

labelled 10/2/09

HIA



National Summary of State based Energy and Water Efficiency planning & building regulations as at 1 January 2009

	NSW - BASIX Planning regulation	VICTORIA - BCA/Building & Plumbing Regulations	QUEENSLAND - BCA/Qld Development Code	WESTERN AUSTRALIA - BCA variation (5 star plus)	TASMANIA BCA/Plumbing Regulation	ACT BCA/Plumbing Regulation	SOUTH AUSTRALIA BCA/Plumbing Regulation
<b>WATERSERVICES &amp; WATER SUPPLY</b>							
Target	Up to 40% reduction in usage	None	70kL reduction per household (SEQ)	No target	No target	40% reduction	No target
Showerheads	3 star WELS	3 star WELS	3 star WELS	3 star WELS	3 star WELS	3 star WELS	3 star WELS
Toilets	3-4 star WELS	3 star WELS	3 star WELS (4 star 1/3/09)	4 star WELS	3 star WELS	3 star WELS	3 star WELS
Basin Taps	3 star WELS	3 star WELS	3 star WELS (01/03/09)	4 star WELS	3 star WELS	3 star WELS	3 star WELS
Pressure valves		Max. outlet pressure within building (other than fire service) must not exceed 500 kPa, so a pressure reduction valve will need to be provided to whole of building. (not ext taps)	Max. outlet pressure regulated by AS 3500.1 A required if may exceed 500kPa.	Max. outlet pressure regulated by AS 3500.1 A required if may exceed 500kPa.	Max. outlet pressure regulated by AS 3500.1 A pressure reduction valve required if may exceed 500kPa.	Max. outlet pressure regulated by AS 3500.1 A pressure reduction valve required if may exceed 500kPa.	
Insulation of pipework or recirculation system				All buried and external hot water pipes insulated in accordance with AS3500.4			
Length of hot water pipe				Max. 20 m or 2 litres			
Alternate water supply to garden, laundry, and/or toilets (including associated pipework)	<ul style="list-style-type: none"> <li>Rainwater tank</li> <li>Bore water</li> <li>Stormwater</li> <li>Reticulated grey water</li> </ul>	Optional - 2000 litre rainwater tank connected to 50m <sup>2</sup> roof catchment & all toilets	5,000 litre rainwater tank or reticulated grey water system			2,000 - 10,000 litre rainwater tank connected to home (based on lot size)	1,000 litre rainwater tank plumbed to
3 <sup>rd</sup> pipe water supply system		Install dual-pipe systems new developments where required & connect to dual-pipe systems where provided.				Greywater system connected to bathroom & laundry.	
<b>THERMAL PERFORMANCE</b>							
BCA DTS, AccuRate, FirstRate, BERS or ACHERS	BASIX - Equivalent to 4 star	5 star	5 star from 1 March 2009 Currently 3.5 stars	5 star	4 star	5 star	5 star
<b>ENERGY SERVICES</b>							
Target	Up to 40% GHG reduction						
Hot water	3.5 stars or better MEPS	Optional - 5 star HWS - Gas boosted solar hot water (or electric boost where not reticulated).	Equivalent to 5 star hot water services - solar, electric heat pump or gas systems MEPS	5 star HWS - Solar gas boosted, gas or electric heat pump (60% solar gain over conventional HWS)			In reticulated gas areas - min. 5 star (solar, electric heat pump or gas) Exemption for non-reticulated areas - alternate standard.
<p>The general inclusions in a home to meet the minimum thermal performance standards are:</p> <ul style="list-style-type: none"> <li>Wall insulation</li> <li>Ceiling and roof insulation</li> <li>Floor insulation (in cooler climates)</li> <li>Passive solar design of the home to face windows north and east, but avoid west and south</li> <li>Shading of windows to north and west for summer (eaves, shade structures, etc)</li> <li>Using performance glazing in windows in some climates or for western windows.</li> </ul>							