SUSTAINABLE MANAGEMENT PLAN





GIW22066 Revision J

Prepared for: Jacmax Boxhall Pty Ltd

22 April 2025

Prepared by:

GIW Environmental Solutions Pty Ltd 285 Lennox Street, Richmond Victoria 3121, Australia T +61 3 9044 5111 giw.com.au





Limitations

This Report has been prepared by GIW Environmental Solutions Pty Ltd for the sole use of Jacmax Boxhall Pty Ltd ("the Client"). This Report should only be presented in full and should not be used to support any objective other than those detailed within the Agreement. In particular, the Report does not contain sufficient information to enable it to be used for any use other than the project specific requirements for which the Report has been carried out.

Any reliance on this Report by a third party shall be entirely at such party's own risk. GIW Environmental Solutions Pty Ltd provides no warranty or guarantee to any third party, express or implied, as to the information and/or professional advice indicated in the Report, and accepts no liability for or in respect of any use or reliance upon the Report by a third party. Any publication of this Report must be in accordance with the Planning and Environment Act 1987 procedures under the Freedom of Information Act 1982. GIW will require formal notification by the Responsible Authority to use this Report for public access purposes. This Report is to be removed by the Responsible Authority from the public domain immediately following the public consultation period.

Copyright

The concepts and information contained in this Report are the property of GIW Environmental Solutions Pty Ltd. Use or copying of this Report in whole or in part without the written permission of GIW Environmental Solutions Pty Ltd constitutes an infringement of copyright. Information shall not be assigned to a third party without the prior consent of the author.

Ref: GIW22066 Revision J

1



Revision History

Revision Number	Date Issued	Author	Approved	Comments
A	25/10/2022	MS	IB	Draft
В	08/11/2022	MS	IB	Final
С	08/09/2023	MS	IB	For Endorsement
D	14/09/2023	MS	IB	For Endorsement
E	24/07/2024	MS	IB	For Endorsement
F	04/09/2024	MS	IB	For Endorsement
G	27/11/2024	MS	IB	For Endorsement
Н	28/11/2024	MS	IB	For Endorsement
I	17/04/2025	CDW	IB	For Endorsement
J	22/04/2025	CDW	IB	For VCAT

Prepared by: Project Consultant

V

Ciaran Davis-Wall Senior ESD Consultant B.BSc. (Building Science) Approved by: Project Team Leader

Ines Buskermolen Associate Director

B.Sc. (Science, Business and Innovation)

M.Sc. (Sustainable Development)



Contents

	Limitations	1
	Copyright	1
	Revision History	2
С	Contents	3
1.	. Introduction	4
	Project Information	4
	Statutory Requirements	5
	Built Environment Sustainability Scorecard (BESS)	5
	Responsibilities & Implementation	6
	Sources of Information	6
2.	. ESD Summary	7
3.	. BESS Performance	8
4.	ESD Assessment	9
	Management	9
	Water	10
	Energy	12
	Stormwater	16
	Indoor Environment Quality	17
	Transport	21
	Materials	23
	Waste Management	24
	Urban Ecology	26
Αŗ	ppendices	28
	Appendix A: WSUD Response	28
	Appendix B: Preliminary Part J1.5 Façade Calculator	33
	Appendix C: Renewable Energy	34
	Appendix D: BESS Assessment	35



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 10 apartments and 1 F&B tenancy constructed over 5 levels plus basement carpark and will consist of the following:

- 4 x 3 bedroom apartments
- 6 x 4 bedroom apartments
- 174m² 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.

Ref: GIW22066 Revision J



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	BESS
dwellings.	(SMP)	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.

Ref: GIW22066 Revision J 5



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 G; TP.0130 Rev G; TP.0200-TP.0202 Rev G; TP.0300-TP.0303 Rev G; TP.1000 Rev G; TP.1090-TP.1091 Rev G; TP.1100-TP.1103 Rev G; TP.1110 Rev G; TP.2100-TP.2103 Rev G; TP.2104 Rev G; TP.3000-TP.3003 Rev G; TP.5000-TP.5001 Rev G; TP.5004-TP.5005 Rev G; TP.8000-TP.8003 Rev G; TP.9000 Rev G.
- 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

Ref: GIW22066 Revision J 6



2. ESD Summary

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

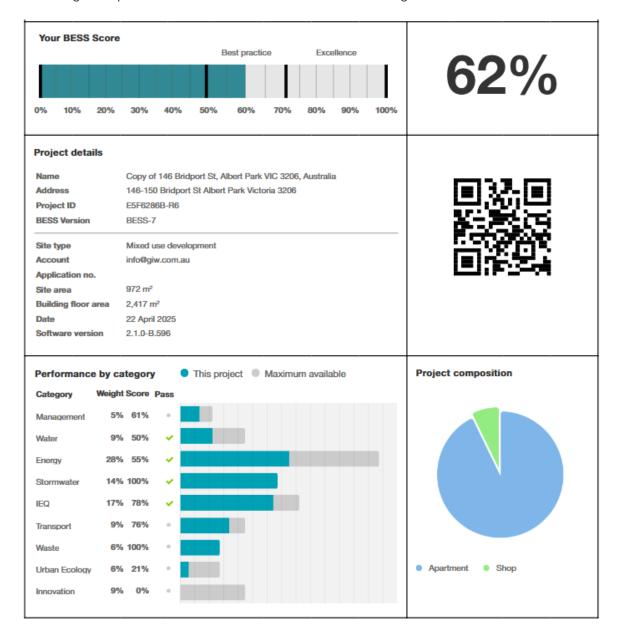
- 1. The project achieves a total BESS score of 62% with no mandatory category (IEQ, Energy, Water, Stormwater) below 50%.
- 2. 70% (7 out of 10) of the development's apartments are naturally cross-ventilated.
- 3. The in-built BESS daylight calculator has been utilised to demonstrate compliance under BESS IEQ 1.2 and 1.3.
- 4. The non-residential areas are targeting a 2% DF to 33% of the nominated area.
- 5. 70% (7 out of 10) 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 a centralised gas hot water system.
- 10. A 5.2kW Solar PV system is to be located on the roof of the proposed development.
- 11. Individual cold water, electricity and natural gas 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 penthouse roof and the heritage roof areas. This tank will be connected to all WC's and landscape irrigation.
- 14. A Melbourne STORM rating of 101% is achieved.
- 15. Landscape irrigation demand will be connected to the rainwater tank.
- 16. In total 12 bicycle spaces are to be provided. 10 for residents and 2 for commercial employees.
- 17. 2 bike parking spaces will be allocated to commercial visitors and 2 for residential visitors.

Ref: GIW22066 Revision J



3. BESS Performance

The project achieves a total BESS score of 62% 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.



Ref: GIW22066 Revision J



4. ESD Assessment

Management

Council ESD objectives:

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

Council Best Practice Standard

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.	Electricity, natural gas and cold water metering is to be provided to each individual apartment and commercia tenancy. Lighting and general power to common areas is to be separately metered to quantify energy used for common areas.	
Metering	To provide building users with information that allows monitoring of energy and water consumption		
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	

Ref: GIW22066 Revision J

Title of Walder Nevision of State of St



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

Council Best Practice Standard

Criteria	Development Provision				
		WELS 4 Star - Toilets	WELS 5 Star - Taps	WELS 4 Star - Showerhead	WELS 5 Star - Dishwasher
Potable Water Reduction	To reduce total potable water use due through the use of efficient fixtures,	The more start the more water efficient with reflicient for the start the more water efficient for the start the more water efficient for the start for the	The more state of dictive program Lecroe No. 001 A pint government and industry program Lecroe No. 001 The most of the continue with Standard APACES 6400 www.wwaterrating.gov.au	The more source of the first of the more worker afficient. VATER RATING. A just personner and after program James 140 miles. When Consumption. 7.5 Tone per minute: Wearner and still a final his in the personner and the per	The more stars the more water of the more water
Rainwater Collection &	appliances, and the use of rainwater.	A 17,000-litre rainwater tank will harvest rainwater from the penthouse roof and the heritage roof areas. This tank will be connected to all WC's and landscape irrigation. It is estimated that this will save more than 177.5kL of potable water every year and meet 58.3% of the demand in these areas.			
Reuse		Stormwater drainage mechanism is to be determined by the hydraulics services engineer at the design development phase.			
		Refer Appendix	A – WSUD Respo	onse	
Landscape Irrigation	To ensure the efficient use of water and to reduce total operating potable water use through encouraging water efficient landscape	Landscape irriga tank.	ation demand will	l be connected to	o the rainwater

Ref: GIW22066 Revision J

design.

11



Council Best Practice Standard

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 Construction Code (NCC) Class 2 – Sole Occupancy Unit(s) residential building component is to be designed in accordance with NCC Section J (2019) NatHERS requirements. The residential units must achieve an average 6.5 Star rating, with no unit achieving below 5 Stars.

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.

The apartments are currently achieving a 6.9 Star average. This represents > 10% reduction compared to minimum NCC compliance benchmarks. The below sample ratings demonstrate the developments ability to achieve this average.

Thermal
Performance
Rating Residential

To reduce energy needed to achieve thermal comfort in summer and winter - improving comfort, reducing greenhouse gas emissions, energy consumption, and maintenance costs.

			-		
Apartment No.	ACE Total MJ/M2	ACE Heating	ACE Cooling	ACE NCFA	Star Rating
G01	69.2	63.5	5.7	160.0	7.4
G02	87.5	82.5	5.0	176.0	6.8
101	55.1	27.3	27.8	195.6	7.9
102	66.3	50.8	15.5	192.9	7.6
201	67.7	41.3	26.4	187.5	7.4
202	96.8	78.0	18.8	185.6	6.5
301	91.3	62.1	29.2	167.4	6.7
302	97.3	74.0	23.3	185.6	6.5
401	124.0	94.1	29.9	256.0	5.7
Average	83.9	63.7	20.2	189.6	6.9

^{*}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

Ref: GIW22066 Revision J



Criteria		Development Provis	ion	
		•	sessed and may v assumptions are not eyond Town Planning a	•
		Element	Material	Insulation Value
		Floor (exposed above/below)	Suspended Concrete Slab	R1.75
		Roof (penthouse)	Suspended Concrete Slab	R2.75
		External Walls	Concrete/Brick	R1.8
		Internal Walls	Concrete	R1.8
		Internal Walls	Plasterboard	R2.5
		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
Thermal Performance Rating – Non- Residential	To reduce energy needed to achieve thermal comfort in summer and winter - improving comfort, reducing greenhouse gas emissions, energy	energy consumption	areas aim to reduce hea below the reference ca Preliminary Part J1.5 F	ase (BCA Section J

Ref: GIW22066 Revision J



Criteria		Development Provision
	consumption, and maintenance costs.	
Electrification	To support the transition to renewable energy sources.	Nil
HVAC System	To ensure the efficient use of energy and to reduce consumption of electricity.	Inverter split systems are to be installed and sized to maintain conditions of the habitable rooms of each apartment. The efficiency of the air conditioning system is to be within 1 star rating of best available under MEPS Post-October 2012 measurement standard. VRV / VRF systems with a COP of 3.4 are to be installed to the non-residential areas.
Hot Water System	To ensure the efficient use of energy and to reduce consumption and greenhouse emissions from water heating.	The development is to utilise a centralised gas hot water system. Boiler to achieve ≥90% efficiency or 7 Star rating.
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 carpark 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.

Ref: GIW22066 Revision J

14



Criteria		Development Provision
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/m²
Renewable Energy Systems - Solar	To encourage onsite renewable energy generation and reduce greenhouse emissions.	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. Refer To Esd Report Roof Location of the Solar PV System Refer Appendix C – Renewable Energy

Ref: GIW22066 Revision J



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

Council Best Practice Standard

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. A Melbourne STORM rating of 101% is achieved via the following: Rainwater collection off the penthouse roof and the heritage 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.

Ref: GIW22066 Revision J



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.

Council Best Practice Standard

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.	70% (7 out of 10) 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.	70% (7 out of 10) 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.

Ref: GIW22066 Revision J



Criteria

Development Provision



Typical natural cross-ventilated apartment

Ventilation – Non-Residential To provide fresh air and passive cooling opportunities.

Outdoor air rate for the commercial areas is to be 50% increased compared to AS 1668:2012.

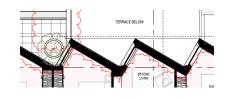
This is to be included in the mechanical design and specifications.

The development is provided with a comprehensive shading strategy:

Thermal Comfort To provide comfortable indoor spaces and reduce energy needed for heating and cooling.



North oriented windows for Units G02, G02, 101, 102, 202, 301 and 302 are shaded by the overhanging slab of the floor above.

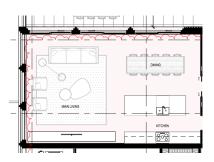


North, east and west bedroom windows at ground floor – level 3 are either shaded by the built form or recessed by 200mm.

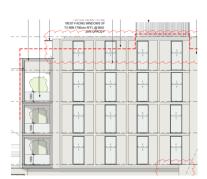


Criteria

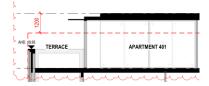
Development Provision



North and east oriented living area windows at level 1-3 are shaded by a 350mm deep overhang and 350mm deep vertical elements



South-west oriented windows are sized to limit solar heat gains during summer and heat loss during winter.



Unit 401 is shaded by a 960mm deep overhang along the North, East and Southern façade.

The development is provided with a comprehensive shading strategy:

Thermal Comfort – Non-Residential To provide comfortable indoor spaces and reduce energy needed for heating and cooling.



Heritage canopy is replaced to match existing.

None of the regular use areas of the commercial areas are provided with ceiling fans.



Criteria		Development Provision
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 pollutant emission limits.	All internally applied carpets are to have a low VOC content in line with Green Star Buildings V1 Credit 13.
	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.

Ref: GIW22066 Revision J



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.

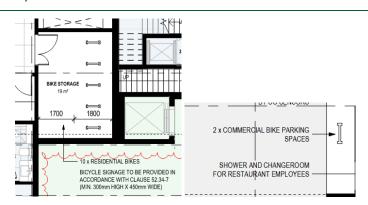
Council Best Practice Standard

Criteria

Development Provision

Bicycle Parking
- Residential &
Residential
Visitors

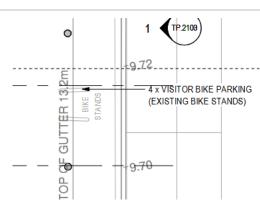
To encourage and recognise initiatives that facilitate cycling.



In total 12 bicycle spaces are to be provided. 10 for residents with a ratio of 1 resident bicycle spaces for every apartment. 2 parking spaces will be allocated to the commercial tenancy employees.

Bicycle Parking
- NonResidential &
NonResidential
Visitors

To encourage and recognise initiatives that facilitate cycling.



2 bike parking spaces will be allocated to commercial visitors and 2 for residential visitors.

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.

Ref: GIW22066 Revision J



Criteria		Development Provision
	walking and cycling.	
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.	Electrical vehicle charging points will be provided within each private garage. IN-BUILT EV CHARGING 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.	Nil

Ref: GIW22066 Revision J



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.

Council Best Practice Standard

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.

Ref: GIW22066 Revision J



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.

Council Best Practice Standard

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.		
Convenience of Recycling	To ensure waste 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. The 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.		

Ref: GIW22066 Revision J



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

Ref: GIW22066 Revision J



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.

Council Best Practice Standard

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, 103, 201 202, 301, 302 and 401 terraces. The total area of vegetation is 5.5% 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.

Ref: GIW22066 Revision J



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

Ref: GIW22066 Revision J



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.

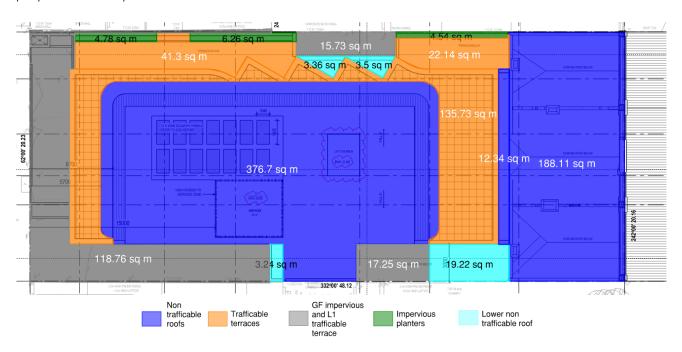


Figure 1 - Mark-up of water catchment and impervious areas

STORM Rating Report

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

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

Ref: GIW22066 Revision J



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:

Melbourne Water

STORM Rating Report

TransactionID: 0

Municipality: PORT PHILLIP
Rainfall Station: PORT PHILLIP
Address: 146-152 Bridport

Albert Park

VIC 3206

Assessor: GIW

Development Type: Residential - Mixed Use

Allotment Site (m2): 972.00 STORM Rating %: 101

Description	Impervious Area (m2)	Treatment Type	Treatment Area/Volume (m2 or L)	Occupants / Number Of Bedrooms	Treatment %	Tank Water Supply Reliability (%)
Non trafficable roofs	577.00	Rainwater Tank	17,000.00	40	170.00	82.00
Trafficable terraces	199.00	None	0.00	0	0.00	0.00
GF impervious and L1 trafficable terraces	152.00	None	0.00	0	0.00	0.00
Impervious planters	15.00	None	0.00	0	0.00	0.00
Lower non trafficable	29.00	None	0.00	0	0.00	0.00

Ref: GIW22066 Revision J



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.

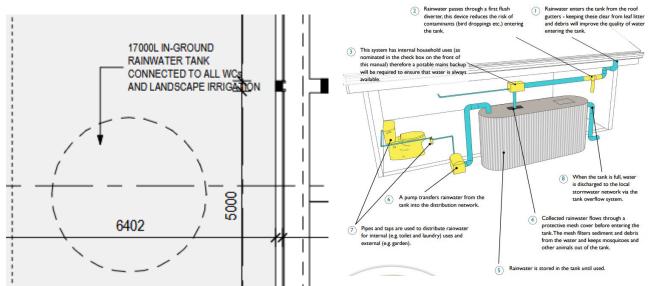


Figure 2 - Location Rainwater Tank

Figure 3 – Cross-section Tank (City of Port Phillip)

Ref: GIW22066 Revision J



Rainwater Reuse

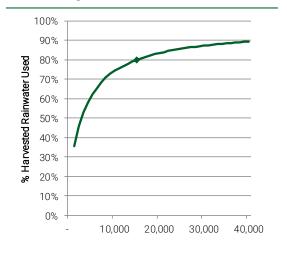
Inputs

Catchment Area	577 sqm
Number of Occupants	40
Bin Washout	No
Irrigation Area	46 sqm
Tank Capacity	17,000 Litre

Outputs

% Served by Rainwater	58.3%
% Harvested Rainwater Used	89.7%
Total Potable Water Saved	177,481 Litre

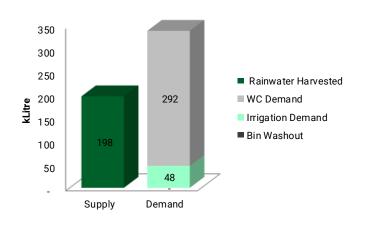
Tank Sizing



Rainwater Balance (Monthly Averages)

	•	-	- ,	
•			WC	Bin
Month	Rainwater	Irrigation	Demand	Washout
	Harvested (L)	Demand (L)	(L)	(L)
Jan	13,229	7,040	24,800	0
Feb	16,392	6,377	22,400	0
Mar	15,028	3,271	24,800	0
Apr	16,738	3,132	24,000	0
May	15,804	3,231	24,800	0
Jun	16,722	1,472	24,000	0
Jul	12,841	1,500	24,800	0
Aug	16,525	1,500	24,800	0
Sep	17,078	4,304	24,000	0
Oct	17,780	4,385	24,800	0
Nov	22,388	4,277	24,000	0
Dec	17,370	7,094	24,800	0
Total	197,895	47,585	292,000	0
Equivalent				
STORM		7		0
tool				

Supply-Demand



Ref: GIW22066 Revision J 31



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

Ref: GIW22066 Revision J 32



Appendix B: Preliminary Part J1.5 Façade Calculator



J1.5 Façade Calculator

Address	146-150 Bridport Street, Albert Park
Climate Zone	6
Building Classification	Class 6
Level	GF

	North	East	South	West	Internal
Façade area (m2)	9.3	14.0	45.2	58.6	0.0

Number of Rows 12

		Dimensions		Dimensions Shading (m)		ng (m)
Window No.	Orientation	Height (m)	Width (m)	Area (m2)	Р	Н
Glazed door	South	3.55	2.7	9.585	6.1	3.55
				0		
Window	South	2.54	4.6	11.684	4.67	2.54
Window	East	2.54	2.6	6.604	5.385	2.54
Window	West	2.54	2.8	7.112	5.385	2.54
				0		
				0		
				0		
				0		
				0		

RESULTS			
Method 1	U-Value	SHGC	Min. Wall R- values
North	7.50	0.87	1.4
East	3.13	0.79	1
South	3.13	0.48	1
West	7.50	0.87	1.4
Internal	7.50		1.4

	U-Value	SHGC	
Method 2		5.13	0.54

Ref: GIW22066 Revision J



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

Ref: GIW22066 Revision J 34





Appendix D: BESS Assessment

Ref: GIW22066 Revision J 35

BESS Report

Built Environment Sustainability Scorecard

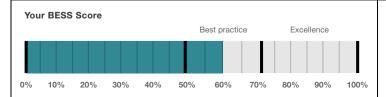






This BESS report outlines the sustainable design commitments of the proposed development at 146-150 Bridport St Albert Park Victoria 3206. The BESS report and accompanying documents and evidence are submitted in response to the requirement for a Sustainable Design Assessment or Sustainability Management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



62%

Project details

Name Copy of 146 Bridport St, Albert Park VIC 3206, Australia

Address 146-150 Bridport St Albert Park Victoria 3206

 Project ID
 E5F6286B-R6

 BESS Version
 BESS-7

Site type Mixed use development
Account info@giw.com.au

Application no.

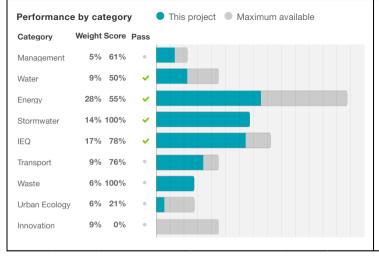
 Site area
 972 m²

 Building floor area
 2,417 m²

 Date
 22 April 2025

 Software version
 2.1.0-B.596







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

Buildings

Name	Height	Footprint	% of total footprint	
Building 1	4	2,601 m ²	100%	

Dwellings & Non Res Spaces

Dwellings

Name	Quantity	Area	Building	% of total area	
Apartment					
401	1	294 m²	Building 1	12%	
103	1	224 m²	Building 1	9%	
302	1	222 m²	Building 1	9%	
202	1	222 m²	Building 1	9%	
201	1	230 m²	Building 1	9%	
102	1	227 m²	Building 1	9%	
101	1	228 m²	Building 1	9%	
301	1	206 m ²	Building 1	8%	
G02	1	206 m²	Building 1	8%	
G01	1	184 m²	Building 1	7%	
Total	10	2,243 m ²	92%		

Non-Res Spaces

Name	Quantity	Area	Building	% of total area	
Shop					
F&B	1	174 m²	Building 1	7%	
Total	1	174 m²	7%		

Supporting Evidence

Shown on Floor Plans

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.		-

Credit	Requirement	Response	Status
IEQ 1.2	If using BESS daylight calculator, references to floorplans and elevations		_
	showing window sizes and sky angles.		
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 1.2	Location of residential visitor bicycle parking spaces		-
Transport 1.3	Residential bicycle parking spaces at ground level		-
Transport 1.4	Location of non-residential bicycle parking spaces		-
Transport 1.5	Location of non-residential visitor bicycle parking spaces		-
Transport 2.1	Location of electric vehicle charging infrastructure		-
Waste 2.1	Location of food and garden waste facilities		-
Waste 2.2	Location of recycling facilities		-
Urban Ecology 2.1	Location and size of vegetated areas		-
Urban Ecology 2.4	Location of taps and floor waste on balconies / courtyards		-

Supporting Documentation

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 proposed buildings		-
Energy 3.1	Details of either the fully natural carpark ventilation or CO monitoring system proposed		-
Energy 3.6	Average lighting power density and lighting type(s) to be used		-
Energy 3.7	Average lighting power density and lighting type(s) to be used		-
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 report detailing assumptions used and results achieved.		-
IEQ 1.2	If using an alternative daylight modelling program, a short report detailing assumptions used and results achieved.		-
IEQ 1.3	If using an alternative daylight modelling program, a short report detailing assumptions used and results achieved.		-
IEQ 1.4	A short report detailing assumptions used and results achieved.		-
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-site		-

Credit summary

Management Overall contribution 4.5%

	61%
1.1 Pre-Application Meeting	0%
2.2 Thermal Performance Modelling - Multi-Dwelling Residential	100%
2.3 Thermal Performance Modelling - Non-Residential	50%
3.1 Metering - Residential	100%
3.2 Metering - Non-Residential	100%
3.3 Metering - Common Areas	100%
4.1 Building Users Guide	100%

Water Overall contribution 9.0%

	Minimum required 50%	50%	✓ Pass
1.1 Potable Water Use Reduction		40%	
3.1 Water Efficient Landscaping		100%	
4.1 Building Systems Water Use Reduction		N/A	Scoped Out

Energy Overall contribution 27.5%

nergy Overall contribution 27.5%			
	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	100%		
2.2 Peak Demand	0%		
2.3 Electricity Consumption	100%		
2.4 Gas Consumption	92%		
2.6 Electrification	0% Ø Disabled		
Credit is available when the energy supply is set to all-electric (no gas or wood).			
3.1 Carpark Ventilation	100%		
3.2 Hot Water	92%		
3.4 Clothes Drying	0%		
3.6 Internal Lighting - Apartments	100%		
3.7 Internal Lighting - Non-Residential	100%		
4.1 Combined Heat and Power (cogeneration / trigeneration)	N/A 🌼 Scoped Out		
	No cogeneration or trigeneration system in	use.	
4.2 Renewable Energy Systems - Solar	92%		
4.4 Renewable Energy Systems - Other	0% Ø Disabled		
	No other (non-solar PV) renewable energy is in	use.	

Stormwater Overall contribution 13.5%

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

IEQ Overall contribution 16.5%

	Minimum required 50%	78%	✓ 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%

	76%
1.1 Bicycle Parking - Residential	100%
1.2 Bicycle Parking - Residential Visitor	100%
1.3 Bicycle Parking - Convenience Residential	100%
1.4 Bicycle Parking - Non-Residential	100%
1.5 Bicycle Parking - Non-Residential Visitor	100%
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	0%

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%

Urban Ecology Overall contribution 5.5%

	21%
1.1 Communal Spaces	0%
2.1 Vegetation	25%
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%	

Credit breakdown

gement Overall contribution 4.5	%	
		61%
1.1 Pre-Application Meeting		0%
Score Contribution	This credit contributes 37.5%	towards the category score.
Criteria	Has an ESD professional beer	engaged to provide sustainability advice from scher
	design to construction? AND I	Has the ESD professional been involved in a pre-
	application meeting with Cour	cil?
Question	Criteria Achieved ?	
Project	No	
2.2 Thermal Performance Modelling	g - Multi-Dwelling Residential	100%
Score Contribution	This credit contributes 23.2%	towards the category score.
Criteria	Have preliminary NatHERS rat	ings been undertaken for all thermally unique dwelling
Question	Criteria Achieved ?	
Apartment	Yes	
2.3 Thermal Performance Modelling	g - Non-Residential	50%
Score Contribution	This credit contributes 1.8% to	owards the category score.
Criteria	Has a preliminary facade asse	ssment been undertaken in accordance with NCC20
	Section J1.5?	
Question	Criteria Achieved ?	
Shop	Yes	
Criteria	Has preliminary modelling bee	n undertaken in accordance with either NCC2019
	Section J (Energy Efficiency), I	
Question	Criteria Achieved ?	
Shop	No	
3.1 Metering - Residential		100%
Score Contribution	This credit contributes 11.6%	towards the category score.
Criteria	Have utility meters been provi	ded for all individual dwellings?
Question	Criteria Achieved ?	
Apartment	Yes	
3.2 Metering - Non-Residential		100%
Score Contribution	This credit contributes 0.9% to	owards the category score.
Criteria	Have utility meters been provi	ded for all individual commercial tenants?
Question	Criteria Achieved ?	
Shop	Yes	

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

Document Set D. 9088787 et.au

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.	
Score Contribution Criteria	This credit contributes 12.5% towards the category score. Will a building users guide be produced and issued to occupants?	

Water Overall contribution 9.0%

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 recycling system?:	No
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	
302	
401	
103	
Bath:	
F&B	Scope out
G01	Medium Sized Contemporary Bath
G02	
101	
102	
201	
202	
301	
302	
401 103	
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

Minimum required 50%

50%

✓ Pass

Washing Machine Water Efficiency:		
F&B		Scope out
G01 G02 101 102 201 202 301 302		Occupant to Install
Which non-potable water source is the connected to?: All	dwelling/space	Tank 1
Non-potable water source connected	to Toilets: All	Yes
Non-potable water source connected machine): All		No
Non-potable water source connected	to Hot Water System: A	III No
Rainwater tank profile		
What is the total roof area connected to Tank 1	to the rainwater tank?:	575 m²
Tank Size: Tank 1		17,000 Litres
Irrigation area connected to tank: Tar	ık 1	46.0 m²
Is connected irrigation area a water eff	ficient garden?: Tank 1	No
 Other external water demand connect	ed to tank?: Tank 1	0.0 Litres/Day
1.1 Potable Water Use Reduction		40%
 1.1 Potable Water Ose neduction		4070
Score Contribution	This credit contribute	es 83.3% towards the category score.
	What is the reduction	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be
Score Contribution	What is the reduction rainwater use and re-	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be
Score Contribution Criteria	What is the reduction rainwater use and re->25% potable water	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be
Score Contribution Criteria Output	What is the reduction rainwater use and re >25% potable water Reference 2713 kL	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be
 Score Contribution Criteria Output Project	What is the reduction rainwater use and re >25% potable water Reference 2713 kL	es 83.3% towards the category score. n in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction.
Score Contribution Criteria Output Project Output	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL	es 83.3% towards the category score. n in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction.
Score Contribution Criteria Output Project Output Project	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use)
Score Contribution Criteria Output Project Output Project Output Output	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use)
Score Contribution Criteria Output Project Output Project Output Project Output Project	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 %	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use) Trainwater and recycled water use) Trainwater and recycled water use)
Score Contribution Criteria Output Project Output Project Output Project Output Project Output	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 % % of connected dem	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use)
Score Contribution Criteria Output Project	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 % % of connected dem 100 %	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use) Trainwater and recycled water use) The water Consumption The water Consumption
Score Contribution Criteria Output Project Output Project Output Project Output Project Output Project Output Project Output	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 % % of connected dem 100 % How often does the	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use) Trainwater and recycled water use) The water Consumption The water Consumption
Score Contribution Criteria Output Project	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 % % of connected dem 100 % How often does the football of the second secon	as 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. I rainwater and recycled water use) I rainwater and recycled water use) I ble Water Consumption I hand met by rainwater I tank overflow?
Score Contribution Criteria Output Project Output Output Project Output Output	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 % % of connected dem 100 % How often does the football of the Proposed for additional contents of the football	es 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. Trainwater and recycled water use) Trainwater and recycled water use) The water Consumption The water Consumption
Score Contribution Criteria Output Project	What is the reduction rainwater use and re >25% potable water Reference 2713 kL Proposed (excluding 2209 kL Proposed (including 1914 kL % Reduction in Pota 29 % % of connected dem 100 % How often does the football of the second secon	as 83.3% towards the category score. In in total potable water use due to efficient fixtures, appliances, cycled water use? To achieve points in this credit there must be reduction. I rainwater and recycled water use) I rainwater and recycled water use) I ble Water Consumption I hand met by rainwater I tank overflow?

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

BESS, Copy of 146 Bridport St. Albert Park VIC 3206, Australia 146-150 Bridport...

Score Contribution	This credit contributes 16.7% towards the category score.	
Criteria	Will water efficient landscaping be installed?	
Question	Criteria Achieved ?	
Project	Yes	
4.1 Building Systems Water Use Reduction	N/A 💠 Sco	oped Out
		N/A
This credit was scoped out	N/A	

Energy Overall contribution 27.5%

Energy over all contribution 27.0%	Minimum required 50% 55% ✓ Pass
	William required 50 /6 50 7 1 ass
Use the BESS Deem to Satisfy (DtS) method for Non-reside	ntial 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:	Electricity & Natural Gas
Are you installing a cogeneration or trigeneration system?:	No
Dwelling Energy Profiles	
Building: All	Building 1
Below the floor is:	
G01	Ground or Carpark
G02	
101	Another Occupancy
102	
201 202	
301	
302	
401	
103	
Above the ceiling is:	
G01	Another Occupancy
G02	
101	
102	
201 202	
301	Outside
302	Cultilad
401	
103	
Exposed sides:	
G01	2
G02	
101	
102	
201	3
202 301	
301	
103	
401	4
NatHERS Annual Energy Loads - Heat: All	63.7 MJ/sqm
	

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

Document Set 10: 9088787et.au

NatHERS Annual Energy Loads - Cool: All		20.2 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	
Type of Hot Water System: All		Gas Storage 7 star	
% Contribution from solar hot water system	n: All	0 %	
Is the hot water system shared by multiple	dwellings?: All	Yes	
Clothes Line: All		No drying facilities	
Clothes Dryer: All		Occupant to Install	
Non-residential buildings profile			
Heating, Cooling & Comfort Ventilation - Ele Reference fabric & services:	ectricity	1,000 kWh	
Heating, Cooling & Comfort Ventilation - Elefabric and reference services:	ectricity - proposed	1,000 kWh	
Heating, Cooling & Comfort Ventilation - Ele Proposed fabric & services:	ectricity	1,000 kWh	
Heating - Gas - Reference fabric and service	es:	0.0 MJ	
Heating - Gas - Proposed fabric and Refere	ence services:	0.0 MJ	
Heating - Gas - Proposed fabric and service	es:	0.0 MJ	
Heating - Wood - reference fabric and servi	ces:	-	
Heating - Wood - proposed fabric and refer	ence services:	-	
Heating - Wood - proposed fabric and servi	ices:	-	
Hot Water - Electricity - Reference:		0.0 kWh	
Hot Water - Electricity - Proposed:		0.0 kWh	
Hot Water - Gas - Baseline:		0.0 MJ	
Hot Water - Gas - Proposed:		0.0 MJ	
Lighting - Reference:		1,000 kWh	
Lighting - Proposed:		1,000 kWh	
Peak Thermal Cooling Load - Reference:		<u>-</u>	
Peak Thermal Cooling Load - Proposed:		<u>-</u>	
Solar Photovoltaic system profile			
System Size (lesser of inverter and panel ca	apacity): PV 1	5.2 kW peak	
Orientation (which way is the system facing) ?: PV 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-Reside	ntial	12%	
Score Contribution	his credit contribute	s 2.5% towards the category score.	
Criteria W	/hat is the % reducti	ion in heating and cooling energy consumption against the	
	eference case (NCC		
	otal Improvement	,	
<u>'</u>	%		

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

1.2 Thermal Performance Rating - Residential		16%	
Score Contribution	This credit contributes 24.1% tov	wards the category score.	
Criteria	What is the average NatHERS rate	ting?	
Output	Average NATHERS Rating (Weigh	nted)	
Apartment	6.5 Stars		
2.1 Greenhouse Gas Emissions		100%	
Score Contribution	This credit contributes 8.7% tow	ards the category score.	
Criteria	What is the % reduction in annua	al greenhouse gas emissions against the benchmark	
Output	Reference Building with Reference	ce Services (BCA only)	
Apartment	97,015 kg CO2		
Shop	73.4 kg CO2		
Output	Proposed Building with Proposed	d Services (Actual Building)	
Apartment	39,887 kg CO2		
Shop	73.4 kg CO2		
Output	% Reduction in GHG Emissions		
Apartment	58 %		
Shop	0 %		
2.2 Peak Demand		0%	
Score Contribution	This credit contributes 4.3% tow	ards the category score.	
Criteria	What is the % reduction in the in	stantaneous (peak-hour) demand against the	
	benchmark?	, ,	
Output	Peak Thermal Cooling Load - Ba	seline	
Apartment	148 kW		
Output	Peak Thermal Cooling Load - Pro	pposed	
Apartment	141 kW		
Output	Peak Thermal Cooling Load - %	Reduction	
Apartment	4 %		
2.3 Electricity Consumption		100%	
Score Contribution	This credit contributes 8.7% tow	ards the category score.	
Criteria	What is the % reduction in annua	al electricity consumption against the benchmark?	
Output	Reference		
Apartment	84,442 kWh		
Shop	72.0 kWh		
Output	Proposed		
Apartment	30,049 kWh		
Shop	72.0 kWh		
Output	Improvement		
Apartment	64 %		
Shop	0 %		

The Built Environment Sustainability Scorecard is an initiative of the Council Alliance for a Sustainable Built Environment (CASBE). Document Set 10:49088787et.au

Score Contribution	This credit contributes 8.7% tow	vards the category score.
Criteria	What is the % reduction in annua	al gas consumption against the benchmark?
Output	Reference	
Apartment	211,759 MJ	
Output	Proposed	
Apartment	179,713 MJ	
Output	Improvement	
Apartment	15 %	
2.6 Electrification		0% Ø Disabled
	Credit is available wh	nen the energy supply is set to all-electric (no gas or wood).
This credit is disabled	Credit is available when the ener	gy supply is set to all-electric (no gas or wood).
3.1 Carpark Ventilation		100%
Score Contribution	This credit contributes 8.7% tow	rards the category score.
Criteria	If you have an enclosed carpark,	is it: (a) fully naturally ventilated (no mechanical
	ventilation system) or (b) 40 car s	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		92%
Score Contribution	This credit contributes 4.3% tow	vards the category score.
Criteria	What is the % reduction in annua	al energy consumption (gas and electricity) of the hot
	water system against the benchr	mark?
Output	Reference	
Apartment	211,759 MJ	
Output	Proposed	
Apartment	185,517 MJ	
	100,011 1110	
Output	Improvement	
Output Apartment		
· · · · · · · · · · · · · · · · · · ·	Improvement	0%
Apartment	Improvement	***
Apartment 3.4 Clothes Drying	Improvement 12 % This credit contributes 4% toward	***
Apartment 3.4 Clothes Drying Score Contribution	Improvement 12 % This credit contributes 4% towar What is the % reduction in annua	rds the category score.
Apartment 3.4 Clothes Drying Score Contribution	Improvement 12 % This credit contributes 4% towar What is the % reduction in annua	rds the category score. al energy consumption (gas and electricity) from a
Apartment 3.4 Clothes Drying Score Contribution Criteria	Improvement 12 % This credit contributes 4% towar What is the % reduction in annual combination of clothes lines and	rds the category score. al energy consumption (gas and electricity) from a
Apartment 3.4 Clothes Drying Score Contribution Criteria Output	Improvement 12 % This credit contributes 4% towar What is the % reduction in annu- combination of clothes lines and Reference	rds the category score. al energy consumption (gas and electricity) from a
Apartment 3.4 Clothes Drying Score Contribution Criteria Output Apartment	Improvement 12 % This credit contributes 4% towar What is the % reduction in annual combination of clothes lines and Reference 7,888 kWh	rds the category score. al energy consumption (gas and electricity) from a
Apartment 3.4 Clothes Drying Score Contribution Criteria Output Apartment Output	Improvement 12 % This credit contributes 4% towar What is the % reduction in annual combination of clothes lines and Reference 7,888 kWh Proposed	rds the category score. al energy consumption (gas and electricity) from a
Apartment 3.4 Clothes Drying Score Contribution Criteria Output Apartment Output Apartment Apartment	Improvement 12 % This credit contributes 4% towar What is the % reduction in annu- combination of clothes lines and Reference 7,888 kWh Proposed 7,888 kWh	rds the category score. al energy consumption (gas and electricity) from a

Score Contribution	This credit contributes	8 8% towards the category score.
Criteria	Is the maximum illumin	nation 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	0.6% towards the category score.
Criteria	Does the maximum illu	umination 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 (cogenera	tion / trigeneration)	N/A 🂠 Scoped Out
		No cogeneration or trigeneration system in use.
This credit was scoped out	No cogeneration or tri	generation system in use.
4.2 Renewable Energy Systems - Solar		92%
4.2 Renewable Energy Systems - Solar Score Contribution	This credit contributes	92% 4.3% towards the category score.
		4.3% towards the category score.
Score Contribution		s 4.3% towards the category score. ted energy consumption of the building class it supplies does the
Score Contribution	What % of the estimat	s 4.3% towards the category score. ted energy consumption of the building class it supplies does the covide?
Score Contribution Criteria	What % of the estimat solar power system pr	s 4.3% towards the category score. ted energy consumption of the building class it supplies does the covide?
Score Contribution Criteria Output	What % of the estimat solar power system pr Solar Power - Energy	s 4.3% towards the category score. ted energy consumption of the building class it supplies does the sovide? Generation per year
Score Contribution Criteria Output Apartment	What % of the estimat solar power system pr Solar Power - Energy 6,302 kWh	s 4.3% towards the category score. ted energy consumption of the building class it supplies does the sovide? Generation per year
Score Contribution Criteria Output Apartment Output	What % of the estimat solar power system pr Solar Power - Energy 6,302 kWh % of Building's Energy	s 4.3% towards the category score. ted energy consumption of the building class it supplies does the rovide? Generation per year
Score Contribution Criteria Output Apartment Output Apartment	What % of the estimat solar power system pr Solar Power - Energy 6,302 kWh % of Building's Energy	s 4.3% towards the category score. ted energy consumption of the building class it supplies does the rovide? Generation per year

Stormwater Overall contribution 13.5%

		Minimum required 100%	100%	
Which stormwater modelling are	ou using?:	Melbourne Water STORM tool		
1.1 Stormwater Treatment			100%	
Score Contribution	This credit con	tributes 100% towards the category se	core.	
Criteria	Has best practi	ce stormwater management been der	monstrated?	
Question	STORM score	achieved		
Project	101			
Output	Min STORM So	core		
Project	100			

IEQ Overall contribution 16.5%

	Minimum required 50% 78% ✓ Pass
Use the BESS Deemed to Satisfy (DtS) method for daylight to Dwellings?:	No
What approach do you want to use for daylight to Dwellings?	Use the built in calculation tools
Room Designation:	
G.01 Living G.02 Living 102 Living 101 Living All other living areas	Living
G01 Bed 1 G01 Bed 2 All other bedrooms G01 Bed 3 101 Bed 1 101 Bed 2	Bedroom
Quantity:	
G.01 Living G.02 Living G01 Bed 1 G01 Bed 2 102 Living 101 Living G01 Bed 3 101 Bed 1 101 Bed 2	1
All other living areas	6
All other bedrooms	30
Auto-Pass:	
G.01 Living G.02 Living G01 Bed 1 G01 Bed 2 102 Living 101 Living G01 Bed 3 101 Bed 1 101 Bed 2	No
All other living areas All other bedrooms	Yes

S, Copy of 146 Bridport St, Albert Park VIC 3206, A	Australia 146-150 Bridport
Room Floor Area:	
G.01 Living 101 Living	65.0 m²
G.02 Living	63.0 m ²
G01 Bed 1	13.9 m²
G01 Bed 2	9.1 m²
102 Living	60.6 m ²
All other living areas All other bedrooms	0.0 m ²
G01 Bed 3	1.2 m ²
101 Bed 1	18.2 m²
101 Bed 2	12.4 m²
Vertical Angle:	
G.01 Living G.02 Living	36.2 Angle (degrees)
G01 Bed 1	72.7 Angle (degrees)
G01 Bed 2 G01 Bed 3	18.4 Angle (degrees)
102 Living 101 Living	24.0 Angle (degrees)
All other living areas All other bedrooms	0.0 Angle (degrees)
101 Bed 1 101 Bed 2	36.8 Angle (degrees)
Horizontal Angle:	
G.01 Living	77.8 Angle (degrees)
G.02 Living	76.7 Angle (degrees)
G01 Bed 1	2.0 Angle (degrees)
G01 Bed 2	1.0 Angle (degrees)
G01 Bed 3	
101 Bed 1	
101 Bed 2	
102 Living	131 Angle (degrees)
101 Living	112 Angle (degrees)
All other living areas All other bedrooms	0.0 Angle (degrees)

BESS,	Copy of 146 Bridport St, Albert Park VIC 3206, Australia 146-150 Bridpo	ort
	Window Area:	
	G.01 Living	16.1 m²
	G.02 Living	15.2 m²
	G01 Bed 1	5.0 m ²
	G01 Bed 2	8.3 m ²
	G01 Bed 3	
	102 Living	16.7 m ²
	101 Living	22.6 m ²
	All other living areas	0.0 m ²
	All other bedrooms	
	101 Bed 1	3.6 m ²
	101 Bed 2	8.0 m ²
	Window Orientation:	
	G.01 Living	North-West
	G.02 Living	
	102 Living 101 Living	
	G01 Bed 1	South-East
	G01 Bed 2	
	G01 Bed 3	
	101 Bed 1	
	101 Bed 2	
	All other living areas	-
H	All other bedrooms	
	Glass Type: G.01 Living	Clear Low-E Double (VLT 0.73)
	G.02 Living	Oleai Low-L Double (VLI 0.73)
	G01 Bed 1	
	G01 Bed 2	
	102 Living	
	101 Living G01 Bed 3	
	101 Bed 1	
	101 Bed 2	
	All other living areas	-
	All other bedrooms	
	Daylight Criteria Achieved?:	
	G.01 Living	Yes
	G.02 Living	
	102 Living 101 Living	
	All other living areas	
	All other bedrooms	
	G01 Bed 1	No
	G01 Bed 2	
	G01 Bed 3	
	101 Bed 1 101 Bed 2	
	101 DGU Z	

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

DLO	5, copy of 140 Bhaport St, Albert Park vio 321	305, Additula 140 100 Bhapota.
	1.1 Daylight Access - Living Areas	100%
	Score Contribution	This credit contributes 24.4% towards the category score.
	Criteria	What % of living areas achieve a daylight factor greater than 1%
	Output	Calculated percentage
	Apartment	100 %
	1.2 Daylight Access - Bedrooms	66%
	Score Contribution	This credit contributes 24.4% towards the category score.
	Criteria	What % of bedrooms achieve a daylight factor greater than 0.5%
	Output	Calculated percentage
	Apartment	85 %
	1.3 Winter Sunlight	100%
	Score Contribution	This credit contributes 8.1% towards the category score.
	Criteria	Do 70% of dwellings receive at least 3 hours of direct sunlight in all Living areas
		between 9am and 3pm in mid-winter?
	Question	Criteria Achieved ?
	Apartment	Yes
	1.4 Daylight Access - Non-Residential	33% ✓ Achieved
	Score Contribution	This credit contributes 3.8% towards the category score.
	Criteria	What % of the nominated floor area has at least 2% daylight factor?
	Question	Percentage Achieved?
	Shop	33 %
	1.5 Daylight Access - Minimal Internal Be	edrooms 100%
	Score Contribution	This credit contributes 8.1% towards the category score.
	Criteria	Do at least 90% of dwellings have an external window in all bedrooms?
	Question	Criteria Achieved ?
	Apartment	Yes
	2.1 Effective Natural Ventilation	66%
	Score Contribution	This credit contributes 24.4% towards the category score.
	Criteria	What % of dwellings are effectively naturally ventilated?
	Question	Percentage Achieved?
	Apartment	70 %
	2.3 Ventilation - Non-Residential	33% ✓ Achieved
	Score Contribution	This credit contributes 3.8% towards the category score.
	Criteria	What % of the regular use areas are effectively naturally ventilated?
	Question	Percentage Achieved?
	Shop	-

Criteria	What increase in outd	door air is available to regular use areas compared to the minimum
	required by AS 1668.2	2:2012?
Question	Percentage Achieved	?
Shop	50 %	
Criteria	What CO2 concentrat	tions are the ventilation systems designed to achieve, to monitor
	and to maintain?	
Question	Value	
Shop	-	
3.4 Thermal comfort - Shading - Non-Resid	lential	100%
Score Contribution	This credit contributes	s 1.9% towards the category score.
Annotation	Only glazing is to heri	tage façade - nil additional glazing proposed
Criteria	What percentage of e	east, north and west glazing to regular use areas is effectively
	shaded?	
Question	Percentage Achieved	?
Shop	100 %	
3.5 Thermal Comfort - Ceiling Fans - Non-F	Residential	0%
Score Contribution	This credit contributes	s 0.6% towards the category score.
Criteria	What percentage of re	egular use areas in tenancies have ceiling fans?
Question	Percentage Achieved	?
Shop	0 %	
4.1 Air Quality - Non-Residential		100%
Score Contribution	This credit contributes	s 0.6% towards the category score.
Criteria	Do all paints, sealants	s and adhesives meet the maximum total indoor pollutant
Criteria	Do all paints, sealants emission limits?	s and adhesives meet the maximum total indoor pollutant
Criteria		s and adhesives meet the maximum total indoor pollutant
	emission limits?	s and adhesives meet the maximum total indoor pollutant
Question	emission limits? Criteria Achieved ?	s and adhesives meet the maximum total indoor pollutant
Question	emission limits? Criteria Achieved ? Yes	s and adhesives meet the maximum total indoor pollutant the maximum total indoor pollutant emission limits?
Question Shop	emission limits? Criteria Achieved ? Yes	
Question Shop Criteria	emission limits? Criteria Achieved ? Yes Does all carpet meet to	
Question Shop Criteria Question	emission limits? Criteria Achieved? Yes Does all carpet meet to Criteria Achieved?	
Question Shop Criteria Question	emission limits? Criteria Achieved? Yes Does all carpet meet to Criteria Achieved? Yes	
Question Shop Criteria Question Shop	emission limits? Criteria Achieved? Yes Does all carpet meet to Criteria Achieved? Yes	the maximum total indoor pollutant emission limits?

Transport Overall contribution 9.0%

	76%
•	
1.1 Bicycle Parking - Residential	100%
Score Contribution	This credit contributes 20.8% towards the category score.
Criteria	How many secure and undercover bicycle spaces are there per dwelling for residents?
Question	Bicycle Spaces Provided ?
Apartment	10
Output	Min Bicycle Spaces Required
Apartment	10
1.2 Bicycle Parking - Residential Visitor	100%
Score Contribution	This credit contributes 20.8% towards the category score.
Criteria	How many secure bicycle spaces are there per 5 dwellings for visitors?
Question	Visitor Bicycle Spaces Provided ?
Apartment	2
Output	Min Visitor Bicycle Spaces Required
Apartment	2
1.3 Bicycle Parking - Convenience Residen	itial 100%
Score Contribution	This credit contributes 10.4% towards the category score.
Criteria	Are bike parking facilities for residents located at ground or entry level?
Question	Criteria Achieved ?
Apartment	Yes
1.4 Bicycle Parking - Non-Residential	100%
Score Contribution	This credit contributes 1.6% towards the category score.
Criteria	Have the planning scheme requirements for employee bicycle parking been exceeded
	by at least 50% (or a minimum of 2 where there is no planning scheme requirement)?
Question	Criteria Achieved ?
Shop	Yes
Question	Bicycle Spaces Provided ?
Shop	2
1.5 Bicycle Parking - Non-Residential Visito	or 100%
Score Contribution	This credit contributes 0.8% towards the category score.
Criteria	Have the planning scheme requirements for visitor bicycle parking been exceeded by
	at least 50% (or a minimum of 1 where there is no planning scheme requirement)?
Question	Criteria Achieved ?
Shop	Yes
Question	Bicycle Spaces Provided ?
Shop	2
1.6 End of Trip Facilities - Non-Residential	0%

Score Contribution	This availit contributes 0.00/ towards the cotonian con-
	This credit contributes 0.8% 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 thereafter,
	* changing facilities adjacent to showers, and * one secure locker per employee bicycle
	space in the vicinity of the changing / shower facilities?
Question	Number of showers provided ?
Shop	1
Question	Number of lockers provided ?
Shop	0
Output	Min Showers Required
Shop	1
Output	Min Lockers Required
Shop	2
2.1 Electric Vehicle Infrastructure	100%
Score Contribution	This credit contributes 22.4% 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 11.2% towards the category score.
Criteria	Has a formal car sharing scheme been integrated into the development?
Question	Criteria Achieved ?
Project	No
2.3 Motorbikes / Mopeds	0%
Score Contribution	This credit contributes 11.2% towards the category score.
Criteria	Are a minimum of 5% of vehicle parking spaces designed and labelled for motorbikes
	(must be at least 5 motorbike spaces)?
Question	Criteria Achieved ?

Waste Overall contribution 5.5%

1.1 - Construction Waste - Buildi	ng Re-Use		100%
Score Contribution	This credit contribute	s 33.3% towards the category	score.
Criteria	If the development is the existing building b	'	usly developed, has at least 30% of
Annotation	Existing heritage faça	ade to remain	
Question	Criteria Achieved ?		
Project	Yes		
2.1 - Operational Waste - Food &	Garden Waste		100%
Score Contribution	This credit contribute	s 33.3% towards the category	score.
Criteria	Are facilities provided	I for on-site management of foo	od and garden waste?
Question	Criteria Achieved ?		
Project	Yes		
2.2 - Operational Waste - Conver	nience of Recycling		100%
Score Contribution	This credit contribute	s 33.3% towards the category	score.
Criteria	Are the recycling facil waste?	lities at least as convenient for	occupants as facilities for general
Question	Criteria Achieved ?		
Project	Yes		

100%

Urban Ecology Overall contribution 5.5%

1.1 Communal Spaces				0%
Score Contribution	This credit contributes	11.2%	towards the category	score.
Criteria	Is there at least the fol	lowing	amount of common sp	ace measured in square meters :
	1m ² for each of the firs	st 50 oc	cupants * Additional 0.	.5m² for each occupant between 5
	and 250 * Additional 0	.25m² f	or each occupant abov	re 251?
Question	Common space provid	ded		
Apartment	0.0 m ²			
Shop	0.0 m ²			
Output	Minimum Common Sp	ace Re	quired	
Apartment	35 m²			
Shop	17 m²			
2.1 Vegetation				25%
Score Contribution	This credit contributes	44.8%	towards the category	score.
Criteria	How much of the site	is cove	red with vegetation, exp	pressed as a percentage of the
	total site area?			
Question	Percentage Achieved	?		
Project	5 %			
2.2 Green Roofs				0%
Score Contribution	This credit contributes	11.2%	towards the category	score.
Criteria	Does the development	t incorp	orate a green roof?	
Question	Criteria Achieved ?			
Project	No			
2.3 Green Walls and Facades				0%
Score Contribution	This credit contributes	11.2%	towards the category	score.
Criteria	Does the development	t incorp	orate a green wall or g	reen façade?
Question	Criteria Achieved ?			
Project	No			
2.4 Private Open Space - Balcony / Co	ourtyard Ecology			100%
Score Contribution	This credit contributes	10.4%	towards the category	score.
Criteria	Is there a tap and floor	r waste	on every balcony and	courtyard (including any roof
	terraces)?			
Question	Criteria Achieved ?			

21%

Score Contribution	This credit contributes 10.4% towards the category score.
Criteria	What area of space per resident is dedicated to food production?
Question	Food Production Area
Apartment	-
Output	Min Food Production Area
Apartment	9 m²
3.2 Food Production - Non-Residential	0%
3.2 Food Production - Non-Residential Score Contribution	This credit contributes 0.8% towards the category score.
Score Contribution	This credit contributes 0.8% towards the category score.
Score Contribution Criteria	This credit contributes 0.8% towards the category score. What area of space per occupant is dedicated to food production?
Score Contribution Criteria Question	This credit contributes 0.8% towards the category score. What area of space per occupant is dedicated to food production? Food Production Area

Innovation Overall contribution 9.0%

	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)?

Disclaimer

The Built Environment Sustainability Scorecard (BESS) has been provided for the purpose of information and communication. While we make every effort to ensure that material is accurate and up to date (except where denoted as 'archival'), this material does in no way constitute the provision of professional or specific advice. You should seek appropriate, independent, professional advice before acting on any of the areas covered by BESS.

The Municipal Association of Victoria (MAV) and CASBE (Council Alliance for a Sustainable Built Environment) member councils do not guarantee, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of BESS, any material contained on this website or any linked sites