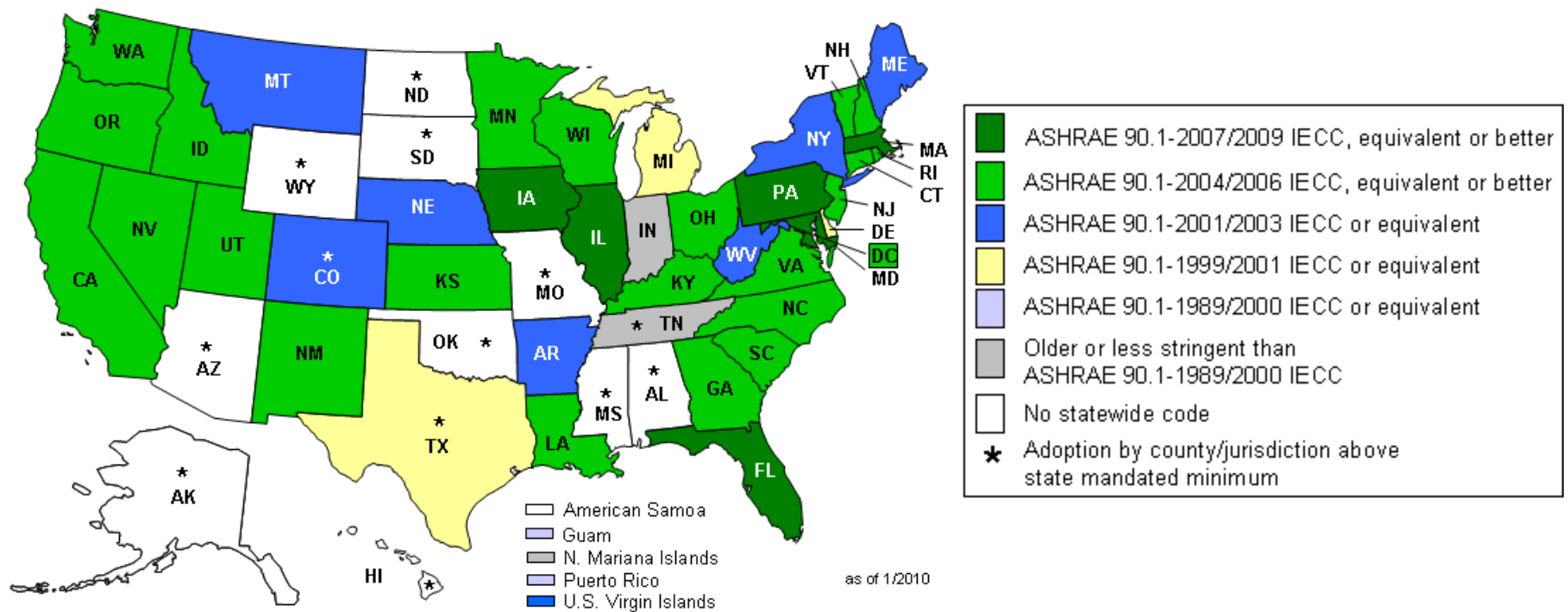
2001 - 77th Texas Legislature (via SB 5) adopted a statewide energy code under Section 388 of the Health and Safety Code called the "Texas Building Energy Performance Standards".

- ❖ Energy requirements (Chapter 11) of 2000 International Residential Code (IRC) adopted as the minimum for single-family construction.
- ❖ 2000 International Energy Conservation Code (IECC) with the 2001 Supplement, adopted as the minimum for other residential construction and commercial.
- ❖ Cities have the ability to adopt local amendments to with review by the Energy Systems Laboratory (ESL) of the Texas A&M University.

Status of Residential Energy Codes



Status of Commercial Energy Codes



Building Energy Code Update

- ❖ **2007** - 80th Texas Legislature delegated SECO the authority to adopt by rule the latest published edition of the energy requirements of IRC and IECC based on written recommendations from ESL.
- ❖ **2009** - The ICC published the 2009 IECC edition in January and 2009 IRC edition in March
 - ❖ Formal comment period issued by SECO.
 - ❖ all comments were provided to ESL for a recommendation to SECO.
 - ❖ ESL recommended SECO the adoption of Chapter 11 of the 2009 IRC and 2009 IECC.
- ❖ **January 2010** – stakeholder meeting held to gain input prior to draft rule publication.
- ❖ **March 2010** (projected) – draft rules published for comment.

Shifting now to stimulus...



American Recovery and Reinvestment Act (ARRA)



SECO-administered funds.....\$287,761,100

1) State Energy Program

\$218,782,000

2) Energy Efficiency and Conservation Block Grant Program

\$45,638,100

3) Energy Star Appliance Rebate Program

\$23,341,000

American Recovery and Reinvestment Act (ARRA)



1) State Energy Program (SEP).....\$218,782,000

Program areas approved by U.S. DOE

- ❖ Building Efficiency and Retrofit Program
 - ❖ \$158 million (loans)
 - ❖ Competitive selection - closed
- ❖ Transportation Efficiency Program
 - ❖ \$17 million (grants)
 - ❖ Competitive selection - awarded
- ❖ Distributed Renewable Energy Technology Program
 - ❖ \$30 million (grants)
 - ❖ Competitive selection - closed
- ❖ Energy Sector Training Centers
 - ❖ \$6 million (grants)
 - ❖ Competitive selection - open, closes 3/19/2010
- ❖ Public Education and Outreach
 - ❖ \$5 million

American Recovery and Reinvestment Act (ARRA)



2) Energy Efficiency and Conservation Block Grant Program.....\$45,638,100

U.S. DOE Program Objectives

- ❖ Reduce fossil fuel emissions
- ❖ Reduce the total energy use of the eligible entities
- ❖ Improve energy efficiency in the transportation, building, and other appropriate sectors
- ❖ Create and retain jobs

Funding Allocation

SECO allocated funds via population based formula grants to 1,130 cities (under 35,000) and 244 counties (under 200,000)

American Recovery and Reinvestment Act (ARRA)



3) Energy Star Appliance Rebate Program. \$23,341,000

Timing: Mail-in rebates will apply to eligible appliances purchased between April 16 and April 25, 2010. The 10-day period will coincide with Earth Day.

- ❖ Two week advance reservations
- ❖ Refrigerators : \$240-\$315
- ❖ Freezers: \$180-\$255
- ❖ Room Air Conditioners: \$45-\$120
- ❖ Clothes Washers:\$150-\$255
- ❖ Dishwashers :\$110-\$215
- ❖ Central Air Conditioners : \$600-\$1075
- ❖ Air Source Heat Pumps : \$1200-\$1675
- ❖ Water Heaters: \$255-\$715



"Energy Efficiency: Texas' Newest Energy Resource."

Susan Combs Texas Comptroller of Public Accounts

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ARRA Funds

ARRA Funds Home

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- [Energy Efficiency and Conservation Block Grant \(EECBG\) Program](#)
- [ENERGY STAR Appliance Rebate Program](#)
- [ARRA Events Calendar](#)
- [ARRA FAQs](#)

Sign up to receive e-mail alerts when new information is available.



American Recovery and Reinvestment Act of 2009 (ARRA)

The Comptroller's State Energy Conservation Office (SECO) expects to receive \$284,820,100 in stimulus funds from the American Recovery and Reinvestment Act of 2009.

In an effort to support energy efficiency and renewable energy initiatives, SECO will administer the following three programs:

State Agency/Appropriation Item	Amount
State Energy Program (SEP)	\$218,782,000
Energy Efficiency and Conservation Block Grant (EECBG) Program	\$45,638,100
ENERGY STAR Appliance Rebate Program	\$23,341,000
Total estimated amount of ARRA funding to SECO	\$287,761,100

Stay Tuned

This page will be updated as more information on funding for these programs becomes available.

Watch for our ARRA Events

Learn more about SECO stimulus funding at one of our upcoming [SECO ARRA Events](#).

Questions?

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State Energy Conservation Office

www.seco.cpa.state.tx.us