

## EESE Board Goals and Targets for the NH Building Sector

### Overarching Goals

By 2025, New Hampshire will reduce its total (economy-wide) greenhouse gas emissions by 44% below 2005 levels<sup>1</sup>, equivalent to a 20% reduction below 1990 emission<sup>2</sup>. This will require a require a 55% reduction below 2005 emissions in the building sector, equivalent to a consumption of 50% fewer BTUs from fossil fuel energy sources than in 2005<sup>3</sup>.

### EESE Board Action Plan - Targets

#### Building Sector (Energy Use)

- By 2020, all new Residential and Commercial buildings constructed will consume zero net energy from fossil fuel energy sources, equivalent to zero net CO<sub>2</sub>e emissions (RCI 1.1).
  - From 2010-2014, all new buildings constructed will *on average* consume 30% less BTUs from fossil fuel energy sources than an average building in 2005, equivalent to *an average* reduction in CO<sub>2</sub>e emissions of 30% below 2005 levels.
  - From 2015-2019, all new buildings constructed will *on average* consume 70% less BTUs from fossil fuel energy sources than an average building in 2005, equivalent to *an average* reduction in CO<sub>2</sub>e emissions of 70% below 2005 levels.
  - By 2020, all new buildings constructed will consume zero net energy from fossil fuel energy sources, equivalent to *an average* reduction in CO<sub>2</sub>e emissions of 100% below 2005 levels.
  
- By 2025, all Residential buildings constructed prior to 2011 will consume *on average* 60% fewer BTUs from fossil fuel energy sources than an average home in 2005, equivalent to *an average* reduction in CO<sub>2</sub>e emissions of 60% below 2005 levels (RCI 1.2).
  - By 2015, 25% of Residential buildings will achieve this goal.
  - By 2019, 50% of Residential buildings will achieve this goal.
  - By 2022, 75% of Residential buildings will achieve this goal.
  - By 2025, 100% of Residential buildings will achieve this goal.
  
- By 2025, all Commercial, Industrial, and Municipal (CIM) buildings constructed prior to 2011 will consume *on average* 50% fewer BTUs/sq foot from fossil fuel energy sources than an average CIM structure in 2005, equivalent to *an average* reduction in CO<sub>2</sub>e emissions of 50% below 2005 levels (RCI 1.3).
  - By 2015, 25% of Commercial, Industrial, and Municipal buildings will achieve this goal.
  - By 2019, 50% of Commercial, Industrial, and Municipal buildings will achieve this goal.
  - By 2022, 75% of Commercial, Industrial, and Municipal buildings will achieve this goal.
  - By 2025, 100% of Commercial, Industrial, and Municipal buildings will achieve this goal.

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<sup>1</sup> These goals have been revised to use 2005 as a benchmark year, per discussions with CSNE, during which it was noted that a 2005 baseline is more relevant to the various audiences to which these goals will be communicated.

<sup>2</sup> The 2009 NH Climate Action Plan - [http://des.nh.gov/organization/divisions/air/tsb/tps/climate/action\\_plan/nh\\_climate\\_action\\_plan.htm](http://des.nh.gov/organization/divisions/air/tsb/tps/climate/action_plan/nh_climate_action_plan.htm)

<sup>3</sup> The electric Sector goal and targets is still under review before being submitted for the EESE Board's adoption. These goals have been revised to use 2005 as a benchmark year, per discussions with CSNE, during which it was noted that a 2005 baseline is more relevant to the various audiences to which these goals will be communicated.