
TSA
Level 2, 26 Honeysuckle Drive
Newcastle NSW 2300

STEENSEN VARMING

Att. [REDACTED]

Tweed Valley Hospital

Sydney, 12th August 2024
Ref. No. 177167 CAN S01

HI ESD Framework Compliance Statement (ESD Peer Review)

Steensen Varming has been engaged to undertake the independent ESD peer review role in accordance with the DGN 058. The HI minimum targets have been embedded within ESD Evaluation Tool and is designed to align with the NSW Government Resource Efficiency Policy (GREP) v2 section E4. It is deemed that the DPIE's ESD requirements for SSD is satisfied through compliance with DGN 058. Therefore, this also complies with the ESD certification requirement included in condition 27 (energy efficiency) and condition E10 (Ecologically Sustainable Development) of SSD 10353.

I confirm that Lendlease Building (head contractor) and LCI (Contractor' ESD Consultant) have maintained regular contact with our team during Design Development (Part 4) through to Post Occupancy Evaluation (Part 9), including submission of relevant ESD documentation for our review.

Based on the As-Built Package 1-3 evidence received to date and the review processes that have been undertaken, I confirm that the project complies with the ESD requirement to achieve a 4 Star (at least 45 points) equivalency in accordance with the HI ESD Evaluation Tool. In addition, the energy report (provided by LCI) has demonstrated 3% and 37% improvement over the NCC requirements respectively for the building fabric and services.

Therefore, the ESD certification of the ESD and energy efficiency (Conditions 10 and 27 of SSD 10353) requirement has been satisfied through the compliance with DGN 058.

Category	Points Awarded
Management	12
Indoor Environment Quality	11
Energy	7.6
Transport	1
Water	3.2
Materials	8.5
Land Use & Ecology	3.8
Emissions	2
Innovation	5
Total	48
4 Star Threshold	45

The As-Built scorecard has been enclosed for information.

Kind regards,

[REDACTED]

[REDACTED]
Associate Director

Total	22	8.46
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8.45	0
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Transport				
Sustainable Transport	A. Performance Pathway	17A.1 Performance Pathway	10	
		17B.1 Access by Public Transport	-	
		17B.2 Reduced Car Parking Provision	-	
		17B.3 Low Emission Vehicle Infrastructure	-	
		17B.4 Active Transport Facilities	-	
		17B.5 Walkable Neighbourhoods	-	
		17C.1 Access by Public Transport	-	
		17C.2 Reduced Car Parking Provision	-	
		17C.3 Low Emission Vehicle Infrastructure	-	
		17C.4 Active Transport Facilities	-	
		17C.5 Proximity to Amenities	-	
		Total	10	0

		Not targeted
0	0	

Water				
Potable Water	A. Performance Pathway	18A.1 Potable Water - Performance Pathway	12	3.7
		18B.1 Sanitary Fixture Efficiency	-	
		18B.2 Rainwater Reuse	-	
		18B.3 Heat Rejection	-	
		18B.4 Landscape Irrigation	-	
		18B.5 Fire System Test Water	-	
Total	12	3.7		

3.7	Awarded - Compliant	Submitted in As Built Round 1 submission package
3.7	0	

Materials				
Life Cycle Impacts	B. Prescriptive Pathway - Life Cycle Impacts	19A.1 Comparative Life Cycle Assessment	-	
		19A.2 Additional Life Cycle Impact Reporting	-	
		19B.1 Concrete	3	3
		19B.2 Steel	1	
		19B.3 Building Reuse	4	
		19B.4 Structural Timber	3	
		19C.1 Concrete	-	
		19C.2 Steel	-	
		19C.3 Building Reuse	-	
		19C.4 Structural Timber	-	
Responsible Building Materials	To reward projects that include materials that are responsibly sourced or have a sustainable supply chain.	20.1 Structural and Reinforcing Steel	1	1
		20.2 Timber Products	1	1
		20.3 Permanent Formwork, Pipes, Flooring, Blinds and Cabins	1	1
Sustainable Products	To encourage sustainability and transparency in product specification.	21.1 Product Transparency and Sustainability	3	1
Construction and Demolition Waste	A. Fixed Benchmark	22A Fixed Benchmark	1	1
		22B Recyclable Benchmark		
Total	12	8		

3	Awarded - Compliant	Submitted in As Built Round 1 submission package
		Not targeted
		Not targeted
		Not targeted
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
6	0	

Land Use & Ecology				
Ecological Value	To reward projects that improve the ecological value of their site.	23.0 Endangered, Threatened or Vulnerable Species	-	Complies
		23.1 Ecological Value	3	1.6
Sustainable Sites	To reward projects that choose to develop sites that have limited ecological value, re-use previously developed land and remediate contaminate land.	24.0 Conditional Requirement	-	Complies
		24.1 Reuse of Land	1	
Heat Island Effect	To encourage and recognise projects that reduce the contribution of the project site to the heat island effect.	24.2 Contamination and Hazardous Materials	1	1
		25.0 Heat Island Effect Reduction	1	0.98
Total		6	3.78	

Complies	Awarded - Compliant	Previously submitted in Submission Package 1. SV Approved
1.6	Awarded - Compliant	Submitted in As Built Round 1 submission package
		Previously submitted in Submission Package 1. SV Approved
		Not targeted
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
0.98	Not Awarded - Major non-compliance	Submitted in As Built Round 1 submission package. Note partial points proposed to be claimed
2.8	0.98	

Emissions				
Stormwater	To reward projects that minimise peak stormwater flows and reduce pollutants entering public sewer infrastructure.	26.1 Stormwater Peak Discharge	1	1
		26.2 Stormwater Pollution Targets	1	1
Light Pollution	To reward projects that minimise light pollution.	27.0 Light Pollution to Neighbouring Bodies	-	Complies
		27.1 Light Pollution to Night Sky	1	1
Microbial Control	To recognise projects that implement systems to minimise the impacts associated with harmful microbes in building systems.	28.0 Legionella Impacts from Cooling Systems	1	
Refrigerant Impacts	To encourage operational practices that minimise the environmental impacts of refrigeration equipment.	29.0 Refrigerant Impacts	1	
Total		6	3	

1	Awarded - Compliant	Submitted in As Built Round 1 submission package
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
Complies	Awarded - Compliant	Submitted in As Built Round 1 submission package
1	Awarded - Compliant	Submitted in As Built Round 1 submission package
		Not targeted
		Not targeted
3	0	

Innovation			
Innovative Technology or Process	The project meets the aims of an existing credit using a technology or process that is considered innovative in Australia or the world.	30A Innovative Technology or Process	4
Market Transformation	The project has undertaken a sustainability initiative that substantially contributes to the broader market transformation towards sustainable development in Australia or in the world.	30B Market Transformation	
Improving on Green Star Benchmarks	The project has achieved full points in a Green Star credit and demonstrates a substantial improvement on the benchmark required to achieve full points.	30C Improving on Green Star Benchmarks	10
			1

4	Not Awarded - Major non-compliance	1 point - 30A Microbial Control 2 points - 30A Onsite Renewable Energy - 30A Process Cooling
		Not targeted
1	Awarded - Compliant	1 point - 30C Stormwater (Column B)

Innovation Challenge	Where the project addresses a sustainability issue not included within any of the Credits in the existing Green Star rating tools.	30D	Innovation Challenge		3
Global Sustainability	Project teams may adopt an approved credit from a Global Green Building Rating tool that addresses a sustainability issue that is currently outside the scope of this Green Star	30E	Global Sustainability		1
Total				10	9

3	Awarded - Compliant	1 point - 30D Reconciliation Action Plan 1 point - 30D Financial Transparency 1 point - 30D Incorporation of Indigenous Design
		1 point - 30E Design for Robustness (BREEAM)
4	4	

TOTAL	TARGETED
CORE POINTS	45.9
INNOVATION POINTS	8.0
NA / SCALED POINTS	0.0
POINTS AVAILABLE	100.0
PROJECT SCORE	54.9

AWARDED	TBC
44.0	2.0
4.0	4.0
0.0	0.0
100.0	
48.0	6.0