



Energy Codes and Standards: Adoption, Impact and Benefits

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Energy Codes & Standards Update

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Current Code Status by State

State	Current Code	New Code	Implementation Date
Washington	2006 WSEC	2009 WSEC	July 1, 2010
Montana	2003 IECC	2009 IECC	Summer 2010
Idaho	2006 IECC	2009 IECC	January 1, 2011
Oregon Commercial Residential	2006 OSSC 2008 Ch.13 IRC	2009 OSSC 2011 Ch.13 IRC	July 1, 2010 April 1, 2011

WA: MAJOR RESIDENTIAL CHANGES

- Duct testing required for all new HVAC systems with ducts located in unconditioned spaces and existing ducts when a furnace air handler is replaced.
- Building air leakage testing (with a blower door) is required.
- Programmable thermostats are required on all primary heating systems.
- Strip heat lock-out devices required on heat pumps when the space conditioning requirements can be met with the heat pump alone.
- Building cavities cannot be used as ducts.
- Residences must have 50% high efficacy luminaries (light fixtures).

WA: MAJOR COMMERCIAL CHANGES

- Sub-metering required for energy consuming components such as chillers, fans, pumps, boilers, general lighting, etc. within defined thresholds.
- Continuous air barrier required and whole building pressure testing to demonstrate compliance.
- Chilled water plants and buildings with more than 500 tons total capacity shall not have more than 100 tons provided by air-cooled chillers.
- Lighting Power Allowance's reduced for nearly all space types

OR: MAJOR COMMERCIAL CHANGES

- External lighting now regulated
- Mass wall r-value increased significantly
- Window-wall ratio 30% instead of 40%
- VFD requirement for pumps from 10 to 5 HP

IECC: MAJOR RESIDENTIAL CHANGES

- Above-grade walls from R-19 to R-20. This will force R-21 batt or a blown in or a spray insulation.
- Below-grade walls from R10/13 to 15/19 (Zone 6 only)
- Air leakage control language expanded in detail.
- Duct leakage test standard. 0.08 CFM SF
- Systems Analysis Approach
 - Equipment trade off no longer allowed. You will get the prescriptive envelope now.

COMPLIANCE

- Northwest is one of the few areas that has measured compliance.
- We're probably the highest in the country. Approximately 80-90%.
- NEEA outreach and education efforts.

Contact

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