LEED Certification Review Report

This report contains the results of the technical review of an application for LEED® certification submitted for the specified project. LEED certification is an official recognition that a project complies with the requirements prescribed within the LEED rating systems as created and maintained by the U.S. Green Building Council® (USGBC®). The LEED certifcation program is administered by the Green Building Certification Institute (GBCI®).

WTC Safety Building Addition

Project ID	1000005219
Rating system & version	LEED-NC v2009
Project registration date	03/10/2010

Certified (Gold)

CERTIFIED: 40-49, SILVER: 50-59, GOLD: 60-79, PLATINUM: 80+

LEED FOR NEW CONSTRUCTION & MAJOR RENOVATIONS (V2009)

ATTEMPTED: 66, DENIED: 4, PENDING: 0, AWARDED: 63 OF 110 POINTS

SUSTAINABLE SITES — 13 OF 26

SSp1 Construction Activity Pollution Prevention	Y
SSc1 Site Selection	1 / 1
SSc2 Development Density and Community Connectivity	0 / 5
SSc3 Brownfield Redevelopment	0 / 1
SSc4.1Alternative Transportation-Public Transportation Access	0 / 6
SSc4.2Alternative Transportation-Bicycle Storage and Changing Rooms	1 / 1
SSc4.3Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	3 / 3
SSc4.4Alternative Transportation-Parking Capacity	2 / 2
SSc5.1Site Development-Protect or Restore Habitat	1 / 1
SSc5.2Site Development-Maximize Open Space	1 / 1
SSc6.1Stormwater Design-Quantity Control	1 / 1
SSc6.2Stormwater Design-Quality Control	1 / 1
SSc7.1Heat Island Effect, Non-Roof	0 / 1
SSc7.2Heat Island Effect-Roof	1 / 1
SSc8 Light Pollution Reduction	1 / 1

WATER EFFICIENCY — 7 OF 10

WEp1 Water Use Reduction-20% Reduction	Y
WEc1 Water Efficient Landscaping	2 / 4
WEc2 Innovative Wastewater Technologies	2 / 2
WEc3 Water Use Reduction	3 / 4

ENERGY AND ATMOSPHERE — 23 OF 35

EAp1 Fundamental Commissioning of the Building Energy Systems	Y
EAp2 Minimum Energy Performance	Y
EAp3 Fundamental Refrigerant Mgmt	Y
EAc1 Optimize Energy Performance	19 / 19
EAc2 On-Site Renewable Energy	0 / 7
EAc3 Enhanced Commissioning	0 / 2
EAc4 Enhanced Refrigerant Mgmt	2 / 2
EAc5 Measurement and Verification	0 / 3
EAc6 Green Power	2 / 2

MATERIALS AND RESOURCES — 3 OF 14

MRp1 Storage and Collection of Recyclables	Y
MRc1.1Building Reuse-Maintain Existing Walls, Floors and Roof	0 / 3
MRc1.2Building Reuse, Maintain 50% of Interior	0 / 1
MRc2 Construction Waste Mgmt	2 / 2
MRc3 Materials Reuse	0 / 2
MRc4 Recycled Content	1 / 2

MATERIALS AND RESOURCES — CONTINUED

MRc5 Regional Materials	0 / 2
MRc6 Rapidly Renewable Materials	0 / 1
MRc7 Certified Wood	0 / 1

INDOOR ENVIRONMENTAL QUALITY — 10 OF 15

IEQp1 Minimum IAQ Performance	Y
IEQp2 Environmental Tobacco Smoke (ETS) Control	Y
IEQc1 Outdoor Air Delivery Monitoring	0 / 1
IEQc2 Increased Ventilation	0 / 1
IEQc3.1Construction IAQ Mgmt Plan-During Construction	1 / 1
IEQc3.2Construction IAQ Mgmt Plan-Before Occupancy	1 / 1
IEQc4.1Low-Emitting Materials-Adhesives and Sealants	1 / 1
IEQc4.2Low-Emitting Materials-Paints and Coatings	1 / 1
IEQc4.3Low-Emitting Materials-Flooring Systems	1 / 1
IEQc4.4Low-Emitting Materials-Composite Wood and Agrifiber Products	1 / 1
IEQc5 Indoor Chemical and Pollutant Source Control	0 / 1
IEQc6.1Controllability of Systems-Lighting	1 / 1
IEQc6.2Controllability of Systems-Thermal Comfort	1 / 1
IEQc7.1Thermal Comfort-Design	1 / 1
IEQc7.2Thermal Comfort-Verification	1 / 1
IEQc8.1Daylight and Views-Daylight	0 / 1
IEQc8.2Daylight and Views-Views	0 / 1

INNOVATION IN DESIGN — 4 OF 6

IDc1.1 Innovation in Design	0 / 1
IDc1.2 Innovation in Design	1 / 1
IDc1.3 Innovation in Design	1 / 1
IDc1.4 Innovation in Design	1 / 1
IDc1.5 Innovation in Design	0 / 1
IDc2 LEED® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS — 3 OF 4

SSc4.4 Alternative Transportation-Parking Capacity	1 / 1
SSc6.2 Stormwater Design-Quality Control	1 / 1
WEc1 Water Efficient Landscaping	0 / 1
WEc3 Water Use Reduction	1 / 1
MRc2 Construction Waste Mgmt	0 / 1
IEQc8.1Daylight and Views-Daylight	0 / 1

TOTAL	**63 OF 110**

CREDIT DETAILS

Project Information Forms

PIf1: Minimum Program Requirements — Approved

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted stating that the project complies with all Minimum Program Requirements. The project Owner has signed the form as required. The project will comply with MPR 6 (Must commit to sharing whole-building energy and water usage data) via Option 3. The project is located in Sparta, WI.

06/19/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.

PIf2: Project Summary Details — Approved

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted including the following project summary details. There is one building in this LEED-NC application with a total of one story and 10,758 gross square feet. The building was originally constructed in 1994 with 9,118 square feet undergoing initial fit-out and 1,640 square feet undergoing renovation. The project is 84.76% new construction and 15.24% renovation. The total site area within the LEED-NC project boundary is 537,900 square feet and the building area to site area ratio is 2%. The project is not located on a campus. There are 74 parking spaces available to the occupants, one floor above grade and zero floors below grade (excluding parking levels). The site was previously developed. The building uses energy from natural gas and electricity and uses water from a municipal potable water system as well as an on-site a rainwater system. The sewage is conveyed to a local septic system. The total project budget is $ 1,769,128.

06/19/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.

PIf3: Occupant and Usage Data — Approved

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted including the following occupant and usage data. The occupant is local government and an occupant type that consists primarily of Core Learning Space: College spaces. The FTE value is ten, total peak building users is 145, and the building is occupied 300 days per year. The project owner manages and owns the project building.

06/19/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

This Project Information Form was previously approved in the Preliminary Review. No changes have been made.

PIf4: Schedule and Overview Documents — Approved

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Project Information Form has been submitted including the design and construction schedule, the estimated date of substantial construction completion is noted as 12/31/2010, and the estimated date of occupancy is noted as 03/14/2011. The following required documents have been uploaded: site plan, floor plan, sections, exterior rendering, exterior photographs, and mechanical drawings. Additionally, an online map and the project narrative have been provided.

However, the narrative does not include a description of the project building HVAC, lighting, and electrical systems.

TECHNICAL ADVICE:

Provide a revised form that includes a description of the project mechanical systems and installed base building lighting systems or controls. Ensure that descriptions of all base building systems and types of controls, local or central have been included.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Narratives of the project mechanical systems and installed base building lighting systems or controls have been provided. The documentation demonstrates form compliance.

Sustainable Sites

SSp1: Construction Activity Pollution Prevention — Awarded

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project has implemented an erosion and sedimentation control (ESC) plan which conforms to the 2003 EPA Construction General Permit (CGP). The requirements of the CGP are more stringent than local erosion and sedimentation control standards and codes. The ESC plan addresses the necessary requirements to prevent soil loss, sedimentation, and pollution of the air as required. The monthly inspection reports with date-stamped photographs have been provided to confirm that the ESC plan was implemented appropriately. The inspection reports confirm that at least three inspections occurred at intervals spaced evenly throughout the site work period and include sample dates, inspection frequency, and descriptions of any corrective actions taken. The ESC Plan has also been provided.

However, although the plan identifies dust as an erosion concern, it is unclear if the ESC plan includes the proper measures for the prevention of air pollution (dust and particulate matter).

TECHNICAL ADVICE:

Please provide a revised ESC plan and supporting documentation which includes detailed information describing the measures taken for the prevention of polluting the air with dust and particulate matter.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

A response narrative and dust control guidelines have been provided to address the issues outlined in the Preliminary Review comments and states that while the General Contractor was fully prepared to utilize dust control strategies, it was found to be unnecessary since the area where the project is located had such an unusually wet and rainy season. The documentation demonstrates prerequisite compliance.

SSc1: Site Selection — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project site does not meet any of the prohibited criteria.

SSc2: Development Density and Community Connectivity — Not Attempted

POSSIBLE POINTS: 5

SSc3: Brownfield Redevelopment — Not Attempted

POSSIBLE POINTS: 1

SSc4.1: Alternative Transportation-Public Transportation Access — Not Attempted

POSSIBLE POINTS: 6

SSc4.2: Alternative Transportation-Bicycle Storage and Changing Rooms — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project includes institutional spaces and that bicycle storage facilities have been provided to serve 6.9% of the LEED-NC project FTE and transient occupants, measured at peak occupancy, and shower facilities for 60% of the LEED-NC project FTE occupants. Bicycle storage facilities must be provided for at least 5% of project FTE and transient occupants and shower facilities must be provided for at least 0.5% of FTE project occupants. Plans have been provided showing the location of the bicycle storage and shower facilities.

However, it appears that the bicycle storage / shower facilities will be shared with occupants in the neighboring existing building. It is unclear whether the occupancy provided in Plf3 includes the entire site or only the addition. In order to meet the requirements of this credit, the use of bicycle storage and shower facilities must be exclusive to occupants for the LEED-NC project or a sufficient quantity of bicycle storage and shower facilities must be provided for all occupants with access to the amenities.

TECHNICAL ADVICE:

Please provide additional documentation, such as photographs of installed signage or a statement signed by the building/property

owner or manager, to verify that the use of the bicycle storage and shower facilities are exclusive to the occupants of this LEED-NC project.

Alternatively, provide supplemental calculations which confirm that sufficient bicycle storage and shower facilities have been provided to serve all occupants with access to the amenities, including individuals who are not part of this LEED-NC project.

06/13/2012 **DESIGN AND CONSTRUCTION FINAL REVIEW**

Arevised LEED Credit Form has been provided stating that the project includes institutional spaces and that bicycle storage facilities have been provided to serve 6.21% of the LEED-NC project FTE and transient occupants, measured at peak occupancy. Aresponse narrative has been provided and states that the quantity of occupants for the entire building (existing and new LEED addition) is reflected in the calculations. Bicycle rack storage photographs and a revised floor plan have been provided. The documentation demonstrates credit compliance.

SSc4.3: Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles — Awarded: 3

POSSIBLE POINTS: 3
ATTEMPTED: 3, DENIED: 0, PENDING: 0, AWARDED: 3

03/12/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that the project complies with Option 1 and provides four preferred parking spaces for low-emitting and fuel-efficient vehicles (5.41% of total parking capacity). Preferred parking for low-emitting and fuel-efficient vehicles must be provided for at least 5% of the total parking capacity.

However, two issues are pending:

1. Asite plan indicating the total parking available to the LEED-NC project which highlights the location of the preferred low-emitting and fuel-efficient vehicle parking spaces has not been provided as required.

2. The documentation does not confirm that the preferred low-emitting and fuel-efficient parking spaces are reserved as required. Photographs or detail drawings of the installed signage have not been provided.

TECHNICAL ADVICE:

1. Please provide a site plan indicating the total parking available to the LEED-NC project which highlights the location of the preferred low-emitting and fuel-efficient vehicle parking spaces. Ensure that these reserved spaces meet the LEED definition of preferred.

2. Provide photographs or signage details which confirm that the low-emitting and fuel-efficient parking spaces are reserved as required.

06/13/2012 **DESIGN AND CONSTRUCTION FINAL REVIEW**

Aresponse narrative, photographs, and a site plan have been provided to address the issues outlined in the Preliminary Review comments and states that there are 62 spaces in the main parking lot within the LEED boundary and twelve additional parking spaces outside the LEED boundary. The documentation demonstrates credit compliance.

SSc4.4: Alternative Transportation-Parking Capacity — Awarded: 2

POSSIBLE POINTS: 2
ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 2

03/12/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that no new parking has been created within the LEED-NC project scope of work. The project Owner has signed the form as required.

SSc5.1: Site Development-Protect or Restore Habitat — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that prior to development of this LEED-NC project, the site was previously developed and therefore the project applies Case 2. The project has restored or protected 268,000 square feet using native or adapted vegetation which is equal to 50.92% of the project site excluding the LEED-NC building footprint. As the project site excluding the LEED-NC building footprint is greater area, a minimum of 50% of the site must be restored or protected. Site drawings highlighting the restored or protected areas which include the native/adapted plant species information have been provided.

SSc5.2: Site Development-Maximize Open — Awarded: 1

Space

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/13/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project site does not have local open space zoning regulations therefore the project complies with Case 2. 268,000 square feet of open space has been provided which is more than the footprint of the LEED-NC building (10,758 square feet). Aminimum area of open space equal to the footprint of the LEED-NC building is required. The calculations do include wetlands or naturally designed ponds. The project Owner has signed the form as required. Asite plan highlighting the dedicated open space has been provided.

However, two issues are pending:

1. The documentation within SSc6.1 Stormwater Management: Quantity Control indicates that the LEED-NC project site includes plans for future development. It does not appear that the planned future development has been included in the calculations of the minimum amount of open space as required. Additionally, it is unclear whether this dedicated open space will be maintained for the lifespan of this LEED-NC building as required.

2. It appears from the documentation within SSc6.1 that the naturally designed pond has side slope gradients greater than 1:4.

TECHNICAL ADVICE:

1. Please provide supporting documentation, such as a narrative, site plans and supplemental calculations, which highlights the future developments to be completed on-site. Ensure that the documentation confirms that all future planned development has been included in the calculations of the minimum area of dedicated open space required. Additionally confirm that the open space dedicated for this LEED-NC project will be maintained for the lifespan of this LEED-NC building. Note that open space may only be dedicated to one LEED project; should any of the future development pursue LEED certification, additional open space would be required to achieve this credit within that project.

2. Provide documentation that confirms the side slope gradients for the naturally designed pond are averaging 1:4 (vertical: horizontal) or less.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative, a campus master plan, and a revised open space site plan have been provided to address the issues outlined in the Preliminary Review comments and states that there are no future plans for development within the LEED-NC project site and that the pond with unconfirmed slope gradients has been excluded from the open space calculations. The documentation demonstrates credit compliance.

SSc6.1: Stormwater Design-Quantity Control **Awarded: 1**

POSSIBLE POINTS: 1

ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project site does not have local open space zoning regulations therefore the project complies with Case 2. 268,000 square feet of open space has been provided which is more than the footprint of the LEED-NC building (10,758 square feet). Aminimum area of open space equal to the footprint of the LEED-NC building is required. The calculations do include wetlands or naturally designed ponds. The project Owner has signed the form as required. Asite plan highlighting the dedicated open space has been provided.

However, two issues are pending;

1. The documentation within SSc6.1: Stormwater Management: Quantity Control indicates that the LEED-NC project site includes plans for future development. It does not appear that the planned future development has been included in the calculations of the minimum amount of open space as required. Additionally, it is unclear if this dedicated open space will be maintained for the lifespan of this LEED-NC building as required.

2. It appears from the documentation within SSc6.1 that the naturally designed pond has side slope gradients greater than 1:4.

TECHNICAL ADVICE:

1. Please provide supporting documentation, such as a narrative, site plans and supplemental calculations, which highlights the future developments to be completed on-site. Ensure that the documentation confirms that all future planned development has been included in the calculations of the minimum area of dedicated open space required. Additionally confirm that the open space dedicated for this LEED-NC project will be maintained for the lifespan of this LEED-NC building. Note that open space may only be dedicated to one LEED project; should any of the future development pursue LEED certification, additional open space would be required to achieve this credit within that project.

2. Provide documentation that confirms the side slope gradients for the naturally designed pond are averaging 1:4 (vertical: horizontal) or less.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative, a revised stormwater management plan, and revised exhibits have been provided to address the issues outlined

in the Preliminary Review comments and states that no runoff leaves the site for the design storms and, furthermore, that all runoff is infiltrated on the project site. The documentation demonstrates credit compliance.

Please note that the required signatory for this credit is the project team Civil Engineer, but the form has been signed by the project team MEP Engineer (Paul Phillips). As this has not been addressed in the Preliminary Review, it does not affect credit compliance. For future submittals, ensure that the form with the required signatory is completed by the technically-qualified Civil Engineer. Note that the Civil Engineer must be designated the proper role in the Team Administration Tab in LEED Online and must be logged in with his or her own account when signing the form.

SSc6.2: Stormwater Design-Quality Control — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that stormwater runoff from 90% of the average annual rainfall is captured or treated such that 80% of the average annual post-development Total Suspended Solids (TSS) is removed. The form lists the project structural controls and describes the contribution to stormwater filtration of each, including their TSS removal rate and percent of annual rainfall volume treated.

However, it is unclear whether the calculations include the entire LEED project boundary. The site plans provided in other SS credit submittals indicate a LEED project boundary that extends beyond the boundary identified in the calculations provided in SSc6.1. Without a clear LEED project site boundary, an accurate assessment of the project Stormwater Design - Quality Control cannot be assessed with the information provided. All LEED project boundaries shown on site plans / vicinity maps must be reported consistently across all LEED credit submittals.

TECHNICAL ADVICE:

Please provide a revised site plan and drainage plan identifying the LEED project boundary. Provide a revised LEED Credit Form with revised calculations that reflect the stormwater management for the entire LEED project boundary.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative and stormwater management plan have been provided to address the issues outlined in the Preliminary Review comments and states that the plan has been revised to address the LEED project boundary. Additionally, the plan states that no runoff leaves the site and, therefore, all runoff is treated on the project site. The documentation demonstrates credit compliance.

SSc7.1: Heat Island Effect, Non-Roof — Not Attempted

POSSIBLE POINTS: 1

SSc7.2: Heat Island Effect-Roof — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that 100% of the base building roof surface has a Solar Reflectance Index of 80.24 therefore the project complies with Option 1. Aminimum of 75% of the roof with a minimum SRI of 29 is required. The roof slope is noted as less than 2:12. The table listing the compliant SRI roofing materials, a roof plan, and manufacturer documentation for the installed roofing materials have been provided.

SSc8: Light Pollution Reduction — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the base building complies with Option 1 and that all nonemergency interior luminaires with a direct line of sight to any openings in the building envelope have had their input power reduced by at least 50% between 11pm and 5am via automatic devices. Additionally, there are exterior lighting devices within the LEED-NC Project Boundary. The site is classified as LZ2: Low. The exterior lighting power density and site lumen calculation tables have been completed. The actual LPD used for all nontradable surfaces is less than or equal to the allowable. The documentation confirms that the base site allowance used is less than or equal to the allowance available and that the percentage of site fixture lumens above 90 degrees from the nadir is less than or equal to the percentage allowed by the lighting zone. Drawings showing the locations of the automatic controls and documentation detailing the sequence of operations of the interior lighting have been provided.

However, two issues are pending:

1. An exterior site photometric plan has not been provided as required.

2. EAp2 Minimum Energy Performance has been denied pending clarifications. The LPD of exterior facade/landscape lighting reported here (8.17 kW) is inconsistent with that reported within EAp2 (2.5 kW).

TECHNICAL ADVICE:

1. Please provide an exterior site photometric plan. Ensure that that the plan indicates the LEED-NC Project Boundary and the light trespass limit line which is ten feet beyond the LEED-NC Project Boundary in order to confirm compliance with the illuminance requirements of LZ2.

2. See the comments within EAp2. Revise the form as necessary to ensure consistency in the Exterior Lighting Power Tables with EAp2.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative and site photometric plan have been provided to address the issues outlined in the Preliminary Review comments and states that the LPD listed in the documentation for SSc8 is inaccurate and appears to be the result of calculation error embedded in the SSc8 form itself. The site photometric plan indicates the LEED-NC Project Boundary and the light trespass limit line confirming compliance with the illuminance requirements of LZ2. The documentation demonstrates credit compliance.

It is noted that the site photometric plan does not correctly depict footcandle limit levels. The limits for footcandles should be displayed in hundredths (0.01) units rather than tenths (0.1). As the limits have been met for LZ2, credit compliance is not affected.

Water Efficiency

WEp1: Water Use Reduction-20%Reduction — Awarded

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form and water use calculations have been provided stating that the project has reduced potable water use by 25.00% from a calculated baseline design through the installation of low-flow fixtures. Aminimum reduction of 20% is required. A plumbing fixture schedule has been provided.

Please note that the fixture usage groups have been based on fixture type, whereas fixture groups are meant to define occupant groups (i.e. office, warehouse, retail, etc.). The LEED Reference Guide for Green Building Design and Construction, 2009 Edition (Updated June 2010), states that user groups must reflect populations within the building that use a specific subset of flow and flush fixtures. If the project occupants have similar usage patterns, one fixture usage group may be used to represent the entire building occupancy. Prerequisite compliance is not affected. For futures submittals, ensure that fixture groups have been defined to reflect the various occupant groups within the LEED-NC project which use a specific set of flow and flush fixtures and that the fixture groups are not based on fixture type.

WEc1: Water Efficient Landscaping — Awarded: 2

POSSIBLE POINTS: 4
ATTEMPTED: 3, DENIED: 2, PENDING: 0, AWARDED: 2

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the landscaping and irrigation systems have been designed to reduce potable water consumption for irrigation by 85.87% and has reduced the total water used for irrigation by 100% from a calculated baseline case. Aminimum reduction of 50% in potable water use is required. The form indicates that the installed irrigation systems use on-site captured greywater.

However, although documentation that illustrates the nonpotable water systems have been provided, information supporting the quantities entered in the table has not been included.

TECHNICAL ADVICE:

Please provide additional documentation, including calculations, which highlights the total capacity of the non-potable water that will be available. Ensure that the documentation addresses any issues of seasonal availability and/or on-site storage capacity.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative, a page from the plumbing code, and information supporting the quantities in the form have been provided to address the issues outlined in the Preliminary Review comments and states that the geo-exchange system supplies a constant flow of return water. The narrative also states that the irrigation system is fed off of the water re-use system, but is programmed to run during unoccupied building hours.

Please note that it appears from the response narrative that the geo-exchange system uses water extracted from the outlet of an open-loop ground source heat pump. As outlined in LEED Interpretation 2545, the irrigation water made available indirectly from natural subsurface water to provide a condensing/heating source for the ground source heat pump does not meet the credit intent as the intent is to "limit or eliminate the use of potable water, or other natural surface or subsurface water resources available on or near the project site, for landscape irrigation."

When the water from the geo-exchange system is removed from the credit calculations, potable water consumption for irrigation has been reduced by 85.87%. The documentation demonstrates credit compliance for two points.

WEc2: Innovative Wastewater Technologies — Awarded: 2

POSSIBLE POINTS: 2
ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 2

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has reduced potable water for sewage conveyance by 100% via Option 1. Aminimum reduction of 50% is required. The reduction has been achieved by the use of non-potable water sources.

However, specific information regarding the available quantity of building-generated greywater volume has not been provided as required.

TECHNICAL ADVICE:

Please provide additional documentation, including calculations, which highlights the total capacity of the non-potable water that will be available. Ensure that the documentation addresses any issues of seasonal availability and/or on-site storage capacity.

06/19/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative, a page from the plumbing code, and information supporting the quantities in the form have been provided to address the issues outlined in the Preliminary Review comments and states that the geo-exchange hybrid system supplies a constant flow of return water. The narrative also states that the flow of return water will be adequate for fixture flushing and miscellaneous hose bib watering needs.

Please note that it appears from the response narrative that the geo-exchange system uses water extracted from the outlet of an open-loop ground source heat pump. As outlined in LEED Interpretation 2545, the flush water provided indirectly from natural subsurface water to provide a condensing/heating source for the ground source heat pump does not meet the credit intent as the intent is to "reduce wastewater generation and potable water demand while increasing the local aquifer recharge." Although LEED Interpretation 2545 is applicable to WEc1, the water use here in WEc2 for flushing would be provided indirectly from a potable subsurface water source. As this issue was not adequately addressed in the Preliminary Review, the credit has been awarded.

WEc3: Water Use Reduction — Awarded: 3

POSSIBLE POINTS: 4
ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 3

11/27/2012 DESIGN AND CONSTRUCTION APPEAL REVIEW

Arevised LEED Credit Form has been provided stating that the project has reduced potable water use by 30% from a calculated baseline design. The LEED Prerequisite Form and water use calculations have been updated. Aminimum reduction of 30% is required. Aresponse narrative, manufacture documentation, and a screen shot of the college website have been provided.

The following items are noted:

1. The manufacturer documentation indicates that the public lavatories are autocontrol/metered faucets but the flow rates have not been converted from gallons per minute (GPM) to gallons per cycle (GPC), and the fixture type has not been listed as Metering in Table WEp1-4 Flow Fixture Data. When autocontrol or metering faucets are used, flow rates should be converted from GPM to GPC based on duration and the metering baseline fixture type selected as outlined in USGBC#s Water Use Reduction Additional Guidance. Please note that autocontrol/metered faucets have a default 12-second design case duration when converting to GPC per Table 2 within the WEp1 section of the LEED Reference Guide for Green Building Design and Construction, 2009 Edition (Updated June 2010).

2. It appears that the manufacturer documentation for the showerhead states the flow rate as 0.995 GPM at 50 psi, but showerheads must use the rated flow rate at 80 psi per the prerequisite requirements. Based on independent research with the manufacturer Bricor, the flow rate for the EcoFit-PC model is 1.175 GPM at 80 psi.

3. The calculations indicate an occupancy breakdown of 60% males and 40% females. The calculations require a balanced, one-to-one gender ratio unless project-specific conditions warrant an alternative ratio for the lifespan of the building. Note that current staffing level is not an acceptable rationale for deviating from the standard usage ratio of 50% male and 50% female. For future submittals, if project-specific conditions exist where an alternative ratio is justified for the lifespan of the building, supporting documentation must be provided to confirm that the ratio applies for the life of the building, such as trend data forecasting forward or documentation of the code-required plumbing fixture counts per gender to confirm the alternative gender ratio claimed per the Water Use Reduction Additional Guidance. Enrolment/admission statistics are not sufficient.

4. The fixture usage groups have been based on fixture type, whereas fixture groups are meant to define occupant groups (i.e. office, warehouse, retail, etc.). The LEED Reference Guide for Green Building Design and Construction, 2009 Edition (Updated June 2010), states that user groups must reflect populations within the building that use a specific subset of flow and flush fixtures. If the project occupants have similar usage patterns, one fixture usage group may be used to represent the entire building occupancy. Prerequisite compliance is not affected. For futures submittals, ensure that fixture groups have been defined to reflect the various occupant groups within the LEED-NC project which use a specific set of flow and flush fixtures and that the fixture groups are not based on fixture type.

When recalculated to account for the showerhead flow rate at 80 psi, using the default 50/50 gender ratio, and to convert the sensor/autocontrol lavatory to GPC and list in the form as metering, the project has reduced potable water use by 35% from a calculated baseline design. The documentation demonstrates credit compliance for three points.

Energy and Atmosphere

EAp1: Fundamental Commissioning of the Building Energy Systems — Awarded

02/22/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the fundamental commissioning report for the project energy-related systems has been completed. The required commissioning authority experience of the project team Commissioning Agent has been provided, and the documentation confirms that the Owner Project requirements (OPR) and Basis of Design (BOD) are consistent with the final construction documentation and completed project. The project Owner and project team Commissioning Agent have signed the form as required. The executive summary of the commissioning report which includes a list of the systems commissioned and a summary of issues corrected has been provided.

Please note for future project submittals, that the team member who has signed the LEED Prerequisite Form has not been assigned the correct role under the Team Administration Tab. For future project submittals, please ensure the appropriate roles have been assigned to the individuals who provide the required signatories.

EAp2: Minimum Energy Performance — Awarded

03/13/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form and supporting documentation have been provided stating that the project is 85% new construction and therefore complies with Option 1. The project has achieved an energy cost savings of 44.51% using the ASHRAE 90.1-2007 Appendix G methodology. The project team Architect, Mechanical Engineer, and Electrical Engineer have signed the form as required. Energy efficiency measures incorporated into the building design include an improved thermal envelope, high efficiency glazing, reduced interior lighting power density, occupancy sensors, and geothermal heat pumps.

However, the following seven review comments requiring a project response (marked as Mandatory) must be addressed for the Final Review. For the remaining review comments (marked as Optional), a project response is optional.

TECHNICAL ADVICE:

REVIEW COMMENTS REQUIRING A PROJECT RESPONSE (Mandatory):

1. Exterior lighting has been modeled identically for the Baseline or Proposed Case. However, this is not consistent with SSc8 (Light Pollution Reduction). Revise the exterior lighting power for the Proposed model and Baseline model and update Section 1.4 - Supplemental Table 1.4.5 as necessary so the exterior lighting power is consistent across credits. Ensure that the Baseline exterior lighting power in Table 1.4.5 is equal to the ASHRAE 90.1-2007 allowable in SSc8, after any required changes to that credit. Additionally, ensure that no credit is taken in the Proposed case for lighting reductions on non#tradable surfaces. Note that additional lighting power allowance cannot be claimed in the Baseline model for surfaces that are not provided with lighting in the actual design and lighting fixtures cannot be double counted for different exterior surfaces. Verify that the Proposed Case exterior lighting reflects the actual building design, and the Baseline Case reflects the allowed lighting power from ASHRAE90.1-2007 Section 9. Report the tradable and non#tradable surface lighting power separately (in units of Watts or Kilowatts) for both the Baseline and Proposed Case, and verify that these values are appropriately reflected in the model outputs and Tables EAp2-4 and EAp2-5.

2. The Baseline system type modeled does not seem consistent with the system mapping from Table G.3.1.1.A. The project area (10,758 square feet), type (non-residential), and heating source (electric) indicate the baseline system should be a Type 4 # Packaged Rooftop Electric Heat Pump. Confirm that the Baseline system was modeled correctly or revise the system type to reflect ASHRAE modeling protocol.

3. Both Natural Gas and Electric heating are reported in Table EAp2-4 for the Baseline. This is unexpected. After addressing Comment 2 and revising the baseline to model System Type 4, please note that there should be no natural gas heating source in the Baseline Case. Revise the model and form as necessary.

4. After addressing Comment 2 verify the packaged rooftop heat pumps in the Baseline model were modeled according to Section G3.1.3.1, which requires that the electric air#source heat pumps are modeled with electric auxiliary heat that only energizes on the last thermostat stage and when the outdoor air temperature is less than 40 degrees F. Provide a narrative of how the electric auxiliary heat for the electric air#source heat pumps in the Baseline model was modeled, ensuring that the requirements of Section G3.1.3.1 are met.

5. The interior fan demand reported in Tables EAp2-4 and EAp2-5 of 14.5 kW for the Baseline Case and 10.3 kW for the Proposed Case exceeds the Baseline fan power allowance of 10.26 kW for the Baseline Case and the Proposed fan power of 8.21 kW reported in the Section 1.4 - Supplemental Table 1.4.2. Confirm that the values reflected in Table 1.4.2 appropriately reflect the modeled fan power, revise the models as necessary, and verify that the fan demand reflected in the model outputs (and reported in Tables EAp2-4 and EAp2-5) does not exceed the fan power reported in Table 1.4.2 for the Baseline or Proposed Case.

6. It is unclear whether the Baseline case fan power was modeled in accordance with ASHRAE 90.1-2007 Section G3.1.2.9. If necessary, revise the sum of the design supply, return, exhaust and relief fans for each Baseline HVAC system to be equal to the power calculated in G3.1.2.9 where CFM refers to the design supply CFM. If the energy simulation tool used for the analysis calculates this Baseline fan power value automatically, manually check the outputs for each system against equation G3.1.2.9 to verify that the fans have been modeled appropriately. Indicate any pressure adjustments reflected in the fan power calculations. Report the total fan power in the Section 1.4 -Supplemental Table 1.4.2, and update the energy models, input and output summaries, and form as necessary.

7. The energy savings reported for heating and cooling do not appear to be substantiated based on the energy inputs reported in the

Section 1.4 - Supplemental Tables. Review the Baseline and Proposed inputs for the model to confirm that they conform to ASHRAE 90.1-2007 and LEED modeling protocol. Provide sufficient information regarding the energy inputs in the Section 1.4 Tables and an accompanying narrative to justify the reported energy savings. Additionally, provide revised input summary reports for a sample HVAC system and thermal zone for the Baseline and Proposed Case to justify that the energy inputs correctly reflect ASHRAE 90.1-2007 and LEED modeling protocol.

REVIEW COMMENTS THAT DO NOT REQUIRE A PROJECT RESPONSE FOR THIS PROJECT, BUT SHOULD BE CONSIDERED AS EDUCATIONAL NOTES FOR FUTURE SUBMITTALS (Optional):

8. Please note that the mechanical and electrical engineer signatories were provided by team members who have not been assigned a role. Since the project team members appear to be employees of the engineering firm this issue does not affect compliance. However, for future project submittals, please note that the team member must be designated the proper role in the Team Administration tab in LEED Online and must be logged in with his or her own account when signing the form.

06/12/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Prerequisite Form has been revised to address the issues outlined in the Preliminary Review and states that the project has achieved an energy cost savings of 65.13% using the ASHRAE 90.1-2007 Appendix G methodology. Revised supporting documentation has been provided including a narrative response to Preliminary Review comments, updated simulation input and output summary files, and an updated LEED Prerequisite Form. Sufficient information has been provided to address all issues raised in the Preliminary Review. The total predicted annual energy consumption for the project is 133,773 kWh/year of electricity. The documentation demonstrates prerequisite compliance.

EAp3: Fundamental Refrigerant Management — Awarded

02/15/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that there are no CFC-based refrigerants in the HVAC systems which serve the LEED-NC project.

EAc1: Optimize Energy Performance — Awarded: 19

POSSIBLE POINTS: 19
ATTEMPTED: 19, DENIED: 0, PENDING: 0, AWARDED: 19

03/07/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form and supporting documentation have been provided stating that the project is 85% new construction and 15% major renovation and has achieved an energy cost savings of 44.51% using the ASHRAE 90.1-2007 Appendix G methodology.

However, EAp2 (Minimum Energy Performance) is denied pending clarifications.

TECHNICAL ADVICE:

Please address the comments within EAp2 and resubmit this credit.

06/12/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

The LEED Credit Form and supporting documentation have been provided stating that the project is 85% new construction and has achieved an energy cost savings of 65.36% using the ASHRAE 90.1-2007 Appendix G methodology. A minimum energy cost savings of 11.4% is required for all 85% new construction projects. The documentation demonstrates credit compliance.

EAc2: On-Site Renewable Energy — Not Attempted

POSSIBLE POINTS: 7

EAc3: Enhanced Commissioning — Not Attempted

POSSIBLE POINTS: 2

EAc4: Enhanced Refrigerant Management — Awarded: 2

POSSIBLE POINTS: 2
ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 2

02/22/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project selected refrigerants and HVACR systems that minimize or eliminate the emission of compounds that contribute to ozone depletion and global climate change. Additionally, any fire suppression systems in the LEED-NC project do not use ozone-depleting substances including CFCs, HCFCs, or halons. The refrigerant impact calculation indicates that the total refrigerant impact of the LEED-NC project is 38 per ton, which is less than the maximum allowable value of 100.

EAc5: Measurement and Verification — Not Attempted

POSSIBLE POINTS: 3

EAc6: Green Power — Awarded: 2

POSSIBLE POINTS: 2

ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 2

03/07/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has a two-year purchase agreement to procure 104% of the electricity for this LEED-NC project that meets the Green-e definition for renewable power and therefore applies Option 1. Aminimum of 35% of the required electricity must be provided by green power. The project has utilized the whole building energy simulation method in EAp2 (Minimum Energy Performance) as outlined in ASHRAE 90.1-2007. The proof of purchase off-site renewable energy has been provided.

However, EAp2 is denied pending clarifications. As such, the total annual electricity usage of the building cannot be confirmed.

TECHNICAL ADVICE:

Please see the comments within EAp2. Revise this form and supporting documentation as necessary to confirm that at least 35% of the total annual electricity usage is provided by green power.

06/12/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Additional documentation has been provided for EAp2 (Minimum Energy Performance) to verify the total annual electricity usage. The revised LEED Credit Form has been provided stating that the project has a two-year purchase agreement to procure 107% of the electricity for this LEED-NC project that meets the Green-e definition for renewable power and therefore applies Option 1. Aminimum of 35% of the required electricity must be provided by green power.

The documentation demonstrates credit compliance.

Materials and Resources

MRp1: Storage and Collection of Recyclables — Awarded

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project has provided appropriately sized dedicated areas for the collection and storage of materials for recycling, including cardboard, paper, plastic, glass, and metals. The narrative describing the size, accessibility and dedication of recycling storage areas and a floor plan showing the location of the recycling storage areas within the LEED-NC project have been provided. The area is adequately sized and located, and the narrative confirms the pick-up frequencies.

Please note that the narrative does not confirm the expected volume for the building. As it appears from the documentation provided, adequate storage area and daily collection are available to handle the expected volume and prerequisite compliance is not affected. For future submittals, ensure that the narrative includes the expected volume of recyclables for the building.

MRc1.1: Building Reuse-Maintain Existing Walls, Floors and Roof — Not Attempted

POSSIBLE POINTS: 3

MRc1.2: Building Reuse, Maintain 50% of Interior — Not Attempted

POSSIBLE POINTS: 1

MRc2: Construction Waste Management — Awarded: 2

POSSIBLE POINTS: 2
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 2

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has diverted 83.63% of the on-site generated construction waste from landfill. A minimum of 50% diverted is required. Calculations and a Construction Waste Management Plan have been provided to document the waste types and receiving agencies for the diverted materials.

MRc3: Materials Reuse — Not Attempted

POSSIBLE POINTS: 2

MRc4: Recycled Content — Awarded: 1

POSSIBLE POINTS: 2
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form and the LEED Materials and Resource Calculator have been provided stating that 12.66% of the total building materials content, by value, have been manufactured using recycled materials. A minimum of 10% is required. The recycled material meets the ISO 14021 definitions of post- and pre-consumer material. Manufacturer documentation has been provided for at least 20% of the compliant materials as required.

MRc5: Regional Materials — Denied

POSSIBLE POINTS: 2
ATTEMPTED: 1, DENIED: 1, PENDING: 0, AWARDED: 0

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form and the LEED Materials and Resource Calculator have been provided stating that 10.02% of the total building materials value includes building materials and products that have been manufactured and extracted within 500 miles of the project site. A minimum of 10% must be extracted and manufactured within 500 miles of the project site. Manufacturer documentation has been provided for at least 20% of the compliant materials as required.

However, based on the information provided under MRc4, the extraction (or recycle) points for the Glewwe wood doors, Gerdaw Amer reinforcing steel, Quality Overhead garage doors, Firestone Building Products (gutter and downspouts, soffit, sheet metal flashings, and isocyanurate insulation) require clarification to determine whether they are extracted/harvested/recovered locally. It is unclear whether 100% of each material complies. For regional material calculations, the extraction location for the source of the recycled content can be the location where the recycled material was produced or collected. That might be the recycling facility, scrapyard, depository, stockpile, or another location where the material was collected and packaged for market purchase before manufacturing. It is not necessary to track the raw material back to its original point of extraction. Only the individual raw material components of the product that are extracted/harvested/recovered and manufactured locally can contribute to credit compliance.

TECHNICAL ADVICE:

Please provide a revised regional materials calculations table in the form that specifies the extraction location for the source of the recycled content. Ensure that this value is the location where the recycled material was produced or collected. If only a fraction of the material is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value. Information for how to document assemblies is provided in MRc4 in the LEED Reference Guide for Green Building Design and Construction, 2009 Edition (Updated June 2010), under the heading: Assembly Recycled Content. To clarify and support these calculations, provide documentation such as manufacturers' letters or cut sheets specifying that the materials listed above have a source material that is within 500 miles of the project site.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

No further information has been provided. The documentation does not demonstrate credit compliance.

MRc6: Rapidly Renewable Materials POSSIBLE POINTS: 1	**Not Attempted**
MRc7: Certified Wood POSSIBLE POINTS: 1	**Not Attempted**

Indoor Environmental Quality

IEQp1: Minimum Indoor Air Quality Performance — Awarded

02/22/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project is mechanically ventilated and mechanically conditioned; therefore the project applies Case 1. The project has utilized the LEED Credit Form. The credit form calculator confirming that the breathing zone outdoor air intake ventilation rates for all occupied spaces meets the minimum established in ASHRAE 62.1-2007 has been completed.

However, two issues are pending:

1. The team member who provided the required signatory has not been assigned the appropriate role.

2. The ventilation systems serving the LEED-NC project space are multiple-zone recirculating systems, however, the version of the form utilized (Form v3.0) does not apply to these types of systems. The utilized form allows for only one zone and occupancy category per AHU which is appropriate for single-zone systems; however, the air handling units in this project serve multiple zones with varying occupancy types. While the form can be used in conjunction with supplemental documentation to confirm compliance of this prerequisite for multi-zone systems, the form itself is only appropriate for a limited type of system designs (i.e. single-zone systems).

TECHNICAL ADVICE:

1. Please verify the team member who has been assigned the appropriate project team role has completed the required signatory. Note that the team member must be designated the proper role in the Team Administration tab in LEED Online and must be logged in with his or her own account when signing the form.

2. Please provide a separate ventilation rate procedure calculation for each multiple-zone recirculating system serving the LEED-NC project. Note that an upgraded version of the IEQp1 Prerequisite Form (Form v04) is available, which includes a calculator appropriate for documenting multiple-zone recirculating systems. Though not required, it is strongly encouraged that the project upgrade to the most recent version of the credit form. Projects may request a form upgrade through the feedback button in LEED Online v3. Please include the specific prerequisite form, project number, project name, and rating system when requesting an upgrade.

As an alternate to the form calculator, the project may choose to provide supplemental ventilation rate procedure calculations with the ASHRAE 62MZCalc Calculator, which may be downloaded from LEED Online for this prerequisite through the Credit Resources section. The 62MZCalc also includes the 30% increased ventilation calculations required for compliance with IEQc2. Note that a separate calculation is required for each ventilation system. If this calculator cannot be located within LEED Online, please request the calculator using the feedback button.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

The revised LEED Prerequisite Form has been provided stating that the project is mechanically ventilated and mechanically conditioned; therefore the project applies Case 1. The project has utilized the VRP Compliance Calculator and the form states that the mechanical ventilation system is comprised of multiple zone units. The project team Ventilation Systems Designer has signed the form as required. The ventilation rate procedure and designed outdoor air intake rates confirming that the breathing zone outdoor air intake ventilation rates for all occupied spaces meets the minimum established in ASHRAE 62.1-2007 have been provided.

The documentation demonstrates prerequisite compliance.

IEQp2: Environmental Tobacco Smoke (ETS) Control — Awarded

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Prerequisite Form has been provided stating that the project minimizes exposure to ETS-containing air by prohibiting smoking on-site. Additionally, smoking is prohibited within the building. The project Owner has signed the form as required.

However, although photographs of the indoor smoking policy have been provided, no evidence of signage communicating the exterior smoking policy has been provided.

TECHNICAL ADVICE:

Please provide documentation communicating the site smoking policy. Drawing(s) with signage details or photographs are acceptable.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

Aresponse narrative, photographs communicating the exterior smoking policy, and a copy of the smoking policy have been provided to address the issues outlined in the Preliminary Review comments. The documentation demonstrates prerequisite compliance.

IEQc1: Outdoor Air Delivery Monitoring — Not Attempted

POSSIBLE POINTS: 1

IEQc2: Increased Ventilation **Not Attempted**
POSSIBLE POINTS: 1

IEQc3.1: Construction IAQ Management Plan-During Construction **Awarded: 1**
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that the project developed and implemented a Construction IAQ Management Plan that followed the referenced SMACNA Guidelines. The form narrative describes how absorptive materials were protected from moisture damage during the construction and preoccupancy phases. Photographs from at least two different time periods have been provided highlighting the implemented IAQ measures. The project team Contractor has signed the form as required. Permanently installed air handling units were operated during construction. For all permanently installed air handling units that were operated during construction, a MERV 8 filter was installed at each return air grille during construction and these filters were replaced immediately prior to project occupancy with a MERV 12 filter. A copy of the Construction IAQ Management Plan has been provided.

IEQc3.2: Construction IAQ Management Plan-Before Occupancy **Awarded: 1**
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/22/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that an IAQ Management Plan was implemented for this project which includes post-construction measures and therefore the project applies Option 1 - Path 2. Prior to initial occupancy, the space was flushed out with a minimum of 3,500 cubic feet of outdoor air per square foot of floor area. Once occupied, the space was ventilated at a minimum rate of 0.30 cfm/square foot of outside air or the design minimum outside air rate determined in IEQp1 (Minimum Indoor Air Quality Performance), whichever is greater, until a total of 14,000 cubic feet per square foot of outside air was delivered to the space. A copy of the IAQ Management Plan and a narrative describing the flush-out procedure, including flush-out dates, date of occupancy consistent with PIf4 (Schedule and Overview Documents), outdoor delivery rates, internal temperature, and relative humidity, have been provided.

However, the documentation indicates that the prior to occupancy portion of the flush-out was done on April 21, 2011 whereas the project occupancy date is noted as March 07, 2011 on this credit form and March 14, 2011 within PIf4 (Schedule and Overview Documents).

TECHNICAL ADVICE:

This credit requires that a minimum of 3,500 cubic feet of outdoor air per square foot of floor area be provided prior to occupancy. Please confirm the date of occupancy and the dates of the flush-out process.

05/24/2012 **DESIGN AND CONSTRUCTION FINAL REVIEW**

The occupancy date has been revised on the LEED Credit Form and PIf4 (Schedule and Overview Documents) to May 13, 2011 which is after the the completion of the prior to occupancy portion of the flush-out.

The documentation demonstrates credit compliance.

IEQc4.1: Low-Emitting Materials-Adhesives and Sealants **Awarded: 1**
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that all adhesive and sealant products comply with the VOC limits of the referenced standards for this credit. A summary of all interior adhesive and sealant products has been provided along with VOC data for each product confirming that they comply with the referenced VOC limits. The project team Contractor has signed the form as required. Manufacturer documentation has been provided for at least 20% of the products as required.

IEQc4.2: Low-Emitting Materials-Paints and Coatings **Awarded: 1**
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Credit Form has been provided stating that all interior paints and coatings applied on-site comply with the VOC limits of the referenced standards for this credit. A summary of all interior paints and coatings has been provided along with VOC data for each product confirming that they comply with the referenced VOC limits. The project team Contractor has signed the form as required.

Manufacturer documentation has been provided for at least 20% of the products as required.

IEQc4.3: Low-Emitting Materials-Flooring Systems — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that all interior flooring materials and finishes meet or exceed applicable criteria for the Carpet and Rug Institute, South Coast Air Quality Management District or FloorScore. The adhesives used have a VOC level of less than 50 g/L that complies with IEQc4.1 (Low-Emitting Materials: Adhesives and Sealants). A summary of the products along with data for each product has been provided in the form. Manufacturer documentation has been provided for at least 20% of the materials and for at least 20% of the adhesive and sealant products as required.

IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that all composite wood, agrifiber products, and laminate adhesives used in the building contain no added urea-formaldehyde resins. A product summary of all products has been provided indicating that the products do not contain added urea-formaldehyde. The project team Contractor has signed the form as required. Manufacturer documentation has been provided for at least 20% of the materials as required.

IEQc5: Indoor Chemical and Pollutant Source Control — Not Attempted

POSSIBLE POINTS: 1

IEQc6.1: Controllability of Systems-Lighting — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/13/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that lighting controls are provided to enable 100% of occupants to make adjustments to suit individual task needs and preferences. A minimum of 90% of individual workstations must have individual lighting controls. The project includes shared multi-occupant spaces and lighting controls have been provided for 100% of the shared multi-occupant spaces. 100% of shared multi-occupant spaces must have lighting controls. Drawings confirming the location of the individual controls and the location of shared multi-occupant spaces, including activities and types of lighting controls have been provided.

IEQc6.2: Controllability of Systems-Thermal Comfort — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/13/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the project has selected the Licensed Professional Exemption (LPE) for this credit. The LPE has been claimed by Staci Olson. The Team Administration tab indicates that this individual holds a valid professional license and is eligible to claim the LPE. A minimum of 50% of individual workstations must have individual thermal controls. 100% of shared multi-occupant spaces must have thermal controls. The project is mechanically ventilated. The project team Mechanical Designer has signed the form as required. Drawings confirming the location of the individual thermal controls and the location of shared multi-occupant spaces thermal controls have been provided.

However, based on the documentation provided, it is unclear whether at least 50% of the space occupants have the ability to make adjustments to suit individual needs and preferences. To satisfy this portion of the requirement, all open plan workstations, private offices, and reception stations must be included in the calculations. Confirm that 50% or more of individuals occupying these locations have at least one means of individual control over thermal comfort.

TECHNICAL ADVICE:

Please provide documentation to demonstrate that at least 50% of occupants are provided with temperature and ventilation adjustments.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

A revised floor plan indicating the location of the individual thermal controls and the location of shared multi-occupant spaces thermal

controls have been provided.

However, based on the documentation provided, it does not appear that 50% of the space occupants have the ability to make adjustments to suit individual needs and preferences. To satisfy this portion of the requirement, all open plan workstations, private offices, and reception stations must be included in the calculations. Confirmation that 50% or more of individuals occupying these locations have at least one means of individual control over thermal comfort has not been provided.

The documentation does not demonstrate credit compliance.

08/23/2012 REVISED REVIEW COMMENT

A revised floor plan indicating the location of the individual thermal controls and the location of shared multi-occupant spaces thermal controls have been provided. The documentation demonstrates credit compliance.

IEQc7.1: Thermal Comfort-Design — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/22/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that the mechanically ventilated and mechanically conditioned project space is in compliance with ASHRAE 55-2004. The project has utilized figure 5.2.1.1 to determine credit compliance. The metabolic rate and clothing insulation, weather design conditions, and operating conditions have been provided for both the cooling and heating mode. Local discomfort effects have been considered and are considered unlikely. Supporting documentation to confirm that all design conditions fall within the ASHRAE 55-2004 acceptable ranges has been provided.

IEQc7.2: Thermal Comfort-Verification — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

02/22/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been provided stating that a permanent monitoring system and process for corrective action are in place to ensure performance to the desired comfort criteria as determined by the credit requirements. The project Owner has signed the form as required. A sample questionnaire and a narrative which identifies the comfort criteria, strategy for ensuring performance to the comfort criteria, description of the permanent monitoring system implemented, and process for corrective action have been provided.

IEQc8.1: Daylight and Views-Daylight — Not Attempted

POSSIBLE POINTS: 1

IEQc8.2: Daylight and Views-Views — Not Attempted

POSSIBLE POINTS: 1

Innovation in Design

IDc1.1: Innovation in Design — Denied

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 1, PENDING: 0, AWARDED: 0

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project achieves exemplary performance for WEc2 Innovative Wastewater Technologies as specified in the LEED Reference Guide for Green Building Design and Construction, 2009 Edition (Updated June 2010). The requirement for exemplary performance in WEc2 is demonstrating a 100% reduction in potable water use for sewage conveyance, or by demonstrating on-site treatment and either re-use or infiltration of 100% of generated wastewater.

However, the base credit is pending clarifications.

TECHNICAL ADVICE:

Please see the comments within WEc2. Ensure that any issues noted there are addressed within the exemplary performance documentation when resubmitting this credit.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

The base credit has been denied. See the comments in WEc2 for more information. The documentation does not demonstrate credit compliance.

IDc1.2: Innovation in Design — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/07/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The EACredit 1 LEED Credit Form has been provided indicating that the provided documentation demonstrates an energy cost improvement of 44.51% compared to the ASHRAE 90.1-2004 Appendix G Baseline building. The threshold for EAc1 exemplary performance for a newly constructed building is 49.4% energy cost savings.

However, the attempted energy cost improvement does not meet the exemplary performance threshold. Additionally, EAp2 is denied pending clarifications. As such, energy cost savings cannot be confirmed.

TECHNICAL ADVICE:

Please address the comments within EAp2. Verify the revised energy cost savings meet threshold for exemplary performance.

06/12/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

The EACredit 1 LEED Credit Form has been provided indicating that the provided documentation demonstrates an energy cost improvement of 65.36% compared to the ASHRAE 90.1-2004 Appendix G Baseline building. The threshold for EAc1 exemplary performance for a newly constructed building is 49.4% energy cost savings.

The documentation demonstrates credit compliance.

IDc1.3: Innovation in Design — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project achieves exemplary performance for SSc5.2 Site Development-Maximize Open Space as specified in the LEED Reference Guide for Green Building Design and Construction, 2009 Edition (Updated June 2010). The requirement for exemplary performance in WEc2 is demonstrating that the project has doubled the amount of open space required for credit achievement. All designated open space must be within the LEED project boundary.

However, the base credit is pending clarifications.

TECHNICAL ADVICE:

Please see the comments within SSc5.2. Ensure that any issues noted there are addressed within the exemplary performance documentation when resubmitting this credit.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

The comments within SSc5.2 have been addressed and the credit has been awarded. The project team has provided documentation demonstrating that more than double the amount of required open space has been provided which meets the exemplary performance

requirement. The documentation demonstrates credit compliance.

IDc1.4: Innovation in Design — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that the project has developed and implemented a Green Housekeeping program. To receive an innovation point, the project team must demonstrate compliance with LEED-EBOM 2009 IEQp3 Green Cleaning Policy.

However, the documentation falls short of the Innovation in Design requirements for strategies not addressed in the LEED-NC v2009 Rating System.

TECHNICAL ADVICE:

Please provide the following:

1. A completed LEED-EBOM IEQp3 Prerequisite Form.

2. A Green Cleaning Policy to document that the project purchases sustainable cleaning, hard floor, and carpet care products meeting all of the sustainability criteria outlined in LEED-EBOM IEQ Credit 3.3 and purchases cleaning equipment meeting the sustainability criteria outlined in LEED-EBOM IEQ Credit 3.4. Although criteria have been identified for supplies and products, the criteria must meet IEQc3.3 and IEQc3.4.

3. A policy that includes quantitative goals and performance metrics for cleaning products and equipment. As an example, a goal could be set for a specific percentage of cleaning product purchases (by cost) to satisfy the criteria of IEQc3.3: Green Cleaning - Purchase of Sustainable Cleaning Products and Materials. Although a goal of 80% of cleaning products will meet GS-37 Green Seal approval, the measurement methods used to track performance are unclear. Additionally, a clear quantitative goal and performance metric for cleaning equipment has not been provided.

4. A policy that addresses cleaning to protect vulnerable building occupants. Although the policy states that standard operating procedures will be established, it does not specifically address standard cleaning procedures to protect vulnerable building occupants.

Alternatively, the project may attempt a different Innovation in Design strategy for the Final Review.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

A response narrative, a completed LEED-EBOM IEQp3 Prerequisite Form, invoices, a contract letter, and a revised Green Cleaning Policy have been provided to address the issues outlined in the Preliminary Review comments. The documentation demonstrates credit compliance.

IDc1.5: Innovation in Design — Not Attempted

POSSIBLE POINTS: 1

IDc2: LEED® Accredited Professional — Awarded: 1

POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

03/12/2012 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Credit Form has been submitted stating that a LEED AP has been a participant on the project development team.

However, a copy of the LEED AP award certification for Matthew Wachter has not been included as required.

TECHNICAL ADVICE:

Please provide the certificate (scanned image) for the LEED Accredited Professional on the project team. Note that this document can be uploaded to the individual profile for the team member within LEED Online.

06/13/2012 DESIGN AND CONSTRUCTION FINAL REVIEW

A revised LEED Credit Form has been provided stating that a LEED AP has been a participant on the project development team. A copy of the LEED AP award certification for Christi Weber has been included as required. The documentation demonstrates credit compliance.

Regional priority

SSc4.4: Alternative Transportation-Parking Capacity
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

SSc6.2: Stormwater Design-Quality Control
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

WEc1: Water Efficient Landscaping
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 0

WEc3: Water Use Reduction
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

MRc2: Construction Waste Management
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 0

IEQc8.1: Daylight and Views-Daylight
POSSIBLE POINTS: 1

TOTAL	**110**	**66**	**4**	**0**	**63**

REVIEW SUMMARY

Review	SUBMITTED	RETURNED	POINTS: SUBMITTED	DENIED	PENDING	AWARDED
Design and Construction Preliminary	**01/23/2012**	**03/13/2012**	**63**	**0**	**44**	**19**

Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Plf1: Minimum Program Requirements	Approved		0	0	0	0
Plf2: Project Summary Details	Approved		0	0	0	0
Plf3: Occupant and Usage Data	Approved		0	0	0	0
Plf4: Schedule and Overview Documents	Not Approved		0	0	0	0
SSp1: Construction Activity Pollution Prevention	Pending	Construction	0	0	0	0
SSc1: Site Selection	Awarded	Design	1	0	0	1
SSc4.2: Alternative Transportation-Bicycle Storage and Changing Rooms	Pending	Design	1	0	1	0
SSc4.3: Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	Pending	Design	3	0	3	0
SSc4.4: Alternative Transportation-Parking Capacity	Awarded	Design	3	0	0	3
SSc5.1: Site Development-Protect or Restore Habitat	Awarded	Construction	1	0	0	1
SSc5.2: Site Development-Maximize Open Space	Pending	Design	1	0	1	0
SSc6.1: Stormwater Design-Quantity Control	Pending	Design	1	0	1	0
SSc6.2: Stormwater Design-Quality Control	Pending	Design	2	0	2	0
SSc7.2: Heat Island Effect, Roof	Awarded	Design	1	0	0	1
SSc8: Light Pollution Reduction	Pending	Design	1	0	1	0
WEp1: Water Use Reduction, 20% Reduction	Awarded	Design	0	0	0	0
WEc1: Water Efficient Landscaping	Pending	Design	4	0	4	0
WEc2: Innovative Wastewater Technologies	Pending	Design	2	0	2	0
EAp1: Fundamental Commissioning of the Building Energy Systems	Awarded	Construction	0	0	0	0
EAp2: Minimum Energy Performance	Pending	Design	0	0	0	0
EAp3: Fundamental Refrigerant Management	Awarded	Design	0	0	0	0
EAc1: Optimize Energy Performance	Pending	Design	19	0	19	0
EAc4: Enhanced Refrigerant Management	Awarded	Design	2	0	0	2
EAc6: Green Power	Pending	Construction	2	0	2	0
MRp1: Storage and Collection of Recyclables	Awarded	Design	0	0	0	0
MRc2: Construction Waste Management	Awarded	Construction	2	0	0	2
MRc4: Recycled Content	Awarded	Construction	1	0	0	1
MRc5: Regional Materials	Pending	Construction	1	0	1	0
IEQp1: Minimum Indoor Air Quality Performance	Pending	Design	0	0	0	0
IEQp2: Environmental Tobacco Smoke (ETS) Control	Pending	Design	0	0	0	0
IEQc3.1: Construction IAQ Management Plan-During	Awarded	Construction	1	0	0	1

Construction						
IEQc3.2: Construction IAQ Management Plan-Before Occupancy	**Pending**	Construction	**1**	**0**	**1**	**0**
IEQc4.1: Low-Emitting Materials-Adhesives and Sealants	**Awarded**	Construction	**1**	**0**	**0**	**1**
IEQc4.2: Low-Emitting Materials-Paints and Coatings	**Awarded**	Construction	**1**	**0**	**0**	**1**
IEQc4.3: Low-Emitting Materials-Flooring Systems	**Awarded**	Construction	**1**	**0**	**0**	**1**
IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products	**Awarded**	Construction	**1**	**0**	**0**	**1**
IEQc6.1: Controllability of Systems-Lighting	**Awarded**	Design	**1**	**0**	**0**	**1**
IEQc6.2: Controllability of Systems-Thermal Comfort	**Pending**	Design	**1**	**0**	**1**	**0**
IEQc7.1: Thermal Comfort-Design	**Awarded**	Design	**1**	**0**	**0**	**1**
IEQc7.2: Thermal Comfort-Verification	**Awarded**	Design	**1**	**0**	**0**	**1**
IDc1.1: Innovation in Design	**Pending**	Design	**1**	**0**	**1**	**0**
IDc1.2: Innovation in Design	**Pending**	Design	**1**	**0**	**1**	**0**
IDc1.3: Innovation in Design	**Pending**	Design	**1**	**0**	**1**	**0**
IDc1.4: Green Cleaning	**Pending**	Construction	**1**	**0**	**1**	**0**
IDc2: LEED® Accredited Professional	**Pending**	Construction	**1**	**0**	**1**	**0**

Design and Construction Final	**05/22/2012**	**06/19/2012**	**44**	**5**	**0**	**39**

Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Plf1: Minimum Program Requirements	Approved		0	0	0	0
Plf2: Project Summary Details	Approved		0	0	0	0
Plf3: Occupant and Usage Data	Approved		0	0	0	0
Plf4: Schedule and Overview Documents	Approved		0	0	0	0
SSp1: Construction Activity Pollution Prevention	Awarded	Construction	0	0	0	0
SSc4.2: Alternative Transportation-Bicycle Storage and Changing Rooms	Awarded	Design	1	0	0	1
SSc4.3: Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	Awarded	Design	3	0	0	3
SSc5.2: Site Development-Maximize Open Space	Awarded	Design	1	0	0	1
SSc6.1: Stormwater Design-Quantity Control	Awarded	Design	1	0	0	1
SSc6.2: Stormwater Design-Quality Control	Awarded	Design	2	0	0	2
SSc8: Light Pollution Reduction	Awarded	Design	1	0	0	1
WEc1: Water Efficient Landscaping	Awarded	Design	4	2	0	2
WEc2: Innovative Wastewater Technologies	Awarded	Design	2	0	0	2
EAp2: Minimum Energy Performance	Awarded	Design	0	0	0	0
EAc1: Optimize Energy Performance	Awarded	Design	19	0	0	19
EAc6: Green Power	Awarded	Construction	2	0	0	2
MRc5: Regional Materials	Denied	Construction	1	1	0	0
IEQp1: Minimum Indoor Air Quality Performance	Awarded	Design	0	0	0	0
IEQp2: Environmental Tobacco Smoke (ETS) Control	Awarded	Design	0	0	0	0
IEQc3.2: Construction IAQ Management Plan-Before Occupancy	Awarded	Construction	1	0	0	1
IEQc6.2: Controllability of Systems-Thermal Comfort	Denied	Design	1	1	0	0
IDc1.1: Innovation in Design	Denied	Design	1	1	0	0
IDc1.2: Innovation in Design	Awarded	Design	1	0	0	1
IDc1.3: Innovation in Design	Awarded	Design	1	0	0	1
IDc1.4: Green Cleaning	Awarded	Construction	1	0	0	1
IDc2: LEED® Accredited Professional	Awarded	Construction	1	0	0	1

Design and Construction Appeal	**09/11/2012**	**11/27/2012**	**3**	**4**	**0**	**63**

Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
WEc3: Water Use Reduction	**Awarded**	Design	**3**	**0**	**0**	**4**