

Low Carbon Buildings Approved proxies for “top 15%”



California

Residential Buildings

Approved proxy	Residential buildings must achieve compliance with the 2013 California Building Standards Code to be eligible for Climate Bonds certification.
Details	<p>It has been estimated that the 2013 California Building Standards Code will result in energy savings of 25% for single-family homes and 14% for multi-family homes compared to 2008 standards (see Notes for details).</p> <p>Compared to 1970s standards and 1984 standards, the 2013 Building Code is estimated to reduce home energy use by >80% and ~70% respectively.</p> <p>Based on California housing statistics (see Notes for details), it is estimated that new residential building stock amounts to just under 1% (~0.6%) of total residential building stock.</p> <p>On that basis, any new residential buildings constructed in compliance with the 2013 Building Code up to 15 years from the code’s initiation can safely be said to fall in the top 15% of the California market.</p> <p>Accordingly, any new residential buildings constructed in compliance with the 2013 Building Code up to the year 2028 is eligible for Climate Bonds Certification.</p>
Notes	<p>The source for the estimated energy savings to be provided by the 2013 Building Code is available here:</p> <p>http://www.energy.ca.gov/title24/2013standards/rulemaking/documents/2012-5-31-Item-05-Adoption_Hearing_Presentation.pdf</p> <p>The estimate for the proportion of new residential building stock out of total residential building stock in California was calculated for the year 2014, based on data from the following sources:</p> <p>http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php</p>

http://www.dof.ca.gov/HTML/FS_DATA/LatestEconData/FS_Construction.htm

There is a newer building code, the **2016 California Building Standards Code**, with an effective date of 1 January 2017. As such, the current proxy will be the 2013 California Building Standards Code.

This guidance will be revised once the 2016 Building Code is in full effect.