



An Intro to Residential Energy Codes in Louisiana

LSU Center for Energy Studies

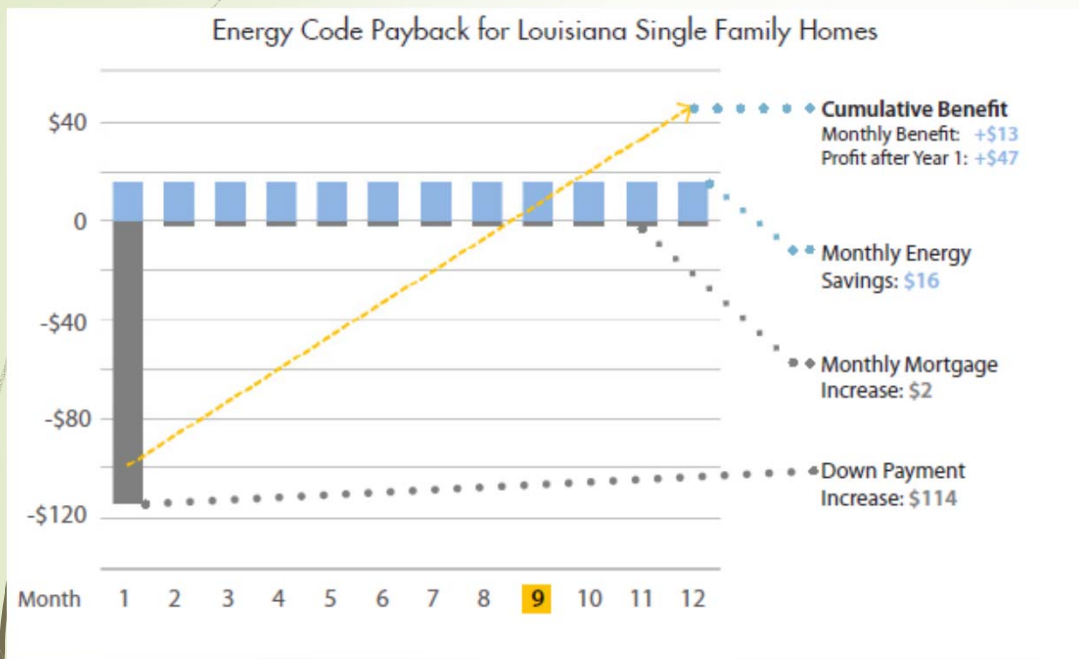
LSU Department of Environmental Science



Welcome!

- ▶ Our goal today:
 - ▶ Introduce the SEEA's *Success with Louisiana Energy Code* guide for builders
- ▶ Why?
 - ▶ In January 2015, Louisiana adopted new codes (IRC 2009) for energy conservation in residential construction
- ▶ But why new codes?
 1. Save homeowners \$\$\$
 2. Conserve energy resources
 - ▶ Limited amount of **coal**, oil, **gas** and **uranium** on earth
 - ▶ Lots of renewables (solar, wind, etc.) but they are often expensive, intermittent, geographically limited

The 2009 code adds a total of \$572 to the average house, offset by reduced energy bills of \$15.71 per month



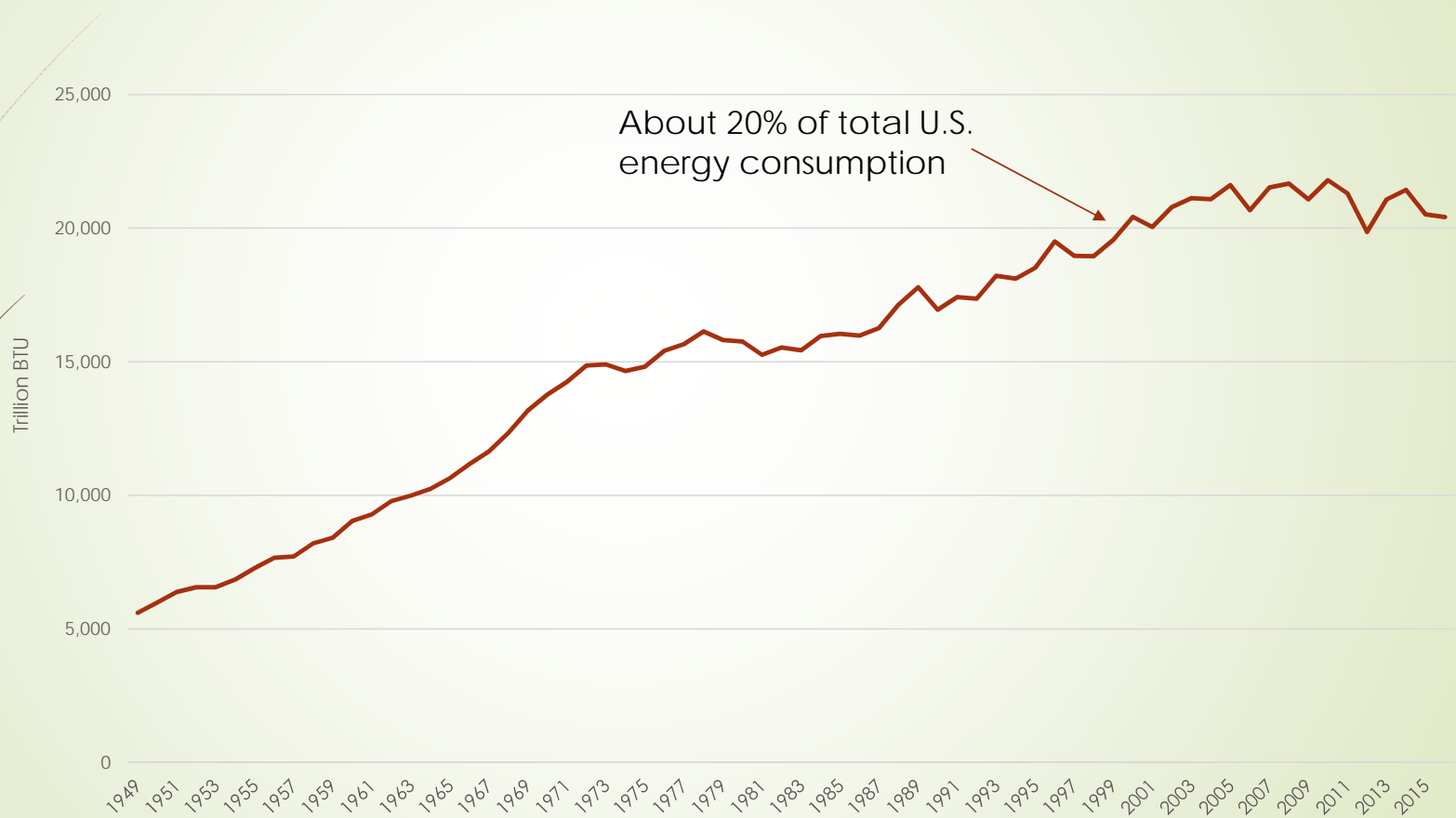
Month	Mortgage Increase	Monthly Energy Savings	Cumulative Cost/Benefit
1	\$114.49	\$15.71	-\$98.78
2	\$2.48	\$15.71	-\$85.55
3	\$2.48	\$15.71	-\$72.32
4	\$2.48	\$15.71	-\$59.09
5	\$2.48	\$15.71	-\$45.86
6	\$2.48	\$15.71	-\$32.63
7	\$2.48	\$15.71	-\$19.40
8	\$2.48	\$15.71	-\$6.17
9	\$2.48	\$15.71	\$7.06
10	\$2.48	\$15.71	\$20.29
11	\$2.48	\$15.71	\$33.52
12	\$2.48	\$15.71	\$46.75
13	\$2.48	\$15.71	\$59.98
14	\$2.48	\$15.71	\$73.21
15	\$2.48	\$15.71	\$86.44
16	\$2.48	\$15.71	\$99.67
17	\$2.48	\$15.71	\$112.90
18	\$2.48	\$15.71	\$126.13

Break Even

\$13 profit every month

Source: Building Codes Assistance Project; SEEA

U.S. Residential Energy Use



Source: EIA

Residential Energy Consumption Over Time

