

Product Profile: Oil-fired Boilers

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Overview



- ❖ Oil-fired boilers are
 - ❖ all types and sizes of domestic and commercial/industrial boilers and water heating systems that use liquid petroleum fuels that are stable at normal temperature and pressure

Gas Fired Boilers – No MEPS



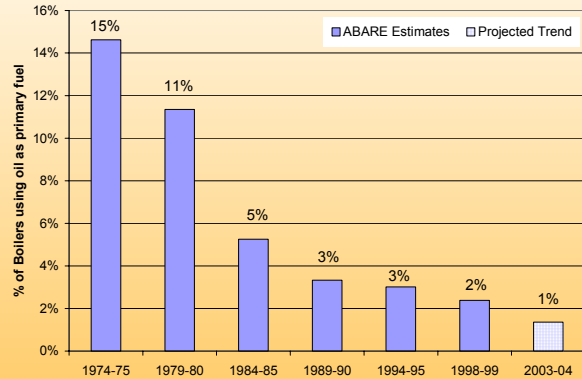
- ❖ Packaged Gas Boilers were examined and rejected for MEPS
 - ❖ This review recommended that MEPS are not suitable
 - ❖ *"..the low level of potential greenhouse saving, together with the economic impact derived from the relatively low heating requirements in Australia, does not justify initiating a specific MEPS for boilers."*

Market Characteristics



- ❖ Oil-fired boilers and water heaters occupy a relatively small market in Australia
- ❖ Domestic
 - ❖ domestic boilers, for central space heating applications, installed stock for all fuel types to be only 90,000 units
 - ❖ oil-based space heating systems
 - ❖ 93,000 units in 2002
 - ❖ oil-based water heating systems - 1,900 units in 2002
 - ❖ oil-fired boilers represent around 1% of the market (manufacturers estimates)

Market Characteristics – Commercial oil-fired boilers



International Activities



- ❖ MEPS for Oil-fired boilers and water heaters three APEC countries,
 - ❖ USA, Canada and Chinese Taipei
- ❖ Japan will introduce target standards specifically aimed at oil-fired burners in 2006
- ❖ EU introduced the European Directive on Boiler Efficiency
 - ❖ UK only implemented in 1994

International Activities (cont)



- ❖ Efficiency of a boiler is generally associated with loading conditions
 - ❖ the average weather conditions in North America and Europe are significantly colder than most parts of Australia and therefore heating loads are much higher
 - ❖ milder climate of Australia suggests that this product is unlikely to become price competitive with boilers utilising other fuels

Potential Impacts



- ❖ Boilers in commercial and industrial year 1998-99
 - ❖ contribute only 53.4PJ out of a total energy input of 2,252PJ for.
 - ❖ This amounted to just 2.4% of the total boiler input energy in that year.
 - ❖ Oil fuels are estimated to contribute only around 1% of the total fuel input to the industrial/commercial scale boilers.

No MEPS



- ❖ NAEDEC proposes not to further consider including this product type in the program because of a number of related factors:
 - ❖ the rapidly diminishing market of oil-fired boilers and water heating systems in Australia
 - ❖ the relatively minor contribution to total energy use by oil-fired boilers
 - ❖ the range efficiency levels of new oil-fired boiler is likely to be small
 - ❖ the very marginal impact resulting from implementation of a suitable MEPS

Comments



- ❖ Comments – initial now
- ❖ Formal written comments on proposals by end 2004