

## Upgrades to BASIX from 28 March 2009 – details of changes

Updated 27 July 2009

This is a preliminary list of the changes being made in BASIX, to be released in the week beginning 28 March 2009.

This list may be subject to changes during implementation. Please check for any variations to this list closer to the upgrade date.

### Detailed list of changes to BASIX from 28/03/09

Part of BASIX	Change
Thermal Comfort Simulation method	Upgrade of BASIX engine to accept thermal load inputs from 2 <sup>nd</sup> generation thermal simulation software (e.g. AccuRate, FirstRate 5, BERSPro).
	Input from 1 <sup>st</sup> generation software (e.g. NatHERS) no longer accepted.
	Updated thermal loads input page.
	For AccuRate software, enter the adjusted heating and cooling loads. For cooling, the load is the sum of the latent and sensible adjusted cooling loads.
	For BERSPro software, enter the adjusted heating and cooling loads (MJ/m <sup>2</sup> ). BERSPro has been updated to display area-adjusted heating and cooling loads. For more information on the BERSPro update, go to <a href="http://www.solarlogic.com.au/bers-pro/updates">www.solarlogic.com.au/bers-pro/updates</a>
	For FirstRate5 software, enter the area corrected heating and cooling energy values.
	Removal of cross ventilation concessions due to superior modelling provided by 2 <sup>nd</sup> generation software.
Cross flow ventilation questions will no longer appear in BASIX.	
Thermal Comfort Do-It-Yourself (DIY) method	New questions on in-slab floor heating/cooling as a trigger to include BCA insulation requirements on the BASIX Certificate.
	Revision of Thermal Comfort Protocol to reflect use of new 2 <sup>nd</sup> generation software.
	Insulation requirements aligned with BCA 2009 Vol 2 part 3.12, plus mandatory insulation required for cavity brick external walls.
	Glazing budget changes to improve the alignment between new 2 <sup>nd</sup> generation Simulation results and DIY.
This may result in some score changes to projects already in progress	
Change to DIY 'dashboard' (section at bottom of screen) to show pass or fail instead of estimated thermal loads.	



Part of BASIX	Change
Water	<p>Inclusion of names of reticulated recycled water schemes to improve accuracy and verification of this selection.</p> <p>A drop-down menu of scheme names is based on the project location. The scheme name will be shown on the Certificate.</p> <p>In postcode areas without a recognised reticulated recycled water scheme, the recycled water option will not be offered.</p> <hr/> <p>Changes to how BASIX calculates supply volumes for on-site recycled water systems in the Multi-unit tool.</p> <p>The volume of water will be limited based on the sources of water available on the site. Volumes nominated in excess of the supply available will not be calculated.</p> <p>This may result in some score changes to projects already in progress.</p> <hr/> <p>Clarification in BASIX Certificate that 'All toilets' must be connected to alternative water if this selection is made.</p>
Energy	<p>Removal of hot water option, "Solar (electric boosted plus timer)", as it is effectively covered by selecting "solar (electric boosted)".</p>
Project portfolio	<p>Improvements in the project portfolio section that will allow users more flexibility when copying existing projects or editing project details.</p> <p>When a project is revised, all project details are preserved and a revision number added to the project name.</p> <p>When a project is duplicated, the original project details remain, but a new project name, address and lot/DP will need to be entered.</p> <hr/> <p>Provision of online access to the immediate past version of the BASIX tool.</p> <p>This simplifies the process of making revisions to certificates after they have been lodged with the consent authority.</p>
General	<p>Updates to helpnotes and BASIX Certificate templates to reflect the changes.</p> <hr/> <p>Helpnote corrections:</p> <ul style="list-style-type: none"> <li>• Height above sill ratio diagram in Alterations and Additions</li> <li>• Typical BASIX single dwelling diagram (glazing added)</li> </ul>

