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146-150 Bridport St, Albert Park

Sustainable Management Plan

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1. Introduction

Project Information

GIW Environmental Solutions Pty Ltd ("GIW") has been engaged by Jacmax Boxhall Pty Ltd to provide Environmentally Sustainable Design (ESD) consulting services for the proposed mixed-use development at 146-150 Bridport Street, Albert Park.

The proposed development will include 8 apartments and 1 F&B tenancy constructed over 4 levels plus basement carpark and will consist of the following:

- 3 x 2 bedroom apartments
- 2 x 3 bedroom apartments
- 3 x 4 bedroom apartments
- 455m² F&B

The site located at 146-150 Bridport Street, Albert Park has an approximate surface area of 972m² and is currently the location of a commercial development. Distance from the site to Melbourne CBD is approximately 4km.



Figure 1 - Pre-existing sites at 146-150 Bridport Street, Albert Park.



Statutory Requirements

This Sustainable Management Plan (SMP) has been prepared to inform City of Port Phillip of the proposed development's sustainability credentials and performance targets. The project team is committed to achieving a building solution which responds to City of Port Phillip Planning Scheme - Clause 15.01-2L-02 Environmentally Sustainable Development.

Development Type	Application Requirement	Example Tools
Development of 10 or more	Sustainability Management Plan (SMP)	BESS
dwellings.		Green Star
		MUSIC
		STORM

Further to the above, this SMP also responds to Victoria Planning Provisions VC216 – 15.01-2S.

Built Environment Sustainability Scorecard (BESS)

The proposed mixed-use development will be assessed against the Built Environment Sustainability Scorecard (BESS) guidelines. The BESS tool addresses nine key environmental categories as follows:



Figure 2 - BESS Environmental Categories (www.bess.net.au)

All ESD measures described under the nine key environmental categories are to be suitably incorporated into relevant project documentation at the appropriate project phase.



Responsibilities & Implementation

Jacmax Boxhall Pty Ltd will be responsible for the suitable implementation of the requirements of this report throughout the design and development phases. Should the development be sold the responsibility will pass to the new owner. At such time as a builder is novated or a building contract is put in place the builder will be responsible for implementation during the construction phase. At occupancy, the Owners Corporation and individual lot owners and or tenants will be responsible for the correct use of installed equipment and building systems in line with the provided Building User's Guide.

Sources of Information

The following 'Sources of Information' have been used to guide the design solutions:

- Cera Stribley Project No. 21229 Drawing No. TP.0100-TP.0102 Rev D; TP.0130 Rev D; TP.0200-TP.0202 Rev D; TP.0300-TP.0303 Rev D; TP.1000 Rev D; TP.1090-TP.1091 Rev F; TP.1100-TP.1103 Rev D; TP.1110 Rev D; TP.2100-TP.2103 Rev D; TP.2104 Rev F; TP.3000-TP.3003 Rev D; TP.5000-TP.5001 Rev D; TP.5004-TP.5005 Rev D; TP.8000-TP.8003 Rev D; TP.9000 Rev A.
- Municipal Association of Victoria SDAPP Explained; Building Design for a Sustainable Future
- Built Environment Sustainability Scorecard (BESS)
- CSIRO 1999, Urban Stormwater Best Practise Environmental Management Guidelines



2. ESD Summary

The proposed mixed-use development at 146-150 Bridport Street, Albert Park will implement the following ESD initiatives:

- 1. The project achieves a total BESS score of 59% with no mandatory category (IEQ, Energy, Water, Stormwater) below 50%.
- 2. 75% (6 out of 8) of the development's apartments are naturally cross-ventilated.
- 3. The in-built BESS daylight calculator has been utilised to demonstrate compliance under BESS IEQ 1.2 and 1.3.
- 4. The non-residential areas are targeting a 2% DF to 33% of the nominated area.
- 5. 75% (6 out of 8) of apartments achieve at least 3 hours of sunlight.
- 6. The development is provided with a comprehensive shading strategy.
- 7. The development is to achieve a 6.5 Star average NatHERS Energy Rating result.
- 8. The non-residential areas aim to reduce heating and cooling energy consumption below the reference case (BCA Section J 2019).
- 9. The development is to utilise an electric instantaneous or heat pump hot water system.
- 10. A 5.2kW Solar PV system is to be located on the roof of the proposed development.
- 11. Individual cold and electricity meters will be provided to the apartments and communal areas.
- 12. Water efficient fittings and fixtures are applied throughout.
- 13. A 17,000-litre rainwater tank will harvest rainwater from the new roof areas. This tank will be connected to all WC's and landscape irrigation.
- 14. A Melbourne STORM rating of 100% is achieved.
- 15. Landscape irrigation demand will be connected to the rainwater tank.
- 16. In total 8 bicycle spaces are to be provided for residents.
- 17. In total 8 bicycle spaces are to be provided for employees.



3. BESS Performance

The project achieves a total BESS score of 59% with no mandatory category (IEQ, Energy, Water, Stormwater) below 50%. This figure represents a percentage improvement over a benchmark project. A score of 50% and higher equates to 'best practice' and is an effective pass of the BESS tool. A score of 70% and higher equates to BESS 'excellence' and exists as a higher benchmark in the tool.

Your BESS Score					
	Best practice Excellence				
0% 10% 20%	30% 40% 50% 60% 70% 80% 90% 100%	59%			
Project details					
Name Address Project no BESS Version	Copy of 146 Bridport St, Albert Park VIC 3206, Australia 146-150 Bridport St Albert Park Victoria 3206 E5F6286B-R5 BESS-7				
Site typeMixed use developmentAccountinfo@giw.com.auApplication no.972 m²Site area972 m²Building floor area2,267 m²Date26 November 2024Software version2.0.1-B.572					
Performance by ca	tegory • This project • Maximum available	Project composition			
CategoryWeightManagement5%Water9%Energy28%Stormwater14%IEQ17%Transport9%Waste6%Urban Ecology6%Innovation9%	59% 1 50% 2 55% 2 100% 2 56% 1 9% 1 0% 1	 Apartment Shop 			



4. ESD Assessment

Management

Council ESD objectives:

• To encourage a holistic and integrated design and construction process and ongoing high performance.

Criteria		Construction and Building Management Actions		
Pre- Application Meeting	To ensure appropriate sustainable design principles and strategies are considered from the preliminary design stage of each development.	GIW has been actively involved in the preliminary design stage, but has not been involved in a pre-application meeting with Council.		
Metering	To provide building users with information that allows monitoring of energy and water consumption	Electricity and cold water metering is to be provided to each individual apartment and commercial tenancy. Lighting and general power to common areas is to be separately metered to quantify energy used for common areas spaces.		
Building User's Guide	To encourage and recognise initiatives that will help building users to use the building more efficiently.	 A Building User's Guide will be provided to all occupants explaining the correct use of installed equipment and building systems. This shall cover at a minimum: Energy and Environmental Strategy Options for purchasing a ≥3 Star Washing Machine Monitoring and Targeting Building Services Transport Facilities Materials and Waste Policy Expansion/Re-fit Considerations References and Further Information 		



Water

Council ESD objectives:

- To ensure the efficient use of water
- To reduce total operating potable water use
- To encourage the collection and reuse of stormwater
- To encourage the appropriate use of alternative water sources (e.g. grey water)
- To minimize associated water costs

Criteria		Development Provision				
Potable Water Reduction	To reduce total potable water use due through the use of efficient fixtures,	<section-header></section-header>	WELS 5 Star - Taps Ur u	<section-header></section-header>	<section-header></section-header>	
Rainwater Collection & Reuse	appliances, and the use of rainwater.	A 17,000-litre rainwater tank will harvest rainwater from the new roof areas. This tank will be connected to all WC's and landscape irrigation. It is estimated that this will save more than 151kL of potable water every year and meet 76% of the demand in these areas. Stormwater drainage mechanism is to be determined by the hydraulics services engineer at the design development phase. Refer Appendix A – WSUD Response				
Landscape Irrigation	To ensure the efficient use of water and to reduce total operating potable water use through encouraging water efficient landscape design.	Landscape irrigation demand will be connected to the rainwater tank.		o the rainwater		



Criteria		Development Provision
Building System Water Use Reduction	Ensure the efficient use of water, to reduce total operating potable water use and to encourage the appropriate use of alternative water sources for cooling and fire testing systems.	N/A



Energy

Council ESD objectives:

- To ensure the efficient use of energy
- To reduce total operating greenhouse emissions
- To reduce energy peak demand
- To reduce associated energy costs

Council Best Practice Standard

Criteria		Development	Provision					
		The National Occupancy of designed in a requirements Star rating, w	al Constru Unit(s) res accordanc . The resic ith no unit	uction Co sidential b e with NC lential unit achieving	de (NCC) puilding co CC Section s must ac below 5 St	Class 2 cmponent J (2019) hieve an a tars.	2 – Sole is to be NatHERS verage 6.5	
		Further to th cooling load accordance v	Further to this no dwelling is to exceed the maximum allowed cooling load of 30 MJ/m2 (Climate Zone 21 Melbourne RO) In accordance with BADS Standard B35.					
To reduce energy needed to achieve thermal Thermal Performance Rating - Summer and winter -		The apartment represents > compliance demonstrate	nts are cu > 10% re benchma the develo	rrently ach duction c arks. The pments at	ieving a 7 ompared e below pility to ach	1 Star ave to minin sample nieve this a	erage. This num NCC e ratings average.	
	To reduce energy needed to achieve thermal comfort in summer and winter - improving comfort reducing	Apartment No.	ACE Total MJ/M2	ACE Heating	ACE Cooling	ACE NCFA	Star Rating	
		G01	63.6	57.5	6.1	220.2	7.7	
		G02	81.5	76.9	4.6	167.7	7.1	
Residential		101	57	31	26	164.2	7.9	
	greenhouse gas	102	49.5	35.3	14.2	170	8.2	
	emissions, energy	201	64.3	36.2	28.1	229.2	7.6	
	consumption,	202	98.3	83	15.3	132	6.4	
	and maintenance	301	105.5	78.7	26.8	211.5	6.3	
		302	133.6	110.5	23.1	138.7	5.4	
		Average	81.7	63.6	18.0	179.2	7.1	
		*Anortmonto	oro oppos	od uping [VE 2 2		

*Apartments are assessed using FirstRate5 v5.3.2

Construction assumptions for preliminary FirstRate5 ratings are listed below. Note, these assumptions are based on the sample of apartments assessed and may vary throughout the development. These assumptions are not to be relied upon for



Criteria	Development Provision			
	any other purpose bey	yond Town Planning as	ssessment.	
	Element	Material	Insulation Value	
	Floor (exposed above/below)	Suspended Concrete Slab	R1.75	
	External Walls	Concrete/Brick	R1.8	
	Internal Walls	Concrete	R1.8	
	Internal Walls	Plasterboard	R2.5	
	Roof	Metal Framed Deck	R7.3+RFL	
	Fixed Windows	Aluminium framed, Double glazed, Argon filled, Low-E, Clear	Total System: – U-Value: 2.71 – SHGC: 0.58 – VLT: 0.62	
	Sliding Doors	Aluminium framed, Double glazed, Argon filled, Low-E, Clear	Total System: – U-Value: 3.19 – SHGC: 0.48 – VLT: 0.55	
	Double Hung Windows	Aluminium framed, Double glazed, Argon filled, Low-E, Clear	Total System: – U-Value: 3.70 – SHGC: 0.49 – VLT: 0.55	
	Fixed Windows (only applied to 301 northeast and northwest living/kitchen windows)	Aluminium framed, Double glazed, Argon filled, Spectrally Selective	Total System: – U-Value: 2.65 – SHGC: 0.25 – VLT: 0.54	
	Sliding Doors (only applied to 301 northeast and northwest living/kitchen windows)	Aluminium framed, Double glazed, Argon filled, Spectrally Selective	Total System: – U-Value: 2.79 – SHGC: 0.24 – VLT: 0.54	



Criteria		Development Provision			
		Double Hung Windows (only applied to 301 northeast and northwest living/kitchen windows)	Aluminium framed, Double glazed, Argon filled, Spectrally Selective	Total System: – U-Value: 3.50 – SHGC: 0.22 – VLT: 0.47	
Thermal Performance Rating – Non- Residential	To reduce energy needed to achieve thermal comfort in summer and winter - improving comfort, reducing greenhouse gas emissions, energy consumption, and maintenance costs.	The non-residential a energy consumption 2019). Appendix B –	reas aim to reduce hea below the reference ca Preliminary Part J1.5 F	ating and cooling ase (BCA Section J açade Calculator.	
Electrification	To support the transition to renewable energy sources.	The apartments will b and cooktops.	be all-electric incl. elect	ric hot water system	
HVAC System	To ensure the efficient use of energy and to reduce consumption of electricity.	Inverter split systems conditions of the hab efficiency of the air co rating of best availab measurement standa VRV / VRF systems v non-residential areas	are to be installed and itable rooms of each a onditioning system is t le under MEPS Post-O ard. vith a COP of 3.4 are to	d sized to maintain partment. The to be within 1 star ctober 2012 o be installed to the	
Hot Water System	To ensure the efficient use of energy and to reduce consumption and greenhouse emissions from water heating.	The development is t heat pump hot water	o utilise either electric systems.	instantaneous or	



Criteria		Development Provision
Car Park Ventilation	To ensure the efficient use of energy, reduce total operating greenhouse gas emissions and to reduce energy peak demand.	Carpark ventilation fans are driven by a VSD motor connected to CO sensors within the carpark. The inclusion of CO sensor control will allow the ventilation fans to ramp down when the car park is unoccupied. The system is to be designed in accordance with AS1668.2. The mechanical services engineer is responsible for the design and specification of the system. The contractor is to procure and install the specified system. Maintenance requirements of the CO sensor system are to be included in the O&M manual.
Clothes Drying	To reduce energy consumption and greenhouse emissions associated with clothes drying	Nil.
Internal Lighting - Residential	To ensure the efficient use of energy, to reduce energy consumption, greenhouse emissions associated with artificial lighting, and to reduce energy peak demand.	 The maximum illumination power density (W/sqm) is at least 20% lower than NCC 2019 requirements. Lighting power density shall be as follows: Dwellings: No greater than average 4W/m² POS: No greater than average 4W/m² Back of house and indoor car parks: No greater than average 5W/m² All common area, external and carpark lighting is to be controlled with daylight, motion sensors or timers (whichever is deemed appropriate).
Internal Lighting – Non- Residential	To ensure the efficient use of energy, to reduce energy consumption, greenhouse emissions associated with artificial lighting, and to reduce energy peak demand.	The maximum illumination power density (W/m2) in the non- residential areas meets the requirements of Table J6.2a of the NCC 2019 Section J. Lighting power density shall be as follows: • Retail: No greater than average 14W/m ²



Criteria		Development Provision
		A 5.2kW Solar PV system is to be located on the roof of the proposed development. The system is expected to generate approximately 7,496kWh.
Renewable Energy Systems - Solar	To encourage on- site renewable energy generation and reduce greenhouse emissions.	Image: Source of the source



Stormwater

Council ESD objectives:

- To reduce the impact of stormwater run-off
- To improve the water quality of stormwater run-off
- To achieve best practice stormwater quality outcomes
- To incorporate water sensitive urban design principles

Criteria		Development Provision
Stormwater Treatment	To minimise negative environmental impacts of stormwater runoff and maximise onsite re-use of stormwater.	The Melbourne Water - Stormwater Treatment Objective Relative Measure (STORM) tool has been applied to determine performance relative to Best Practice Environmental Management Guidelines (Victoria Stormwater Committee, 1999). As per City of Port Phillip Planning Scheme - Clause 53.18 Stormwater Management in Urban Development, the development is required to achieve a STORM rating of 100% or greater.
		 Rainwater collection off the new roof areas is to be directed into a 17,000-litre rainwater tank connected to
		all WC's and landscape irrigation.
		Refer Appendix A – WSUD Response.



Indoor Environment Quality

Council ESD objectives:

- to achieve a healthy indoor environment quality for the wellbeing of building occupants.
- to provide a naturally comfortable indoor environment will lower the need for building services, such as artificial lighting, mechanical ventilation and cooling and heating devices.

Criteria		Development Provision
Daylight Access - Residential	To provide a high level of amenity and energy efficiency through design for natural light.	The in-built BESS daylight calculator has been utilised to demonstrate compliance under BESS – IEQ 1.2 and 1.3.
Winter Sunlight	To provide a high level of amenity and reduce need for artificial heating in winter.	75% (6 out of 8) of apartments achieve at least 3 hours of sunlight.
Daylight Access – Non- Residential	To provide a high level of amenity and energy efficiency through design for natural light.	The non-residential areas are targeting a 2% DF to 33% of the nominated area.
Minimal Internal Bedrooms	90% of bedrooms have an external window.	NIL internal bedrooms.
Effective Natural Ventilation	To provide fresh air and passive cooling opportunities.	75% (6 out of 8) of the development's apartments are naturally cross-ventilated. Apartments are provided with windows on opposite or adjacent facades or are effective single sided ventilated.



Council Best Practice Standard

Criteria		Development Provision	
		Typical natural cross-	ventilated apartment
Ventilation – Non-	l o provide fresh air and passive cooling opportunities.	Cutdoor air rate for the commerc compared to AS 1668:2012.	ial areas is to be 50% increased
Residential		This is to be included in the mech specifications.	nanical design and
		The development is provided with strategy:	n a comprehensive shading
Thermal Comfort	To provide comfortable indoor spaces and reduce energy needed for heating and cooling.	Worth oriented windows at	Worth, east and west
		ground floor and level 1 are shaded by the overhanging slab of the floor above.	floor – level 3 are either shaded by the built form or

recessed by 200mm.



Criteria		Development Provision
		North and east oriented living area windows at level 1-3 are shaded by a 350mm deep overhang and 350mm deep vertical elementsSouth-west oriented windows are sized to limit solar heat gains during summer and heat loss during winter.
Thermal Comfort – Non- Residential	To provide comfortable indoor spaces and reduce energy needed for heating and cooling.	The development is provided with a comprehensive shading strategy: Image: the strategy is replaced to match existing. Heritage canopy is replaced to match existing. None of the regular use areas of the commercial areas are provided with ceiling fans.
Air Quality – Non- Residential	All paints and adhesives meet the maximum total indoor pollutant emission limits.	All internally applied paints adhesives and sealants are to have a low or ultra-low VOC content in line with Green Star Buildings V1 Credit 13.
	All carpet meets the maximum total indoor	All internally applied carpets are to have a low VOC content in line with Green Star Buildings V1 Credit 13.



Criteria		Development Provision
	pollutant emission limits.	
	All engineered wood meets the maximum total indoor pollutant emission limits.	All internally applied engineered wood products are to have low formaldehyde levels in line with Green Star Buildings V1 Credit 13.



Transport

Council ESD objectives:

- To minimise car dependency.
- To ensure that the built environment is designed to promote the use of public transport, walking and cycling.

Criteria		Development Provision
Bicycle Parking – Residential & Residential Visitors	To encourage and recognise initiatives that facilitate cycling.	In total 8 bicycle spaces are to be provided for residents. This will provide a ratio of approximately 1 resident bicycle space

Bicycle Parking – Non- Residential & Non- Residential Visitors	To encourage and recognise initiatives that facilitate cycling.	In total 8 bicycle spaces are to be provided for employees. This represents a 50% increase over the planning scheme requirements.
End of Trip Facilities – Non- Residential	To minimise car dependency and to ensure that the built environment is designed to promote the use of public transport,	The development is provided with an end of trip facility including 1 shower and changing facilities.



Criteria		Development Provision
	walking and cycling.	
		Six charging point for electrical vehicles are integrated in the proposed development.
Electric Vehicle Infrastructure	To minimise car dependency and to ensure that the built environment is designed to promote the use of public transport, walking and cycling.	
		Location of electric charging points.
Car Share Scheme	To minimise car dependency and to ensure that the built environment is designed to promote the use of public transport, walking and cycling.	Nil.
Motorbikes / Mopeds	To minimise car dependency and to ensure that the built environment is designed to promote the use of public transport, walking and cycling.	The proposed development will incorporate min. 5 motorbike / moped spaces in the basement carpark. This represents ≥5% of the total carparking.



Materials

ESD objectives:

- Use of low embodied energy materials.
- Encourage use of recycled and reusable materials in building construction and undertake adaptive reuse of buildings, where practical.

Criteria		Development Provision
Embodied Energy	Limited use of high embodied energy metals and materials, especially in a design with intended high churn (e.g. retail)	The design will seek to limit the use of high embodied energy metal finishes. At least 40% of coarse aggregate in the concrete is crushed slag aggregate or other alternative materials (measured by mass across all concrete mixes in the project).
Structural and Reinforcing Steel	Commitment to source structural and reinforcing steel from a responsible steel maker	 The building's steel (by mass) is to be sourced from a Responsible Steel Maker with: a currently valid and certified ISO 14001 Environmental Management System (EMS) in place; and is a member of the World Steel Association's (WSA) Climate Action Programme (CAP)
Sustainable Timber	Commitment to source timber from sustainably managed source, with proof of audit trail.	Where timber is to be used, such timbers are to accord with the GBCA's 'Essential' criteria for forest certification. This may include FSC and / or PEFC Certification which are both internationally recognised schemes ensuring that timber is sourced from sustainable sources. Alternatively, recycled timber will be used.
PVC	Commitment to source best practice PVC products	 Permanent formwork, pipes, flooring, blinds and cables in the project will seek to comply with the following: Meet the GBCA's Best Practice Guidelines for PVC. or; The supplier holds a valid ISO140001 certification.
Sustainable Products	Commitment to source products that meet the transparency and sustainability requirements	The project will incorporate products that meet the transparency and sustainability requirements where deemed appropriate. This includes the following: reused products, recycled content products, environmental product declarations, third party certified and stewardship programs.



Waste Management

Council ESD objectives:

- To ensure waste avoidance, reuse and recycling during the design, construction and operation stages of development.
- To ensure long term reusability of building materials.
- To meet Councils' requirement that all multi-unit developments must provide a Waste Management Plan in accordance with the *Guide to Best Practice for Waste Management in Multi-unit Developments 2010*, published by Sustainability Victoria.

Criteria		Development Provision
Building Re-use	To ensure waste avoidance, reuse and recycling during the design.	At least 30% of the existing structure is re-used.
Construction and Demolition Waste	To reduce construction waste going to landfill	At least 80% of the waste generated during construction and demolition has been diverted from landfill.
Food & Garden Waste	To ensure waste avoidance, reuse and recycling during the operational life of the building.	Organic waste storage is provided in the basement bin storage area.

Council Best Practice Standard

o .	To ensure waste avoidance, reuse
Convenience of Recycling	avoidance, reuse and recycling during the operational life of the building.



Separate general, recycling and organic waste storage will be provided at the basement bin storage area.

Each tenancy is to be provided with separate general, recycling and food and organics waste bins. This requirement is to be included in the owners corporation rules or lease agreement.



Council Best Practice Standard

Criteria

Development Provision

Kitchen joinery for the residential units is to provide appropriate spatial allowance for food and organics, general and recycling waste collection.



Urban Ecology

Council ESD objectives:

- To protect and enhance biodiversity.
- To provide sustainable landscaping.
- To protect and manage all remnant indigenous plant communities.
- To encourage the planting of indigenous vegetation.

Criteria		Development Provision
Communal Space	To encourage and recognise initiatives that facilitate interaction between building occupants.	Nil.
Vegetation	To encourage and recognise the use of vegetation and landscaping within and around developments.	Planter boxes are to be located at ground floor POS, apt G01, G02, 101, 102, 201 and 301 terraces. The total area of vegetation is 3% of the site area.
Green Walls / Roof	To encourage the appropriate use of green roofs, walls and facades to mitigate the impact of the urban heat island effect.	Nil.
Private Open Space - Balcony / Courtyard Ecology	To encourage plants in a healthy ecological context to be grown on balconies and in courtyards.	All balconies or private open space have been provided with a tap and floor waste allowing residents to cultivate their own gardens.
Food	To encourage the	Nil.



Criteria		Development Provision
Production - Residential	production of fresh food on- site.	
Heat Island Effect	To reduce the contribution of the project site to the 'heat island effect	Roof are to have a three year SRI of minimum 60 Unshaded hard-scaping elements are to have a three year SRI of minimum 40.



Appendices

Appendix A: WSUD Response

Site layout Plan

The following architectural mark-up illustrates the rainwater collection and impervious areas of the proposed development site.



Figure 1 - Mark-up of water catchment and impervious areas

STORM Rating Report

A STORM rating of \geq 100% can be achieved by implementing the following initiatives:

• Rainwater collection off the new roof areas is to be directed into a 17,000 litre rainwater tank connected to all WC's and landscape irrigation.



Melbourne Water has developed the Stormwater Treatment Objective- Relative Measure (STORM) Calculator as a method of simplifying the analysis of stormwater treatment methods. The STORM Calculator displays the amount of treatment that is required to meet best practice targets, using WSUD treatment measures.

The best practice standards have been set out in the Urban Stormwater Best Practice Environmental Management Guidelines (Victoria Stormwater Committee, 1999) for reduction in total suspended solids (TSS), total phosphorus (TP) and total nitrogen (TN) loads.

The STORM Result is provided below:

0

PORT PHILLIP

PORT PHILLIP

146-152 Bridport St

TransactionID:

Municipality: Rainfall Station:

Address:



	Albert Park					
	VIC	3206				
Assessor:	GIW					
Development Type:	Residential - Mixe	d Use				
Allotment Site (m2):	972.00					
STORM Rating %:	100					
Description	Impervious Area (m2)	Treatment Type	Treatment Area/Volume (m2 or L)	Occupants / Number Of Bedrooms	Treatment %	Tank Water Supply Reliability (%)
Roof Areas	572.00	Rainwater Tank	17,000.00	30	170.00	82.00
Heritage Roof	188.00	None	0.00	0	0.00	0.00
GF - Impervious	135.00	None	0.00	0	0.00	0.00
Impervious - Planters	17.00	None	0.00	0	0.00	0.00
L2 Terraces	60.00	None	0.00	0	0.00	0.00



WSUD Strategy

The development will include the provision of a 17,000-litre rainwater tank and associated pump in the basement garage. The rainwater tank is to be connected to all WC's and landscape irrigation.



Ref: GIW22066 Revision H Document Set ID: 9088782 Version: 1, Version Date: 08/05/2025



Rainwater Reuse

Inputs

Catchment Area	572 sqm
Number of Occupants	29
Bin Washout	No
Irrigation Area	28 sqm
Tank Capacity	17,000 Litre

Rainwater Balance (Monthly Averages)

				Bin	
Month	Rainwater	Irrigation	WC	Washout	
	Harvested (L)	Demand (L)	Demand (L)	(L)	
Jan	12,560	4,332	17,980	0	
Feb	15,121	3,924	16,240	0	
Mar	14,286	2,013	17,980	0	
Apr	15,028	1,927	17,400	0	
May	14,650	1,989	17,980	0	
Jun	15,265	906	17,400	0	
Jul	12,313	923	17,980	0	
Aug	15,013	923	17,980	0	
Sep	15,930	2,649	17,400	0	
Oct	16,309	2,699	17,980	0	
Nov	20,041	2,632	17,400	0	
Dec	15,318	4,366	17,980	0	
Total	181,832	29,283	211,700	0	
Equivalent					
STORM		4		0	
tool					

Outputs

% Served by Rainwater	75.5%
% Harvested Rainwater Used	83.1%
Total Potable Water Saved	151,041 Litre

Tan	k Sizi	ng
	100% -	
	90% -	
sed	80% -	
er C	70% -	
Jwat	60% -	
Raiı	50% -	_/
sted	40% -	1
arve	30% -	
Н%	20% -	
	10% -	
	0% -	
		10,000 20,000 30,000 40,000

Supply-Demand



Ref: GIW22066 Revision H Document Set ID: 9088782 Version: 1, Version Date: 08/05/2025



Site Management Statement

Prevention of litter, sediments and pollution entering the stormwater system in the construction phase is to be addressed through introduction of the following initiatives:

- Buffer strips to pervert stormwater runoff.
- Gravel sausage filters at stormwater inlets to prevent silt, mud or any other site contaminant from entering the stormwater system.
- Silt fences under grates at surface entry inlets to prevent sediment from entering the stormwater system.
- Temporary rumble grids to vibrate mud and dirt off vehicles prior to leaving the site.
- The site is to be kept clean from any loose rubbish or rubble.
- Introduction of offsite construction for building elements where deemed appropriate.

The builder is to include these initiatives in the construction management plan and address these during site induction of relevant contractors.

Maintenance Program

The following maintenance requirements are to be programmed to ensure the rainwater tank operates effectively:

Item	Description	Maintenance
		Interval
Gutters and	Eave and box gutters are to be inspected and cleaned to	3 monthly
downpipes	prevent large debris from being washed into rainwater tank.	
First flush system (as	Inspect and clean excess sediment from diverter chamber	3 monthly
applicable)	to prevent blockages.	
Tank contents	Siphon the tank to inspect contents. If sludge is present, a	2 to 3 years
	plumber will be required to drain tank contents and clean	
	the tank.	
Tank structure	Inspect tank externally for leaks	Yearly
Pump system	Inspect pump wiring, plumbing and check for smooth	6 monthly
	operation.	
Plumbing	Plumbing and fixtures connected to the rainwater tank is to be inspected for leaks.	Yearly



Appendix B: Preliminary Part J1.5 Façade Calculator

GIW K environmental solutions

J1.5 Façade Calculator

Address Climate Zone Building Classificatio Level	146-150 Brid n Class 6 GF-L1	dport Street, / 6	Albert Par	rk	1		
	North	East	9	South	West	Internal	
Façade area (m2)		0.0	159.6	168.0) 144.9	0.0	
Number of Rows		12					
				Dimensions		Shadi	na (m)
				Difficitorio		Unuu	ng (m)
Window No.	Orientation	Heigh	t (m)	Width (m)	Area (m2)	P	H
Window No. L1	Orientation South	Heigh 2.3	t (m) 5	Width (m) 10	Area (m2) 25	P 0.3	H 2.5
Window No. L1 GF	Orientation South South	Heigh 2.5 3.6	t (m) 5 5	Width (m) 10 2.31	Area (m2) 25 8.316	P 0.3 5.9	H 2.5 2.85
Window No. L1 GF GF	Orientation South South South	Heigh 2.3 3.0 3.1	t (m) 5 6 2	Width (m) 10 2.31 8.82	Area (m2) 25 8.316 28.224	P 0.3 5.9 4.55	H 2.5 2.85 2.5
Window No. L1 GF GF GF	Orientation South South South West	Heigh 2.1 3.0 3.1 3.1	t (m) 5 6 2 2	Width (m) 10 2.31 8.82 0.76	Area (m2) 25 8.316 28.224 2.432	P 0.3 5.9 4.55 1.6	H 2.5 2.85 2.5 2.5
Window No. L1 GF GF GF GF	Orientation South South South West East	Heigh 2.1 3.1 3.1 3.1 3.1 3.1	t (m) 5 6 2 2 2	Width (m) 10 2.31 8.82 0.76 1.96	Area (m2) 25 8.316 28.224 2.432 6.272	P 0.3 5.9 4.55 1.6 1.6	H 2.5 2.85 2.5 2.5 2.5 2.5
Window No. L1 GF GF GF GF	Orientation South South South West East	Heigh 2.1 3.1 3.1 3.1 3.1 3.1	t (m) 5 6 2 2 2	Width (m) 10 2.31 8.82 0.76 1.96	Area (m2) 25 8.316 28.224 2.432 6.272 0	P 0.3 5.9 4.55 1.6 1.6	H 2.5 2.85 2.5 2.5 2.5 2.5
Window No. L1 GF GF GF GF	Orientation South South South West East	Heigh 2.0 3.0 3.1 3.1 3.1	t (m) 5 5 2 2 2	Width (m) 10 2.31 8.82 0.76 1.96	Area (m2) 25 8.316 28.224 2.432 6.272 0 0	P 0.3 5.9 4.55 1.6 1.6	H 2.5 2.85 2.5 2.5 2.5 2.5 2.5
Window No. L1 GF GF GF GF	Orientation South South South West East	Heigh 2.1 3.1 3.1 3.1 3.1	t (m) 5 6 2 2 2	Width (m) 10 2.31 8.82 0.76 1.96	Area (m2) 25 8.316 28.224 2.432 6.272 0 0 0 0	P 0.3 5.9 4.55 1.6 1.6	H 2.5 2.85 2.5 2.5 2.5 2.5
Window No. L1 GF GF GF GF	Orientation South South South West East	Heigh 2.1 3. 3.1 3.1 3.1	t (m) 5 6 2 2 2	Width (m) 10 2.31 8.82 0.76 1.96	Area (m2) 25 8.316 28.224 2.432 6.272 0 0 0 0 0 0 0	P 0.3 5.9 4.55 1.6 1.6	H 2.5 2.85 2.5 2.5 2.5 2.5

RESULTS				
			Min.	Wall R-
Method 1	U-Value	SHGC	value	S
North	7.5	50 C	.87	1.4
East	7.5	50 C).87	1.4
South	3.7	73 C).49	1
West	7.5	50 C).87	1.4
Internal	7.5	50		1.4

	U-Value	SHGC	
Method 2	7	.50	0.49



146-150 Bridport St, Albert Park

Sustainable Management Plan

Appendix C: Renewable Energy

Inputs Solar PV

Peak Wattage of System	5.2 kWp
Azimuth	0 degrees
Inclination	30 degrees

Outputs Solar PV

Electricity Produced per Year	7,496 kWh
No. Panels Required	13
Total Roof Area Required	34 sqm
Annual Carbon Savings	8,396 kg CO2

Economic Output

Cost of System	7,800 \$
Annual Savings	1,499 \$
Simple Payback	5 Years



Appendix E: BESS Assessment

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BESS Report

Built Environment Sustainability Scorecard

This BESS report outlines the sustainable design commitments of the proposed development at 146-150 Bridport St Albert Park Victoria 3206. The BESS report and accompanying documents and evidence are submitted in response to the requirement for a Sustainable Design Assessment or Sustainability Management Plan at Port Phillip City Council.

Note that where a Sustainability Management Plan is required, the BESS report must be accompanied by a report that further demonstrates the development's potential to achieve the relevant environmental performance outcomes and documents the means by which the performance outcomes can be achieved

Your BESS Score	Best practice Excellence	/
		59%
0% 10% 20%	30% 40% 50% 60% 70% 80% 90% 100%	
Project details		
Name Address Project no BESS Version	Copy of 146 Bridport St, Albert Park VIC 3206, Australia 146-150 Bridport St Albert Park Victoria 3206 E5F6286B-R5 BESS-7	
Site type Account	Mixed use development	in 1940 (
Application no. Site area Building floor area Date Software version	972 m ² 2,267 m ² 26 November 2024 2.0.1-B.572	
Performance by ca	ategory • This project • Maximum available	Project composition
Category Weigh	t Score Pass	
Management 5%	6 59% *	 Apartment Shop
Water 9%	6 50% v	
Energy 28%	6 55% ~	
Stormwater 14%	6 100% V	
IEQ 17%		
Wasto 6%	6 100% *	
Urban Ecology 6%	6 9%	
Innovation 9%	6 0% *	

The Built Environment Sustainability Scorecard is an initiative of the Council Alliance for a Sustainable Built Environment (CASBE).

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Buildings

Name	Height	Footprint	% of total footprint
Building 1	5	2,438 m ²	100%

Dwellings & Non Res Spaces

Dwellings	Dwellings				
Name	Quantity	Area	Building	% of total area	
Apartment					
101	1	303 m ²	Building 1	13%	
201	1	280 m ²	Building 1	12%	
301	1	251 m ²	Building 1	11%	
G01	1	260 m ²	Building 1	11%	
102	1	197 m ²	Building 1	8%	
G02	1	201 m ²	Building 1	8%	
302	1	159 m ²	Building 1	7%	
202	1	161 m ²	Building 1	7%	
Total	8	1,812 m ²	79%		

Non-Res Spaces

Name	Quantity	Area Building % of total area		% of total area
Shop				
F&B	1	455 m ²	Building 1	20%
Total	1	455 m ²	20%	

Supporting information

Floorplans & elevation notes

Credit	Requirement	Response	Status
Management 3.1	Annotation: Individual utility meters to be provided to all individual dwelling	s	-
Management 3.2	Annotation: Individual utility meters to be provided to all individual commercial tenancies		-
Management 3.3	Annotation: Sub-meters to be provided to all major common area services (list each)		-
Water 3.1	Annotation: Water efficient garden details		-
Energy 3.1	Carpark with natural ventilation or CO monitoring system		-
Energy 4.2	Location and size of solar photovoltaic system		-
Stormwater 1.1	Location of any stormwater management systems (rainwater tanks, raingardens, buffer strips)		-
IEQ 1.1	If using BESS daylight calculator, references to floorplans and elevations showing window sizes and sky angles.		-
IEQ 1.2	If using BESS daylight calculator, references to floorplans and elevations showing window sizes and sky angles.		-

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Credit	Requirement Response Status	
IEQ 1.3	If using BESS daylight calculator, references to floorplans and elevations - showing window sizes and sky angles.	
IEQ 1.5	Floor plans with compliant bedrooms marked -	
IEQ 2.1	Dwellings meeting the requirements for being 'naturally ventilated' -	
Transport 1.1	Location of residential bicycle parking spaces -	
Transport 1.4	Location of non-residential bicycle parking spaces -	
Transport 2.1	Location of electric vehicle charging infrastructure -	
Transport 2.3	Location of nominated motorbicycle parking spaces -	
Waste 2.1	Location of food and garden waste facilities -	
Waste 2.2	Location of recycling facilities -	
Urban Ecology 2.4	Location of taps and floor waste on balconies / courtyards -	

Supporting evidence

Credit	Requirement	Response	Status
Management 2.2	Preliminary NatHERS assessments		-
Management 2.3a	Section J glazing assessment		-
Energy 1.1	Energy Report showing calculations of reference case and pro buildings	oposed	-
Energy 3.1	Details of either the fully natural carpark ventilation or CO mor proposed	nitoring system	-
Energy 3.6	Average lighting power density and lighting type(s) to be used	1	-
Energy 3.7	Average lighting power density and lighting type(s) to be used	1	-
Energy 4.2	Specifications of the solar photovoltaic system(s)		-
Stormwater 1.1	STORM report or MUSIC model		-
IEQ 1.1	If using an alternative daylight modelling program, a short rep assumptions used and results achieved.	ort detailing	-
IEQ 1.2	If using an alternative daylight modelling program, a short rep assumptions used and results achieved.	ort detailing	-
IEQ 1.3	If using an alternative daylight modelling program, a short rep assumptions used and results achieved.	ort detailing	-
IEQ 1.4	A short report detailing assumptions used and results achieve	ed.	-
IEQ 1.5	A list of compliant bedrooms		-
IEQ 2.1	A list of naturally ventilated dwellings		-
Waste 1.1	Details regarding how the existing building is being reused on	n-site	-

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Credit summary

Management Overall contribution 4.5%

			59%	
1.1 Pre-A	pplication Meeting		0%	
2.2 Therm	nal Performance Modelling - Multi-Dwelling Residential		100%	
2.3 Therm	nal Performance Modelling - Non-Residential		50%	
3.1 Meter	ing - Residential		100%	
3.2 Meter	ing - Non-Residential		100%	
3.3 Meter	ing - Common Areas		100%	
4.1 Buildi	ng Users Guide		100%	

Water Overall contribution 9.0%

		Minimum required 50%	50%	✓ Pass
1.1 Potable Water L	Jse Reduction		40%	
3.1 Water Efficient L	andscaping		100%	
4.1 Building System	ns Water Use Reduction		N/A	Scoped Out
				N/A

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	Minimum required 50%	55%	✓ Pass
1.1 Thermal Performance Rating - Non-Residential		12%	
1.2 Thermal Performance Rating - Residential		16%	
2.1 Greenhouse Gas Emissions	1	00%	
2.2 Peak Demand		0%	
2.3 Electricity Consumption	1	00%	
2.4 Gas Consumption		N/A	Scoped Out
		No	o gas connection in us
2.6 Electrification	1	00%	
3.1 Carpark Ventilation	1	00%	
3.2 Hot Water		0%	
3.4 Clothes Drying		0%	
3.6 Internal Lighting - Apartments	1	00%	
3.7 Internal Lighting - Non-Residential	1	00%	
4.1 Combined Heat and Power (cogeneration / trigeneration)		N/A	Scoped Out
	No cogeneration o	r trige	neration system in use
4.2 Renewable Energy Systems - Solar		79%	
4.4 Renewable Energy Systems - Other		0%	Ø Disabled

Stormwater Overall contribution 13.5%

	Minimum required 100%	6 100%	✓ Pass
1.1 Stormwater Treatment		100%	

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IEQ Overall contribution 16.5%

	Minimum required 50%	72%	✓ Pass
1.1 Daylight Access - Living Areas		100%	
1.2 Daylight Access - Bedrooms		66%	
1.3 Winter Sunlight		100%	
1.4 Daylight Access - Non-Residential		33%	✓ Achieved
1.5 Daylight Access - Minimal Internal Bedrooms		100%	
2.1 Effective Natural Ventilation		66%	
2.3 Ventilation - Non-Residential		33%	✓ Achieved
3.4 Thermal comfort - Shading - Non-Residential		100%	
3.5 Thermal Comfort - Ceiling Fans - Non-Residential		0%	
4.1 Air Quality - Non-Residential		100%	

Transport Overall contribution 9.0%

	56%
1.1 Bicycle Parking - Residential	100%
1.2 Bicycle Parking - Residential Visitor	0%
1.3 Bicycle Parking - Convenience Residential	0%
1.4 Bicycle Parking - Non-Residential	100%
1.5 Bicycle Parking - Non-Residential Visitor	0%
1.6 End of Trip Facilities - Non-Residential	0%
2.1 Electric Vehicle Infrastructure	100%
2.2 Car Share Scheme	0%
2.3 Motorbikes / Mopeds	100%

Waste Overall contribution 5.5%

		 100%	
1.1	- Construction Waste - Building Re-Use	100%	
2.1	- Operational Waste - Food & Garden Waste	100%	
2.2	- Operational Waste - Convenience of Recycling	100%	

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Version: 1, Version Date: 08/05/2025

PORT PHILLIP PLANNING DEPARTMENT Date Received: 03/12/2024

Ur	rban Ecology Overall contribution 3.5%					
			9%			
	1.1 Communal Spaces		0%			
	2.1 Vegetation		0%			
	2.2 Green Roofs		0%			
	2.3 Green Walls and Facades		0%			
	2.4 Private Open Space - Balcony / Courtyard Ecology		100%			
	3.1 Food Production - Residential		0%			
	3.2 Food Production - Non-Residential		0%			

Innovation Overall contribution 9.0%

		0%	
1.1 Innovation		0%	

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Credit breakdown

Management Overall contribution 4.5%

59%

1.1 Pre-Application Meeting			0%		
Score Contribution	This credit contributes	s 37.5% to	wards the category score.		
Criteria	Has an ESD professio	nal been e	ngaged to provide sustainability advice from schematic		
	design to construction	n? AND Ha	is the ESD professional been involved in a pre-		
	application meeting w	ith Counci	1?		
Question	Criteria Achieved ?				
Project	No				
2.2 Thermal Performance Modelling - Multi	-Dwelling Residential		100%		
Score Contribution	This credit contributes	s 19% tow	ards the category score.		
Criteria	Have preliminary Nath	IERS ratin	gs been undertaken for all thermally unique dwellings?		
Question	Criteria Achieved ?				
Apartment	Yes				
2.3 Thermal Performance Modelling - Non-	Residential		50%		
Score Contribution	This credit contributes	s 5% towa	rds the category score.		
Criteria	Has a preliminary facade assessment been undertaken in accordance with NCC2019				
	Section J1.5?				
Question	Criteria Achieved ?				
Shop	Yes				
Criteria	Has preliminary mode	lling been	undertaken in accordance with either NCC2019		
	Section J (Energy Effic	ciency), NA	ABERS or Green Star?		
Question	Criteria Achieved ?				
Shop	No				
3.1 Metering - Residential			100%		
Score Contribution	This credit contributes	9% towa	rds the category score.		
Criteria	Have utility meters be	en provide	d for all individual dwellings?		
Question	Criteria Achieved ?				
Apartment	Yes				
3.2 Metering - Non-Residential			100%		
Score Contribution	This credit contributes	s 2.5% tov	vards the category score.		
Criteria	Have utility meters be	en provide	d for all individual commercial tenants?		
Question	Criteria Achieved ?				
Shop	Yes				
3.3 Metering - Common Areas			100%		

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BESS	S, Copy of 146 Bridport St, All ert Park VIC 3200 PORT PH	LLIP PLANNING DEPARTMENT Date Received: 03/12/2024				
	Score Contribution	This credit contributes 12.5% towards the category score.				
	Criteria	Have all major common area services been separately submetered?				
	Question	Criteria Achieved ?				
	Apartment	Yes				
	Shop	Yes				
	4.1 Building Users Guide	100%				
	Score Contribution	This credit contributes 12.5% towards the category score.				
	Criteria	Will a building users guide be produced and issued to occupants?				
	Question	Criteria Achieved ?				
	Project	Yes				

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Water Overall contribution 9.0 7

Minimum required 50%

50% 🗸 Pass

Water Annuach	
water Approach	
What approach do you want to use for Water?:	Use the built in calculation tools
Do you have a reticulated third pipe or an on-site water	No
recycling system?:	
Are you installing a swimming pool?:	No
Are you installing a rainwater tank?:	Yes
Fixtures, fittings & connections profile	
Showerhead:	
F&B	Scope out
G01	4 Star WELS (>= 6.0 but <= 7.5)
G02	
101	
102	
201	
202	
301	
Both:	
	Seene out
	Scope out
G02	Medium Sized Contemporary Bath
101	
102	
201	
202	
301	
302	
Kitchen Taps: All	>= 5 Star WELS rating
Bathroom Taps: All	>= 5 Star WELS rating
Dishwashers: All	>= 5 Star WELS rating
WC: All	>= 4 Star WELS rating
Urinals: All	Scope out
Washing Machine Water Efficiency:	
F&B	Scope out
G01	Occupant to Install
G02	
101	
102	
201	
301	
302	
Which non-potable water source is the dwelling/space	Tank 1
connected to?: All	

Non-potable water source connected to	loilets: All	Yes		
Non-potable water source connected to	aundry (washing	No		
machine): All	Lashary (wabiling			
Non-potable water source connected to I	Hot Water System: All	No		
Rainwater tank profile				
What is the total roof area connected to t	he rainwater tank?:	572 m²		
Tank 1				
Tank Size: Tank 1		17,000 Litres		
Irrigation area connected to tank: Tank 1		28.0 m ²		
Is connected irrigation area a water efficient	ent garden?: Tank 1	-		
Other external water demand connected	to tank?: Tank 1	-		
1.1 Potable Water Use Reduction			40%	
Score Contribution	This credit contributes	83.3% towards the ca	ategory score.	
Criteria	What is the reduction	in total potable water u	use due to efficient fi	xtures, appliances,
	rainwater use and recy	ycled water use? To ac	hieve points in this o	redit there must be
	>25% potable water r	eduction.		
Output	Reference			
Project	2618 kL			
Output	Proposed (excluding r	ainwater and recycled	water use)	
Project	2081 kL			
Output	Proposed (including ra	ainwater and recycled v	water use)	
Project	1759 kL			
Output	% Reduction in Potab	le Water Consumption		
Project	32 %			
Output	% of connected dema	and met by rainwater		
Project	99 %			
Output	How often does the ta	ank overflow?		
Project	Never / Rarely			
Output	Opportunity for addition	onal rainwater connecti	ion	
Project	807 kL			
3.1 Water Efficient Landscaping			100%	
Score Contribution	This credit contributes	16.7% towards the ca	ategory score.	
Criteria	Will water efficient lan	dscaping be installed?		
Question	Criteria Achieved ?			
Project	Yes			
4.1 Building Systems Water Use Reduction			N/A	Scoped Out

BESS	Copy	of	146	Bridr	ort	St	Δ
LOO,	OODY	01	1-10	Dilup	JUIL	οι,	~

Energy	Overall	contribution	27.5%	

Minimum required 50%

55% 🗸 Pass

Use the BESS Deem to Satisfy (DtS) method for Non-residen	tial No
spaces?:	
Dwellings Energy Approach	
What approach do you want to use for Dwellings?:	Use the built in calculation tools
Are you installing any solar photovoltaic (PV) system(s)?:	Yes
Are you installing any other renewable energy system(s)?:	No
Energy Supply:	All-electric
Dwelling Energy Profiles	
Building: All	Building 1
Below the floor is:	
G01	Ground or Carpark
G02	
101	Another Occupancy
102	
201	
202	
302	
Above the ceiling is:	
	Apother Occupancy
G02	Another Occupancy
101	
102	
201	
202	
301	Outside
302	
Exposed sides:	
G01	2
G02	
101	
102	
201	3
202	
302	
NatHERS Annual Energy Loads - Heat: All	63.6 MJ/sam
NatHERS Annual Energy Loads - Cool: All	18.0 MJ/sqm
NatHERS star rating: All	6.5
Type of Heating System: All	Reverse cycle space
Heating System Efficiency: All	3 Star
Type of Cooling System: All	Refrigerative space
Cooling System Efficiency: All	3 Stars

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Type of Hot Water System: All	Electric Storage
Is the hot water system shared by multiple dwellin	igs?: All Yes
Clothes Line: All	No drying facilities
Clothes Dryer: All	Occupant to Install
Non-residential buildings profile	
Heating, Cooling & Comfort Ventilation - Electricity Reference fabric & services:	y 1,000 kWh
Heating, Cooling & Comfort Ventilation - Electricity fabric and reference services:	y - proposed 1,000 kWh
Heating, Cooling & Comfort Ventilation - Electricity Proposed fabric & services:	y 1,000 kWh
Heating - Wood - reference fabric and services:	-
Heating - Wood - proposed fabric and reference s	ervices: -
Heating - Wood - proposed fabric and services:	-
Hot Water - Electricity - Reference:	0.0 kWh
Hot Water - Electricity - Proposed:	0.0 kWh
Lighting - Reference:	1,000 kWh
Lighting - Proposed:	1,000 kWh
Peak Thermal Cooling Load - Reference:	-
Peak Thermal Cooling Load - Proposed:	-
Solar Photovoltaic system profile	
System Size (lesser of inverter and panel capacity)): PV 1 5.2 kW peak
Orientation (which way is the system facing)?: PN	/ 1 North
Inclination (angle from horizontal): PV 1	10.0 Angle (degrees)
Which Building Class does this apply to?: PV 1	Apartment
1.1 Thermal Performance Rating - Non-Residential	12%
Score Contribution This cree	dit contributes 7.6% towards the category score.
Criteria What is	the % reduction in heating and cooling energy consumption against the
referenc	e case (NCC 2019 Section J)?
Output Total Im	provement
Shop 0 %	
1.2 Thermal Performance Rating - Residential	16%
Score Contribution This cree	dit contributes 22.6% towards the category score.
Criteria What is	the average NatHERS rating?
	NATHERS Bating (Weighted)
Apartment 6.5 Stars	S

Score Contribution	This credit contributes 9.4% towards the category score.
Criteria	What is the % reduction in annual greenhouse gas emissions against the benchma
Output	Reference Building with Reference Services (BCA only)
Apartment	109,038 kg CO2
Shop	205 kg CO2
Output	Proposed Building with Proposed Services (Actual Building)
Apartment	66,702 kg CO2
Shop	205 kg CO2
Output	% Reduction in GHG Emissions
Apartment	38 %
Shop	0 %
2.2 Peak Demand	0%
Score Contribution	This credit contributes 4.7% towards the category score.
Criteria	What is the % reduction in the instantaneous (peak-hour) demand against the
	benchmark?
Output	Peak Thermal Cooling Load - Baseline
Apartment	117 kW
Output	Peak Thermal Cooling Load - Proposed
Apartment	111 kW
Output	Peak Thermal Cooling Load - % Reduction
Apartment	5 %
2.3 Electricity Consumption	100%
Score Contribution	This credit contributes 9.4% towards the category score.
Criteria	What is the % reduction in annual electricity consumption against the benchmark?
Output	Reference
Apartment	106,900 kWh
Shop	201 kWh
Output	Proposed
Apartment	65,394 kWh
Shop	201 kWh
Output	Improvement
Apartment	38 %
Shop	0 %
2.4 Gas Consumption	N/A 💠 Scoped Out
	No gas connection in u
This credit was scoped out	No gas connection in use
2.6 Electrification	100%
Score Contribution	This credit contributes 9.4% towards the category score.
Criteria	Is the development all-electric?
Question	Criteria Achieved?

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3.1 Carpark Ventilation	100%
Score Contribution	This credit contributes 9.4% towards the category score.
Criteria	If you have an enclosed carpark, is it: (a) fully naturally ventilated (no mechanical
	ventilation system) or (b) 40 car spaces or less with Carbon Monoxide monitoring to
	control the operation and speed of the ventilation fans?
Question	Criteria Achieved ?
Project	Yes
3.2 Hot Water	0%
Score Contribution	This credit contributes 4.7% towards the category score.
Criteria	What is the % reduction in annual energy consumption (gas and electricity) of the hot
	water system against the benchmark?
Output	Reference
Apartment	136,923 MJ
Output	Proposed
Apartment	154,131 MJ
Output	Improvement
Apartment	-13 %
3.4 Clothes Drying	0%
Score Contribution	This credit contributes 3.8% towards the category score.
Criteria	What is the % reduction in annual energy consumption (gas and electricity) from a
	combination of clothes lines and efficient driers against the benchmark?
Output	Reference
Apartment	6,287 kWh
Output	Proposed
Apartment	6,287 kWh
Output	Improvement
Apartment	0 %
3.6 Internal Lighting - Apartments	100%
Score Contribution	This credit contributes 7.5% towards the category score.
Criteria	Is the maximum illumination power density (W/m2) in at least 90% of the relevant
	building class at least 20% lower than required by Table J6.2a of the NCC 2019 Vol 1
	(Class 2-9)?
Question	Criteria Achieved ?
Apartment	Yes
3.7 Internal Lighting - Non-Residential	100%
Score Contribution	This credit contributes 1.9% towards the category score.
Criteria	Does the maximum illumination power density (W/m2) in at least 90% of the area of th
	relevant building class meet the requirements in Table J6.2a of the NCC 2019 Vol 1?
Question	Criteria Achieved ?
Shop	Yes

4.1 Combined Heat and Power (cogen	eration / trigeneration)		N/A 💠 Scoped Out
4.1 Combined heat and 1 ower (cogen			
		No cogen	eration or trigeneration system in use.
This credit was scoped out	No cogeneration or trigener	ation system in use.	
4.2 Renewable Energy Systems - Sola	r		79%
Score Contribution	This credit contributes 4.7%	towards the category s	score.
Criteria	What % of the estimated er	ergy consumption of the	e building class it supplies does th
	solar power system provide	?	
Output	Solar Power - Energy Gene	ation per year	
Apartment	6,302 kWh		
Output	% of Building's Energy		
Apartment	9 %		
4.4 Renewable Energy Systems - Othe	r		0% Ø Disabled
		No other (non	n-solar PV) renewable energy is in use.
This credit is disabled	No other (non-solar PV) ren	ewable energy is in use.	
rmwater Overall contribution 13.5%			
	Minir	num required 100%	100% 🗸 Pass
Which stormwater modelling are yo	u using?: Melb	ourne Water STORM to	ol
Which stormwater modelling are you 1.1 Stormwater Treatment	u using?: Melb	ourne Water STORM to	ol 100%
Which stormwater modelling are young the stormwater Treatment Score Contribution	u using?: Melb This credit contributes 1009	ourne Water STORM too 6 towards the category	ol 100% score.
Which stormwater modelling are your 1.1 Stormwater Treatment Score Contribution Criteria	u using?: Melb This credit contributes 1009 Has best practice stormwat	ourne Water STORM too 6 towards the category er management been de	ol 100% score. emonstrated?
Which stormwater modelling are your 1.1 Stormwater Treatment Score Contribution Criteria Question	u using?: Melb This credit contributes 1009 Has best practice stormwat STORM score achieved	ourne Water STORM too 6 towards the category er management been de	ol 100% score. emonstrated?
Which stormwater modelling are your 1.1 Stormwater Treatment Score Contribution Criteria Question Project	u using?: Melb This credit contributes 1009 Has best practice stormwal STORM score achieved 100	ourne Water STORM too	ol 100% score. emonstrated?
Which stormwater modelling are yo 1.1 Stormwater Treatment Score Contribution Criteria Question Project Output	u using?: Melb This credit contributes 1009 Has best practice stormwat STORM score achieved 100 Min STORM Score	ourne Water STORM too	ol 100% score. emonstrated?

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IEQ Overall contribution 16.5%

Minimum required 50%

72% 🗸 Pass

Use the BESS Deemed to Satisfy (DtS) method for daylight to	No
Dwellings?:	
What approach do you want to use for daylight to Dwellings?:	Use the built in calculation tools
Room Designation:	
G.01 Living	Living
G.02 Living	
102 Living	
All other living areas	
G01 Bed 1	Bedroom
G01 Bed 2	
101 Guest Bed	
Quantity:	
G.01 Living	1
G.02 Living	
G01 Bed 2	
102 Living	
101 Guest Bed	
All other living areas	5
All other bedrooms	21
Auto-Pass:	
G.01 Living	No
G.02 Living	
G01 Bed 1	
G01 Bed 2	
102 Living	
101 Guest Bed	
All other living areas	Yes
All other bedrooms	
Room Floor Area:	
G.01 Living	62.5 m ²
G.02 Living	37.8 m ²
G01 Bed 1	14.9 m ²
G01 Bed 2	11.2 m ²
102 Living	50.2 m ²
101 Guest Bed	14.5 m²
All other living areas	-
All other bedrooms	

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		Bate Received, contribute
Vertical Angle:		
G.01 Living	30.0 Angle (degrees)	
G.02 Living		
GU1 Bed 1		
	20.0 Angle (degrees)	
102 Living	29.0 Angle (degrees)	
All other living group	55.0 Angle (degrees)	
All other bedrooms	-	
Horizontal Angle:		
G.01 Living	78.6 Angle (degrees)	
G.02 Living	70.4 Angle (degrees)	
G01 Bed 1	1.0 Angle (degrees)	
G01 Bed 2	4.0 Angle (degrees)	
102 Living	122 Angle (degrees)	
101 Guest Bed	105 Angle (degrees)	
All other living areas	-	
All other bedrooms		
Window Area:		
G.01 Living	15.9 m ²	
G.02 Living	11.4 m ²	
G01 Bed 1	3.0 m ²	
G01 Bed 2	6.9 m ²	
102 Living	15.4 m ²	
101 Guest Bed	2.9 m ²	
All other living areas	-	
All other bedrooms		
Window Orientation:		
G.01 Living G.02 Living	North	
G01 Bed 1	East	
G01 Bed 2		
102 Living		
101 Guest Bed		
All other living areas	-	
Glass Type		
G 01 Living	Clear Low-E Double (// T	0.73)
G.02 Living	Clear LOW-E Double (VLI	0.10)
G01 Bed 1		
G01 Bed 2		
102 Living		
101 Guest Bed		
All other living areas	-	
All other bedrooms		

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	Daylight Criteria Achieved?:				
	G.01 Living G.02 Living 102 Living 101 Guest Bed All other living areas All other bedrooms	Y	és		
	G01 Bed 1 G01 Bed 2	Ν	lo		
	1.1 Daylight Access - Living Areas			100%	
	Score Contribution	This credit contributes 1	9.6% towards the cate	gory score.	
	Criteria	What % of living areas a	achieve a daylight factor	greater than 1%	
	Output	Calculated percentage			
	Apartment	100 %			
	1.2 Daylight Access - Bedrooms			66%	
	Score Contribution	This credit contributes 1	9.6% towards the cates	gory score.	
	Criteria	What % of bedrooms ac	chieve a daylight factor	greater than 0.5%	
	Output	Calculated percentage			
	Apartment	91 %			
	1.3 Winter Sunlight			100%	
	Score Contribution	This credit contributes 6	5.5% towards the catego	ory score.	
	Criteria	Do 70% of dwellings rec	ceive at least 3 hours of	direct sunlight in	all Living areas
		between 9am and 3pm i	in mid-winter?		
	Question	Criteria Achieved ?			
	Apartment	Yes			
	1.4 Daylight Access - Non-Residential			33%	✓ Achieved
	Score Contribution	This credit contributes 9	9.9% towards the catego	ory score.	
	Criteria	What % of the nominate	ed floor area has at least	2% daylight fact	or?
	Question	Percentage Achieved?			
	Shop	33 %			
	1.5 Daylight Access - Minimal Internal Bed	drooms		100%	
	Score Contribution	This credit contributes 6	5.5% towards the catego	ory score.	
	Criteria	Do at least 90% of dwel	llings have an external w	vindow in all bedro	ooms?
	Question	Criteria Achieved ?			
	Apartment	Yes			
	2.1 Effective Natural Ventilation			66%	
	Score Contribution	This credit contributes 1	9.6% towards the cates	gory score.	
	Criteria	What % of dwellings are	e effectively naturally ver	ntilated?	
	Question	Percentage Achieved?			
	Apartment	75 %			
	2.3 Ventilation - Non-Residential			33%	 Achieved

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Score Contribution	This credit contributes 9.9% towards the category score.
Criteria	What % of the regular use areas are effectively naturally ventilated?
Question	Percentage Achieved?
Shop	-
Criteria	What increase in outdoor air is available to regular use areas compared to the minim
	required by AS 1668.2:2012?
Question	Percentage Achieved?
Shop	50 %
Criteria	What CO2 concentrations are the ventilation systems designed to achieve, to monito
	and to maintain?
Question	Value
Snop	-
3.4 Thermal comfort - Shading - Non-F	Residential 100%
Score Contribution	This credit contributes 4.9% towards the category score.
Annotation	Only glazing is to heritage façade - nil additional glazing proposed
Criteria	What percentage of east, north and west glazing to regular use areas is effectively
	shaded?
Question	Percentage Achieved?
Shop	100 %
3.5 Thermal Comfort - Ceiling Fans - N	Ion-Residential 0%
Score Contribution	This credit contributes 1.6% towards the category score.
Criteria	What percentage of regular use areas in tenancies have ceiling fans?
Question	Percentage Achieved?
Shop	0 %
4.1 Air Quality - Non-Residential	100%
Score Contribution	This credit contributes 1.6% towards the category score.
Criteria	Do all paints, sealants and adhesives meet the maximum total indoor pollutant
	emission limits?
Question	Criteria Achieved ?
Shop	Yes
	Dece all correct most the maximum total index really text emission limite?
Criteria	Does all carpet meet the maximum total indoor pollutant emission limits?
Criteria Question	Criteria Achieved ?

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	Criteria	Does all engineered wood meet the maximum total indoor pollutant emission limits?
	Question	Criteria Achieved ?
	Shop	Yes

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Transport	Overall	contributio	1 9.0 %
nansport	Overall	contributio	1 9.0 /0

56%

L EDICYCIE FARMING - DESIGENTIA			100%
			100 %
Score Contribution	This credit contributes 18.2% towards the category score.		
Criteria	How many secure and undercover bicycle spaces are there per dwelling for residents?		
Question	Bicycle Spaces Provided ?		
Apartment	8		
Output	Min Bicycle Spaces Requ	uired	
Apartment	8		
1.2 Bicycle Parking - Residential Visitor			0%
Score Contribution	This credit contributes 18.2% towards the category score.		
Criteria	How many secure bicycle spaces are there per 5 dwellings for visitors?		
Question	Visitor Bicycle Spaces Pr	rovided ?	
Apartment	0		
1.3 Bicycle Parking - Convenience Residen	tial		0%
Score Contribution	This credit contributes 9.	.1% towards the categ	gory score.
Criteria	Are bike parking facilities for residents located at ground or entry level?		
Question	Criteria Achieved ?		
Apartment	No		
1.4 Bicycle Parking - Non-Residential			100%
Score Contribution	This credit contributes 4.	.6% towards the categ	gory score.
Score Contribution Criteria	This credit contributes 4. Have the planning schem	6% towards the cateon ne requirements for en	gory score. nployee bicycle parking been exceeded
Score Contribution Criteria	This credit contributes 4. Have the planning schem by at least 50% (or a min	6% towards the cate ne requirements for en nimum of 2 where there	gory score. nployee bicycle parking been exceeded e is no planning scheme requirement)?
Score Contribution Criteria Question	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ?	6% towards the categories of t	ory score. nployee bicycle parking been exceeded e is no planning scheme requirement)?
Score Contribution Criteria Question Shop	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes	6% towards the cated ne requirements for en nimum of 2 where there	ory score. nployee bicycle parking been exceeded e is no planning scheme requirement)?
Score Contribution Criteria Question Shop Question	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided	6% towards the categone requirements for en nimum of 2 where there	ory score. nployee bicycle parking been exceeded e is no planning scheme requirement)?
Score Contribution Criteria Question Shop Question Shop	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8	6% towards the categories of the requirements for en nimum of 2 where there there are the second se	ory score. nployee bicycle parking been exceeded e is no planning scheme requirement)?
Score Contribution Criteria Question Shop Question Shop 1.5 Bicycle Parking - Non-Residential Visito	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 or	6% towards the categone requirements for en nimum of 2 where them 1 ?	gory score. nployee bicycle parking been exceeded e is no planning scheme requirement)?
Score Contribution Criteria Question Shop Question Shop 1.5 Bicycle Parking - Non-Residential Visito Score Contribution	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 or This credit contributes 2.	6% towards the categories requirements for en nimum of 2 where them 1 ?	ory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% 0% gory score.
Score Contribution Criteria Question Shop Uestion Shop 1.5 Bicycle Parking - Non-Residential Visito Score Contribution Criteria	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 or This credit contributes 2. Have the planning schem	6% towards the categories for en- ne requirements for en- nimum of 2 where them 1 ? 3% towards the categories for vis	jory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% gory score. sitor bicycle parking been exceeded by
Score Contribution Criteria Question Shop Question Shop 1.5 Bicycle Parking - Non-Residential Visite Score Contribution Criteria	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 or This credit contributes 2. Have the planning schem at least 50% (or a minimu	6% towards the categone requirements for en nimum of 2 where them 1 ? 	oory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% gory score. sitor bicycle parking been exceeded by n o planning scheme requirement)?
Score Contribution Criteria Question Shop Question Shop 1.5 Bicycle Parking - Non-Residential Visite Score Contribution Criteria Question	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 or This credit contributes 2. Have the planning schem at least 50% (or a minimu Criteria Achieved ?	6% towards the categone requirements for en nimum of 2 where there 1 ? 	oory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% 0% gory score. sitor bicycle parking been exceeded by no planning scheme requirement)?
Score Contribution Criteria Question Shop I.5 Bicycle Parking - Non-Residential Visite Score Contribution Criteria Question Shop	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 This credit contributes 2. Have the planning schem at least 50% (or a minimu Criteria Achieved ? No	6% towards the categories for en- ne requirements for en- nimum of 2 where them 1 ? 	oory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% 0% gory score. sitor bicycle parking been exceeded by no planning scheme requirement)?
Score Contribution Criteria Question Shop I.5 Bicycle Parking - Non-Residential Visite Score Contribution Criteria Question Shop Question Shop Question	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 This credit contributes 2. Have the planning schem at least 50% (or a minimu Criteria Achieved ? No Bicycle Spaces Provided	6% towards the categone requirements for enablements for enablements for enablements of 2 where there is 3% towards the categone requirements for vision of 1 where there is 1?	gory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% gory score. sitor bicycle parking been exceeded by no planning scheme requirement)?
Score Contribution Criteria Question Shop Question Shop 1.5 Bicycle Parking - Non-Residential Visite Score Contribution Criteria Question Shop Question Shop Question Shop Question Shop	This credit contributes 4. Have the planning schem by at least 50% (or a min Criteria Achieved ? Yes Bicycle Spaces Provided 8 or This credit contributes 2. Have the planning schem at least 50% (or a minimu Criteria Achieved ? No Bicycle Spaces Provided 0	6% towards the categories for en- nimum of 2 where them 1 ? 3% towards the categories for vis um of 1 where there is 1 ?	oory score. nployee bicycle parking been exceeded e is no planning scheme requirement)? 0% oov gory score. sitor bicycle parking been exceeded by no planning scheme requirement)?

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Score Contribution	This credit contributes 2.3% towards the category score.		
Criteria	Where adequate bicycle parking has been provided. Is there also: * 1 shower for the		
	first 5 employee bicycle spaces plus 1 to each 10 employee bicycles spaces thereafte		
	* changing facilities adjacent to showers, and * one secure locker per employee bicycl		
	space in the vicinity of the changing / shower facilities?		
Question	Number of showers provided ?		
Shop	1		
Question	Number of lockers provided ?		
Shop	-		
Output	Min Showers Required		
Shop	1		
Output	Min Lockers Required		
Shop	8		
2.1 Electric Vehicle Infrastructure	100%		
Score Contribution	This credit contributes 22.7% towards the category score.		
Criteria	Are facilities provided for the charging of electric vehicles?		
Question	Criteria Achieved ?		
Project	Yes		
2.2 Car Share Scheme	0%		
Score Contribution	This credit contributes 11.4% towards the category score. Has a formal car sharing scheme been integrated into the development?		
Criteria			
Question	Criteria Achieved ?		
Project	No		
2.3 Motorbikes / Mopeds	100%		
Score Contribution	This credit contributes 11.4% towards the category score.		
Criteria	iteria Are a minimum of 5% of vehicle parking spaces designed and labelled for motorbikes (must be at least 5 motorbike spaces)? iestion Criteria Achieved ? oject Yes		
Question			
Project			

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Waste Overall contribution 5.

100%

1.1 - Construction Waste - Building Re-Use	8		100%
Score Contribution	This credit contributes 33.3% towards the category score.		
Criteria	If the development is on a site that has been previously developed, has at least 30% of		
	the existing building been re-used?		
Annotation	Existing heritage façade to remain		
Question	Criteria Achieved ?		
Project	Yes		
2.1 - Operational Waste - Food & Garden Waste			100%
Score Contribution	This credit contributes	s 33.3% towards the category s	score.
Criteria	Are facilities provided for on-site management of food and garden waste?		
Question	Criteria Achieved ?		
Project	Yes		
2.2 - Operational Waste - Convenience of Recycling			100%
Score Contribution	This credit contributes	s 33.3% towards the category s	score.
Criteria	Are the recycling facilities at least as convenient for occupants as facilities for general		
	waste?		
Question	Criteria Achieved ?		
Droject	Voc		

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Urban Ecology Overall contribution 5.5%

9%

1.1 Communal Spaces			0%
Score Contribution	This credit contributes 11.4% towards the category score.		
Criteria	Is there at least the following amount of common space measured in square meters : *		
	$1m^2$ for each of the first 50 occupants * Additional $0.5m^2$ for each occupant between 51		
	and 250 * Additional 0.25m ² for each occupant above 251?		
Question	Common space provided		
Apartment	0.0 m ²		
Shop	0.0 m ²		
Output	Minimum Common Space Required		
Apartment	28 m ²		
Shop	45 m ²		
2.1 Vegetation			0%
Score Contribution	This credit contributes 45.5% towards the category score.		
Criteria	How much of the site is covered with vegetation, expressed as a percentage of the		
	total site area?		
Question	Percentage Achieved ?		
Project	3 %		
2.2 Green Roofs			
			0%
Score Contribution	This credit contributes 11.4	% towards the category s	0%
Score Contribution Criteria	This credit contributes 11.4 Does the development inco	% towards the category s	0% score.
Score Contribution Criteria Question	This credit contributes 11.4 Does the development inco Criteria Achieved ?	% towards the category s	0% score.
Score Contribution Criteria Question Project	This credit contributes 11.4 Does the development inco Criteria Achieved ? No	% towards the category s	0% score.
Score Contribution Criteria Question Project 2.3 Green Walls and Facades	This credit contributes 11.4 Does the development inco Criteria Achieved ? No	% towards the category s	0% score.
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4	% towards the category s rporate a green roof? % towards the category s	0% score. 0% score.
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr	0% score. 0% score. een façade?
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ?	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr	0% score. 0% score. een façade?
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr	0% score. 0% score. een façade?
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project 2.4 Private Open Space - Balcony / Courtyan	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No d Ecology	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr	0% score. 0% score. een façade?
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project 2.4 Private Open Space - Balcony / Courtyan Score Contribution	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No d Ecology This credit contributes 9.1%	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr	0% score. 0% score. een façade? 100% core.
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project 2.4 Private Open Space - Balcony / Courtyan Score Contribution Criteria	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No d Ecology This credit contributes 9.19 Is there a tap and floor was	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr 5 towards the category so 5 towards the category so te on every balcony and c	0% score. 0% score. een façade? 100% core. courtyard (including any roof
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project 2.4 Private Open Space - Balcony / Courtyan Score Contribution Criteria	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No d Ecology This credit contributes 9.19 Is there a tap and floor was terraces)?	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr 5 towards the category so 6 towards the category so te on every balcony and c	0% score. 0% score. een façade? 100% core. courtyard (including any roof
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project 2.4 Private Open Space - Balcony / Courtyan Score Contribution Criteria	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No d Ecology This credit contributes 9.19 Is there a tap and floor was terraces)? Criteria Achieved ?	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr 5 towards the category so 5 towards the category so te on every balcony and c	0% score. 0% score. een façade? 100% core. courtyard (including any roof
Score Contribution Criteria Question Project 2.3 Green Walls and Facades Score Contribution Criteria Question Project 2.4 Private Open Space - Balcony / Courtyan Score Contribution Criteria Question Apartment	This credit contributes 11.4 Does the development inco Criteria Achieved ? No This credit contributes 11.4 Does the development inco Criteria Achieved ? No d Ecology This credit contributes 9.19 Is there a tap and floor was terraces)? Criteria Achieved ? Yes	% towards the category s rporate a green roof? % towards the category s rporate a green wall or gr 5 towards the category so te on every balcony and c	0% score. 0% 0% score. een façade? 100% sore. sourtyard (including any roof

BES	S, Copy of 146 Bridport St, Albert Park VIC 320 PORT PH	6. Australia 146-150 Bridbon		Date Received: 03/12/2024	
	Score Contribution	This credit contributes 9.1% towards the category score. What area of space per resident is dedicated to food production? Food Production Area - Min Food Production Area			
	Criteria				
	Question				
	Apartment				
	Output				
	Apartment	8 m ²			
	3.2 Food Production - Non-Residential		0%		
	Score Contribution	This credit contributes 2.3% towards the category score. What area of space per occupant is dedicated to food production? Food Production Area - Min Food Production Area			
	Criteria				
	Question				
	Shop				
	Output				
	Shop	12 m²			
Inno	ovation Overall contribution 9.0%				

_				
	1.1 Innovation			0%
	Score Contribution	This credit contributes 100% towards the category score.		
	Criteria	What percentage of the Innovation points have been claimed (10 points maximum)?		

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