



UBC Beaty Museum Extension: Preliminary GOLD-level Scorecard LEED v4 BD+C: NEW CONSTRUCTION

Date Issued: March 24, 2022

USGBC Project No.: 1000154872

Project Total

IPc1



11	1	2	2
		2	2

			-		LTc1
1				#	LTc2
			2		LTc3
5				#	LTc4
5				#	LTc5
	1			#	LTc6
		1			LTc7
		1			LTc8

5 2 2 1



3

Y				١
Y				١
Y				١
1		1	#	١
3	1	2	#	١
	2		#	١
1				١

15 10 5 3

5 3

Y					EAp1
 Ŷ					EAp2
Y					EAp3
Y					EAp4
 4	2]#	EAc1
10	5	3		#	EAc2
1				#	EAc3
	1		1	#	EAc4
	1	2		#	EAc5
	1			#	EAc6
			2		EAc7

Integrative Process	Possib

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110 points

Location + Transportation

- LTc1 LEED for Neighborhood Development Location
- LTc2 ensitive Land Protection

Integrative Process

- High Priority Site
- Surrounding Density and Diverse Uses
- Access to Quality Transit
- **Bicycle Facilities** LTc6
 - Reduced Parking Footprint
- Green Vehicles LTc8



Possible Points: 16

Possible Points: 10

Possible Points: 11

Y			
Y			
3		2	#
1		1	
1		1	#
	1	1	
2			#

5

11

2

3

2

6

2 2

1

1

1

1

Materials + Resources

MRp1	Storage & Collection of Recyclab
MRp2	Construction and Demolition Wa
MRc1	Building Life-Cycle Impact Reduction
MRc2	Building Product Disclosure & Optir
MRc3	Building Product Disclosure & Optin
MRc4	Building Product Disclosure & Optir
MRc5	Construction & Demolition Waste M

Indoor Environmental Quality

			IEQp1	Minimum IAQ Performance
			IEQp2	Environmental Tobacco Smoke (E
		#	IEQc1	Enhanced Air Quality Strategies
		#	IEQc2	Low-Emitting Materials
		#	IEQc3	Construction IAQ Management Plan
		#	IEQc4	Indoor Air Quality Assessment
		#	IEQc5	Thermal Comfort
	1		IEQc6	Interior Lighting
	3	1	IEQc7	Daylight
			IEQc8	Quality Views
	1		IEQc9	Acoustic Performance

IEQc9 Acoustic Performance

Innovation + Design Process

IDc1.1	Innovation: Occupant Comfort Surv
IDc1.2	Innovation Pilot: Bird Collision Dete
IDc1.3	Innovation Pilot: All Gender Washr
IDc1.4	Exemplary Performance: Access to
IDc1.5	Exemplary Performance: Construct
IDc2	LEED [™] Accredited Professional

RPc1.1	Regional Priority: Optimize Energy (10
RPc1.2	Regional Priority: Enhanced Commissi
RPc1.3	Regional Priority: Building Life-Cycle Ir
RPc1.4	Regional Priority: Rainwater Managem

Energy & Carbon Management Pillar
Water Management Pillar
Materiality Pillar
Landscape and Ecology Pillar
= Credit Tied to UBC Implementation Guide

|#

Sustainable Sites	

5p1 Construction Ac	livity Pollution Prevention
Sc1 Site Assessment	
Sc2 Site Development	Protect or Restore Habitat
Sc3 Open Space	
Rainwater Manag	ement
Heat Island Redu	tion
Light Pollution Re	duction

Water Efficiency

WEp1	Outdoor Water Use Reduction: 30%
WEp2	Indoor Water Use Reduction: 20%
WEp3	Building-Level Water Metering
WEc1	Outdoor Water Use Reduction
WEc2	Indoor Water Use Reduction
WEc3	Cooling Tower Water Use
WEc4	Water Metering

Energy	+ Atmosphere	Possible Points:	33				
EAp1	Fundamental Commissioning and Verification						
EAp2	Minimum Energy Performance						
EAp3	Building-Level Energy Metering						
EAp4	Fundamental Refrigerant Management						
EAc1	Enhanced Commissioning						
EAc2	Optimize Energy Performance:						
EAc3	Advanced Energy Metering						
EAc4	Demand Response						
EAc5	Renewable Energy Production						
EAc6	Enhanced Refrigerant Management						

Green Power and Carbon Offsets



	Possible Points:	13
es		
te Management Planni	ng	
ı		
ization: Environmental P	roduct Declarations	
ization: Sourcing of Raw	Materials	
ization: Material Ingredie	ents	
anagement		
	Possible Points:	16
TS) Control		

	Possible Points:	6
у		
rence		
oms		
Quality Transit		
on Waste Management		

	Possible Points:	4
pts)		
oning (5 pts)		
npact Reduction (3 pts)	
ent - 2 Pts		

DocumentedTargeted	 High Potential Low Potential No 	Date Iss	V4 BDFC: New Construction ued: March 24, 2022 Project No.: 1000154872			Project occupancy : assumed 70 staff and 50 visitors, to be confirmed as the project progresses.		
63	19 14 14	Projec	t Total					
		Certified 40	0 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platin	num 80 to 110)			
Preliminary I	Information		Possible Points:		RESPONSIBILITY	LEED Requirement	Notes	Actions
Y		Form 1	Minimum Project Requirements	Y	Sustainability Consultant	Comply with all the LEED Minimum Project Requirements (MPR).		
Y		Form 2	Project Summary Details	Y	Sustainability Consultant	Building Area and GSF values; Site Characteristics; Energy & Water Sources; Budget & Historic Project Data		
Y		Form 3	Occupant & Usage Data	Y	Sustainability Consultant	Space Usage; Occupant Information		
Y		Form 4	Schedule & Overview Documents	Y	Sustainability Consultant	Schedule; Overview Documents; Narratives		
++ +	2	Integra	tive Process Possible Points:	1	RESPONSIBILITY	LEED Requirement	Notes	Actions
1		IPc1	Integrative Process	1	Sustainability Consultant	Perform preliminary energy model and water budget before the completion of SD and document in OPR & BOD. Begining in pre-design and continuing throughout the design phases, identify and use opportunities to achieve synergies across disciplines and building systems described below. Use the analyses to inform the owner's project requirements (OPR), basis of design (BOD), design documents, and construction documents. ENERGY-RELATED SYSTEMS DISCOVERY: Perform a preliminary "simple box" energy modeling analysis before the completion of schematic design that explores how to reduce energy loads in the building and accomplish related subanabulity goals by questioning default assumptions. Assess at least two potential strategies associated with each of the following:	LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide	
11 ++ +	1 2 2 ?	Locatio	on +Transportation Possible Points:	16	RESPONSIBILITY	-ste conductive. Assess shading, exterior reprinting, indicatego, enrice aging, and addedit site conductive. LEED Requirement Locate the project in within the boundary of a development certified under LEED for Neiphborhood Development (Stace 2 or Stace 3 under the Pilot or 2009 rating systems. Certified	Notes	Actions
		LTc1	LEED for Neighborhood Development Location	1-16	Owner / Architect	Plan or Certified Project under the LEED v4 rating system).	LEED DM 44/40/2024 where ended as serviced by UPO LEED	
1		LTc2	Sensitive Land Protection	1	Civil	OP HOW I. Locate the development loopmit on rand that has been previously developed.	Implementation Guide	
	2	LTc3	High Priority Site	2	Owner / Civil / Environmental	OPTION 1. HISTORIC DISTRICT Locate the project on an infill location in a historic district.	Not Targeted	
5		LTc4	Surrounding Density and Diverse Uses Surr Density : 5,050m2/hac w/ 17.5 res units/hac, 0.5 FAR nonres Surr Density : 8,035m2/hac w/ 30 res units/hac, 0.8 FAR nonres Diverse I less within RNDm walkinn ritstance: 4	1-5 2 3	Architect	OPTION 1. SURROUNDING DENSITY Locate on a site whose surrounding using density within a ¼-mile [400-meter] radius of the project boundary meets the values in Table 1. Use either the "separate residential and nonresidential densities" or the "combined density" values. DU = dwelling unit; FAR = floor-area ratio. AND/OR OPTION 2. DWERSE LISES.	LEED PM 129/2021: Density calcs and diverse uses provided in UBC LEED Implementation guide Appendix C LEED PM 11/19/2021: S pls noted as required by UBC LEED Implementation Guide	
			Diverse Uses within 800-m walking distance: 8	2		Construct or renovate a building or a space within a building such that the building's main entrance is within a ½-mile (800-meter) walking distance of the main entrance of four to		
5		LTc5	Access to Quality Transit 72 weekday, 42 weekend trips 144 weekday, 108 weekend trips	1-5 1	Architect	Locate any functional entry of the project within a ½-mile (400-meter) valking distance of existing or planned bus, stretcar, or informal transit stops, or within a ½-mile (800-meter) walking distance of existing or planned bus rapid transit stops, light or heavy rail stations, commuter rail stations or ferry terminals. The transit service at those stops and stations in aggregate must be the minimums tisted in Tables is and 2. Plenned stops and stations may count if they are sted, funded, and under construction by the date of the certificate of occupancy and are complete within 24 months of that date.	ARCH 12/9/2021: Building primary entrance is likely through the existing building. One entrance is being relocated to the new building.	ARCH to confirm primary entrance for the project
			360 weekday, 216 weekend trips	5		com weekaay and weekend uip minimumis must be met. Qualifying transit routes must have paired route service (service in opposite directions).	UBC LEED Implementation guide Appendix D	
	1	LTc6	Bicycle Facilities	1	Architect	BICYCLE NETWORK Design or locate the project such that a functional entry and/or bicycle storage is within a 200-yard (180-meter) walking distance or bicycling distance from a bicycle network that connects to at least one of the following:	ARCH 12/9/2021: 20 Bicycle spaces are proposed in the building additional visitor spaces can be provided as well however shower facilities are being provided in adjacent building	
						at least 10 diverse uses (see Appendix 1); a school or employment center, if the project total floor area is 50% or more residential; or Do not exceed the minimum local code requirements for parking capacity.	LEEU PM 12/9/2021: Based on /U staff and 50 visitor counts, 4 Class A and 4 Class B stalls, 1 stoware required. Secured bike storage for 33 bikes on L1 ARCH 12/9/2021: No additional parking is being added. Some	
	1	LTc7	Reduced Parking Footprint	1	Architect	Provide parking capacity that is a percentage reduction below the base ratios recommended by the Parking Consultants Council, as shown in the Institute of Transportation Engineers' Transportation Planning Handbook, 3rd edition, Tables 18-2 through 18-4. CASE 1. BASELINE LOCATION	spaces in existing parking lot will be re-labeled for staff. LEED PM 11/19/2021: Staying away from Parking-related credits for now due to campus complexities.	
	1	LTc8	Green Vehicles	1	Architect	Designate 5% of all parking spaces used by the project as preferred parking for green vehicles. Clearly identify and enforce for sole use by green vehicles. Distribute preferred parking ensage reproductionally among using parking ensages.	LEED PM 11/19/2021: Staying away from Parking-related credits	
						epusoo proportionary antong termora parting accepting (e.g. patriment altori termi terug termi apacea).	to non due to campus comprexistes.	

UBC Beaty Museum Extension: Preliminary GOLD-level Scorecard LEED v4 BD+C: New Construction

++ + - - Y - - Skp1 Construction Advidy Polution Prevention Y C/vil Engineer / GC Create and implement an erosion and sedimentation control plan for all construction advides associated with the project. The plan must conform to the erosion and sedimentation LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide 1 A B Sks1 Site Assessment 1 Civil / Environmental Civil / Environmental Create and implement an erosion and sedimentation control plan for all construction advides the following information: LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide 1 Implementation Civil Engineer / GC Create and implement an erosion and sedimentation control plan for all construction advides the following information: LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide 1 Implementation Site Assessment 1 Civil / Environmental Civil / Environmental Complete and document a elies unvey or assessment of the dot plan for all construction advides exportanties, TR-55 initial water storage capacity of the site (or local equivalent LeeD PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide LeeD PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide LeeD PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide LeeD PM 11/19/2021: Item noted as required by UBC	
Y Sp1 Construction Activity Pollution Prevention Y Cull Engineer / GC Construction Agency (EPA) Construction Agency (EPA	
Image: Section 1 Site Assessment 1 Image: Section 2 Complete and document a les un-your assessment 1* that includes the following information: LED PM 11/192021: Item noted as required by UBC LEED Image: Ima	
1 SSc1 Ste Assessment 1 Civil / Environmental Cimits construction responder userules, spore statulity risks. Sin programmentation responder provide the statulity of the statulity of the statulity responder to the respo	
 SSc1 Ste Assessment SSc1 Ste Assessment Civi / Environmental Civi / Envi / Environmental<!--</td--><td></td>	
1 SSc1 Ste Assessment 1 Civit / Environmental Civit /	
Image: Construction Resources Construction resources on the part of the construction and the	
standards may be used for projects outside the U.S.). Human used for projects outside the U.S.). Human use Views. addiacent proceedings. construction materials with existing recycle or reuse colential. Preserve and protect from all development and construction activity 40% of the greenfield area on the site (if such areas exist). LANDS 128/0221: Landscape-credit is likely less achievable and	
Phrane Lass Carlos Alacént la association mana la development and a construction and virge accent ta association construction and virge accent association and virge accenter associating accenter associatio	
2 Site Development: Protect or Restore Habitat 1-2 Landscare Archited / Owner should remain under investigation	
OPTION 1. ONE 7 RESTORATION (2 POINTS EXCEPT HEALTHCARE, 1 POINT HEALTHCARE) POINT HEALTHCARE I POINT HEALTH	
On-Site Restoration 2 area ratio may include vegetated roof surfaces in this calculation if the plants are native or adapted, provide habitat, and promote biodiversity. Implementation Guide. Preliminary analysis shows insufficient space	
Financial Support 1 Restore all distuited or compacted soils that will be revegedated within the project development footprint to meet the following requirements "2 : on site. To be confirmed.	
Provide outdoor space greater than or equal to 30% of the total site area (including botyrint). A minimum of 25% of that outdoor space must be vegetated (turf grass does LANDS 12/92/021: Open space should be achievable depending	
1 SS:3 Open Space 1 Landscape Architet not count as vegetation) or have overhead vegetated canopy. LEED project site boundary. LANDS to confirm eva	lable open and vegetated spaces
The nultifory space must be physically accessible and be one or more of the following:	
OPTION 1. PERCENTLE OF RAINFALL EVENTS LEED PM 11/1920/21.2 Is noted as required by UBC LEED OF CMI/Landscape Architect / Data / Landscape Architect / Data / Lan	
2 1 Solv training management 29 Mechanical Engineer Mechanical Engineer Mechanical Engineer In Ammuno test replication natural site hydrology processes, manage on site the rundf from the developed site for the 95th percentile of regional or local rainfall events using low-	
95th Percentile 2 impact development (LID) and green infrastructure.	
98th Percentile or Zero Lot Line or Natural Land Cover Conditions 3 Use any rankal ada and the memorology in the U.S. Environmental Protection Agency (EVA) leformation (Security Environmental Protection (Securit	
Choose one of the following options: UBC 128/2021: TPO cond can be provided, lesser embodied carbon	
2 SS:5 Heat Island Reduction 1:2 Archited / Landscape Archited / Landsca	
LEED PM 11/192021: Credit achievable based on hardscape and	
rouitoux aiu noot 2 Nonroot measures dereixin on tanterial or install nants that movide shade over navina areas (inclution plavmounds) on the site within 10 years of planting. Install weetated danters Plants	
A sing order over i order to every prime transfer or the space or prime transfer order order to prime grant and	
1 SSc6 Light Pollution Reduction 1 Landscape Architet/Lighting for uplight and light trespass. Implementation Guide	
Les fiese requirements for all avaiors (uninsings located inside the provide housed) hered on the following:	
5 3 3 Water Efficiency Possible Points: 11 KESPONSIBILI IT LEED Requirement Notes	Actions
Reduce outdoor water use through one of the following options. Nonvegetated surfaces, such as permeable or impermeable pavement, should be excluded from landscape area See WEc1	
Y Utbody Water Use Reduction: JUPs Y Landscape Architect cleds and playgrounds (if vegetated) and food gardens may be included or excluded at the project team's discretion.	
Y WEp2 Indoor Water Use Reduction: 20% Y Mechanical Engineer BullLDING WATER USE See WEc2	
Y WER3 Building-level Water Melering Y Mehanisel Engineer	
new and a second s	
1 WEC1 Outdoor Water Use Reduction 1-2 Landscape Architect / Civil	
50% Reduction 1 OPTION 1. NO IRRIGATION RECUIRED	
100% Reduction / No Potable Water 2 OR Company and the transcope does not require a permanent ingation system beyond a maximum workyear estatistiment period.	
Further reduce future and fifting water use from the calculated baseline in WE Prenouisile Indoor Water Use Reduction Additional notable water savings can be earned above the UFED PM 1477/0007->34%, savings anticipated with following	
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer	
3 1 2 MEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer Prerequisite level using attracted attractings and follows and figures and filtings and follows and figures and filtings and follows and fo	
3 1 2 WEC2 Indoor Water Use Reduction 1 5 Mechanical Engineer prerequisite level using alternative water sources. Include fixtures and fittings and closures may be outside in fixtures may be outside in fixtures may be outside fixtures and fittings and closures may be outside in fixtures and fittings and closures may be outside in fixtures and fittings and closures may be outside in fixtures and fittings and closures may be outside in fixtures and fittings and closures may be outside in fixtures and fittings and closures may be outside in fixtures and fittings and closures fixtures and fittings and closures fixtures and fittings and closures may be outside in fixtures and fittings and closures fixtures and f	
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer prerequisite level using alternative water sources. Include fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside fix fourtains may be cutside fittings and fixtures may be cutside fittings and fi	
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer prerequisite level using alternative water sources. Include fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. Include fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. The meet sources. Include fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. The meet sources. Include fixtures may be cutside that the mark sources. The meet sources is not one analysis and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. The meet sources is not one analysis and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. The meet sources is not one analysis and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. The meet sources is not one analysis and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be cutside that the mark sources. The meet sources is not one analysis and fittings nocessary to meet the needs of the occupants. Some of these fittings and fittings a	
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer prerequisite level using alternative water sources. Indude fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be outside the Showers - 5.7 LPM. flow alter Use Reduction in the Integrating alternative water sources. Indude fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be outside the Showers - 5.7 LPM. flow alter Use Reduction in the Integrating alternative water sources. Indude fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be outside the Showers - 5.7 LPM. flow alter Use Reduction in the Integrating alternative water sources. Indude fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be outside the Showers - 5.7 LPM. 3/6 Reduction 2 Install equipment within the project scope that meets the minimum requirements in Table 2, 3.4, or 5. One point is awarded for meeting all applicable requirements in any one table. ARCH 12/9/2021- project will have gender-neutral washrooms. 3/6 Reduction 3 40% Reduction 5 5 5 6 6	
3 1 2 WEC2 Indoor Water Use Reduction 1-5 Mechanical Engineer prerequisible livel using alternative water sources. Include fotures and fittings and cleares may be outside the flowrates. WC - 42 / 3 LPF; Lass - 1.3 LPM, Kitchen - 5.7 LPM, 3 1 2 Mec2 Indoor Water Use Reduction 1 prerequisible livel using alternative water sources. Include fotures and fittings and cleares may be outside the flowrates. WC - 42 / 3 LPF; Lass - 1.3 LPM, Kitchen - 5.7 LPM, 3/5 7/5 3/5 6 Intensity apprecipation and project boundary (for New Construction). ARCH 129/2021- project will have gender-neutral waterhoors. 3/5 7/5 4/5 6 Intensity apprecipation and project boundary (for New Construction). ARCH 129/2021- project will have gender-neutral waterhoors. 4/5 7/5 Reduction 4 Intensity apprecipation and project boundary (for New Construction). ARCH 129/2021- project will have gender-neutral waterhoors. 4/5 7/5 Reduction 6 Intensity apprecipation and project boundary. ARCH 129/2021- Flow for Natures seem reasonable based on other UBC projects 0 5/5 Feduction 6 Intensity apprecipation and project boundary. ARCH 129/2021- Flow for Natures seem reasonable based on other UBC projects	
3 1 2 WEC2 Indoor Water Use Reduction 1-5 Mechanical Engineer prerequisible level using alternative water sources. Include fotures and fitings and cleares may be cutside for the occupants. Some of these fittings and fibures may be cutside for Sinvers - 5.7 LPM. Indoor Water Use Reduction - 5.7 LPM.	for ACP to be determined
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer prerequisible level using alternative valar sources. Include findures and fitings anciessary to meet the needs of the occupants. Some of these fittings and fidures may be outside the Showers - 5.7 LPM. flow rates: WC - 4.2 /3 LPF, Takes - 1.3 LPM, Kitchen - 5.7 LPM. 25% Reduction 1 1 Install equipment within the project scope that meets the minimum requirements in Table 2, 3, 4, or 5. One point is awarded for meeting all applicable requirements in any one table. ARCH 129/2021- project will have gender-neutral washrooms. 40% Reduction 4 1 1 For cooling towers and evaporative condensers, conduct a one-time polable water analysis, in order to optimize cooling tower cycles. Measure at least the five control parameters ARCH 129/2021- Flow for dow fadures seem reasonable based on other UBC projects 1 WEc3 Cooling Tower Water Use For cooling towers and evaporative condensers, conduct a one-time polable water analysis, in order to optimize cooling tower cycles. Measure at least the five control parameters LEED PM 2117/2022: ACP criteria less likely since project < 150.000	I for ACP to be determined
3 1 2 Mcc Indoor Water Use Reduction 1-6 Mechanical Engineer precusible level using alternative water sources. Include fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be outside the trans tapes (for Commercial Interiors) or project coundary (for New Construction). Showers - 57 LPM. 25% Reduction 1 1 Install equipment within the project scope that meets the minimum requirements in Table 2, 3, 4, or 5. One point is awarded for meeting all applicable requirements in any one table. ARCH 1292021: project will have gender-neutral washrooms. 3/% Reduction 4 4 All applicable equipment listed in each table must meet the standard. ARCH 1292021: project will have gender-neutral washrooms. ARCH 1292021: project will have gender-neutral washrooms. 4/% Reduction 5 -	I for ACP to be determined
3 1 2 MEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer precupiable level using alternative water sources. Include fixtures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fixtures may be obtained in the sources of these fittings and fixtures may be obtained in the sources of these fittings and fixtures may be obtained in the sources of these fittings and fixtures may be obtained in the sources of these fittings and fixtures may be obtained in the sources of these fittings and fixtures may be obtained in the sources of these fittings and fixtures may be obtained in the sources of the	i for ACP to be determined
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer precquisite level using allerable water sources. Include fotures and fitings and sources my be cutside the trans tapes (fr Commercial Interiors) or project boundary (for New Construction). Indoor Water Use Reduction 1 Precquisite level using allerable water sources. Include fotures and fitings and sources my be cutside the trans tapes (fr Commercial Interiors) or project boundary (for New Construction). Indoor Water Use Reduction ARCH 129/2021 - project will have gender-neutral waternoors. 20% Reduction 4	s for ACP to be determined
3 1 2 WEC2 Indoor Water Use Reduction 1-6 Mechanical Engineer precupiable level using alterative water sources. Include fidures and fiting an occessary to meet the needs of the occupants. Some of these fittings and fidures may be cutside the ternet space (for Commercial Interiors) or project boundary (for New Construction). Showers - 5.7 LPM. 3/1 2/5% Reduction 1 precipiable level using alterative water sources. Include fidures and fittings nocessary to meet the needs of the occupants. Some of these fittings and fidures may be cutside the ternet space (for Commercial Interiors) or project boundary (for New Construction). Showers - 5.7 LPM. 3/5% Reduction 2 Interact space (for Commercial Interiors) or project boundary (for New Construction). ARCH 129/2021- project will have gender-neutral washrooms. 4/0% Reduction 4 Arch 129/2021 - project will have gender-neutral washrooms. MECH 129/2021- Flow (tow fidures seem reasonable based on other UBC projects 1 VEc3 Cooling Tower Water Use 12 Mechanical Engineer For cooling tower space conting tower space conting tower cycles. Measure at least the five control parameters to the actual concentration level of each parameter by the actual concentration level of each parameter by the actual concentration level of each parameter for more the filterate space area. Calculate the number of cooling tower cycles. In water spaces area. Calculate the number of cooling tower cycles to water analysis, in or project stower and theact parameters. In stall permanet MECH	s for ACP to be determined
3 1 2 Mccan 1-6 Mccancial Engineer prerequisite level using alternative water sources. Include findures may be cutside the fittings and fittings	s for ACP to be determined

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	15	10 5 3	Energy +	Atmosphere	Possible Points:	33	RESPONSIBILITY	LEED Requirement	Notes	Actions
+	+ +	?								
	Y		EAp1	Fundamental Commissioning a	and Verification	Y	Owner / Commissioning Agent	COMMISSIONING PROCESS SCOPE Complete the following commissioning (Cx) process activities for mechanical, electrical, plumbing, and renewable energy systems and assemblies, in accordance with ASHRAE	See EAc1	
	Y		EAp2	Minimum Energy Performance)	Y	Energy Modeler	OPTION 1. WHOLE-BUILDING ENERGY SIMULATION	See EAc2	
	Y		EAp3	Building-Level Energy Metering	g	Y	Mechanical + Electrical Engineers	Install new or use existing building-level energy meters, or submeters that can be aggregated to provide building-level data representing total building energy consumption (electricity, natural gas, chilled water, steam, fuel oil, progane, biomass, etc.). Utility-owned meters capable of aggregation building-level resource use are acceptable.	See EAc3	
	Y		EAp4	Fundamental Refrigerant Man	agement	Y	Mechanical Engineer	Do not use chlorofluorocarbon (CFC)-based refrigerants in new heating, ventilating, air-conditioning, and refrigeration (HVAC&R) systems. When reusing existing HVAC&R equipment, complete a comprehensive CFC phase-out conversion before project completion. Phase-out plans extending beyond the project completion date will be considered on	See EAc6	
	4	2	EAc1	Enhanced Commissioning		2-6	Owner / Commissioning Agent	Implement, or have in place a contract to implement, the following commissioning process activities in addition to those required under EA Prerequisite Fundamental Commissioning and Verification	UBCPT12/9/2021: Alberto of Kane Consulting is doing commissioning	
					Eshared Ou			Commissioning authority	commonormig.	
					Enhanced Cx	3		The CxA must have documented commissioning process experience on at least two building projects with a similar scope of work. The experience must extend from early design	LEED PM 11/19/2021: 4 pts noted as required by UBC LEED	
				Enha	anced & Monitoring-Based Cx	4		phase through at least 10 months of occupancy;	Implementation Guide	
_					Envelope Cx	2		The CxA may be a qualified employee of the owner, an independent consultant, or a disinterested subcontractor of the design team.		
	10	5 3	EAc2	Optimize Energy Performance		1-18	Energy Modeler	Establish an energy performance target no later than the schematic design phase. The target must be established as kBlu per square foot-year (kW per square meter-year) of source energy use.	LEED PM 11/19/2021: 10 pts noted as required by UBC LEED Implementation Guide	
			6% Reducti	ion 1	24% Reduction	10		Choose one of the options below.		
			8% Reducti	ion 2	26% Reduction	11		OPTION 1. WHOLE-BUILDING ENERGY SIMULATION Analyze afficiency assessment during the design process and account for the result in design decision making. Use energy simulation of efficiency computurities net energy simulation		
			10% Reducti	ion 3	29% Reduction	12		Plating entitlening in expansion process and account on the results in each manage. Use entity antibated or encercy opportunities, past energy antibated analyses for similar buildings or published data (e.g. Advanced Ferrary Design declaration advanced plate buildings).		
			12% Reducti	ion 4	32% Reduction	12		Analyze efficiency measures, focusing on load reduction and HVAC-related strategies (passive measures are acceptable) appropriate for the facility. Project potential energy savings		
			14% Reducti	on F	32% Reduction	14		and holistic project cost implications related to all affected systems.		
			14 /6 Reducti	un 5	33% Reduction	14		Project teams pursuing the Integrative Process credit must complete the basic energy analysis for that credit before conducting the energy simulation.		
			16% Reducti	01 b	38% Reduction	15		Follow the criteria in EA Prerequisite Minimum Energy Performance to demonstrate a percentage improvement in the proposed building performance rating compared with the		
			18% Reducti	ion 7	42% Reduction	16		Daseline. Points are awaroed according to Table 1.		
			20% Reducti	ion 8	46% Reduction	17				
_			22% Reducti	ion 9	50% Reduction	18		OPTION 2. PRESCRIPTIVE COMPLIANCE: ASHRAE ADVANCED ENERGY DESIGN GUIDE (1–6 POINTS)		
								Install advanced energy metering for the following:	LEED PM 11/19/2021: Item noted as required by UBC LEED	
			F 1 0	Advanced Energy Matering				all whole-building energy sources used by the building; and	Implementation Guide	
	1		EAC3	Advanced Energy wetening		1	Mechanical Engineer	any nonnouse energy end uses that represent 10% or more of the total annual consumption of the during. The advanced exercity explanation must be the full full which characteristics		
								The autoinced energy metering much are to owing characterialice.		
								Design building and equipment for participation in demand response programs through load shedding or shifting. On-site electricity generation does not meet the intent of this credit.	MECH 12/9/2021: Demand response should be a coordinated effort	MECH to confirm if their scope of work includes compliance with this
		1 1	EAc4	Demand Response		1-2	Mechanical Engineer	CASE 1. DEMAND RESPONSE PROGRAM AVAILABLE	between Mech and Elec. It should be achievable at a relatively low	credit
					DR Program Available	2		Participate in an existing demand response (DR) program and complete the following activities.	upfront capital cost.	
					DR Program Not Available	1		Design a system with the capability for real-time, fully-automated DR based on external initiation by a DR Program Provider. Semi-automated DR may be utilized in practice. Early in a minimum energy PB prediction and any end of the second and the prediction and the schedule of the initiation of the schedule of the millinear reserved for at least 10% of the	LEED BM 11/10/2021: Item noted as required by LIBC LEED	
								Enrorma intermentation of even by participatoria andom contractata commentaria qualitation of program provider, with the following examples retrewal, for a reask to a or the Use renewable energy with the following examples.	LEED PM 11/19/2021: Item noted as required by UBC LEED	
		1 2	EAc5	Renewable Energy Production	1	1-3	Owner / PV Designer	% renewable energy = Equivalent cost of usable energy produced by the renewable energy system / Total building annual energy cost	Implementation Guide. Relates to biomass portion of DES.	
					1% Renewable Energy	1		Use the building's annual energy cost, calculated in EA Prerequisite Minimum Energy Performance, if Option 1 was pursued; otherwise use the U.S. Department of Energy's		
					F// Descuela Coordy			Commercial Buildings Energy Consumption Survey (CBECS) database to estimate energy use and cost.		
					5% Renewable Energy	2		The use of solar gardens or community renewable energy systems is allowed if both of the following requirements are met.		
_					10% Renewable Energy	3		The project owns the system or has signed a lease agreement for a period of at least 10 years.		
								OPTION 1. NO REFERENCES OR LOW-IMPACT REFRIGERANTS De and the preference or use and undergrade descented according to a second deviction and a debat warming patential (CMP) of lang	MECH 12/9/2021: Main ASHP should meet credit however there is a single dehumidisation requirement which may require a split unit and	
		1	EAc6	Enhanced Refrigerant Manage	ement	1	Mechanical Engineer	bio not use reinigerantis, or use only reinigerantis (naturally occurring or synthetic) that have an ozone depletion potential (ODP) or zero and a global warning potential (GWP) or less than 50	impact credit achievement	AME to produce refrigerant calculation when required
								OR CONTRACTOR		
		2	FAc7	Green Power and Carbon Offs	sets	1.2	Owner / Sustainability	Engage in a contract for qualified resources that have come online since January 1, 2005, for a minimum of five years, to be delivered at least annually. The contract must specify the	LEED PM 11/19/2021: Credit to be used a s backup option.	
			L. W.				Consultant	provision of at least 50% or 100% of the projects energy from green power, carbon offsets, or renewable energy certificates (RECs).		
					50%	1		Green power and RECS must be Green-e Energy certained or the equivalent. [Europe ACP: Green Power] [South America ACP: Green Power] RECS can only be used to mitigate the affects of Scong 2 electricity use		
					100%	2		energe a begin z, anonien aus.		

	7	1	5	Materials	S + Resources Possible Points:	13	RESPONSIBILITY	LEED Requirement	Notes	Actions
++	+	? -								
	Y			MRp1	Storage and Collection of Recyclables	Y	Architect	Provide dedicated areas accessible to waste haulers and building occupants for the collection and storage of recyclable materials for the entire building. Collection and storage areas may be separate locations. Recyclable materials must include mixed paper, corrugated cardboard, glass, plastics, and metals. Take appropriate measures for the safe collection, storage, and disposal of two of the following: batteries, mercury-containing lamps, and electronic waste.	ARCH 12/9/2021: Waste is being consolidated in the existing building. Discussions have been had concerning the collection and conveyance of materials	
	Y			MRp2	Construction and Demolition Waste Management Planning	Y	Contractor	Develop and implement a construction and demolition waste management plan: Establish waste diversion goals for the project by identifying at least five materials (both structural and nonstructural) targeted for diversion. approximate a percentage of the overall project waste that these materials represent. Specify whether materials will be sparated or commingled and describe the diversion strategies planned for the project. Describe where the materials will be taken and how the		
	3		2	MRc1	Building Life-Cycle Impact Reduction	2-5	Architect / Interior Designer / LCA Consultant	Demonstrate reduced environmental effects during initial project decision-making by reusing existing building resources or demonstrating a reduction in materials use through life- cycle assessment. Achieve one of the following options.	UBCPT12/9/2021: Use of TPO roof over torch-on asphalt roof (for heat island credit) should be rationalized using LCA (leveraging	Additional scope for LCA to be resolved
					Historic Building Reuse	5	+ Contractor	OPTION 1. HISTORIC BUILDING REUSE (5 POINTS) Maintain the aveints publicly and interior postructural alaments of a historic building or contributing huilding in a historic district. To qualify the huilding or bistoric	carbon saving to get the measure in).	
					Renovation of Abandoned or Blighted Bldg.	5		manutine bised of eligible for isling in the local state, or national resister of historic classes. Do not demoke have not of a historic building or contributing output in the local state, or national resister of historic classes.	LEED PM 11/19/2021: 3 pts noted as required by UBC LEED	
					Building & Material Reuse (25%, 50%, 75%)	2-4		district unless it is deemed structurally unsound or hazardous. For buildings listed locally, approval of any demolition must be granted by the local historic preservation review board.	Implementation Guide. Credit may result in additional scope.	
					Whole-Building Life-Cycle Assessment	3		For buildings listed in a state register or the U.S. National Register of Historic Places (or local equivalent for projects outside the U.S.), approval must appear in a programmatic		
	1		1	MRc2	Building Product Disclosure & Optimization: Environmental Product Declarations	1-2	Architect / Interior Designer / Contractor	Achieve one or more of the options below, for a maximum of 2 points. OPTION 1. ENVIRONMENTAL PRODUCT DECLARATION (EPD) (1 POINT)	LEED PM 12/9/2021: Based on previous project experience, getting 1 point from material EPDs is fairly achievable.	
					Manufacturer EPD	1		Use at least 20 different permanently installed products sourced from at least five different manufacturers that meet one of the disclosure criteria below.		
					50% Multi-Attribute Optimization	1		Product-specific decaration. Products with a nublicly available, critically reviewed life, unle assessment conformion to ISO 14044 that have at least a crafte to nate score are valued as one nuarter (1/4) of a		
	1		1	MRc3	Building Product Disclosure & Optimization: Sourcing of Raw Materials	1-2	Architect / Interior Designer / Contractor	OPTION 1. RAW MATERIAL SOURCE AND EXTRACTION REPORTING (1 POINT) Use at least 20 different permanently installed products from at least five different manufacturers that have publicly released a report from their raw material suppliers which include	LEED PM 11/19/2021: 1 pt noted as required by UBC LEED Implementation Guide	
					Manufacturer CSR	1		raw material supplier extraction locations, a commitment to long-term ecologically responsible land use, a commitment to reducing environmental harms from extraction and/or manufacturing processor, and a commitment to many tendencing a commitment to reducing environmental harms from extraction and/or manufacturing processor, and a commitment to many tendencing a commitment to reducing environmental harms from extraction and/or manufacturing processor.		
					25% Leadership Extraction Practices	1		manuacum processes, and a communent to meeting approace stations or programs voluntary inter activities technical source stationaries and a commune source and commune sources responsible sources and commune sour		
		1	1	MRc4	Building Product Disclosure & Optimization: Material Ingredients	1-2	Architect / Interior Designer / Contractor	OPTION 1. MATERIAL INGREDIENT REPORTING (1 POINT) Use at least 20 different germanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the		
					Manufacturer Material Ingredient Reporting	1		product to at least 0.1% (1000 ppm). Manufacture lawates: The manufactures has sublished excelent isolates for the mediat following these sublishes:		
					25% Material Ingredient Optimization	1		wanaacuter menory intermaniacuter has positive compare content internory on the product information greed guidemes. A publick available inventory of all increations identified by name and Chemical Abstract Service Resistration Number (CASRN)		
					25% Product Manufacturer Supply Chain Optimization	1		Materials defined as trade secret or intellectual property may withhold the name and/or CASRN but must disclose role, amount and hazard screen using either:		
	2			MRc5	Construction & Demolition Waste Management	1-2	Contractor	Recycle and/or salvage nonhazardous construction and demolifion materials. Calculations can be by weight or volume but must be consistent throughout. Exclude excavated soil, land-clearing debris from calculations. Include materials destined for alternative daily cover (ADC) in the calculations as waste (not diversion). Include wood	LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide	
					Diversion (50%, 75%)	1-2		waste converted to tuel (bio-tuel) in the calculations; other types of waste-to-energy are not considered diversion for this credit. However, for provider, that is another and credit requirements using ranks and reporting methods, waste to energy useres must be providered waste diversion if the European		
					Reduction of Total Waste Material	2		reverse, or projects and campon needs requirements dang reuse and recycling mandots, waster-the-filligly systems may be considered waster durers when it is conjugation of the conjugati		

11	1	5	Indoor E	nvironmental Quality Possible Points:	16	RESPONSIBILITY	LEED Requirement	Notes	Actions
++ +	?							1000	
Y			IEQp1	Minimum IAQ Performance	Y	Mechanical Engineer	Meet the requirements for both ventilation and monitoring.	MECH 12/9/2021: Airflows will be monitored	AME to confirm monitoring of OA when available
Y			IEQp2	Environmental Tobacco Smoke (ETS) Control	Y	Owner / Architect / Interior Designer	Prohibit smoking inside the building. Prohibit smoking outside the building except in designated smoking areas located at least 25 feet (7.5 meters) from all entries, outdoor air intakes, and operable windows. Also prohibit smoking outside the property line in spaces used for business purposes.		
2			IEQc1	Enhanced Air Quality Strategies	1-2	Mechanical Engineer / Architect	If the nonunement is continue anounce within A: see Lr. 5, means a control na movement in necessite a coord na nonunementation definite a coord na nonunementation or mass requirements. OPTION 1: EMNANCEI IAQ STRATEGIES: Comply with the following requirements, as applicable. Mechanically ventilated spaces:	ARCH 12/9/2021: primary entrance with roll away mat can be provided for one of the new entrances.	AME to identify densely occupied spaces
				Enhanced IAQ Strategies	1		A entryway systems; B. interior cross-contamination prevention; and C. Etraction	MECH 12/9/2021- Special exhaust, and MERV 13 filtration	
				Additional Enhanced IAQ Strategies	1		C. Initiality - Initiality - Spaces. Naturally ventificated spaces. D. natural ventification design calculations.	does not expect many additional spaces in need of the CO2 monitors.	ARCH to confirm primary entrances and entryway systems existin new building
3			IEQc2	Low-Emitting Materials	1-3	Architect / Interior Designer / Contractor	This credit includes requirements for product manufacturing as well as project teams. It covers volatile organic compound (VOC) emissions in the indoor air and the VOC content of materials, as well as the testing methods by which indoor VOC emissions are determined. Different materials must meet different requirements to be considered compliant for this	LEED PM 11/19/2021: 3 pts noted as required by UBC LEED Implementation Guide	
				Paints, Coatings, Adhesives + Sealants ADD Composite Wood + Flooring	1 2		credit. The building interior and exterior are organized in seven categories, each with different thresholds of compliance. The building interior is defined as everything within the waterproving membran. The building exterior is defined as everything outside and inclusive of the primary and secondary weatherproofing system, such as waterproofing membranes and air- and water-resistive barrier materials.		
1			IEQc3	Construction IAQ Management Plan	1	Contractor	Develop and implement an indoor air quality (IAQ) management plan for the construction and preoccupancy phases of the building. The plan must address all of the following.	LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide. Is standard practice. No issue anticipated	
2			IEQc4	Indoor Air Quality Assessment	1-2	Owner / Mechanical Engineer / Contractor	Select one of the following two options, to be implemented after construction ends and the building has been completely cleaned. All interior finishes, such as millwork, doors, paint, carpet, accustic files, and movable furnishings (e.g., workstations, partitions), must be installed, and major VOC punch list items must be finished. The options cannot be combined.	UBCPT12/9/2021: Testing likely to be pursued.	
		<u> </u>		Flush-Out Air Testing	1 2		OPTION 1. FLUSH-OUT (1 POINT) PATH 1. BEFORE OCCUPANCY Install and ifference media and notices a builden flush-out bu suppliers attal air volume of 14 000 rubic feet of outdoor air per enuare foot (4 257 140 litere of outdoor air per enuare	LEED PM 11/19/2021: 1 pt noted as required by UBC LEED Implementation Guide	
				•		Mechanical Engineer	matin the matin media and both themat confort design and themat confort control. More the residue does need to be space to be space to be thematical and themat confort control.	MECH 12/9/2021: ASHRAE 55.1 is achievable, No open office	
1			IEQc5	Thermal Comfort	1		THERMAL COMFORT DESIGN	space. Building is either private office or shared lab spaces. Meeting controllability should not be an issue	AME to confirm if credit is achievable when appropriate
							OPTION 1. ASHRAE STANDARD 55-2010	LEED PM 11/19/2021: Item noted as required by UBC LEED Implementation Guide. Aligns with Project's lab use as well	
1		1	IEQc6	Interior Lighting	1-2	Lighting Designer	Select one or both of the following two options.	ELEC 12/9/2021: Lighting will be zoned similar to mechanical. Lights will be continually dimmable provided required level of control.	
				Lighting Control Lighting Quality	1 2		For at least 90% of individual occupant spaces, provide individual lighting controls that enable occupants to adjust the lighting to suit their individual tasks and	LEED PM 11/19/2021: Credit achievable, aligns with project's lab use as well.	
		3	IEQc7	Daylight	1-3	Daylighting Consultant	Provide manual or automatic (with manual override) glare-control devices for all regularly occupied spaces. Select one of the following treve options. OPTION 1. SIMULATION: SPATIAL DAYLIGHT AUTONOMY (2-3 POINTS. 1-2 POINTS HEALTHCARE)	LEED PM 11/19/2021: Credit historically difficult to achieve and would require add fee.	
				Simulation: Spatial Daylight Autonomy (55%	2-3		Demonstrate through annual computer simulations that spatial daylight autonomy300/50% (sDA300/50%) of at least 55%, 75%, or 90% is achieved. Use regularly occupied floor		
				Simulation: Illuminance Calculations (75%,	1-2		area. Healthcare projects should use the perimeter area determined under EQ Credit Quality Views. Points are awarded according to Table 1.		
				Measurement (75%, 90%)	2-3		ANU Advisus a direct line of sight to the autolesce via vision design for 75% of all conversion floor area	ADCH 12/0/2021: Cradit should ashigushia. There are some holes:	
1			IEQc8	Quality Views	1	Architecture	Parente a unext me or signs to ne sources are recording on 1 or on an eguenty coupled 1007 after. View glazing in the contributing area must provide a clear image of the exterior, not obstructed by firits, fibers, patterned glazing, or added tints that distort color balance.	grade spaces which are not permitted to have windows but otherwise should be achievable. Arch will take reasonability for documentation of the credit.	Intg Sust to provide example of the diagram / views exercise
							Additionally, 75% of all regularly occupied floor area must have at least two of the following four kinds of views:	LEED PM 11/19/2021: Credit historically achievable, ARCH to	
		1	IEQc9	Acoustic Performance	1	Acoustic Consultant	For all occupied spaces, meet the following requirements, as applicable, for HVAC background noise, sound isolation, reverberation time, and sound reinforcement and masking.	LEED PM 11/19/2021: Credit historically difficult to achieve and would require add fee.	

	6			Innovatio	on + Design Process Possible Points:	6	RESPONSIBILITY	LEED Requirement	Notes	Actions
+-	• +	? -								
	1			IDc1.1	Innovation: Occupant Comfort Survey	1	TBD	Administer one occupant comfort survey to collect anonymous responses regarding at least the following: acoustics; building cleanliness; indoor air quality, lighting; thermal comfort. The responses must be collected from a representative sample of building occupants making up at least 30% of the total occupants. Document survey results. Develop and	2020-10-15 UBCPT: Operations-based items are acceptable	
	1			IDc1.2	Innovation Pilot: Bird Collision Deterrence	1	TBD	Implement a lighting purchasing plan that specifies an overall building average of 70 picograms of mercury per lumen-hour or less for all mercury-containing lamps purchased for the building and associated grounds within the project boundary. Include lamps for both indoor and outdoor fixtures, as well as both hard-wired and portable fixtures. Lamps containing no	UBCPT 12/9/2021: Do not use Fritted Glass for Bird Collision Deterrence, use some narrative around window orientation and	
	1			IDc1.3	Innovation Pilot: All Gender Washrooms	1	TBD	To Be Revised based off selected Pilot credit.	ARCH 12/9/2021: Project will provide gender neutral washrooms	
	1			IDc1.4	Exemplary Performance: Access to Quality Transit	1	TBD	Double Base Requirement	2020-10-15 IG: Item noted as required by UBC LEED Implementation Guide	
	1			IDc1.5	Exemplary Performance: Construction Waste Management	1	TBD	Meet highest Diversion and Reduction targets	2020-10-15 IG: Item noted as required by UBC LEED Implementation Guide	
	1			IDc2	LEED [™] Accredited Professional	1	Sustainability Consultant	At least one principal participant of the project team must be a LEED Accredited Professional (AP) with a specialty appropriate for the project.	2020-10-15 IG: Item noted as required by UBC LEED Implementation Guide	
	2	2		Regiona	I Priority Credits Possible Points:	4	RESPONSIBILITY	LEED Requirement	Notes	Actions
+-	+	? -								
	1			RPc1.1	Regional Priority: Optimize Energy (10 pts)	1	Sustainability Consultant	Enhanced Commissioning (5 pts)		

2 2				Regiona	I Priority Credits Possible Points:	4	RESPONSIBILITY		LEED Requirement	Notes	Actions
	1	<u>r</u>		RPc1.1	Regional Priority: Optimize Energy (10 pts)	1	Sustainability Consultant	Enhanced Commissioning (5 pts)			
		1		RPc1.2	Regional Priority: Enhanced Commissioning (5 pts)	1	Sustainability Consultant	Building Life-Cycle Impact Reduction (3 pt) Rainwater Management (2 pt)		2020-10-15 IG: 4 pts noted as required by UBC LEED	
	1			RPc1.3	Regional Priority: Building Life-Cycle Impact Reduction (3 pts	1	Sustainability Consultant	Outdoor Water Use Reduction (2 pt) Indoor Water Use Reduction (4 pt)		Implementation Guide	
		1		RPc1.4	Regional Priority: Rainwater Management - 2 Pts	1	Sustainability Consultant				

63 19 14 14 Total Possible Points: 110 Certified: 40 to 49 points Silver: 50 to 59 points Gold: 60 to 79 points Platinum: 80 to 110