




West Virginians Could Save Hundreds of Millions of Dollars Through Energy Code Update

Homeowners, Businesses Stand to Save Almost \$200 Million in Lower Energy Costs through 2030

The Building Codes Assistance Project (BCAP) strongly supports West Virginia’s efforts to create a better energy future for its citizens by adopting the 2009 International Energy Conservation Code (2009 IECC). This action will lift the state’s construction to a national baseline of sensible and efficient building practices and the effective use of energy.

West Virginia stands to achieve significant savings in the coming decades by adopting the latest national model energy codes, the 2009 IECC and ASHRAE Standard 90.1-2007. Compared to the state’s current baseline energy code, homeowners stand to save an estimated \$64 million in reduced utility bills through 2030 through compliance with the 2009 IECC. Businesses would save roughly \$126 million through 2030 from the same estimates.

2009 IECC & ASHRAE 90.1-2007 Cumulative Savings Estimates ^a						
	OVERALL Energy % Over BAU ^{b, c}		ENERGY (trillion Btu)		COST (million 2008 U.S. dollars)	
	2020	2030	2020	2030	2020	2030
Residential	0.4%	0.9%	0.9	6.1	\$9	\$64
Commercial	1.6%	3.4%	3.4	17.3	\$24	\$126
COMBINED	0.9%	1.9%	4.3	23.4	\$33	\$189

a: All estimates are derived from BCAP's Code Savings Estimator tool.

b: The business-as-usual (BAU) scenario: The stringency of the energy section of the West Virginia's energy codes (low-rise residential portion based on the 2003 IECC; nonresidential portion based on ASHRAE Standard 90.1-2001) remains constant through 2030. The current assumed baseline of 50% compliance in new construction remains constant through 2030. The BAU scenario assumes that the energy efficiency improvements of equipment and building shell improves as projected in the EIA Annual Energy Outlook reference case.

c: Target Code Scenario: The 2009 model codes (2009 IECC and ASHRAE Standard 90.1-2007) are implemented beginning in 2013. No future increases in energy code stringency are assumed. From a current assumed baseline of 50% compliance in new construction, incremental steps are made each year towards 90% compliance in both by 2017. A level of 90% compliance is then assumed through 2030.

Launched in 1994, BCAP is a non-profit organization and a joint initiative of the Alliance to Save Energy (ASE), the American Council of an Energy Efficient Economy (ACEEE), and the National Resource Defense Council (NRDC). BCAP provides custom-tailored assistance on building energy code adoption and implementation. We assist state and local regulatory and legislative bodies and help coordinate others representing environmental interests, consumers, labor, and industry. BCAP provides states with code advocacy assistance on behalf of the U.S. Department of Energy (DOE), and coordinates with DOE to provide technical assistance.

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