

This checklist is a guide to the information you will need to have at hand in order to complete a BASIX assessment. Not every item on the list may apply to you - it will depend on your design. For example, if you are not intending to install any common services or facilities, ignore that section. Similarly, if you do not have a swimming pool or spa, the section will not apply.

PROJECT ADDRESS & TYPE**Project address**

Project name	<input type="text"/>
Plan type	<input type="text"/>
Plan number	<input type="text"/>
Lot number	<input type="text"/>
Section number	<input type="text"/>
Local Government Area	<input type="text"/>
Postcode	<input type="text"/>
Suburb	<input type="text"/>
Street number	<input type="text"/>
Street name	<input type="text"/>
Street type	<input type="text"/>

Project type

Separate dwelling house(s)	
Number of dwellings	<input type="text"/>
Attached dwelling house(s)	
Number of dwellings	<input type="text"/>
Multi-unit building(s)	
Number of buildings	<input type="text"/>

PROJECT DETAILS**Site details**

Site area (m ²)	<input type="text"/>
Roof area (m ²)	<input type="text"/>
Non-residential floor area (m ²)	<input type="text"/>
Residential car spaces	<input type="text"/>
Non-residential car spaces	<input type="text"/>

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Unit building details

For each unit building, gather the following information:

1. Building name
2. Number of dwellings in the building
3. Number of storeys in the building

Common areas

For each common area, gather the **floor area (m²)** and **location**.

Common areas available in BASIX are:

1. Indoor swimming pool and/or spa area
2. Gym
3. Carpark
4. Lift motor room
5. Switch room
6. Garbage room
7. Community room
8. Plant or service room
9. Other internal common area
10. Ground floor entrance or lobby types
11. Hallways or lift lobby types

Central systems or facilities

For each central system or facility in your development, gather the **location** of the system/facility. Systems/facilities available in BASIX are:

1. Swimming pool
2. Spa
3. Sauna
4. Lift
5. Central water tank - rainwater or stormwater
6. Central on-site recycled supply
7. Fire sprinkler system
8. Central hot water system
9. Central cooling system
10. Central heating system

Dwelling details

For each dwelling in your project, gather the following information:

1. Dwelling number
2. Number of bedrooms
3. Conditioned floor area (m²)
4. Unconditioned floor area (m²)
5. Total area of garden & lawn (m²)
6. Area of indigenous species (m²)

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WATER - Central systems and common areas

Complete this section **only** if your development has central systems/facilities or common areas

Common area landscape

Area of lawn (m ²)	
Area of garden (excluding lawn) (m ²)	
Area of indigenous species (m ²)	

Alternative water supply

For each **central water tank** (stormwater or rainwater), gather the following information:

1. Areas diverted to tank	
2. Roof area (m ²)	
3. Impervious area (m ²)	
4. Garden/lawn area (m ²)	
5. Planter box area (m ²)	
6. Tank size (L)	
7. Divert overflow from tank?	

For **on-site recycled/alternative water supply**, gather the available daily flow rate in litres per day.

If your development has **reticulated alternative water supply** available, click **Yes'** and select the scheme name.

Alternative water use

For each alternative water supply, describe what water collected will be used for. BASIX collects the following data:

1. Irrigation of common landscape (area in m ²)	
2. Number of car wash bays	
3. Is water used for central cooling system with cooling tower?	

Swimming pools and Spas

For each Swimming pool and or Spa, gather the following details:

1. Volume of swimming pool (kL)	
2. Is the swimming pool shaded?	
3. Volume of spa (kL)	
4. Spa Cover? (Yes/No)	
5. Is the spa shaded?	

Other

For fixtures **common areas**, nominate water ratings:

Showerhead rating	
Toilet rating	
Taps rating	
Clothes washer rating	

For each fire sprinkler systems, select 'Yes' if the test water is diverted to a closed system.

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For each central cooling system with cooling tower, select 'Yes' for the following (if applicable):

1. Private water meter on make-up line connected to BMS? (Yes/No)
2. Conductivity controller installed? (Yes/No)

WATER - dwellings

For each dwelling, gather the following information:

- | | |
|---|---|
| 1. Showerhead rating | |
| 2. Toilet rating | |
| 3. Kitchen taps rating | |
| 4. Bathroom basin taps rating | |
| 5. Hot water recirculation or diversion system type | |
| 6. Clothes washer rating (unit building only) | |
| 7. Dishwasher rating (unit building only) | |
| 8. Alternative water source: | |
| a. Areas diverted to water tank: | |
| Roof area | |
| Impervious area | |
| Garden/lawn area | |
| Planter box area | |
| b. Tank size in litres | |
| c. Water from tank to be used for: | Toilet? Laundry? Private landscape? Private swimming pool? Private outdoor spa? |
| 9. Private pool location (indoors or outdoors) | |
| 10. Private pool volume (kL) | |
| 11. Pool cover | |
| 12. Pool shaded | |
| 13. Private outdoor spa volume (kL) | |
| 14. Spa cover | |
| 15. Spa shaded | |

THERMAL COMFORT

Details of Accredited Assessor

- | | |
|------------------------------|--|
| Assessor number | |
| Certificate number | |
| zone on Assessor Certificate | |
| Do you have in-slab heating? | |

Construction

For each separate or attached house, gather the following information:

- | | |
|---|--|
| 1. Area of floor that is: | |
| a. Concrete slab on ground | |
| b. suspended floor with open subfloor | |
| c. suspended floor with enclosed subfloor | |
| d. suspended floor above garage | |
| 2. Whether the dwelling has primarily mud or rammed brick walls | |

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Thermal loads

For each dwelling, gather the following information:

1. Area adjusted heating load (mJ/m².year)
2. Area adjusted cooling load (mJ/m².year)

ENERGY - central systems

Complete this section **only** if your development has central systems/facilities

Central hot water system

For each system, gather the following information:

1. System type. Select from the list below:

- Cogeneration system
- Solar - gas boosted
- Solar - electric boosted
- Electric heat pump - gas boosted
- Electric heat pump - air sourced
- Gas instantaneous
- Gas - fired boiler
- Gas - fired storage (manifolded)
- Electric instantaneous
- Electric storage

2. Solar collector area (solar only) (m²)

3. Piping insulation (ring-main & supply risers):

- a. Piping external to building
- b. Piping internal to building

Central cooling system

For each system, gather the following information:

1. System type. Select from the list below:

- Chilled water fan coiled units
- Water sourced packaged units
- Variable refrigerant volume units

2. Energy source for the system
3. Heat rejection method
4. Unit efficiency

Central heating system

For each system, gather the following information:

1. System type. Select from the list below:

- Fan coil + heated water
- Fan coil + electric resistance
- Radiators + heated water
- Water source packaged units + heated water
- Water source packaged units + electric resistance
- Variable refrigerant volume units

2. Energy source for the system
3. Unit efficiency

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Alternative energy supply	
Cogeneration system	
Fuel type	
Electrical output (kW)	
Efficiency of fuel to electricity conversion (%)	
Photovoltaic system	
Rated electrical output (peak kW)	
Lift systems	
For each system, gather the following information:	
1. System type. Select from the list below:	
	Gearless traction with V V V F motor
	Geared traction with V V A C motor
	Hydraulic
2. Number of levels serviced by the lift (including basement)	
Swimming pools and Spas	
For each pool and spa, gather the following information:	
1. Pool heating system	
2. Is pool pump controlled by timer? (Yes/No)	
3. Spa heating system	
4. Is spa pump controlled by timer? (Yes/No)	
Saunas	
For each sauna, gather the following information:	
1. Heating source. Select from the list below:	
	Electric infrared
	Gas
	Electric resistance
2. Efficiency measure	
Other	
Building management system (BMS) installed?	Yes/No
Active power factor correction (PFC) installed?	Yes/No
Common area clothes drying line installed?	Yes/No
Common area clothes dryer rating	Yes/No
Common area clothes washer rating	Yes/No

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ENERGY - common areas

Complete this section **only if** your development has common areas

Ventilation

For each common area, gather the following information:

1. Ventilation system type. Select from the list below:

- Natural ventilation
- Ventilation supply only
- Ventilation exhaust only
- Ventilation (supply + exhaust)
- Air conditioning system

2. Efficiency measure

Lighting

For each common area & lift system, gather the following information:

1. Primary lighting system type. Select from the list below:

- No artificial lighting
- Solar powered
- Low-pressure sodium
- High-pressure sodium
- Metal halide
- Compact fluorescent
- Fluorescent
- Mercury
- Halogen
- Incandescent

2. Efficiency measure

3. Lighting control system/BMS available? (Yes/No)

ENERGY - dwellings

For each dwelling, gather the following information:

1. Hot water system. Select from previously described **central** hot water systems or **individual** systems listed below:

- Solar (gas boosted, flat plate) + STCs
- Solar (gas boosted, evacuated tube) + STCs
- Solar (electric boosted) + STCs
- Electric heat pump + STCs
- Gas instantaneous + star rating
- Gas storage + star rating
- Electric instantaneous
- Electric storage

2. Bathroom, kitchen and laundry exhaust system + operation control.

Select from types of exhaust systems below:

- Natural ventilation
- Individual fan, not ducted
- Individual fan, ducted to façade or roof
- Central ducted
- Individual fan into central ducting plus variable speed drive
- Motorised damper into central duct plus variable speed drive

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3. Cooling system . Select from previously described **central** cooling system or **individual** cooling systems for both **living areas** and **bedrooms** from the list below:

- No individual system
- Ceiling fan
- Evaporative cooling
- Ceiling fan + air conditioner
- 1 phase air conditioner + star rating
- 3 phase air conditioner + EER rating
- Air conditioning ducting only

4. Heating system. Select from previously described **central** heating system or **individual** heating systems for both living areas and bedrooms from the list below:

- No individual system
- Gas fixed flued heater + star rating
- Gas hydronic system
- 1 phase air conditioner + star rating
- 3 phase air conditioner + EER rating
- Air conditioning ducting only
- Electric floor slab

Fluorescent lighting

For each dwelling, nominate the rooms that will be primarily lit by fluorescent lighting. For each room specify if the light fitting accept only fluorescent lamps (dedicated fluorescent fitting)

- 1. Number of bedrooms/study
- 2. Number of living/dining rooms
- 3. Kitchen
- 4. Bathroom/toilets
- 5. Laundry
- 6. Hallways

Natural lighting

For each dwelling, gather the following information:

- 1. Number of separate bathrooms/toilets naturally lit by either window or skylight.
- 2. Is kitchen naturally lit by either window or skylight? (Yes/No)

Private swimming pool and spa

For each dwelling, gather the following information:

- 1. Pool heating system
- 2. Is pump controlled by timer? (Yes/No)
- 3. Spa heating system
- 4. Is pump controlled by timer? (Yes/No)

Appliances

For each dwelling, gather the following information:

- 1. Cooktop/oven type. Select from the list below:
 - Gas cooktop & Gas oven
 - Gas cooktop & Electric oven
 - Electric cooktop & Electric oven
 - Induction cooktop and Electric oven

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2. Is the fridge situated in a well ventilated fridge space? (Yes/No)

3. Refrigerator rating (unit building only)

4. Dishwasher rating (unit building only)

5. Clothes washer rating (unit building only)

6. Clothes dryer rating (unit building only)

Other

For each dwelling, gather the following information:

1. Indoor clothes drying line installed? (eg: screened line on balcony, line over bath, etc) (Yes/No)

2. Private outdoor or unsheltered clothes drying line installed? (Yes/No)

3. Is air conditioning day-night zoned between living and bedroom areas?

Alternative energy

For each dwelling (other than units), gather the following information:

Photovoltaic system

Rated electrical output (peak kW)

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