



CANADIAN INSTITUTE OF PLUMBING & HEATING
L'INSTITUT CANADIEN DE PLOMBERIE ET DE CHAUFFAGE

ADVOCACY LINK

NATIONAL & REGIONAL REGULATORY NEWS

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CIPH Works Cooperatively with Province of BC to Influence Positive Change for Efficiency Regulations for Residential Water Heaters for 2010

CIPH along with its water heater manufacturer members worked cooperatively with BC Ministry of Energy, Mines and Petroleum to find a practical and workable solution to meet the province's objective of raising the minimum efficiency requirement for residential water heaters.

Working cooperatively over a 6-month period, CIPH and the BC government developed a win/win efficiency regulation for gas and electric water heaters which will come into effect September 2010. A copy of the regulation follows this Advocacy Link.

"I am proud to be a member of CIPH and, in particular, confident in calling on our industry association to work proactively on behalf of industry. The agreed-upon process and timelines allow manufacturers to design, prototype and test their products before introducing them to market. Educating retailers, wholesaler distributors, utilities, builders and contractors to understand the full impact of the proposed legislation and how best to change their business models will also be a key component," reports Plumbing Industry Advisory Council Chair Paul McDonald.

Ultimately it is the province's vision to implement a .80EF requirement for gas water heaters. The province is prepared to explore with CIPH and industry how to develop this together as the market transforms towards new technology.

For more information on the regulation contact Katherine Muncaster, Government of British Columbia, Ministry of Mines and Petroleum Resources/EEPB, Senior Policy Analyst, EEPB at email: Katherine.Muncaster@gov.bc.ca

In the meantime, CIPH continues to meet with with NRCan senior staff to develop a national solution for a minimum energy efficiency requirement for Residential Water Heaters to ensure uniformity.

The Canadian Institute of Plumbing & Heating is a not-for-profit trade association. Founded in 1933, the Institute is a vibrant organization committed to providing members with the tools for success in today's competitive environment. More than 260 companies are members of this influential Canadian industry association. They are the manufacturers, wholesaler distributors, master distributors, manufacturers' agents and allied companies who manufacture and distribute plumbing, hydronic heating, industrial, waterworks and other mechanical products. CIPH wholesalers operate more than 700 warehouses and showrooms across Canada. Total industry sales exceed \$4.6 billion annually.



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Province of British Columbia Efficiency Regulations for Residential Water Heaters Effective September 1, 2010

The regulation consists of these requirements, which apply to products manufactured on or after the specified date (not to products already on the shelf):

- Storage-type gas or propane-fired water heaters with a rated storage capacity of 76 to 380 litres and an input of 75,000 Btu/h or less must have an EF greater or equal to $0.70 - (0.0005 \times V)$ where V is the rated volume and the test method is CSA P.3-04. The effective date is Sept 1, 2010.
- Electric storage type water heaters must meet the following standards by September 1, 2010:
 - In the case of a top inlet water heater with a rated volume of 50 to 270 litres, standby loss in watts must be equal or less than $25 + (0.20 \times V)$ where V is the rated volume;
 - In the case of a top inlet water heater with a rated volume of >270 and ≤ 454 litres, standby loss in watts must be equal or less than $(0.472 \times V) - 48.5$;
 - In the case of bottom-inlet water heaters, the standard is identical to NRCan's current standby loss maximum.
- The test method for electric water heaters is CSA C191-04.
- All electric water heaters must be installed with a heat trap on both inlet and outlet, or in the case of a bottom inlet water heater, just on the outlet. The heat trap can be integral or independently attached to the water heater.
- All electric water heaters must be installed with insulation \geq RSI 0.70 ($m^2 \times K$)/W (as tested with ASTM C518-2004) on 3.0 metres of any exposed piping upstream, and 3.0 metres of any exposed piping downstream of the tank, plus the space between the tank and heat trap if external.