

# ENERGY RATING CHECKLIST – PROJECT INFORMATION

## CLIENT DETAILS

Name to go on certificate: ..... Checklist filled in by: .....

Phone: ..... Email: .....

Project Address: .....

Lot Number: ..... Plan RP/SP Number: .....

Suburb: ..... Postcode: .....

Council to which plans are to be lodged: ..... Private Certifier: .....

## BILLING INFORMATION

Name: ..... Address: .....

Suburb: ..... Postcode: .....

Method of Payment:  Credit Card  Direct Deposit Email: .....

## HOW TO COMPLETE THIS CHECKLIST:

- Please select relevant boxes (more than one type of material may be selected). If different materials are used on the first and second storey, please select the boxes marked '1st' and '2nd' accordingly.
- **Note:** if your building product or material is not listed here, please provide the, manufacturer and thermal characteristics such as U value, R value, shading coefficient, reflectance, absorptance etc. to the Assessor.
- Any additional information can be provided in the 'Other' box in each section.

## PLEASE SUPPLY THE FOLLOWING INFORMATION TO SUCCESSFULLY COMPLETE YOUR ENERGY EFFICIENCY REPORT:

- Site Plan with North Point Indicated
- Floor Plan
- Elevations
- Sections and Details
- Window / Door sizes (Schedule)
- Electrical Plan Showing Recessed Downlights, Ceiling Fans, Heating and Cooling Units Inc. kW, Solar Panel Location

When emailing please supply plans in PDF format. The energy rating will be completed in 5-7 working days following receipt of ALL required information. Completed checklist and plans to be emailed to [info@greenatheart.com.au](mailto:info@greenatheart.com.au). Once all information is received, we will provide an invoice containing payment instructions. Payment is to be received prior to release of certificate.

## DISCLAIMER:

I certify that the information provided is correct. Any changes to be made to the provided specifications during the design or construction stage must be provided to the certifier to reassess the energy efficiency rating.

Signed: .....

Form completed by: .....

Date: .....

# ENERGY RATING CHECKLIST – HOUSING SPECIFICATIONS

## SITE INFORMATION

Site Area: .....m<sup>2</sup>

National Construction Code Climate Zone: .....

## TERRAIN

- Exposed                       Suburban                       Open                       Protected

## EXTERNAL WALLS

<b>WALL TYPE</b> <input type="checkbox"/> Weatherboard <input type="checkbox"/> Concrete Block 190mm <input type="checkbox"/> Double Brick <input type="checkbox"/> Brick Veneer <input type="checkbox"/> Texture Board <input type="checkbox"/> FC Sheeting/Cavity <input type="checkbox"/> Metal Cladding <input type="checkbox"/> EPS Cavity Stud	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>WALL INSULATION TYPE</b> <input type="checkbox"/> None <input type="checkbox"/> Bulk Insulation R value..... <input type="checkbox"/> Bubble Foil R value..... <input type="checkbox"/> Foil Lined Batts R value..... <input type="checkbox"/> Reflective Foil R value.....	1st 2nd <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>WALL COLOUR</b> <input type="checkbox"/> Light <input type="checkbox"/> Medium <input type="checkbox"/> Dark Other (please specify): <div style="border: 1px solid black; height: 60px; width: 100%;"></div>	1st 2nd <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		<b>WALL FRAMING TYPE</b> <input type="checkbox"/> Timber <input type="checkbox"/> Steel (specify thermal break type in other)			

## INTERNAL WALLS

<b>WALL TYPE</b> <input type="checkbox"/> Plasterboard on studs <input type="checkbox"/> Hebel <input type="checkbox"/> Mudbrick	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Concrete Block 90mm <input type="checkbox"/> Concrete Block 150mm <input type="checkbox"/> Concrete Block 200mm	1st 2nd <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Other (please specify): <div style="border: 1px solid black; height: 100px; width: 100%;"></div>
<b>INTERNAL WALL HEIGHT</b> <input type="checkbox"/> 1st floor <input style="width: 80px;" type="text"/> mm <input type="checkbox"/> 2nd floor <input style="width: 80px;" type="text"/> mm			<b>WALL FRAMING TYPE</b> <input type="checkbox"/> Timber <input type="checkbox"/> Steel	

## FLOORS

<b>FLOOR COVERINGS</b> <input type="checkbox"/> None <input type="checkbox"/> Carpet <input type="checkbox"/> Vinyl <input type="checkbox"/> Ceramic Tiles <input type="checkbox"/> Timber <input type="checkbox"/> Timber on Concrete <input type="checkbox"/> Cork	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>FLOOR INSULATION TYPE</b> <input type="checkbox"/> None <input type="checkbox"/> Bulk Insulation <input type="checkbox"/> Bubble Foil <input type="checkbox"/> Foil Lined Batts	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>FLOOR STRUCTURE</b> <input type="checkbox"/> Concrete Slab <input type="checkbox"/> Suspended Slab <input type="checkbox"/> Timber <input type="checkbox"/> Waffle Pod Slab (show size in 'Other')	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
				Other (please specify): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	

## CEILING

<b>CEILING LINING TYPE</b> <input type="checkbox"/> Plasterboard <input type="checkbox"/> Timber <input type="checkbox"/> Concrete Ceiling Height: .....mm	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>CEILING INSULATION TYPE</b> <input type="checkbox"/> None <input type="checkbox"/> Bulk Insulation R-value..... <input type="checkbox"/> Bubble Foil R-value.....	1st 2nd (floor) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Other (please specify): <div style="border: 1px solid black; height: 70px; width: 100%;"></div>
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# ENERGY RATING CHECKLIST – HOUSING SPECIFICATIONS

## ROOFING

### ROOF MATERIAL TYPE

- Sheet Metal
- Concrete Tiles
- Terracotta Tiles
- Concrete Slab

1st 2nd (floor)

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

### ROOF INSULATION TYPE

- None
- Bulk Insulation R-value.....
- Bubble Foil R-value.....

1st 2nd (floor)

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

### ROOF COLOUR

- Light
- Medium
- Dark

Roof Pitch  
(in degrees):

.....

### ROOF VENTILATION

- Whirly Bird
- Ridge
- Solar

Yes No

<input type="checkbox"/>	<input type="checkbox"/>
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### EAVES VENTILATION

- Clip-in Vents
- Slotted sheets
- Other

Yes No

<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------

Number vents: .....

Number vents: .....

Other (please specify):

## SKYLIGHTS

### TYPE

- Single Glazed Clear
- Double Glazed Clear

- Single Glazed Opal
- Double Glazed Opal

Location (please specify):

## WINDOWS

- Window Dimensions Clearly Shown on Plan or Window Schedule

- Weather Seals to Doors & Windows

### FRAME TYPE

- Timber
- Aluminium
- Aluminium with Thermal Break
- Steel
- UPVC

### GLASS TYPE

- Single Glazed Clear
- Single Glazed Tinted
- Single Glazed Low E Clear
- Double Glazed Clear

Other (please specify):

PRODUCT: .....

U-VALUES: .....

BRAND .....

SHGC VALUES: .....

## CEILING FANS (If not on plans state locations)

### LOCATION

- Lounge/ Dining
- Bedrooms
- Bathrooms
- Kitchen

### FAN SIZES

- 900mm
- 1200mm
- 1800mm
- 2100mm

Other (please specify):

## LIGHTING/ELECTRICAL

### REQUIRED

- Plan attached showing recessed Downlights and Ceiling fans

### SPACE AROUND DOWNLIGHTS

- 50mm
- 100mm
- 200mm
- 300mm

Other (please specify):

**Additional Information (please specify):**



**ENERGY RATING CHECKLIST – WHOLE OF HOME APPLIANCES**

**ROOM COOLING**

Room Name	Y	N	Type of System	Make	Model	Kilowatts	Heating Stars	Cooling Stars
Lounge			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Dining			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Kitchen			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Bed 1			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Bed 2			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Bed 3			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Bed 4			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Bed 5 or Other .....			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Media or Other .....			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
Study or Other .....			<input type="checkbox"/> Ducted Evaporative <input type="checkbox"/> Room Evaporative <input type="checkbox"/> Ducted Refrigerative <input type="checkbox"/> Room Refrigerative <input type="checkbox"/> Reverse Cycle					
<b>Notes:</b>								

NOTES: Enter each AC unit only once, e.g. if open plan living area with AC only enter in one room.  
 Visit **GEMS Air Conditioner Database**: [https://reg.energyrating.gov.au/comparator/product\\_types/](https://reg.energyrating.gov.au/comparator/product_types/) for more information on AC Specifications.



**ENERGY RATING CHECKLIST – WHOLE OF HOME APPLIANCES**

**ROOM HEATING**

Room Name	Y	N	Type of System	Make	Model	Kilowatts	Heating Stars	Cooling Stars
Lounge			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Dining			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Kitchen			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Bed 1			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Bed 2			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Bed 3			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Bed 4			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Bathrooms Number: .....			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Media or Other .....			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
Study or Other .....			<input type="checkbox"/> Ducted Gas <input type="checkbox"/> Gas Room Heater <input type="checkbox"/> Ducted Reverse Cycle <input type="checkbox"/> Room Reverse Cycle <input type="checkbox"/> Electric Resistance Heater <input type="checkbox"/> Slow Combustion (wood)					
<b>Notes:</b>								
If electric resistance heater, specify panel size here:								

NOTE: Enter each unit only once, e.g. if open plan living area with one heater, only enter in one room.



## ENERGY RATING CHECKLIST – WHOLE OF HOME APPLIANCES

### WATER HEATING

Type of System	Make	Model	STCs	Gas Stars	Tank Size	Peak/Off Peak
<input type="checkbox"/> Electric <input type="checkbox"/> Instantaneous <input type="checkbox"/> Electric Storage <input type="checkbox"/> Gas Instantaneous <input type="checkbox"/> Gas Storage <input type="checkbox"/> Heat Pump <input type="checkbox"/> Solar Boosted Gas <input type="checkbox"/> Solar Diverter <input type="checkbox"/> Solar Electric						
<b>Notes:</b>						

STC Lookup Site, and Postcode Climate Zone lookup Site: <https://cleanenergyregulator.gov.au/schemes/renewable-energy-target/small-scale-renewable-energy-scheme/small-scale-renewable-energy-0> Hot Water Heater Database: [https://reg.energyrating.gov.au/comparator/product\\_types/](https://reg.energyrating.gov.au/comparator/product_types/)

### COOKING

Appliance	Make	Model	Gas, Electric or Induction
<input type="checkbox"/> Cooktop			
<input type="checkbox"/> Oven			
<input type="checkbox"/> Oven 2			
<b>Notes:</b>			

**PLUG-IN APPLIANCES:** Calculated automatically, but to find energy efficient appliances covered under the GEMS star rating system, use the following:  
Major White Good Database: [https://reg.energyrating.gov.au/comparator/product\\_types/](https://reg.energyrating.gov.au/comparator/product_types/)  
Appliance Star Savings Calculator: [www.energyrating.gov.au/calculator](http://www.energyrating.gov.au/calculator)

### SWIMMING POOL OR SPA

YES  NO

Surface Area m <sup>2</sup> or Volume m <sup>3</sup>	Pump Make & Model	Pump Type	Star Rating
		<input type="checkbox"/> Single Speed <input type="checkbox"/> Dual Speed <input type="checkbox"/> Multi Speed <input type="checkbox"/> Variable Speed	
<b>Notes:</b>			

Pool Pump Database: [https://reg.energyrating.gov.au/comparator/product\\_types/](https://reg.energyrating.gov.au/comparator/product_types/)

### SOLAR POWER AND BATTERIES (Location to be noted on plans)

PHOTOVOLTAICS				
Panel Array	Panel Size (kW)	Panel Orientation	Panel / Roof Pitch Slope	Power Phase
1				<input type="checkbox"/> Single Phase <input type="checkbox"/> 2 Phase <input type="checkbox"/> 3 Phase
2				
3				
<b>Total Inverter Capacity:</b>		<b>Network Limit Export Cap:</b> If over 5kW must indicate on plans.		
BATTERIES (If included)				
Type	Nominal Storage Capacity (kW hours)			
<input type="checkbox"/> Lithium - Ion <input type="checkbox"/> Lead - Acid <input type="checkbox"/> Zinc - Bromine				
<b>Notes:</b>				

**From 1st of May 2024:**  
**Legislative Changes to Energy  
Efficiency Requirements.**

**green at heart**  
sustainable building consultants



### **Energy efficiency Certification using the BERSPro 5 software and the new Whole of Home assessments (WoH) as per NCC 2022 requirements**

#### **Changes to Class 1 residential buildings include (but are not limited to):**

- Minimum 7-star rating in Queensland and 5-star in Northern Territory
- New whole of house energy budget provisions including items such as lighting, hot water systems, cooking equipment, pool and spa pumps, heating and cooling systems with potential offsets such as solar panels
- Higher window and glazing performance
- Increases to required ceiling and wall insulation R-values
- New requirements for thermal bridging of steel framing
- Liveable housing provisions

#### **Changes to Class 2 buildings**

- Minimum 7-star rating average with no single unit less than 6 stars
- New requirements for thermal bridging of steel framing
- Creation of solar ready zones for future installation of onsite renewables
- Provision for future installation of electric vehicle charging equipment for 100% of car parking spaces

#### **INCLUSIONS:**

##### **Initial Assessment**

To highlight any potential issues and provide feedback to architect/designer as a guide for specifying systems and materials.

##### **Working assessment**

We are able to work with designers to achieve the desired outcome for their projects. If the home does not meet the minimum required pass rate on the first simulation, there is no additional charge to incorporate changes to meet the minimum standard.

##### **Final assessment**

Energy Efficiency Certification for building approval lodgement and Form 15. Any changes to the specifications or plans made after the final certificate is issued must be reassessed and additional charges will apply.

##### **Who is Green at Heart?**

Green at Heart was established in 2003 and services many businesses throughout Queensland and Australia. We have a reputation for accurate quality work, our service is prompt and efficient with a 5-14 working day turnaround, where possible.

Andrew Barrett - Director