



Hellmuth, Obata + Kassabaum, Inc.
LEED-CS v2.0 LEED Project Checklist

Project Name: Square 700

Date Worksheet Prepared/Updated: January 8, 2009

Prerequisite	Yes	Maybe	No
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				Section / Credit	Remarks
				Sustainable Sites	
Y				Prereq 1 Construction Activity Pollution Prevention	
1				Credit 1 Site Selection	Site is previously developed.
1				Credit 2 Development Density & Community Connectivity	Site is in proximity to numerous services, residential zones, pedestrian access.
1				Credit 3 Brownfield Redevelopment	There is some soil and groundwater contamination on the site. Participate in Voluntary Cleanup Program to achieve credit.
1				Credit 4.1 Alternative Transportation: Public Transportation Access	Site is next to Navy Yard Metro.
1				Credit 4.2 Alternative Transportation: Bicycle Storage & Changing Rooms	Project will need to provide bicycle storage and access to showers, changing facilities.
1				Credit 4.3 Alternative Transportation: Low Emitting & Fuel Efficient Vehicles	Provide preferred parking for low-emitting and fuel-efficient vehicles for 5% of the total vehicle parking capacity of the site
		1		Credit 4.4 Alternative Transportation: Parking Capacity	Not feasible for this project.
1				Credit 5.1 Site Development: Protect or Restore Habitat	Combination of green roof and native/adapted vegetation will protect or restore a minimum of 50% of the site area.
1				Credit 5.2 Site Development: Maximize Open Space	Green roof will comprise over 20% of site area. Open space requirement in place - exceed zoning requirement by 25% to achieve credit. As project will achieve SSc2, pedestrian oriented hardscape can contribute to compliance. A min of 25% of open space counted will be vegetated.
1				Credit 6.1 Stormwater Design: Quantity Control	Green roof will assist in quantity control. 50% min. green roof needs to be provided to get relief on SWM requirements.
1				Credit 6.2 Stormwater Design: Quality Control	Green roof will assist in quality control. 50% min. green roof needs to be provided to get relief on SWM requirements.
1				Credit 7.1 Heat Island Effect: Non-Roof	All parking is structured, below grade.
1				Credit 7.2 Heat Island Effect: Roof	Combination high albedo and vegetated roof surface.
		1		Credit 8 Light Pollution Reduction	Not feasible for this project.
1				Credit 9 Tenant Design & Construction Guidelines	Include LEED-CI recommendations in Tenant Guidelines. Additional requirements may be included as necessary or desired.
13	0	2		Total	15 Points Available
				Water Efficiency	
1				Credit 1.1 Water Efficient Landscaping: Reduce by 50%	No permanent irrigation.
1				Credit 1.2 Water Efficient Landscaping: No Potable Water Use or No Irrigation	No permanent irrigation.
		1		Credit 2 Innovative Wastewater Technologies	Not considered for this project.
1				Credit 3.1 Water Use Reduction: 20% Reduction	Specify low flow fixtures such as dual flush valves (1.1/1.6 gpm), ultra low flush or water free urinals (.125 or 0 gpf), aerated faucets (.5 gpm), etc. fixtures will also be compliant with new DC building codes.
1				Credit 3.2 Water Use Reduction: 30% Reduction	
4	0	1		Total	5 Points Available

Energy & Atmosphere

Y	Prereq 1	Fundamental Commissioning of the Building Energy Systems	Project systems will be commissioned. Confirm CxA on board sooner than later (before DD ends).	
Y	Prereq 2	Minimum Energy Performance	See EAc1 below.	
Y	Prereq 3	Fundamental Refrigerant Management	Equipment will not contain CFCs.	
2	6	Credit 1	Optimize Energy Performance	ENVELOPE: The current design of the office buildings is utilizing punched windows and attempts to reduce the glazing areas. Vertical and horizontal fins are being considered. Punched windows will have depth to assist in shading. LIGHTING: Consider daylight harvesting and internal light shelving for commercial office space. Full energy modeling will be done for the buildings. Priority on maintaining design integrity and owner plan while reducing loads. Use clearest glass that will meet energy requirements. Focus on shading elements on trouble spots seen in preliminary models. Utilize daylighting to max potential with integrated controls, dimmable ballasts or shading.
		Credit 2	On-Site Renewable Energy	Not feasible for this project.
1		Credit 3	Enhanced Commissioning	Obtain estimate, determine feasibility before end of DD.
		Credit 4	Enhanced Refrigerant Management	Not being pursued for this project.
1		Credit 5.1	Measurement & Verification: Base Building	Metering included in new building codes.
1		Credit 5.2	Measurement & Verification: Tenant Sub-Metering	Provide option for tenants to sub-meter for c5.2
	1	Credit 6	Green Power	Obtain cost estimate once energy model has been run.
5	7	2	Total	14 Points Available

Materials & Resources

Y	Prereq 1		Storage & Collection of Recyclables			
			1	Credit 1.1	Building Reuse: Maintain 25% of Existing Walls, Floors & Roof	Not feasible for this project.
			1	Credit 1.2	Building Reuse: Maintain 50% of Existing Walls, Floors & Roof	Not feasible for this project.
			1	Credit 1.3	Building Reuse: Maintain 75% of Existing Walls, Floors & Roof	Not feasible for this project.
	1			Credit 2.1	Construction Waste Management: Divert 50% From Disposal	Target 75% in specifications. Work with 3rd party waste hauler who will sort comingled waste off-site. Discuss deconstruction and salvage of existing buildings, specifically brick. Brick may be reused on lower level of office buildings. A company such as the Green Recycling Network can be utilized to salvage materials from the demolished building. Records must be kept.
	1			Credit 2.2	Construction Waste Management: Divert 75% From Disposal	
		1		Credit 3	Materials Reuse: 1%	We may reuse the brick of the existing bus garage. It could be used around the retail perhaps at the Via. Industrial windows such as at the bus garage could be considered. May not achieve credit threshold, but adds design interest.
	1			Credit 4.1	Recycled Content: 10% (post-consumer + 1/2 pre-consumer)	Concrete structural system will contain recycled content. Specify fly ash in concrete.
	1			Credit 4.2	Recycled Content: 20% (post-consumer + 1/2 pre-consumer)	
	1			Credit 5.1	Regional Materials: 10% Extracted, Processed & Manufactured Regionally	Concrete, gypsum board, ceiling tiles, etc. regional. Discuss other sources as necessary to fulfill 20% threshold.
	1			Credit 5.2	Regional Materials: 20% Extracted, Processed & Manufactured Regionally	
		1		Credit 6	Certified Wood	Determine quantity of wood in project.
	6	2	1	Total	11 Points Available	

Indoor Environmental Quality			
Y	Prereq 1	Minimum IAQ Performance	
Y	Prereq 2	Environmental Tobacco Smoke (ETS) Control	Smoking prohibited in DC. Adhere to DC regulations.
	Credit 1	Outdoor Air Delivery Monitoring	Discuss at a later date.
	Credit 2	Increased Ventilation	Discuss at a later date. Increased energy cost concerns exist.
1	Credit 3	Construction IAQ Management Plan: During Construction	Include in specs, track in construction.
1	Credit 4.1	Low-Emitting Materials: Adhesives & Sealants	Include in specs, track in construction.
1	Credit 4.2	Low-Emitting Materials: Paints & Coatings	Include in specs, track in construction.
1	Credit 4.3	Low-Emitting Materials: Carpet Systems	Include in specs, track in construction.
1	Credit 4.4	Low-Emitting Materials: Composite Wood & Agrifiber Products	Include in specs, track in construction.
	Credit 5	Indoor Chemical & Pollutant Source Control	Discuss MERV 13 filters.
	Credit 6	Controllability of Systems: Thermal Comfort	Discuss feasibility at a later date.
	Credit 7	Thermal Comfort: Design	Discuss feasibility at a later date.
	Credit 8.1	Daylight & Views: Daylight 75% of Spaces	Consider employing light shelves to project light in. Views for 90% of spaces is likely with sample layout.
1	Credit 8.2	Daylight & Views: Views for 90% of Spaces	
6	6	0	Total 11 Points Available
Innovation & Design Process			
	Credit 1.1	Innovation in Design, Exemplary Performance SSc4.1	Public transportation access - 200+ ride opportunities
	Credit 1.2	Innovation in Design, Exemplary Performance SSc7.1	100% structured parking
	Credit 1.3	Innovation in Design, Exemplary Performance WEc3.1	40% Water Use Reduction
	Credit 1.4	Innovation in Design, Green Housekeeping	Green Housekeeping
1	Credit 2	LEED Accredited Professional	
1	4	0	Total 5 Points Available
Project Totals			
35	19	8	Total Certified 23-27 points Silver 28-33 points Gold 34-44 points Platinum 45-61 points