

## BASIX Data Input Checklist

This checklist lists the data that is required to complete a BASIX assessment.

Note that only fields displaying a \* after the field name are mandatory.

This Checklist should be used in conjunction with the BASIX assessment tool and the BASIX Definitions available at the BASIX website [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

This checklist is current as at 25 June 2004

Project Address & Type	
Enter your data below (use options where provided)	
Project Name *	
Street Number	
Street Name	
Street Type	
Suburb	
Postcode*	
Local Government Area (LGA) *	
Post code *	
DP/ Lot/ Section number *	
SP (if relevant)	
Nature of Project	Options are: Erect a new residential building/ Rebuilding a new residential building/ Converting a non residential building to residential
Project type - if single dwelling	Options are: Detached dwelling/ Attached dwelling/ Detached dual occupancy/ Attached dual occupancy
Project type - if other residential development under 300m2	Options are: Boarding house / Guest house/ Hostel/ Lodging house/ Backpacker accommodation
Project Details	
Site area (m2)*	
Gross floor area (m2)	
Roof area (m2)*	
Number of bedrooms*	
Landscape	
Total area of vegetation (garden and lawn) (m2) *	
Area of indigenous species (m2)	

<b>Stormwater</b>	
<b>Rainwater Tank</b>	Below required if Rainwater tank is to be installed
Roof area collected by rainwater tank (m <sup>2</sup> )	
Rainwater used for:	Options are: Toilet/ Laundry/ Garden
Tank size (L)	
<b>Stormwater Tank</b>	Below required if Stormwater tanks is to be installed
Runoff collected from (m <sup>2</sup> ):	Options are: Roof Area/ Impervious Area/ Landscape Area
Stormwater used for:	Option is Garden only
Tank size (L)	
<b>Water</b>	
<b>Recycled water use (not rainwater or stormwater)</b>	Below required if Recycled water user to be nominated
Reticulated recycled water (L/day)	
Recycled water used for:	Options are: Toilets/ Laundry/ Garden
Onsite recycled water system using:	Options are: Treated greywater/ Diverted greywater
Onsite recycled water collected from:	Options are: Laundry/ Bathroom
Recycled water used for:	Options are: Toilets/ Laundry/ Garden
<b>Toilets rating *</b>	Options are: 1A, 2A, 3A or Waterless
<b>Showerheads rating *</b>	Options are: 1A, 2A, 3A or Not Rated
<b>Tap Fittings</b>	Options are: Kitchen taps 3A minimum / Bathroom basin taps 3A minimum
<b>Swimming Pool and Spa</b>	
Swimming Pool volume (kL)	
Swimming pool cover	Yes / No
Volume of outdoor spa (kL)	
<b>Appliances</b>	
Clothes washer (rating)	Options are: 2A,3A,4A,5A, Not Specified
Dishwasher (rating)	Options are: 2A, 3A, 4A, Not Specified
<b>Thermal Comfort</b>	
You need to complete EITHER the Simulation method or the Deemed to Comply method	
Simulation Method: Enter cooling loads and heating loads from your NatHERS assessment results. You need to calculate your own shared-wall ('party-wall') surface for attached dwellings.	
Assessor Number *	
Certificate Number *	
Net Conditioned Floor Area (m <sup>2</sup> )	
Do any Concessions apply	Options are: Elevated floor - site slope >10% at building location/ Overshadowing/ or Not Applicable
Annual cooling load (sensible plus latent) (MJ/m2/year) *	
Annual heating load (MJ/m2/year) *	
<b>Deemed to Comply Method</b>	
Dwelling is not significantly overshadowed	Must be yes to proceed with Deemed To Comply method
Total skylight area < 2% of gross floor area	Must be yes to proceed with Deemed To Comply method
<b>Construction</b>	

Primary Ground Floor Construction type and area (m <sup>2</sup> ) *	concrete slab on ground/elevated floor enclosed subfloor/elevated floor open subfloor
Secondary Ground Floor Construction type and area (if applicable) (m <sup>2</sup> )	concrete slab on ground/elevated floor enclosed subfloor/elevated floor open subfloor
Primary External Wall type and area (m <sup>2</sup> ) *	autoclaved aerated concrete/double brick/ brick veneer/timber weatherboard or cement sheet
Secondary External Wall type and area (if applicable)(m <sup>2</sup> )	autoclaved aerated concrete/double brick/ brick veneer/timber weatherboard or cement sheet
Wall shared with adjoining dwelling type and area (if applicable)(m <sup>2</sup> )	autoclaved aerated concrete/double brick/ single skin or brick concrete/ plasterboard
Wall shared with garage type and area (if applicable)(m <sup>2</sup> )	plasterboard/ single skin or brick concrete
Ceiling and roof type and area (m <sup>2</sup> ) *	large roofspace/ small roofspace
Concessions(if applicable) *	not applicable/ elevated floor site slope> 10% at building location.
<b>Cross ventilation - Living areas glazing bonus</b>	
Area of all living spaces (m2)	
Area of ventilation openings in living spaces (m2)	
Are openings provided on opposite or adjacent walls in each living space?	Yes / No
<b>Cross ventilation - Bedroom areas glazing bonus</b>	
Number of bedrooms with 2 or more windows or operable skylights	
<b>Glazing and shading</b>	
Glazing frame type	Aluminium / Timber
Glazing type for each orientation (N, E, S, W)	See drop down menu in BASIX tool
Area of proposed glazing for each orientation (N,E,S,W) (m2)	
Shading type for each orientation (N,E,S,W)	See drop down menu in BASIX tool
<b>Required insulation and roof colour</b>	
Floor insulation	Insulation level generated automatically by BASIX
External wall insulation	Insulation level generated automatically by BASIX
Ceiling and roof insulation	Insulation level generated automatically by BASIX
Roof colour	Light / medium / dark
Roof ventilation	No ventilation / wind-driven ventilator / gable-end vents (>0.8m)
<b>Energy</b>	
<b>Active cooling</b>	
Living area cooling system type *	Enter type (see Appendix 1 for complete menu)
Bedroom areas cooling system type *	Enter type (see Appendix 1 for complete menu)
<b>Active heating</b>	
Living areas heating system type *	Enter type (see Appendix 1 for complete menu)
Bedroom areas heating system type *	Enter type (see Appendix 1 for complete menu)
<b>Hot water</b>	
Hot water system type *	Enter type (see Appendix 1 for complete menu)
<b>Lighting</b>	
Lighting not specified	Yes / No
If lighting specified:	Yes / No

Enter rooms primarily lit by standard or compact fluorescent lamps	Bedrooms and study (enter number) / living and dining rooms (enter number) / kitchen / all bathrooms and toilets / garage / laundry / all hallways
Natural lighting to kitchen	No natural lighting / window / skylight / window and skylight
Natural lighting to <b>all</b> bathrooms and toilets	No natural lighting / window / skylight / window and skylight
<b>Cooking</b>	
Cooking system type	gas cooktop & gas oven / gas cooktop & electric oven / electric cooktop & electric oven
<b>Swimming pool &amp; spa</b>	
Pool and spa pump controlled by timer	Yes / No
Pool heating type	no pool heating / solar pool heating / gas pool heating / electric heat pump
Spa heating type	not applicable / solar (gas boosted) / solar (electric boosted) / gas storage or instantaneous / electric heat pump / electric storage or instantaneous
<b>Design enhancements</b>	
Well ventilated refrigerator space	Yes / No
Indoor clothes drying line or cupboard	Yes / No
Outdoor clothes drying line	Yes / No
<b>Alternative energy supply</b>	
Photovoltaic system (kW peak)	
<b>Refrigerator</b>	
Energy star rating	Select from star rating available, or no fridge specified
<b>Dishwasher</b>	
Energy star rating	Select from star rating available, or no dishwasher specified
<b>Clothes washing</b>	
Energy star rating	Select from star rating available, or no clothes washer specified
<b>Clothes dryer</b>	
Energy star rating	Select from star rating available, or no clothes dryer specified

# Appendix 1: Cooling systems, Heating systems and Hot Water Systems in BASIX

## Living and bedroom area cooling system options

no cooling to be installed
ceiling fans
evaporative cooling
single phase a/c system - 6 Star
single phase a/c system - 5.5 Star
single phase a/c system - 5 Star
single phase a/c system - 4.5 Star
single phase a/c system - 4 Star
single phase a/c system - 3.5 Star
single phase a/c system - 3 Star
single phase a/c system - 2.5 Star
single phase a/c system - 2 Star
single phase a/c system - 1.5 Star
single phase a/c system - 1 Star
three phase a/c system - (EER greater than 4.0)
three phase a/c system - (EER between 3.5 - 4.0)
three phase a/c system - (EER between 3.0 - 3.5)
three phase a/c system - (EER between 2.5 - 3.0)
three phase a/c system - (EER less than 2.5)
air conditioner and ceiling fans

## Living and bedroom areas heating system options

no heating to be installed
gas fixed flued heater - 5 Star
gas fixed flued heater - 4.5 Star
gas fixed flued heater - 4 Star
gas fixed flued heater - 3.5 Star
gas fixed flued heater - 3 Star
gas fixed flued heater - 2.5 Star
gas fixed flued heater - 2 Star
gas fixed flued heater - 1.5 Star
gas fixed flued heater - 1 Star
single phase a/c system - 6 Star
single phase a/c system - 5.5 Star
single phase a/c system - 5 Star
single phase a/c system - 4.5 Star
single phase a/c system - 4 Star
single phase a/c system - 3.5 Star
single phase a/c system - 3 Star
single phase a/c system - 2.5 Star
single phase a/c system - 2 Star
single phase a/c system - 1.5 Star
single phase a/c system - 1 Star
three phase a/c system - (EER greater than 4.0)
three phase a/c system - (EER between 3.5 - 4.0)
three phase a/c system - (EER between 3.0 - 3.5)
three phase a/c system - (EER between 2.5 - 3.0)
three phase a/c system - (EER less than 2.5)
electric floor slab
gas-fuelled hot water (hydronic) system

Hot water system type
solar (gas boosted)
solar (electric boosted plus timer)
solar (electric boosted)
gas instantaneous - 5 Star
gas instantaneous - 4 Star
gas instantaneous - 3 Star
gas storage - 5 Star
gas storage - 4.5 Star
gas storage - 4 Star
gas storage - 3.5 Star
gas storage - 3 Star
gas storage - 2.5 Star
gas storage - 2 Star
gas storage - 1.5 Star
gas storage - 1 Star
electric heat pump
electric instantaneous
electric storage