



LEED-NC Version 2.2 Project Checklist - Overview Assessment

City of Minneapolis - Chemical Storage and Feed Facility

Estimated Points				Estimated Hard Costs	Estimated Soft Costs	Notes
Yes	?	No				
11	1	2	Sustainable Sites	14 Possible Points		
Y			Prereq 1 Construction Activity Pollution Prevention	Required		
1			Credit 1 Site Selection	1		The site chosen for the project meets the LEED requirement.
		1	Credit 2 Development Density & Community Connectivity	1		Not Applicable to this Project.
		1	Credit 3 Brownfield Redevelopment	1		Not Applicable to this Project.
1			Credit 4.1 Alternative Transportation, Public Transportation Access	1		The Project is within 1/4 mile of a bus line.
1			Credit 4.2 Alternative Transportation, Bicycle Storage & Changing Rooms	1		A bicycle rack will be installed for this Project.
1			Credit 4.3 Alternative Transportation, Low-Emitting and Fuel-Efficient Vehicles	1		The next vehicle assigned to the Fridley Campus will meet the requirement for low emissions and fuel efficiency.
1			Credit 4.4 Alternative Transportation, Parking Capacity	1		There will be no new parking for the Project.
	1		Credit 5.1 Site Development, Protect or Restore Habitat	1		On-site disturbance can not be avoided. Restoration of like a similar habitat will be analyzed.
1			Credit 5.2 Site Development, Maximize Open Space	1		The project achieves this credit as a campus-wide credit for having more than 20 percent vegetated open space.
1			Credit 6.1 Stormwater Design, Quantity Control	1		The site design results in no net increase in site storm water flow to off-site channels.
1			Credit 6.2 Stormwater Design, Quality Control	1		The storm water design for the site result in an 80 percent reduction in total suspended solids.
1			Credit 7.1 Heat Island Effect, Non-Roof	1		The project will use concrete paving materials in lieu fo asphalt.
1			Credit 7.2 Heat Island Effect, Roof	1		Will provide a reflective white roof over the flat roof sections of the building in addition to reflective tile over the balance.
1			Credit 8 Light Pollution Reduction	1		The exterior and interior lights will be consistent with ASHRAE 90. 1-2004.

Yes	?	No				
5			Water Efficiency	5 Possible Points		
1			Credit 1.1 Water Efficient Landscaping, Reduce by 50%	1		The design will meet this credit since no permanent irrigation will be installed.
1			Credit 1.2 Water Efficient Landscaping, No Potable Use or No Irrigation	1		The current design will meet this credit since no permanent irrigation will be installed.
1			Credit 2 Innovative Wastewater Technologies	1		A standard 1.6 gallons per flush wall-mounted toilet with a flush valve will be used.
1			Credit 3.1 Water Use Reduction, 20% Reduction	1		A 20 percent reduction would be achievable by using the dual flush toilet and a faucet with a flow restrictor on this project.
1			Credit 3.2 Water Use Reduction, 30% Reduction	1		A 30 percent reduction would be achievable by using a dual flush toilet and faucet flow restriction with an electronic eye sensor.

Yes	?	No				
3	3	2	Energy & Atmosphere	17 Possible Points		
Y			Prereq 1 Fundamental Commissioning of the Building Energy Systems	Required		
Y			Prereq 2 Minimum Energy Performance	Required		
Y			Prereq 3 Fundamental Refrigerant Management	Required		
	3		Credit 1 Optimize Energy Performance	1 to 10		An energy analysis of the lighting and heating loads will be provided to determine the percent reduction that could be achieved through items such as an air to air heat exchanger. Completion of this analysis will provide point potential.
		1	Credit 2.1 On-Site Renewable Energy	1 to 3		Not within current project budget.
		1	Credit 3 Enhanced Commissioning	1		Not required for non-certified projects
1			Credit 4 Enhanced Refrigerant Management	1		The project will select alternative refrigerant instead of Puron refrigerant to meet the requirements for global warming potential.
1			Credit 5 Measurement & Verification	1		The project will implement a measurement and verification plan to monitor energy for a minimum of one year.
1			Credit 6 Green Power	1		The City intends to purchase a green power either through the electricity provider or through a third party.

Yes	?	No				
4	3	6	Materials & Resources	13 Possible Points		
Y			Prereq 1 Storage & Collection of Recyclables	Required		
		1	Credit 1.1 Building Reuse, Maintain 75% of Existing Walls, Floors & Roof	1		Not applicable for this Project.
		1	Credit 1.2 Building Reuse, Maintain 100% of Existing Walls, Floors & Roof	1		Not applicable for this Project.
		1	Credit 1.3 Building Reuse, Maintain 50% of Interior Non-Structural Elements	1		Not applicable for this Project.
1			Credit 2.1 Construction Waste Management, Divert 50% from Disposal	1		The Specifications will include requirements for processing of construction waste.
	1		Credit 2.2 Construction Waste Management, Divert 75% from Disposal	1		The Specifications will include requirements for processing of construction waste. All efforts will be made to achieve this goal.
1			Credit 3.1 Materials Reuse, 5%	1		The project will reuse portions of construction material from the previously demolished maintenance shop.
		1	Credit 3.2 Materials Reuse, 10%	1		Project will likely not be able to meet this goal.
1			Credit 4.1 Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	1		The Specifications will include maximum recycled content in the building project.
		1	Credit 4.2 Recycled Content, 20% (post-consumer + 1/2 pre-consumer)	1		Project will likely not be able to meet this goal.

Estimated Points			Estimated Hard Costs	Estimated Soft Costs	Notes
Yes	?	No			
	1		1		The Specifications will specify the use of regional materials. State of Minnesota procurement law prevents us from enforcing this requirement.
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		1	1		Project will not be able to meet this goal.
1			1		The project requires the use of FSC Certified wood for roof sheathing and any other wood utilized on the project.

Estimated Points				Estimated Hard Costs	Estimated Soft Costs	Notes
Yes	?	No				
Yes	?	No				
Indoor Environmental Quality				15 Possible Points		
8			7			
Y						Prereq 1 Minimum IAQ Performance Required
Y						Prereq 2 Environmental Tobacco Smoke (ETS) Control Required
1						Credit 1 Outdoor Air Delivery Monitoring 1 The Specifications will require an outdoor air monitor.
			1			Credit 2 Increased Ventilation 1 Building will be primarily un-occupied, therefore increasing outdoor ventilation would waste energy without an intended outcome.
1						Credit 3.1 Construction IAQ Management Plan, During Construction 1 The Specifications will include a construction air quality management plan.
1						Credit 3.2 Construction IAQ Management Plan, Before Occupancy 1 The Specifications will include a pre-occupancy air quality management plan.
1						Credit 4.1 Low-Emitting Materials, Adhesives & Sealants 1 The Specifications will require low emitting adhesives and sealants.
1						Credit 4.2 Low-Emitting Materials, Paints & Coatings 1 The Specification will require low emitting paint and coatings. Project likely will comply with this goal.
			1			Credit 4.3 Low-Emitting Materials, Carpet Systems 11 Not applicable to this project. There will be no finished flooring installed.
			1			Credit 4.4 Low-Emitting Materials, Composite Wood & Agrifiber Products 1 Not applicable to this project.
1						Credit 5 Indoor Chemical & Pollutant Source Control 1 The Specifications will include a pedi-grid in the control room and MERV 13 filters in the HVAC equipment.
1						Credit 6.1 Controllability of Systems, Lighting 1 The system as designed includes switching and controls to meet this credit.
1						Credit 6.2 Controllability of Systems, Thermal Comfort 1 The systems as designed include appropriate controls to meet this credit.
			1			Credit 7.1 Thermal Comfort, Design 1 Building will be primarily un-occupied, therefore thermal comfort is not a concern.
			1			Credit 7.2 Thermal Comfort, Verification 1 Building will be primarily un-occupied, therefore thermal comfort verification is not needed.
			1			Credit 8.1 Daylight & Views, Daylight 75% of Spaces 1 It is detrimental to have chlorine canisters exposed to direct sunlight. Building will primarily be un-occupied, therefore lighting systems will be on occupancy sensors.
			1			Credit 8.2 Daylight & Views, Views for 90% of Spaces 1 It is detrimental to have chlorine canisters exposed to direct sunlight. Building will primarily be un-occupied, therefore lighting systems will be on occupancy sensors.

Innovation & Design Process				5 Possible Points		
Yes	?	No				
Yes	?	No				
2			3			
1						Credit 1.1 Innovation in Design: Provide Specific Title 1 The project will specify 100 percent certified wood.
			1			Credit 1.2 Innovation in Design: Provide Specific Title 1 Industrial buildings do not offer many opportunities to achieve the requirements.
			1			Credit 1.3 Innovation in Design: Provide Specific Title 1 Industrial buildings do not offer many opportunities to achieve the requirements.
			1			Credit 1.4 Innovation in Design: Provide Specific Title 1 Industrial buildings do not offer many opportunities to achieve the requirements.
1						Credit 2 LEED® Accredited Professional 1 HDR/Consultant had LEED accredited professionals on staff that can fill this role.

Project Totals (pre-certification estimates)				69 Points		
Yes	?	No				
Yes	?	No				
33	7	20				Certified 26-32 points Silver 33-38 points Gold 39-51 points Platinum 52-69 points