CATEGORY / CREDIT	AIM OF THE CREDIT / SELECTION	CODE	CREDIT CRITERIA	POINTS AVAILABLE	INPUT	Overlaps HI ESG AusHFG NCC 2019 SSDA Req	Standard Practice (1) Minimum requirement (C)	Healtcare relevant initiatives (1) Primarily for IPU type spaces.	Low focus initiatives
Management				**14**					
Accredited Professional	To recognise the appointment and active involvement of an Accredited Professional (under an Environmental Rating System) in order to ensure that the rating tool is applied effectively and as intended.	1.0	Accredited Professional	1	ESD		1		
Commissioning and Tuning	To encourage and recognise commissioning, handover and tuning initiatives that ensure all building services operate to their full potential.	2.0	Environmental Performance Targets	-	HI		C		
		2.1	Services and Maintainability Review	1	ICA		1		
		2.2	Building Commissioning	1	ICA		1		
		2.3	Building Systems Tuning	1	ICA		1		
		2.4	Independent Commissioning Agent	1	ICA				Requires an additional consultant. HI undertake a similar role to ICA.
Adaptation and Resilience	To encourage and recognise projects that are resilient to the impacts of a changing climate and natural disasters.	3.1	Implementation of a Climate Adaptation Plan	2	ENV	SEARS condition: Credit canbe used to demonstrate CSIRO project climate Impacts			
Building Information	To recognise the development and provision of building information that facilitates understanding of a building's systems, operation and maintenance requirements, and environmental targets to enable the optimised performance.	4.1	Building Information	1	ARCH		1		
Commitment to Performance	To recognise practices that encourage building owners, building occupants and facilities management teams to set targets and monitor environmental performance in a collaborative way.	5.1	Environmental Building Performance	1	HI		1		
		5.2	End of Life Waste Performance	1	WASTE				
Metering and Monitoring	To recognise the implementation of effective energy and water metering and monitoring systems.	6.0	Metering	-	MECH		C		
		6.1	Monitoring Systems	1	MECH		1		
Responsible Building Practices	To reward projects that use best practice formal environmental management procedures during construction.	7.0	Environmental Management Plan	-	CONTR		1		
		7.1	Formalised Environmental Management System	1	CONTR		1		
		7.2	High Quality Staff Support	1	CONTR				Construction related credit for contractor to consider.
Operational Waste	Performance Pathway	8A	Performance Pathway - Specialist Plan	1	WASTE		1		
		8B	Prescriptive Pathway - Facilities	-	WASTE				
Total				**14**			**10**	**0**	
Indoor Environment Quality				**17**					
Indoor Air Quality	To recognise projects that provide high air quality to occupants.	9.1	Ventilation System Attributes	1	MECH			1	
		9.2	Provision of Outdoor Air	2	MECH	EFG requirements request 2.0 ACH to IPU spaces.		1	
		9.3	Exhaust or Elimination of Pollutants	1	MECH			1	
Acoustic Comfort	To reward projects that provide appropriate and comfortable acoustic conditions for occupants.	10.1	Internal Noise Levels	1	ACOUS			1	
		10.2	Reverberation	1	ACOUS			1	
		10.3	Acoustic Separation	1	ACOUS			1	
Lighting Comfort	To encourage and recognise well-lit spaces that provide a high degree of comfort to users.	11.0	Minimum Lighting Comfort	-	LIGHT			C	
		11.1	General Illuminance and Glare Reduction	1	LIGHT			1	
		11.2	Surface Illuminance	1	ARCH			1	
		11.3	Localised Lighting Control	1	LIGHT			1	
Visual Comfort	To recognise the delivery of well-lit spaces that provide high levels of visual comfort to building occupants.	12.0	Glare Reduction	-	ESD			C	
		12.1	Daylight	2	ESD			1	
		12.2	Views	1	ARCH			1	
Indoor Pollutants	To recognise projects that safeguard occupant health through the reduction in internal air pollutant levels.	13.1	Paints, Adhesives, Sealants and Carpets	1	ARCH			1	
		13.2	Engineered Wood Products	1	STRUC			1	
Thermal Comfort	To encourage and recognise projects that achieve high levels of thermal comfort.	14.1	Thermal Comfort	1	MECH	NCC 2019 JV3 requires a PMV assessment mto be undertaken		1	
		14.2	Advanced Thermal Comfort	1	MECH			1	
Total				**17**			**0**	**15**	
Energy				**22**					
Greenhouse Gas Emissions		15E.0	Conditional Requirement: Reference Building Pathway	-	MECH	Aligns with HI ESG 10% Improvement and NSW GREP. The NCC JV3 Energy Modelling approach should be used.	C		
		15E.1	Comparison to a Reference Building Pathway	20		Aligns with HI ESG 10% Improvement and NSW GREP. The NCC JV3 Energy Modelling approach should be used. 10% improvement equates to 1.6 points.	1	1	
Peak Electricity Demand Reduction	Prescriptive Pathway	16A	Prescriptive Pathway - On site Energy Generation	-	ELEC				
		16B	Performance Pathway - Reference Building	2	ELEC			1	
Total				**11**			**1**	**2**	
Transport				**10**					
Sustainable Transport	Performance Pathway	17A.1	Performance Pathway	10	TRANS				Hospitals are usually well connected to public transport nodes. Large percentage of patients require access to hopsitals via vehicles. Expansion of exisitng hospital also require additional carparking.
		17B.1	Access by Public Transport	0					
		17B.2	Reduced Car Parking Provision	0					
		17B.3	Low Emission Vehicle Infrastructure	0					
		17B.4	Active Transport Facilities	0					
		17B.5	Walkable Neighbourhoods	0					
Total				**10**			**0**	**0**	
Water				**12**					

Potable Water	Prescriptive Pathway	18A.1	Potable Water - Performance Pathway	0	HYDR	AusHFG Requirements limit use of RW systems (maintenance / Payback / health risks)			Hospitals require extensive use of potable water and typically lower use for recycled water. AusHFG requirements limit use of rainwater systems, limiting the use to primarily landscaping.
		18B.1	Sanitary Fixture Efficiency	1	HYDR		1		
		18B.2	Rainwater Reuse	1	HYDR	AusHFG Requirements limit use of RW systems	-		
		18B.3	Heat Rejection	2	MECH				
		18B.4	Landscape Irrigation	1	LAND		1		
		18B.5	Fire System Test Water	1	FIRE		1		
Total				**6**			**3**	**0**	
Materials				**14**					
Life Cycle Impacts	Prescriptive Pathway - Life Cycle Impacts	19A.1	Comparative Life Cycle Assessment	0					Life Cycle Assessor (additional consultant) required
		19A.2	Additional Life Cycle Impact Reporting	4					Life Cycle Assessor (additional consultant) required
		19B.1	Concrete	3	ARCH		1		
		19B.2	Steel	1	ARCH		1		
		19B.3	Building Reuse	4					
		19B.4	Structural Timber	4	STRUC		1		
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	STRUC		1		
		20.2	Timber Products	1	ARCH		1		
		20.3	Permanent Formwork, Pipes, Flooring, Blinds and Cables	1	HYDR MECH ELEC ARCH STRUC		1		
Sustainable Products	To encourage sustainability and transparency in product specification.	21.1	Product Transparency and Sustainability	3					
Construction and Demolition Waste	Fixed Benchmark	22A	Fixed Benchmark	1					
		22B	Percentage Benchmark	-	CONTR		1		
Total				**12**			**7**	**0**	
Land Use & Ecology				**6**					
Ecological Value	To reward projects that improve the ecological value of their site.	23.0	Endangered, Threatened or Vulnerable Species	-	ECO		C		Hospitals usually built on brown field sites
		23.1	Ecological Value	3					Hospital sites are usually mainly buildings with minimal landscape area.
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	-	LAND		C		
		24.1	Reuse of Land	1					Most hospital and healthcare projects are located within exisitng hospital sites. For most projects, this credit would be considered achieved.
		24.2	Contamination and Hazardous Materials	1	CONTR	1			
Heat Island Effect	To encourage and recognise projects that reduce the contribution of the project site to the heat island effect.	25.0	Heat Island Effect Reduction	1	ARCH		1		
Total				**6**			**1**	**0**	
Emissions		**FALSE**		**5**					
Stormwater	To reward projects that minimise peak stormwater flows and reduce pollutants entering public sewer infrastructure.	26.1	Stormwater Peak Discharge	1	CIVIL		1		
		26.2	Stormwater Pollution Targets	1					
Light Pollution	To reward projects that minimise light pollution.	27.0	Light Pollution to Neighbouring Bodies	-					Neighbouring buildings are usually the hospital buildings. Consider impacts to surrounding residential if any.
		27.1	Light Pollution to Night Sky	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	MECH			1	
Refrigerant Impacts	To encourage operational practices that minimise the environmental impacts of refrigeration equipment.	29.0	Refrigerants Impacts	1	MECH				
Total				**5**			**1**	**1**	
Innovation				**10**					
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	10					
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 Benchmarks	The project has achieved full points in a credit and demonstrates a substantial improvement on the benchmark required to achieve full points.	30C	Improving on Benchmarks						
	Supplementary or tenancy fitout systems review	30C	Commissioning and Tuning		ICA				
	Daylight See credit	30C	Visual Comfort		ESD				
Innovation Challenge	Where the project addresses an sustainability issue not included within any of the above Credits.	30D	Innovation Challenge						
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 rating tools.	30E	Global Sustainability						
Total				**10**			**0**	**0**	
TOTAL							**23**	**18**	