

Building with purpose

L E E D® Canada - NC 1.0

GREEN BUILDING RATING SYSTEM

City of St. Albert Fire Station No. 3

CaGBC Project # 10615

March 18, 2011

40 **Points Achieved** — ***Gold Rating Achieved*** — **Possible Points: 70**

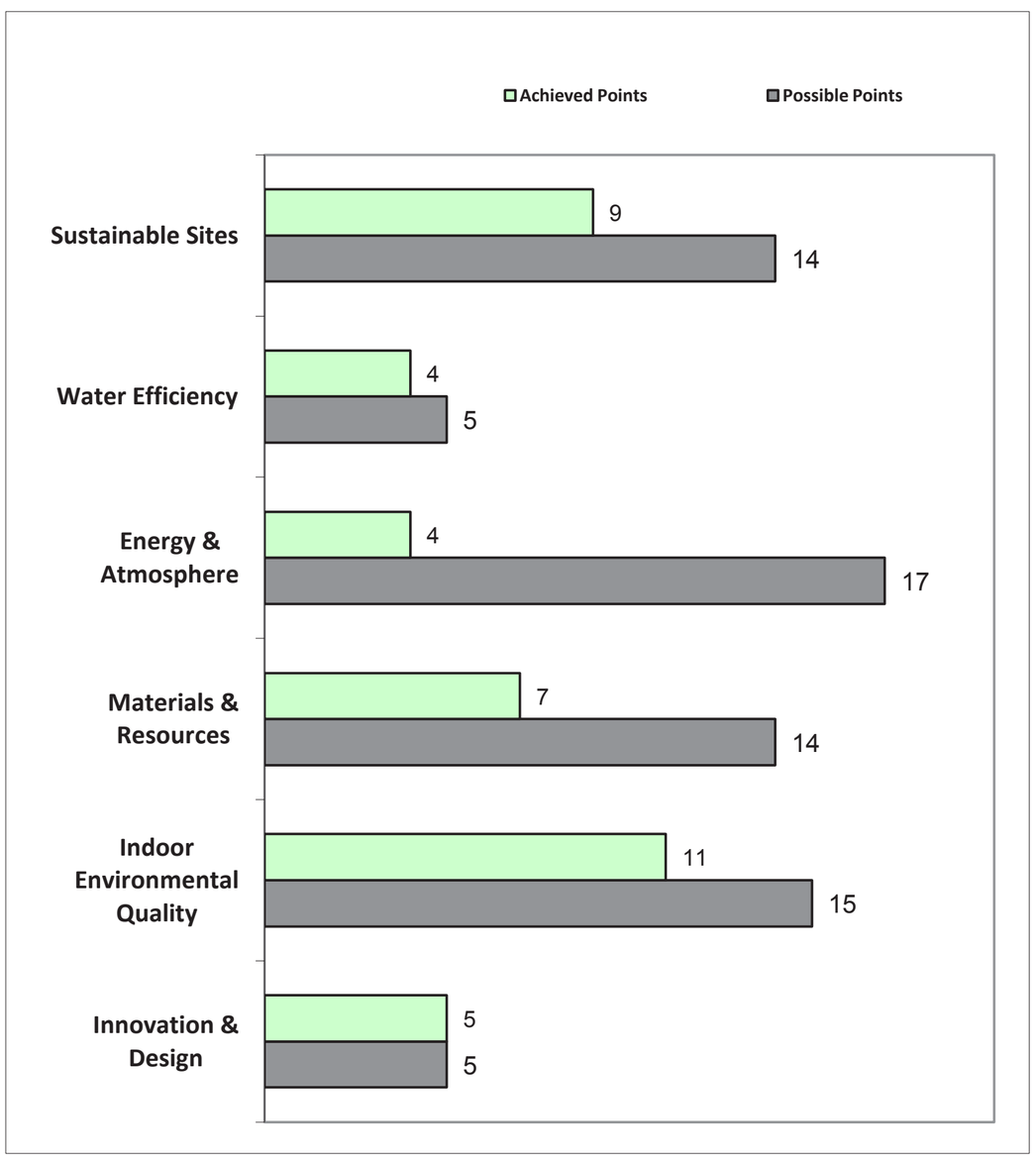
Certified 26-32 points **Silver** 33-38 points **Gold** 39-51 points **Platinum** 52-70 points

9 Sustainable Sites — Possible Points 14

Y	Prereq 1	Erosion & Sedimentation Control	Required
1	Credit 1	Site Selection	1
	Credit 2	Development Density	1
	Credit 3	Redevelopment of Contaminated Site	1
	Credit 4.1	Alternative Transportation, Public Transportation Access	1
1	Credit 4.2	Alternative Transportation, Bicycle Storage & Changing Rooms	1
	Credit 4.3	Alternative Transportation, Alternative Fuel Vehicles	1
1	Credit 4.4	Alternative Transportation, Parking Capacity	1
	Credit 5.1	Reduced Site Disturbance, Protect or Restore Open Space	1
1	Credit 5.2	Reduced Site Disturbance, Development Footprint	1
1	Credit 6.1	Stormwater Management, Rate and Quantity	1
1	Credit 6.2	Stormwater Management, Treatment	1
1	Credit 7.1	Heat Island Effect, Non-Roof	1
1	Credit 7.2	Heat Island Effect, Roof	1
1	Credit 8	Light Pollution Reduction	1

4 Water Efficiency — Possible Points 5

1	Credit 1.1	Water Efficient Landscaping, Reduce by 50%	1
1	Credit 1.2	Water Efficient Landscaping, No Potable Use or No Irrigation	1
	Credit 2	Innovative Wastewater Technologies	1
1	Credit 3.1	Water Use Reduction, 20% Reduction	1
1	Credit 3.2	Water Use Reduction, 30% Reduction	1



4 Energy & Atmosphere — Possible Points 17

Y	Prereq 1	Fundamental Building Systems Commissioning	Required
Y	Prereq 2	Minimum Energy Performance	Required
Y	Prereq 3	CFC Reduction in HVAC&R Equipment	Required
2	Credit 1	Optimize Energy Performance	1 to 10
	Credit 2.1	Renewable Energy, 5%	1
	Credit 2.2	Renewable Energy, 10%	1
	Credit 2.3	Renewable Energy, 20%	1
	Credit 3	Best Practice Commissioning	1
1	Credit 4	Ozone Protection	1
	Credit 5	Measurement & Verification	1
1	Credit 6	Green Power	1

7 Materials & Resources — Possible Points 14

Y	Prereq 1	Storage & Collection of Recyclables	Required
	Credit 1.1	Building Reuse: Maintain 75% of Existing Walls, Floors, & Roof	1
	Credit 1.2	Building Reuse: Maintain 95% of Existing Walls, Floors, & Roof	1
	Credit 1.3	Building Reuse: Maintain 50% of Interior Non-Structural Elements	1
1	Credit 2.1	Construction Waste Management: Divert 50% from Landfill	1
1	Credit 2.2	Construction Waste Management: Divert 75% from Landfill	1
	Credit 3.1	Resource Reuse: 5%	1
	Credit 3.2	Resource Reuse: 10%	1
1	Credit 4.1	Recycled Content: 7.5% (post-consumer + ½ post-industrial)	1
1	Credit 4.2	Recycled Content: 15% (post-consumer + ½ post-industrial)	1
1	Credit 5.1	Regional Materials: 10% Extracted & Manufactured Regionally	1
1	Credit 5.2	Regional Materials: 20% Extracted & Manufactured Regionally	1
	Credit 6	Rapidly Renewable Materials	1
1	Credit 7	Certified Wood	1
	Credit 8	Durable Building	1

11 Indoor Environmental Quality — Possible Points 15

Y	Prereq 1	Minimum IAQ Performance	Required
Y	Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required
1	Credit 1	Carbon Dioxide (CO_2) Monitoring	1
	Credit 2	Ventilation Effectiveness	1
1	Credit 3.1	Construction IAQ Management Plan: During Construction	1
1	Credit 3.2	Construction IAQ Management Plan: Testing Before Occupancy	1
1	Credit 4.1	Low-Emitting Materials: Adhesives & Sealants	1
1	Credit 4.2	Low-Emitting Materials: Paints and Coating	1
1	Credit 4.3	Low-Emitting Materials: Carpet	1
1	Credit 4.4	Low-Emitting Materials: Composite Wood & Laminate Adhesives	1
1	Credit 5	Indoor Chemical & Pollutant Source Control	1
	Credit 6.1	Controllability of Systems: Perimeter Spaces	1
1	Credit 6.2	Controllability of Systems: Non-Perimeter Spaces	1
1	Credit 7.1	Thermal Comfort: Compliance with ASHRAE 55-2004	1
1	Credit 7.2	Thermal Comfort: Monitoring	1
	Credit 8.1	Daylight & Views: Daylight 75% of Spaces	1
	Credit 8.2	Daylight & Views: Views 90% of Spaces	1

5 Innovation & Design Process — Possible Points 5

1	Credit 1.1	Innovation in Design:	Exceptional Performance - Water Use Reduction @ 49%	1
1	Credit 1.2	Innovation in Design:	Exceptional Performance - Green Power @ 100%	1
1	Credit 1.3	Innovation in Design:	Low-Emitting Materials: Systems Furniture and Seating CI v1.0 EQc	1
1	Credit 1.4	Innovation in Design:	Green Housekeeping Program	1
1	Credit 2	LEED® Accredited Professional		1

City of St. Albert Cultivate Life