

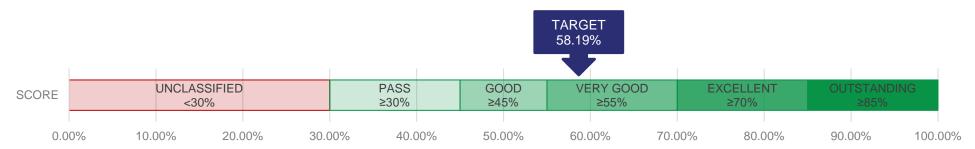
BREEAM NC 2018 PRE-ASSESSMENT CATALYST, BICESTER

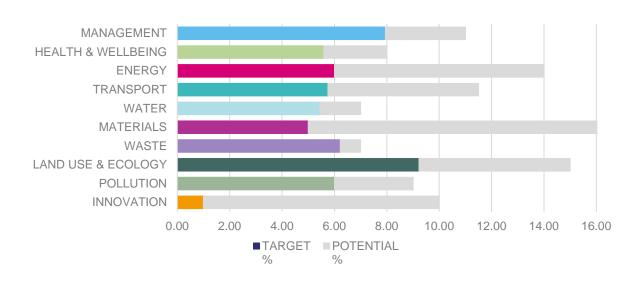
JULY 2019

The pre-assessment estimator outlines an indicative strategy to achieve a BREEAM NC 2018 rating of Very Good. This requires an overall score of 55%.

Mandatory credits required are written in red.

P indicates criteria that is a pre-requisite for other credits.







MANAGE	EMENT			AVAILABLE	TARGET
		Project Delivery Planning	Concept Design	1	1
		Stakeholder Consultation (Interested Parties)	Concept Design	1	0
Man 01	Project Brief & Design	Formally Agree Strategic Performance Targets	Concept Design	Р	Р
		BREEAM AP (Concept Design)	Concept Design	1	1
		BREEAM AP (Developed Design)	Developed Design	1	1
		Elemental LCC	Concept Design	2	0
Man 02	Life Cycle Cost & Service Life Planning	Component Level LCC Options Appraisal	Technical Design	1	0
		Capital Cost Reporting	Technical Design	1	1
	Responsible Construction Practices	Legally Harvested & Traded Timber	Construction	Р	Р
		Environmental Management	Construction	1	1
		Formally Agree Strategic Performance Targets	Construction	Р	Р
Man 03		BREEAM AP (Site)	Construction	1	1
		Responsible Construction Management	Construction	2	2
		Utility Consumption	Construction	1	1
		Transportation of Construction Materials & Waste	Construction	1	1
		Commissioning - Testing Schedule & Responsibilities	Developed Design	1	1
Man 04	Commissioning & Handover	Commissioning - Design & Preparation	Design Stage	1	1
Man 04	Continues to mandover	Testing & Inspection Building Fabric	Post-Construction	1	0
		Handover	Handover	1	1
			Section Total	18	13
			Section Score %	11.00	7.94
			Single Credit Value %	0.6	31



HEALTH	AND WELLBEING			AVAILABLE	TARGET
		Daylighting	Developed Design	1	0
Hea 01	Visual Comfort	View Out	Developed Design	1	1
		Internal & External Lighting Levels, Zoning & Controls	Technical Design	1	1
Hea 02	Indoor Air Quality	Indoor Air Quality Plan	Concept Design	Р	0
1160 02		Ventilation	Technical Design	1	0
Hea 04	Thermal Comfort	Thermal Modelling	Developed Design	1	1
пеа 04		Design for Future Thermal Comfort	Developed Design	1	1
Hea 05	Acoustic Performance	Indoor Ambient Noise Level	Developed Design	1	1
Hea 06	Security	Security of Site & Building	Concept Design	1	1
Hea 07	Cafe & Healthy Curroundings	Safe Access	Developed Design	1	0
пеа 07	Safe & Healthy Surroundings	Outdoor Space	Developed Design	1	1
			Section Total	10	7
			Section Score %	8.00	5.60
			Single Credit Value %	3.0	30



ENERGY	′			AVAILABLE	TARGET
Ene 01	Reduction of Energy Use & Carbon Emissions	Energy Performance	Developed Design	9	2
LITE OI	Reduction of Energy Ose & Carbon Emissions	Energy Modelling & Reporting	Developed Design	4	0
Ene 02	Energy Monitoring	Sub-Metering of End-Use Categories	Technical Design	1	1
LITE 02	Energy Monitoring	Sub-Metering of High Energy Load & Tenancy Areas	Technical Design	1	1
Ene 03	External Lighting	External Lighting	Developed Design	1	1
	Low Carbon Design	Passive Design Analysis	Concept Design	1	1
Ene 04		Free Cooling	Concept Design	1	0
		Low & Zero Carbon Technologies	Concept Design	1	1
Ene 06	Energy Efficient Transportation Systems	Energy Consumption	Developed Design	1	1
Elle 00	Energy Emclent Transportation Systems	Energy Efficient Features - Lifts	Technical Design	1	1
			Section Total	21	9
			Section Score %	14.00	6.00
			Single Credit Value %	0.6	37



TRANSI	PORT			AVAILABLE	TARGET
Tra 01	Transport Assessment & Travel Plan	Travel Plan	Feasibility	2	2
Tra 02	Sustainable Transport Measures	Transport Options Implementation	Feasibility	10	4
			Section T	otal 12	6
			Section Score	e % 11.50	5.75
			Single Credit Value	e % 0.	96



WATER				AVAILABLE	TARGET
Wat 01	Water Consumption	Reduction in Potable Water Use	Technical Design	5	3
Wat 02	Water Monitoring	Water Monitoring	Technical Design	1	1
Wat 03	Water Leak Detection & Prevention	Leak Detection System	Technical Design	1	1
wai oo		Flow Control Devices	Technical Design	1	1
Wat 04	Water Efficient Equipment	Unregulated Water Reduction	Technical Design	1	1
			Section Total	9	7
			Section Score %	7.00	5.44
			Single Credit Value %	0.7	78



MATER	ALS			AVAILABLE	TARGET
Mat 01	Building Life Cycle Assessment	Superstructure	Concept Design	6	0
IVIAL U I	Building Life Cycle Assessment	Substructure & Hard Landscaping Options Appraisal	Concept Design	1	0
Mat 02	Environmental Product Declarations	Specification of Products with a Recognised EPD	Technical Design	1	0
		Legally Harvested & Traded Timber	Construction	Р	Р
Mat 03	Responsible Sourcing of Construction Products	Enabling Sustainable Procurement	Concept Design	1	1
		Measuring Responsible Sourcing	Construction	3	1
Mat 05	Designing for Durability & Resilience	Protect Vulnerable & Exposed Elements from Damage & Degradation	Technical Design	1	1
Mat 06	Material Efficiency	Minimise Environmental Impact of Materials	Preparation & Brief	1	1
			Section Total	14	4
			Section Score %	17.50	5.00
			Single Credit Value %	1.2	25



WASTE				AVAILABLE	TARGET
Wst 01	Construction Waste Management	Construction Resource Efficiency	Construction	3	3
VV 51 01	Construction waste management	Diversion of Resources from Landfill	Construction	1	1
Wst 02	Use of Recycled & Sustainably Sourced Aggregates	Project Sustainable Aggregate Points	Construction	1	0
Wst 03	Operational Waste	Operational Waste	Technical Design	1	1
Wst 05	Adaptation to Climate Change	Resilience of Structure, Fabric, Building Services & Renewables Installation	Concept Design	1	1
Wst 06	Functional Adaptability	Design for Disassembly & Functional Adaptability - Recommendations	Concept Design	1	1
VV 51 00	Turictional Adaptability	Design for Disassembly & Functional Adaptability - Implementation	Concept Design	1	1
			Section Total	9	8
			Section Score %	7.00	6.22
			Single Credit Value %	0.	78



LAND U	JSE AND ECOLOGY			AVAILABLE	TARGET
Le 01	Site Selection	Previously Occupied Land	Developed Design	1	0
Leui	Site Selection	Contaminated Land	Developed Design	1	0
	Identifying & Understanding the Dicks	Assessment Route Selection	Preparation & Brief	Р	Р
Le 02	Identifying & Understanding the Risks & Opportunities for the Project	Survey & Evaluation	Preparation & Brief	1	1
	α Opportunities for the Project	Determining the Ecological Outcomes for the Site	Concept Design	1	1
	Managing Negative Impacts on Ecology	Identification & Understanding the Risks & Opportunities of the Site	Concept Design	Р	Р
Le 03		Planning, Liaison, Implementation & Data	Concept Design	1	1
		Managing Negative Impacts of the Project	Concept Design	2	1
		Identification & Understanding the Risks & Opportunities of the Site	Concept Design	Р	Р
Le 04	Change & Enhancement of Ecological Value	Liaison, Implementation & Data Collection	Concept Design	1	1
		Enhancement of Ecology	Concept Design	3	1
		Roles & Responsibilities, Implementation, Statutory Obligations	Concept Design	Р	Р
Le 05	Long Term Ecology Management & Maintenance	Planning, Liaison, Data, Monitoring & Review Management & Maintenance	Concept Design	1	1
		Landscape & Ecology Management Plan Development	Concept Design	1	1
			Section Total	13	8
			Section Score %	15.00	9.23
			Single Credit Value %	1.1	15



POLLU ⁻	TION			AVAILABLE	TARGET
		Pre-Requisite - BS EN 378:2018	Technical Design	Р	Р
Pol 01	Impact of Refrigerants	Impact of Refrigerants	Technical Design	2	1
		Leak Detection	Technical Design	1	0
Pol 02	Local Air Quality	NOx, PPM, VOC Emissions	Technical Design	2	2
	Flood & Surface Water Management	Appropriate Consultant	Developed Design	Р	Р
		Flood Resilience	Developed Design	2	1
Pol 03		Bespoke Surface Water Run-Off Design Solutions	Technical Design	Р	Р
F01 03		Surface Water Run-Off - Rate	Technical Design	1	1
		Surface Water Run-Off - Volume	Technical Design	1	0
		Minimise Watercourse Pollution	Technical Design	1	1
Pol 04	Reduction of Night Time Light Pollution	Reduction of Night Time Light Pollution	Technical Design	1	1
Pol 05	Reduction of Noise Pollution	Reduction of Noise Pollution	Developed Design	1	1
			Section Total	12	8
			Section Score %	9.00	6.00
			Single Credit Value %	0.7	75



INNOVA	ATION			AVAILABLE	TARGET
	Man 03	Responsible Construction Practices - All Criteria	Construction	1	1
	Hea 01	Visual Comfort - Daylighting	Developed Design	1	0
8	Hea 06	Security - SABRE	Concept Design	1	0
rforman	Ene 01	Reduction of Energy Use & Carbon Emissions	Concept Design	5	0
Ē	Wat 01	Water Consumption	Technical Design	1	0
ĵ.	Mat 01	Building Life Cycle Assessment	Concept Design	3	0
A B	Mat 03	Responsible Sourcing of Construction Products	Construction	1	0
ягу	Wst 01	Construction Waste Management	Construction	1	0
Exemplary	Wst 02	Use of Recycled & Sustainably Sourced Aggregate	Construction	1	0
en	Wst 05	Adaptation to Climate Change	Concept Design	1	0
Ě	Le 02	Identifying & Understanding the Risks & Opportunities for the Project	Concept Design	1	0
	Le 04	Change & Enhancement of Ecological Value	Concept Design	1	0
	Inn	BRE Approved Innovations	Developed Stage	1	0
			Section Total	10	1
			Section Score %	10.00	1.00
			Single Credit Value %	1.0	00

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Target Score %	
Target Rating	Very Good