

# Limited and Minimal Scope Sustainability Matrix

Issued 2018/06

The Sustainability Matrix is supplemental to the Yale Basis Of Design (BOD) document and tracks sustainability as aligned with University priorities. The Sustainability Matrix and supporting documentation shall be submitted as an attachment to the BOD. Both USGBC LEED V4 Building Design & Construction (BD+C) and Interior Design and Construction (ID+C) rating systems are to be referenced. It is expected that all prerequisites and credits applicable to the scope are attempted. Check NA (not applicable) if the requirement falls outside the scope of work.

Project Name: \_\_\_\_\_ S.F. \_\_\_\_\_ Limited or Minimal Scope: \_\_\_\_\_ Date: \_\_\_\_\_

Priority Prerequisite & Credit Requirement			Limited	Minimal	Q: Achieved?	Q: If No, why not achieved?	
Rating	Category & Name		Guidance				
ID+C	IPc	Integrative Process Credit	<u>Energy-Related Systems</u> : Assess two potential options for each applicable system listed under this ID+C Credit. <u>Water-Related Systems</u> : Perform a preliminary water analysis as detailed in this ID+C Credit.	Yes	No		
BD+C	WEp	Outdoor Water Use Reduction Prerequisite	Reduce outdoor water use through Option 1: No Irrigation Required or Option 2: Reduced Irrigation calculated as per this BD+C Prerequisite.	Yes	Yes		
ID+C	WEp	Indoor Water Use Reduction Prerequisite	<u>Building Water Use</u> : meet reductions for fixtures and fittings as defined in the ID+C Prerequisite. <u>Appliance and Process Water Use</u> : meet requirements as defined in the ID+C Prerequisite.	Yes	Yes		
ID+C	WEc	Indoor Water Use Reduction Credit	Reduce water use beyond the baseline reduction cited above under the ID+C Water Efficiency Indoor Water Use Reduction Prerequisite.	Yes. See Design Std.	Yes. See Design Std.		
ID+C	EAp	Fundamental Commissioning Prerequisite	<u>Systems</u> : Commission mechanical, electrical, plumbing, renewable energy and exterior enclosure systems and assemblies as per this LEED Prerequisite. <u>Activities</u> : Perform all Commissioning activities per this prerequisite. <u>Operations and Maintenance Plan</u> : Prepare the O&M Plan meeting the requirements of this LEED ID+C Prerequisite.	Yes	No, see Std. Section 01810 General Comm.		
ID+C	EAp	Minimum Energy Perf. Prerequisite		Yes	Yes		
ID+C	EAp	Fundamental Refrigerant Management Prerequisite	<u>New Systems</u> : Do not use chlorofluorocarbon (CFC)-based refrigerants in new heating, ventilating, air-conditioning, and refrigeration (HVAC&R) systems. <u>Existing Small HVAC&amp;R Units</u> : Meet requirements as per this ID+C Prerequisite.	Yes	Yes		
ID+C	EAc	Enhanced Commissioning Credit	In addition to meeting the requirements of the Fundamental Commissioning Prerequisite cited above, complete the Option 1 Enhanced Commissioning process activities as per this Credit.	Yes	No		
ID+C	EAc	Optimize Energy Performance Credit	<u>Energy Performance</u> : Establish energy performance targets beyond the baseline of the Minimum Energy Performance Prerequisite through either Option 2: Prescriptive Compliance per this ID+C Credit or Option 1: Energy Simulation.	Yes, see below	Yes, see below		
			<u>Base Building Systems</u> : Comply with ASHRAE recommendations for Opaque Building Envelope and Glazing Building Envelope and HVAC Equipment Efficiency as per this ID+C Credit.	Yes	Yes		
			<u>HVAC Systems</u> : Provide zoning and controls as detailed in this ID+C Credit.	Yes	Yes		
			<u>Interior Lighting Power</u> : Reduce lighting power density as detailed in this ID+C Credit.	Yes	Yes		
			<u>Interior Lighting Controls</u> : Install daylighting controls and/or occupancy sensors as detailed in this ID+C Credit.	Yes	Yes		
			<u>Equipment and Appliances</u> : Install ENERGY STAR equipment and appliances as detailed in this ID+C Credit.	Yes	Yes		

Project Name: \_\_\_\_\_

Scope: \_\_\_\_\_

Date: \_\_\_\_\_

Priority Prerequisite & Credit Requirement				Limited	Minimal	Q: Achieved?	Q: If No, why not achieved?
Rating	Category & Name		Guidance				
ID+C	MRp	Storage & Collection of Recyclables Prerequisite	Provide dedicated, accessible, areas for collection and storage of recyclable materials as detailed in this ID+C Prerequisite.	Yes	Yes		
ID+C	MRC	Interiors Life-Cycle Impact Reduction Credit	Meet requirements of Option 1: Interior Reuse, Option 2: Furniture Reuse and/or Option 3: Design for Flexibility as detailed in this ID+C Credit.	Yes	No, see Std. Sect. 01532 Salv. F&E		
ID+C	MRC	Environmental Product Declarations Credit	Achieve Option 1 Environmental Product Declarations by using at least 20 products that meet the criteria of this ID+C Credit. In addition Yale requires that these materials be Declare Living Building Challenge Red List Free	Yes	No		
ID+C	MRC	Construction & Demo Waste Mgmt. Credit	Achieve Option 1, Path 2: Divert 75% and Four Material Streams as detailed in this ID+C Credit.	Yes	Yes		
ID+C	EQp	Minimum IAQ Performance Prerequisite	Meet Ventilation and Monitoring Requirements for Mechanically Ventilated Spaces and Naturally Ventilated Spaces as detailed in this ID+C Prerequisite.	Yes	Yes		
ID+C	EQc	Enhanced IAQ Strategies Credit	Demonstrate indoor air quality improvements beyond the Minimum IAQ Performance Prerequisite requirements cited above. For mechanically ventilated spaces, naturally ventilated spaces or mixed-mode systems, meet reqm'ts. for Entryway Systems, Interior Cross Contamination Prevention, Filtration, Natural Ventilation Design Calculations, Mix-mode Design Calculations as applicable & detailed in this ID+C Credit.	Yes	No		
ID+C	EQc	Low Emitting Materials Credit	<u>Achieve Option 1: Product Category Calculations:</u> Compliance with emissions and content standards for 3 of the 6 categories of materials by volume or cost as detailed in Table 1 for this ID+C Credit. Categories include (1) Interior Paints and Coatings, (2) Interior Adhesives and sealants, (3) Flooring, (4) Composite Wood, (5) Insulation & (6) Furniture.	Yes	Yes		
ID+C	EQc	IAQ Assessment Credit	<u>Comply with Option 1 or 2.</u> Option 1 Flush Out: Complete outdoor air flush out Before Occupancy or During Occupancy as detailed in the Credit. Option 2 Air Testing: Demonstrate that contaminant levels do not exceed maximum concentration levels through air testing as detailed in this ID+C Credit.	Yes	Yes		
ID+C	EQc	Thermal Comfort Credit	Comply with Thermal Comfort Design Option 1 and Thermal Comfort Control Option 2. as detailed in this ID+C Credit.	Yes	Yes		
ID+C	EQc	Interior Lighting Credit	<u>Option 1 Lighting Controls:</u> Comply with requirements for shared multi-occupant spaces. <u>Option 2 Lighting Quality:</u> Use strategies detailed under this ID+C Credit as applicable.	Yes	Yes		
ID+C	EQc	Daylight Credit	Demonstrate access to daylight in regularly occupied spaces through either Option 1 Simulation, Option 2 Simulation or Option 3 Measurement, as detailed in this ID+C Credit.	Yes	No		
ID+C	INc	Innovation	Attempt a pilot credit, innovation credit, and/or exemplary performance as detailed in this ID+C Credit.	Yes	Yes		
BD+C	SSp	Construction Activity Pollution Prevention	Create and implement an erosion and sedimentation control plan to reduce pollution from construction activities by controlling soil erosion, waterway, sedimentation, and airborne dust as detailed in this BD+C Prerequisite.	Yes	Yes		
ID+C	EQc	Construction IAQ Mgmt. Plan Credit	Implement an IAQ Management Plan for the project's construction phase and pre-occupancy as detailed in this ID+C Credit.	Yes	Yes		