

SUSTAINABILITY

The QMI has been registered with the CAGBC and will be pursuing certification at the gold level. In addition to the normal best practices regarding materials and resources the team will be avoiding materials from the LBC's Red List.

The team's largest hurdle to overcome will be the energy consumption required for the process loads. There will be more certainty on this issue when the energy modeling process is completed. Key strategies the QMI team are working through with UBC include acceptable setbacks from the 10 ACH required by the Technical Guidelines in lab areas and a fume hood sash management program.

QMI will share a common mechanical plant with AMPEL. It's heat/cooling load will be satisfied with:

1. ventilation heat recovery
2. free cooling and cooling system heat recovery
3. heat recovery from AMPEL
4. supplemental heat from the District Energy System.

Yes	Yes ?	No ?	No	Project Totals (pre-certification estimates)			
54	33	23	0	Certified 40-49 points Silver 50-59 points Gold 60-79 points Platinum 80 points and above			
Yes	?	?	No	Sustainable Sites			
19	6	1	0	Prereq 1 Construction Activity Pollution Prevention			
1				Credit 1 Site Selection			
5				Credit 2 Development Density and Community Connectivity			
		1		Credit 3 Brownfield Redevelopment			
6				Credit 4.1 Alternative Transportation: Public Transportation Access			
1				Credit 4.2 Alternative Transportation: Bicycle Storage & Changing Rooms			
3				Credit 4.3 Alternative Transportation: Low-Emitting & Fuel-Efficient Vehicle			
	2			Credit 4.4 Alternative Transportation: Parking Capacity			
1				Credit 5.1 Site Development: Protect and Restore habitat			
	1			Credit 5.2 Site Development: Maximize Open Space			
1				Credit 6.1 Stormwater Design: Quantity Control			
	1			Credit 6.2 Stormwater Design: Quality Control			
1				Credit 7.1 Heat Island Effect: Non-Roof			
	1			Credit 7.2 Heat Island Effect: Roof			
	1			Credit 8 Light Pollution Reduction			
Yes	?	?	No	Water Efficiency			
4	0	6	0	Prereq 1 Water Use Reduction			
4				Credit 1 Water Efficient Landscaping			
		2		Credit 2 Innovative Wastewater Technologies			
		4		Credit 3 Water Use Reduction			
Yes	?	?	No	Energy & Atmosphere			
9	11	15	0	Prereq 1 Fundamental Commissioning of Building Energy Systems			
				Prereq 2 Minimum Energy Performance			
				Prereq 3 Fundamental Refrigerant Management			
	11	8		Credit 1 Optimize Energy Performance			
2		5		Credit 2 On-Site Renewable Energy			
2				Credit 3 Enhanced Commissioning			
2				Credit 4 Enhanced Refrigerant Management			
3				Credit 5 Measurement and Verification			
		2		Credit 6 Green Power			

Yes	?	?	No	Materials & Resources			
6	7	1	0	Prereq 1 Storage and Collection of Recyclables			
	3			Credit 1.1 Building Reuse: Maintain Existing Walls, Floors, and Roof			
	1			Credit 1.2 Building Reuse: Maintain Interior Non-Structural Elements			
2				Credit 2 Construction Waste Management			
	2			Credit 3 Materials Reuse			
2				Credit 4 Recycled Content			
		1		Credit 5 Regional Materials			
	1			Credit 6 Rapidly Renewable Materials			
				Credit 7 Certified Wood			
Yes	?	?	No	Indoor Environmental Quality			
9	6	0	0	Prereq 1 Minimum Indoor Air Quality Performance			
				Prereq 2 Environmental Tobacco Smoke (ETS) Control			
1				Credit 1 Outdoor Air Delivery Monitoring			
1				Credit 2 Increased Ventilation			
1				Credit 3.1 Construction IAQ Management Plan: During Construction			
1				Credit 3.2 Construction IAQ Management Plan: Before Occupancy			
1				Credit 4.1 Low-Emitting Materials: Adhesives and Sealants			
	1			Credit 4.2 Low-Emitting Materials: Paints and Coatings			
	1			Credit 4.3 Low-Emitting Materials: Flooring Systems			
	1			Credit 4.4 Low-Emitting Materials: Composite Wood and Agrifibre Products			
1				Credit 5 Indoor Chemical and Pollutant Source Control			
1				Credit 6.1 Controllability of System: Lighting			
	1			Credit 6.2 Controllability of System: Thermal Comfort			
	1			Credit 7.1 Thermal Comfort: Design			
	1			Credit 7.2 Thermal Comfort: Verification			
1				Credit 8.1 Daylight and Views: Daylight			
1				Credit 8.2 Daylight and Views: Views			
Yes	?	?	No	Innovation in Design			
5	1	0	0	Credit 1.1 Innovation in Design - Green Education Program			
1				Credit 1.2 Innovation in Design - Green Cleaning			
1				Credit 1.3 Innovation in Design - Acoustic			
1				Credit 1.4 Innovation in Design - Mercury free lighting			
	1			Credit 1.5 Innovation in Design			
1				Credit 2 LEED® Accredited Professional			
Yes	?	?	No	Regional Priority			
2	2	0	0	Credit 1 Durable Building			
1				Credit 2.1 Regional Priority Credit - SSc2 Development Density			
	1			Credit 2.2 Regional Priority Credit - Construction Waste Management MRc2			
	1			Credit 2.3 Regional Priority Credit			