

## Green Star Education Rating Tool v1 Tracking Sheet

Date : 20-Sep-13

Rev: 3

	Credit under review
	Credit issued to JHG for review and comment

Credit No.	Title	Points Available	Abercrombie Target	Option OR Credit to be Confirmed	% Complete	Party	Comments and Items to be Confirmed	Proposed Documents to be Provided to UOS
Management	Man-1	Green Star Accredited Professional	2	2		SFD	Surface Design involvement	Short report & scope
	Man-2	Commissioning - Clauses	2	2		Services	Services specification details issued to JHG for inclusion in contracts	Services Specifications with summary sheet
	Man-3	Building Tuning	1	1		Services & JHG	Services specification details issued to JHG for inclusion in contracts	Building Tuning Contracts
	Man-4	Independent Commissioning Agent	1	1		UOS & JHG	JHG to confirm if UOS have appointed this party OR who JHG are proposing to appoint	Contract
	Man-5	Building Guides	2	2		SFD	Guides to be drafted	BUG and BMG
	Man-6	Environmental Management	2	2	50%	JHG	JH to execute letter and update EMP; JH to advise on demo contractor. Draft credit issued to JH for review and comment	Credit details
	Man-7	Waste Management	2	2	50%	JHG	JH to execute letter and update WMP; Draft credit issued to JH for comment	Statement from JH
	Man-10	Learning Resources	1	1		JHG & Kann Finch	Design for energy and water initiatives to be recorded and reported within high profile area of the building	Specification extract & summary report
	Man-11	Maintainability	1	1	10%	JHG & UOS	UOS to complete reviews of design documents at regular intervals of the project and provide input on maintenance. Draft requirements issued to JHG who will deal with these requirements in Safety in Design workshops	Summary Statement
	Management Total		14	14	0		1 point = 0.71 weighted points	
Internal Quality	IEQ-1	Ventilation Rates	3	0		-	Not targeted	-
	IEQ-2	Air Change Effectiveness	2	0		-	Not targeted	-
	IEQ-3	Carbon Dioxide Monitoring / Control and VOC Monitoring	1	1		Climatech	CO2 & VOC monitoring to be provided in all return air ducts to each floor. Extent of monitoring to be confirmed in current design	Mechanical specification & drawings
	IEQ-4	Daylight	3	1	1	SFD	Daylighting modelling is required to determine extent of compliance. Layouts of UFA are dictating that 60% UFA may not achieve DF of 2% or greater	Daylight modelling report
	IEQ-5	Thermal Comfort	3	2		SFD	PMV modelling checks required and individual control to offices. Individual controls to offices have been removed	Modelling Report and Mechanical drawings
	IEQ-6	Hazardous Materials	1	1		JHG	Hazardous survey required and confirmation of lead, asbestos or PCBs present on site	Hazardous summary report
	IEQ-7	Internal Noise Levels	2	2		Acoustic Consultant	Acoustic specification developed for building services and internal noise levels to common areas to meet requirements of AS/NZS2107:2000	Acoustic report

Indoor Environment	IEQ-8	Volatile Organic Compounds	4	3			ALL	Specification of Low VOC Paints, adhesives & sealants and carpets coverings to be targeted	Specification extracts & summary report
	IEQ-9	Formaldehyde Minimisation	1	1			Kann Finch	Specification of composite wood products with formaldehyde emission levels less than 1mg/L	Specification extracts & summary report
	IEQ-10	Mould Prevention	1	0		-	-	Not targeted	-
	IEQ-11	Daylight Glare Control	1	1		20%	SFD, KF & JHG	Extent of blinds to be confirmed with UOS and KF. Short report and drawing markups issued to team for review and comment. Final blind material selection to be confirmed	Credit details
	IEQ-12	High Frequency Ballasts	1	1			Elec	Specification details issued to JHG for inclusion in contract	Specification extract & summary statement
	IEQ-13	Electric Lighting Levels	1	1			Elec	Lighting levels to be confirmed by Contractor. Updates to Specification required	Specification extract & summary statement
	IEQ-14	External Views	1	1			SFD	Extent of external views to be assessed for Useable Floor Area	Summary report
	Indoor Air Quality Total		25	15	1			1 point = 0.8 weighted points	
Energy	Ene-	Conditional Requirement	Cond. Req.	yes			-	10% improvement on BCA benchmark is proposed	Energy Modelling report
	Ene-1	Greenhouse Gas Emissions	20	1	3		SFD	Modelling of the new building services is required to confirm points available under GBCA alternative assessment methodology. Short report and Energy report has been prepared. This target is 25% improvement on BCA benchmarks	Energy Modelling report
	Ene-2	Electrical Sub-metering	1	1			Elec	Separate metering of functional spaces on each floor i.e.. offices, labs and teaching. Where spaces less than 200m2 they can be grouped up to 1000m2	Specification extract & summary Statement
	Ene-3	Peak Energy Demand Reduction	2	0		-	-	Not targeted as no cogen or PV proposed	-
	Ene-4	Lighting Zoning	1	1			Elec	Zoning of lighting to 100m2 max in offices and 500m2 for other spaces, and individual rooms to be switched, all light switches clearly marked.	Specification extract & summary Statement
	Ene-7	Unoccupied Areas	2	2			Climatech	Mechanical to confirm extent of shutdown of mechanical services to spaces when not occupied or expanded banding of mechanical services. This control is required to all functional spaces	Mechanical drawings and specification
	Ene-8	Stairs	1	1			Kann Finch	Internal stairs in highly visible locations with full height glazing included in design	Summary statement and Architectural drawings
	Ene-9	Efficient External Lighting	1	1			Elec	External lighting design to be reviewed and confirm if compliant to GS standards	Specification extract, drawings & Summary Statement
	Ene-10	Shared Energy Systems	1	0		-	-	Building is not sharing energy systems with other buildings in the site	-
	Energy Total		29	7	3			1 point = 0.86 weighted points	
Transport	Tra-1	Provision of Car Parking	2	2		80%	KannFinch	80% design architectural plans required	Credit details
	Tra-2	Fuel Efficient Transport	1	1		50%	JHG & Kann Finch	Comments on design issued to KannFinch on preferred car parking spots	Credit details
	Tra-3	Cyclist Facilities	4	4		10%	Kann Finch & JHG	Comments issued to KannFinch for review of proposed design. KF /JHG to advise on external cyclist facilities and final cyclist facility number	Architectural drawings & Summary Statement
	Tra-4	Commuting Mass Transport	5	5		80%	SFD	Draft credit issued to JHG for review and comment	Credit details
	Tra-6	Transport Design and Planning	1	1		60%	SFD & JHG	Draft credit issued to JH for review and comment. Travel plan and credit to be finalised on confirmation of car park and cyclist design	Credit details

		<u>Transport Total</u>	13	13	0			1 point = 0.77 weighted points	
Water	Wat-1	Occupant Amenity Water	5	2			JHG, SFD, Hydraulic & Kann Finch & WS&P	Minimum WELS ratings required and if upgrade targeted then more points are available.	Wat-1 calculator, Summary Statement, WELS Certificates & Specification extract
	Wat-2	Water Meters	1	1			Hydr	Water meters required to all major plant and equipment	Specification extract and Summary Statement
	Wat-3	Landscape Irrigation	3	3			Hydr & JHG	Extent of site landscaping and proposed alternative water source to be confirmed. Is this rainwater tank?	Hydraulic drawings Landscape drawings Specification extract and Summary Statement
	Wat-4	Heat Rejection Water	4	2			Climtech & Hydr	Assessment of cooling tower system required to confirm 50% water savings achieved in the proposed design. Rainwater reuse provided	-
	Wat-5	Fire System Water	1	1			Fire & JHG	Allowances for recovery of test water or no discharge within system to be confirmed by JHG	Summary report & drawings
	Wat-6	Potable Water Use in Laboratories	2	NA		60%	-	Final architectural plans required	Confirmation
	<u>Water Total</u>		14	9	0			1 point = 1.07 weighted points	
Materials	Mat-1	Recycling Waste Storage	2	2		10%	JHG & Kann Finch	Waste review issued to KannFinch for clarification. Short Report issued to team for review	Architectural drawings and Summary Statement
	Mat-2	Building Reuse	6	NA			SFD & JHG	Extent of existing buildings on site to be confirmed	Existing drawings and Summary Statement
	Mat-3	Recycled Content & Re-used Products and Materials	1	0		-	-	Not targeted	-
	Mat-4	Concrete	3	2			TTW & JHG	Revised credit criteria has been included in the Concrete specification for reclaimed water use, recycled sands and avg cement replacement at 30%	Structure Specification extract and Summary Statement
	Mat-5	Steel	2	2			TTW & JHG	Revised credit criteria has been adopted in concrete specification for reinforcing steel	Structure Specification extract and Summary Statement
	Mat-6	PVC	2	2			ALL	Specification of minimum 90% of all PVC items to be sourced from environmental responsible manufacturers	Specification extracts and Summary Statement
	Mat-7	Timber	1	0	1		ALL	Being reviewed as an option to replace thermal comfort controls	Short Report
	Mat-8	Design for Disassembly	1	1			SFD & Kann Finch	Façade to be designed for disassembly with bolted connections to allow for disassembly from structure	Architectural design drawings and Summary Report
	Mat-9	Dematerialisation	1	0		-	-	Not targeted	-
	Mat-11	Flooring	3	3			Kann Finch	Details issued to KannFinch for inclusion in specifications	Architectural Specification extract, Mat-11 calculator and Summary Statement
	Mat-12	Joinery	1	1			Kann Finch	Details issued to KannFinch for inclusion in specifications	Architectural Specification extract, Mat-12 calculator and Summary Statement
	Mat-13	Loose Furniture	3	3			Kann Finch	Details issued to KannFinch for inclusion in specifications	Architectural Specification extract, Mat-12 calculator and Summary Statement
	<u>Materials Total</u>		20	16	1			1 point = 0.5 weighted points	

Land Use and Ecology	Eco-	Conditional Requirement	Cond. Req.	yes					
	Eco-1	Topsoil	1	NA			SFD	Topsoil not considered to be fertile land	Summary Statement
	Eco-2	Re-use of Land	1	1			SFD	Existing building extents to be confirmed	Short Report
	Eco-3	Reclaimed Contaminated Land	2	NA			SFD	Contaminated land not expected, JHG to confirm if contamination exists	Summary Statement
	Eco-4	Ecological Value of Site	4	1			SFD	Given existing uses 1 point only expected	Eco-4 calculator and Summary Statement
	Land Use & Ecology Total		5	2	0			1 point = 1 weighted points	
Emissions	Emi-1	Refrigerant ODP	1	1			Climatech	Mechanical specification to be updated to include specification of zero ODP refrigerants	Mechanical Specification Extract & Summary Statement
	Emi-2	Refrigerant GWP	2	0		-	-	Not targeted	-
	Emi-3	Refrigerant Leaks	2	0	2		Climatech & JHG	Refrigerant leak detection system with recovery to be confirmed if included in the Mechanical design. JHG to advise	Mechanical Specification Extract, Mechanical Drawings & Summary Statement
	Emi-4	Insulant ODP	1	1			ALL	Specification of zero ODP in insulant products	Specification Extracts & Summary Statement
	Emi-5	Watercourse Pollution	3	0		-	-	Not targeted	-
	Emi-6	Discharge to Sewer	2	1			SFD	Given specification in Wat-1 only 1 point is available	Emi-6 calculator and Summary Statement
	Emi-7	Light Pollution	1	1			Elec	External lighting design to be efficient and not be pointing upwards	Electrical Specification extracts and Lighting drawings
	Emi-8	Legionella	1	0		-	-	Not feasible for project	-
	Emissions Total		13	4	2			1 point = 0.38 weighted points	
Innovation	Inn-1	Innovative Strategies and Technologies	2	0					
	Inn-2	Exceeding Green Star Benchmarks	2	0					
	Inn-3	Environmental Design Initiatives	1	0					
	Innovation Total		5	0					
Total Credits (unweighted)		138.00	80.00	7.00					
TOTAL CREDITS (WEIGHTED)		100.00	59.20	4.10					
	Weighted Score for Targeted Credits			59	4		4 star rating with additional credits to be confirmed		