



# NATIONAL SUMMARY OF ENERGY AND WATER EFFICIENCY REGULATIONS

	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	NORTHERN TERRITORY BCA/Plumbing Regulations
<b>WATER SERVICES &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	NO TARGET
Showerheads	3 star WELS	3 star WELS	3 star WELS	3 star WELS		3 star WELS	3 star WELS	
Toilets	3-4 star WELS	3-4 star WELS	4 star WELS	4 star WELS	3 star WELS	3 star WELS	3 star WELS	3 Star WELS
Basin Taps	3 star WELS	3 star WELS	3 star WELS	4 star WELS		3 star WELS		
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> </ul> Reticulated grey water  As per Basix	Optional - 2000 litre rainwater tank connected to 50m2 roof & all toilets. Cannot use tank as an option if no reticulated water supplied or proposed.	5,000 litre (detached) 3,000 litre (attached) rainwater tank connected to toilets, washing machine & external use OR reticulated grey water system			2,000 – 5,000 litre rainwater tank connected to home (based on lot size) OR Greywater system connected to bathroom & laundry	1,000 litre rainwater tank plumbed to the house	
3rd pipe water supply system	Optional	Optional or Alternative solution – Dual-pipe systems in new developments (where required). Connect homes where installed	Required in new estates by some Local Councils				Required in new estates by some Local Councils	



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<b>THERMAL PERFORMANCE</b>								
BCA DTS, AccuRate, FirstRate, BERS or ActHERS	Equivalent to 4.5 star	6 star	6 star equivalent (4 compliance options)	6 star (5 star transition until May 2012)	5 star	6 star	6 star	5 star
<b>ENERGY SERVICES</b>								
Target	Up to 40% GHG reduction							
Hot water	3.5 stars or better	Optional –Gas boosted solar hot water (electric boost where not gas reticulated) Equivalent to 5 star	5 star gas hot water system or electric heat pump or a solar hot water system equivalent to 5 stars	5 star HWS – Solar gas boosted, gas or electric heat pump (60% solar gain over conventional HWS)		Equivalent to 5 star hot water services – solar, electric heat pump or gas systems	Equivalent 5 star hot water services - solar, electric heat pump or gas systems	
Lighting	As per BASIX	Max. 5 w/m <sup>2</sup> (internal) 4 w/m <sup>2</sup> (external) & 3w/m <sup>2</sup> (garage)	80% of lighting to be energy efficiency	If 6 star - Max. 5 w/m <sup>2</sup> (internal) 4 w/m <sup>2</sup> (external) & 3 ws/m <sup>2</sup> (garage)		Max. 5 w/m <sup>2</sup> (internal); 4 w/m <sup>2</sup> (external) & 3 w/m <sup>2</sup> (garage)	Max. 5 w/m <sup>2</sup> (internal); 4 w/m <sup>2</sup> (external) & 3 w/m <sup>2</sup> (garage)	