



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 certification program is administered by Green Business Certification Inc. (GBCI®).

ECC STEM Building

Project ID 1000057658
Rating system & version LEED-NC
Project registration date 05/11/2015



Construction Final Application

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

LEED 2009 NEW CONSTRUCTION

ATTEMPTED: 67, DENIED: 4, PENDING: 4, AWARDED: 61 OF 110 POINTS

SUSTAINABLE SITES 21 OF 26	
SSp1 Construction Activity Pollution Prevention	Y
SSc1 Site Selection	1 / 1
SSc2 Development Density and Community Connectivity	5 / 5
SSc3 Brownfield Redevelopment	0 / 1
SSc4.1 Alternative Transportation-Public Transportation Access	6 / 6
SSc4.2 Alternative Transportation-Bicycle Storage and Changing Rooms	0 / 1
SSc4.3 Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	3 / 3
SSc4.4 Alternative Transportation-Parking Capacity	2 / 2
SSc5.1 Site Development-Protect or Restore Habitat	0 / 1
SSc5.2 Site Development-Maximize Open Space	1 / 1
SSc6.1 Stormwater Design-Quantity Control	0 / 1
SSc6.2 Stormwater Design-Quality Control	1 / 1
SSc7.1 Heat Island Effect, Non-Roof	1 / 1
SSc7.2 Heat Island Effect-Roof	1 / 1
SSc8 Light Pollution Reduction	0 / 1

WATER EFFICIENCY 8 OF 10	
WEp1 Water Use Reduction-20% Reduction	Y
WEc1 Water Efficient Landscaping	4 / 4
WEc2 Innovative Wastewater Technologies	0 / 2
WEc3 Water Use Reduction	4 / 4

ENERGY AND ATMOSPHERE 14 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	10 / 19
EAc2 On-Site Renewable Energy	0 / 7
EAc3 Enhanced Commissioning	2 / 2
EAc4 Enhanced Refrigerant Mgmt	2 / 2
EAc5 Measurement and Verification	0 / 3
EAc6 Green Power	0 / 2

MATERIALS AND RESOURCES 2 OF 14	
MRp1 Storage and Collection of Recyclables	Y
MRC1.1 Building Reuse-Maintain Existing Walls, Floors and Roof	0 / 3
MRC1.2 Building Reuse - Maintain 50% of Interior Non-Structural Elements	0 / 1
MRC2 Construction Waste Mgmt	0 / 2
MRC3 Materials Reuse	0 / 2
MRC4 Recycled Content	1 / 2
MRC5 Regional Materials	0 / 2
MRC6 Rapidly Renewable Materials	0 / 1
MRC7 Certified Wood	1 / 1

INDOOR ENVIRONMENTAL QUALITY 9 OF 15	
IEQp1 Minimum IAQ Performance	Y
IEQp2 Environmental Tobacco Smoke (ETS) Control	Y
IEQc1 Outdoor Air Delivery Monitoring	1 / 1
IEQc2 Increased Ventilation	1 / 1
IEQc3.1 Construction IAQ Mgmt Plan-During Construction	1 / 1
IEQc3.2 Construction IAQ Mgmt Plan-Before Occupancy	0 / 1
IEQc4.1 Low-Emitting Materials-Adhesives and Sealants	1 / 1
IEQc4.2 Low-Emitting Materials-Paints and Coatings	1 / 1
IEQc4.3 Low-Emitting Materials-Flooring Systems	1 / 1
IEQc4.4 Low-Emitting Materials-Composite Wood and Agrifiber Products	0 / 1
IEQc5 Indoor Chemical and Pollutant Source Control	1 / 1
IEQc6.1 Controllability of Systems-Lighting	0 / 1
IEQc6.2 Controllability of Systems-Thermal Comfort	0 / 1
IEQc7.1 Thermal Comfort-Design	1 / 1
IEQc7.2 Thermal Comfort-Verification	1 / 1
IEQc8.1 Daylight and Views-Daylight	0 / 1
IEQc8.2 Daylight and Views-Views	0 / 1

INNOVATION IN DESIGN 5 OF 6	
IDc1.1 Innovation in Design: Design for Active Occupants	1 / 1
IDc1.1 Innovation in Design	0 / 1
IDc1.2 Innovation in Design: MRp2 PBT Source Reduction - Mercury	1 / 1
IDc1.2 Innovation in Design	0 / 1
IDc1.3 Innovation in Design: Walkable Project Site	0 / 1
IDc1.3 Innovation in Design	0 / 1
IDc1.4 Innovation in Design	0 / 1
IDc1.4 Innovation in Design: Green Building Education	1 / 1
IDc1.5 Innovation in Design: SSc5.2 Exemplary Performance	1 / 1
IDc1.5 Innovation in Design	0 / 1
IDc2 LEED® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS 2 OF 4	
SSc7.1 Heat Island Effect, Non-Roof	1 / 1
SSc7.2 Heat Island Effect-Roof	1 / 1

TOTAL 61 OF 110

CREDIT DETAILS



Project Information Forms

Pif1 : Minimum Program Requirements

Approved

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 11:19 AM

The LEED Form states that the project complies with all Minimum Program Requirements. The project will comply with MPR 6: Must Commit to Sharing Whole-Building Energy and Water Usage Data via 2: USGBC Approved Data Template. The project is located in Williamsville, New York.

Pif2 : Project Summary Details

Approved

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 11:23 AM

The form remains awarded.

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 04:52 PM

The LEED Form includes the required project summary details. There is one building in this LEED application with a total of 2 stories and 63,422 gross square feet.

Pif3 : Occupant and Usage Data

Approved

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 05:23 PM

The LEED Form includes the required occupant and usage data. The project consists primarily of core learning, laboratory, and office spaces. The average users value is 386, the peak users value is 747, and the FTE value is 37.

Pif4 : Schedule and Overview Documents

Approved

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:03 PM

The LEED Form includes the design and construction schedule. The date of substantial completion is December 30, 2017, and the date of occupancy is January 15, 2018.



Sustainable Sites

SSp1 : Construction Activity Pollution Prevention

Awarded

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 11:33 AM

The LEED Form states that the project has implemented an erosion and sedimentation control (ESC) plan that conforms to local standards and code, which are more stringent than the National Pollutant Discharge Elimination System (NPDES) program requirements.

SSc1 : Site Selection

POSSIBLE POINTS: 1

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

Awarded : 1

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:05 PM

The LEED Form states that the project site does not meet any of the prohibited criteria.

SSc2 : Development Density and Community Connectivity

POSSIBLE POINTS: 5

ATTEMPTED: 5, DENIED: 0, PENDING: 0, AWARDED: 5

Awarded : 5

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:08 PM

The LEED Form states that the project complies with Option 2: Community Connectivity.

SSc3 : Brownfield Redevelopment

POSSIBLE POINTS: 1

Not Attempted

SSc4.1 : Alternative Transportation-Public Transportation Access

POSSIBLE POINTS: 6

ATTEMPTED: 6, DENIED: 0, PENDING: 0, AWARDED: 6

Awarded : 6

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:13 PM

The LEED Form states that the project complies with Option 2: Bus Station Proximity and is located within one-quarter mile walking distance of one or more stops for two or more public, campus, or private bus lines usable by building occupants.

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

POSSIBLE POINTS: 1

Withdrawn

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

POSSIBLE POINTS: 3

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

Awarded : 3

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 12:43 PM

The LEED Form states that the project complies with Option 1 and provides preferred parking spaces for low-emitting and fuel-efficient vehicles for 5% of the total parking capacity for the campus.

SSc4.4 : Alternative Transportation-Parking Capacity

POSSIBLE POINTS: 2

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

Awarded : 2

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:18 PM

The LEED Form states that no new parking has been created within the LEED project scope of work.

SSc5.1 : Site Development-Protect or Restore Habitat**Pending : 1**

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 01:20 PM

The LEED Form states that the project complies with Case 2: Previously Developed Areas or Graded Sites. The project has restored or protected 100% of the project site excluding the building footprint using native or adapted vegetation. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. A single site plan showing the LEED project boundary and all of the restored areas with square footages has not been provided. The information in the LEED credit forms indicates that 100% of the site area outside of the building footprint has been protected or restored, whereas the drawings provided appear to show only some areas that have been protected or restored. Provide a site plan that shows all of the areas outside of the building footprint that have been restored and indicates their square footages, and shows the LEED project boundary. Adjust the information within the LEED Credit form as necessary so that the information is consistent between the form and the supporting documentation.

2. Based upon the photos provided in other credits there are vegetated areas that appear to be lawns planted with turf grass. Per previous LEED Interpretations, lawn is acceptable only if it a) is not a monoculture, b) does not require regular maintenance or mowing, and c) does not include any non-native/adapted species. Provide a narrative confirming that the lawn is not a monoculture, the lawn does not require regular maintenance or mowing and the vegetated areas do not include non-native/adapted species. If the lawn does not meet these criteria, provide revised calculations excluding these lawn areas.

SSc5.2 : Site Development-Maximize Open Space**Awarded : 1**

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:51 PM

The LEED Form states that the project complies with Case 3: Sites with Zoning Ordinances but No Open Space Requirements. The open space provided is equal to 83% of the total site area.

It is noted that the open space show in the site plan provided includes a long strip of green space that is outside of the LEED project boundary. The LEED project boundary must be kept consistent across the submittal. In this case even when the additional long strip is removed it is clear that the project meets the credit requirements, therefore compliance has not been affected by this issue. For future projects please ensure that the LEED project boundary is used consistently across the submittal.

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

POSSIBLE POINTS: 1

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

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:28 PM

The LEED Form states that storm water runoff from 90% of the average annual rainfall is captured and treated to remove 80% of the average annual post-development Total Suspended Solids (TSS).

SSc7.1 : Heat Island Effect, Non-Roof**Awarded : 1**

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 02:07 PM

The LEED Form states that the project complies with Option 1 and 89% of nonroof base building hardscape surfaces will be mitigated through the use of materials with an SRI of at least 29.

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

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 06:32 PM

The LEED Form states that the project complies with Option 1 and 132% of the building roof surface has a Solar Reflectance Index meeting the credit requirements.

SSc8 : Light Pollution Reduction

POSSIBLE POINTS: 1

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

Denied : 1

DESIGN FINAL REVIEW

Commented on 13 Jun 2017 09:44 AM

Additional documentation has been provided, however it does not demonstrate compliance at the LEED Project Boundary. Additionally, the photometric plan does not indicate 10 feet beyond the LEED Project Boundary as required.

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:07 PM

The LEED Form states that the building complies with Option 1: Reduced Input Power for interior lighting. Additionally, the form indicates that exterior lighting devices are present within the LEED Project Boundary and confirms the requirements for exterior lighting power density, site lumens, and light trespass have been met. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. The LEED Project Boundary and the light trespass limit line ten/15 feet beyond the LEED Project Boundary has not been indicated on the photometric plan. Therefore, compliance with the illuminance requirements for LZ zone cannot be confirmed. Provide a revised photometric site plan that indicates the LEED Project Boundary and the light trespass limit line that is ten/15 feet beyond the LEED Project Boundary] in order to confirm compliance with the illuminance requirements of LZ zone.
2. The documentation within SSc2 Development Density and Community Connectivity indicates that the project may not be located in an area that meets the requirements of LZ3: Medium. It appears that the area might be LZ2: Low based on all of the green space near the project. Provide a narrative and additional documentation to confirm the claimed site lighting zone classification. If applicable, revise the form and documentation to demonstrate compliance.



Water Efficiency

WEp1 : Water Use Reduction-20% Reduction

Awarded

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:42 PM

The LEED Form states that the project has reduced potable water use by 45%.

WEc1 : Water Efficient Landscaping

Awarded : 4

POSSIBLE POINTS: 4

ATTEMPTED: 4, DENIED: 0, PENDING: 0, AWARDED: 4

DESIGN FINAL REVIEW

Commented on 30 May 2017 06:55 AM

The additional documentation demonstrates compliance.

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 08:09 PM

The LEED Form states that the landscaping does not use permanent irrigation systems and that all temporary irrigation systems used for plant establishment will be removed within 18 months of installation. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide a narrative explaining the temporary irrigation strategy for landscaping, including the length of time that plantings will be watered.

WEc2 : Innovative Wastewater Technologies

Not Attempted

POSSIBLE POINTS: 2

WEc3 : Water Use Reduction

Awarded : 4

POSSIBLE POINTS: 4

ATTEMPTED: 4, DENIED: 0, PENDING: 0, AWARDED: 4

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:41 PM

The LEED Form states that the project has reduced potable water use by 45%.



Energy And Atmosphere

EAp1 : Fundamental Commissioning of the Building Energy Systems

Awarded

CONSTRUCTION PRELIMINARY REVIEW

Commented on 28 Feb 2019 05:10 PM

The LEED Form states that fundamental commissioning is complete.

EAp2 : Minimum Energy Performance

Awarded

DESIGN FINAL REVIEW

Commented on 13 Jun 2017 09:46 AM

The LEED 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 31.16%. The total predicted annual energy consumption for the project is 651,807 kWh/year of electricity and 29,185 therms/year of natural gas.

Although the following did not affect compliance, it should be noted for future projects.

Preliminary Review comment #2 requested *.BDL input summary reports indicating the fan operating schedules for the laboratory spaces in the baseline and Proposed case. The LV-G reports provided show the schedules, but not where they are applied in the models. Since the changes in simulation results align with the reported changes to the models and the laboratory exhaust is reduced to 20% during unoccupied hours in the Proposed model and to 50% in the Baseline model, these reports were not required. However, in future projects ensure that all requested supporting documentation is provided for the Final Review.

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 05:05 PM

The LEED Form states that the project complies with Option 1: Whole Building Energy Simulation and has achieved an energy cost savings of 34.18%. However, to demonstrate compliance, the following 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. Provide the following:

a. A narrative response to each Preliminary Review comment below.

b. A narrative describing any additional changes made to the energy models between the Preliminary and Final Review phases not addressed by the responses to the review comments. The mandatory comments are perceived to reduce the projected savings for the Proposed design. If the projected savings increase substantially in the Final submission, without implementing any optional comments that may improve performance, a narrative explanation for these results must be provided.

2. Based on the mechanical schedule uploaded in PIF4: Schedule and Overview Documents, the project has laboratory space with a total exhaust exceeding 5,000 cfm. Therefore, ASHRAE 90.1 Section G3.1.1 exception d must be applied. Revise the baseline model to include a separate system type 5 for the laboratories that reduces the exhaust and makeup air volume to 50% of design values during unoccupied periods, and update Table 1.4 as required. Provide the SV-A reports for the Baseline case, a brief narrative describing the laboratory sequence of operations during unoccupied periods, and *.BDL input summary reports indicating the fan operating schedules for both the baseline and propose case during occupied and unoccupied periods. (Note: If the basis of design indicates that the fume hoods and laboratory exhaust shall remain off during unoccupied periods, it must be modeled as off in both the baseline and proposed case. However, if the basis of design indicates that fume hoods and laboratory exhaust shall remain on during unoccupied periods, the baseline laboratory spaces shall be modeled per Exception G3.1.1(d), and the proposed shall be modeled as designed consistent with the sequence of operations.)

3. The equipment schedules show that the Proposed design includes preheat coils, but from the Baseline SV-A reports it does not appear that preheat coils are modeled as required (Section G3.1.2.3). Revise Table 1.4 and the Baseline model to include preheat coils with the same controls as the Proposed design.

4. It is unclear whether spaces with thermal loads varying by more than 10 Btuh/square foot or schedules varying by more than 40 equivalent full load hours per week from the other spaces on each floor were modeled with separate single zone systems in accordance with Section G3.1.1 Exception (b). Specifically, it is unclear whether the data closets served by split systems (DSS-1 and DSS-2), electric rooms with high cooling loads, and certain classrooms with high occupancy and ventilation loads meet the thresholds indicated in this exception. Note that spaces with heating or cooling loads that exceed the average heating or cooling loads of the other spaces by more than 10 Btuh due to envelope, ventilation, and/or internal loads must be modeled with separate single zone systems per Exception (b). Provide a zone loads summary report for the Baseline case, and revise the model as necessary to comply with Section G3.1.1 Exception (b) for all applicable spaces.

5. Supplemental Table 1.4 indicates that spaces designed with heating only systems have been modeled with heating and

cooling per Table G3.1.10(d). Although this is acceptable, these spaces are expected to qualify for Exception G3.1.1(b) and should be modeled with a separate System Type 3 for each thermal zone. According to the Baseline SV-A reports, all heated only spaces are served by the primary HVAC system serving the floor, except the penthouse. Revise the baseline model as required to provide separate single zone systems for all heated only spaces or provide a narrative and calculations showing that these spaces do not qualify for this exception.

Alternatively, it is acceptable to use System Types 9 or 10 from the ASHRAE 90.1-2010 Appendix G modeling protocol (or ASHRAE 90.1-2007 Addendum dn) whenever applicable. ASHRAE 90.1-2010 Appendix G establishes the Baseline system type for heated only storage buildings as System Type 9 (where the proposed case heating source is fossil fuel, fossil/electric hybrid or purchased heat) or 10 (where the proposed case heating source is electric or other). Furthermore, Section G3.1.1 Exception (e) states that thermal zones designed with heating only systems in the proposed design, serving storage rooms, stairwells, vestibules, electrical/mechanical rooms, and restrooms not exhausting or transferring air from mechanically cooled thermal zones in the proposed design shall use System Type 9 or 10 in the Baseline Building design (this exception would also apply for an enclosed heated-only parking garage or apparatus bay). Exception (f) states that if the Baseline System Type is 9 or 10, all spaces that are mechanically cooled in the proposed building design shall be assigned to a separate baseline system determined by using the area and heating source or the mechanically cooled systems.

ASHRAE 90.1-2010 defines System Type 9 as a constant volume warm air furnace, gas fired, with efficiencies based on ASHRAE 90.1-2007 Table 6.8.1E and no cooling. System Type 10 is defined as a constant volume warm air furnace, electric resistance.

Baseline system air flow rates for System Types 9 and 10 shall be determined based on the temperature differential between 105 degrees F and the design space heating temperature set point, the minimum outdoor air flow rate, or the air flow rate required to meet applicable code or accreditation standards, whichever is greater. The fan power for System Type 9 or 10 should be 0.3 Watts per cfm of Baseline heating supply airflow.

Should the system include a fan to provide non-mechanical cooling (i.e. increased fan air flow rates set to operate once indoor or outdoor temperature exceed a certain temperature, or direct or indirect evaporative cooling), the Baseline model should also include a separate fan to provide non-mechanical cooling, sized and controlled the same as the Proposed design. For non-mechanical cooling fans, the Baseline fan power should be modeled as 0.054 Watts per cfm of non-mechanical cooling airflow.

Revise Table 1.4 and the models as required and provide the updated SV-A reports for all systems in the Baseline and Proposed cases.

6. The 73.7% energy savings reported for heating does not appear to be substantiated because ventilation loads are expected to dominate the heating loads for the building, and both cases are modeled with the same operating schedule and demand controlled ventilation according to Table 1.4. While some heating savings would be justified based on the condensing boiler efficiency and envelope improvements, these efficiency measures do not appear to justify the full heating savings claimed. Confirm that the HVAC system models reflect all mandatory controls from ASHRAE 90.1-2007 Section 6, and reflect the anticipated schedule of operation for the building. Review the Baseline and Proposed inputs for the model to confirm that they conform to ASHRAE 90.1-2007 and LEED modeling protocol. After making any necessary changes to the model, if the heating savings exceeds 30%, provide a narrative justifying these savings.

REVIEW COMMENT THAT DOES NOT REQUIRE A PROJECT RESPONSE, BUT MAY LEAD TO AN IMPROVED PERFORMANCE RATING IF ADDRESSED (Optional)

7. It appears that there is an input error in Table EAp2-4 Interior Lighting Energy Use for Baseline Building at the 270-degree rotation; 11,893 kWh instead of 118,893 was entered. Revise the form and ensure that the information on the form is consistent with the simulation results.

REVIEW COMMENT THAT DOES NOT REQUIRE A PROJECT RESPONSE FOR THIS PROJECT, BUT SHOULD BE CONSIDERED AS EDUCATIONAL NOTES FOR FUTURE PROJECTS (Optional)

8. Supplemental Table 1.4 indicates that the Proposed model reflects savings for occupancy sensors in spaces where these controls are required (e.g. classrooms and possibly employee break rooms). Since the total lighting energy consumption is less than 5% of the total energy consumption in the Baseline and Proposed cases, no change is required. However, once the required revisions are made to the model, if the predicted lighting savings represents more than 5% of the total predicted savings, these controls must either be removed from the Proposed model or added to the Baseline model. Revise Table 1.4 and the models as required and provide the updated LV-B reports to confirm the reported changes.

EAp3 : Fundamental Refrigerant Management

Awarded

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:36 PM

The LEED Form states that there are no CFC-based refrigerants serving the project building.

EAc1 : Optimize Energy Performance

Awarded : 10

POSSIBLE POINTS: 19

ATTEMPTED: 10, DENIED: 2, PENDING: 0, AWARDED: 10

DESIGN FINAL REVIEW

Commented on 13 Jun 2017 09:49 AM

Additional documentation has been provided for EAp2: Minimum Energy Performance claiming an energy cost savings of 31.16%.

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:37 PM

The LEED Form states that the project has achieved an energy cost savings of 34.18%. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Refer to the comments within EAp2: Minimum Energy Performance and resubmit this credit.

EAc2 : On-Site Renewable Energy

POSSIBLE POINTS: 7

Withdrawn

EAc3 : Enhanced Commissioning

POSSIBLE POINTS: 2

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

Awarded : 2

CONSTRUCTION PRELIMINARY REVIEW

Commented on 28 Feb 2019 05:11 PM

The LEED Form states that enhanced commissioning has been implemented.

EAc4 : Enhanced Refrigerant Management

POSSIBLE POINTS: 2

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

Awarded : 2

DESIGN FINAL REVIEW

Commented on 13 Jun 2017 09:52 AM

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:39 PM

The LEED Form states 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, all fire suppression systems in the LEED 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 project is 60 per ton, which is less than the maximum allowable value of 100.

For future projects, note:

Supplemental Table 1.4 provided under EAp2: Minimum Energy Performance indicates that there are nine reach-in refrigerators and three vending machines. It is unclear if the refrigerant charge of each equipment is less than 0.5 pounds, and/or the refrigerators are standard refrigerators versus commercial refrigerators. Provide a narrative to confirm that the vending machines have a refrigerant charge of less than 0.5 pounds and that the refrigerators are standard refrigerators, or update the LEED form to include all equipment that has a refrigerant charge of greater than 0.5 pounds.

EAc5 : Measurement and Verification

POSSIBLE POINTS: 3

Withdrawn

EAc6 : Green Power

POSSIBLE POINTS: 2

Withdrawn



Materials And Resources

MRp1 : Storage and Collection of Recyclables

Awarded

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:14 PM

The LEED Form states that the project has provided appropriately sized dedicated areas for the collection and storage of materials for recycling.

MRc1.1 : Building Reuse-Maintain Existing Walls, Floors and Roof

POSSIBLE POINTS: 3

Not Attempted

MRc1.2 : Building Reuse - Maintain 50% of Interior Non-Structural Elements

POSSIBLE POINTS: 1

Not Attempted

MRc2 : Construction Waste Management

POSSIBLE POINTS: 2

Withdrawn

MRc3 : Materials Reuse

POSSIBLE POINTS: 2

Not Attempted

MRc4 : Recycled Content

POSSIBLE POINTS: 2

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Commented on 06 Mar 2019 11:56 AM

The LEED Form states that 18% of the total building materials content, by value, has been manufactured using recycled materials.

MRc5 : Regional Materials

POSSIBLE POINTS: 2

Withdrawn

MRc6 : Rapidly Renewable Materials

POSSIBLE POINTS: 1

Not Attempted

MRc7 : Certified Wood

POSSIBLE POINTS: 1

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Commented on 13 Mar 2019 06:09 PM

The LEED Form states that 88% of the total wood-based building materials are certified in accordance with the principles and criteria of the Forest Stewardship Council (FSC).



Indoor Environmental Quality

IEQp1 : Minimum Indoor Air Quality Performance

Awarded

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:40 PM

The LEED Form states that the project is mechanically ventilated and that the ventilation system has met the minimum requirements of ASHRAE 62.1-2007.

For future projects, note:

The total area of 50,356 square feet documented for this prerequisite varies substantially from the total gross area of 63,422 square feet reported in Plf2: Project Summary Details. It is unclear whether all occupiable space (as defined by ASHRAE 62.1-2007) has been accounted for within the ventilation rate procedure calculations. Although some of the difference can be attributed to non-occupiable spaces (e.g., mechanical rooms, inactive stairwells, shafts, and gross versus net area) and space types that are only required to meet the exhaust requirements of Table 6-4 (e.g., restrooms, kitchens) a justification for any difference in excess of roughly 10% must be provided. All occupiable spaces (which can include regularly occupied, non-regularly occupied, and unconditioned areas) must be provided with ventilation that meets the minimum requirements in accordance with ASHRAE 62.1-2007. If the difference in area is greater than 10%, provide a detailed narrative that describes the approximate area breakdown of the excluded spaces by space type to confirm that all occupiable spaces have been included in the calculations.

IEQp2 : Environmental Tobacco Smoke (ETS) Control

Awarded

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:11 PM

The LEED Form states that smoking is prohibited on the project site. Additionally, smoking is prohibited within the building.

IEQc1 : Outdoor Air Delivery Monitoring

Awarded : 1

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:41 PM

The LEED Form states that the project is mechanically ventilated, that a CO2 sensor has been installed within each densely occupied space, that an outdoor airflow measurement device has been installed for all systems where 20% or more of the design supply airflow services non-densely occupied spaces, and these devices are programmed to generate an alarm when the conditions vary by 10% or more from the design value.

The following issues do not affect compliance but should be noted for future projects:

1. It is unclear if the CO2 sensor alarm has been set up in compliance with this credit. The form indicates that the CO2 design value for all densely occupied spaces is 700 ppm and the air handling unit sequence of operation on the control diagram drawing indicates that the alarm will be activated when the CO2 level reaches to 1,100 ppm, which does not appear to align with 10% increase. In future projects ensure that the information provided on the form is consistent with the design control sequences and set points.
2. Although the controls information provided seems to confirm compliance, the information provided in Table IEQc1-2 should be consistent with information provided in IEQp1: minimum Indoor air Quality Performance. In future projects ensure that the information provided for systems serving non-densely occupied spaces in Table IEQc1-2 is consistent with the information provided in IEQp1.

IEQc2 : Increased Ventilation

Awarded : 1

POSSIBLE POINTS: 1

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

DESIGN FINAL REVIEW

Commented on 13 Jun 2017 09:53 AM

The additional documentation demonstrates compliance.

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:42 PM

The LEED Form states that the project is mechanically ventilated and that the breathing zone outdoor air ventilation rates to all occupied spaces have been increased by at least 30% above the minimum rates required by ASHRAE 62.1-2007. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. The calculations provided for AHU-01 indicate that the design minimum outdoor airflow is 2,290 cfm, but according to the mechanical equipment schedule provided in Plf4: Schedule and Overview Documents the minimum design outdoor air for this unit is 2,025 cfm. Although this is sufficient to meet the ASHRAE 62.1-2007 minimum required ventilation air, it is not sufficient to meet the increased ventilation requirement. If continuing to pursue this credit, provide documentation confirming that the minimum outside air for this unit has been revised as required and confirmation that this change has been incorporated into the project scope. Confirmation may be in the form of revised equipment schedules that clearly identify the required change and documentation such as a field change order that confirms the change was distributed to all interested parties.

IEQc3.1 : Construction IAQ Management Plan-During Construction

Awarded : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 01:34 PM

The LEED Form states that the project reduces air quality problems resulting from construction to promote the comfort and well-being of construction workers and building occupants.

For future projects please ensure that the photographs highlight all of the SMACNA measures implemented.

IEQc3.2 : Construction IAQ Management Plan-Before Occupancy

Pending : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 28 Feb 2019 05:13 PM

The LEED Form states that an Indoor Air Quality (IAQ) Management Plan was developed and implemented and that the project complies with Option 2: IAQ Testing. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. The air testing documentation indicates that the testing was done on April 9, 2018, whereas the project occupancy date is listed as January 10, 2018 on the Form. This credit requires that the testing is complete and compliant prior to occupancy. Confirm the date of occupancy and the dates of the testing.

IEQc4.1 : Low-Emitting Materials-Adhesives and Sealants

Awarded : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 13 Mar 2019 07:16 PM

The LEED Form states that all adhesive and sealant products used on the inside of the weatherproofing system and applied on-site have been included in the tables and comply with the VOC limits of the referenced standards for this credit.

IEQc4.2 : Low-Emitting Materials-Paints and Coatings

Awarded : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 13 Mar 2019 07:20 PM

The LEED Form states that all paint and coating products used on the inside of the weatherproofing system and applied on-site have been included in the tables and comply with the VOC limits of the referenced standards for this credit.

IEQc4.3 : Low-Emitting Materials-Flooring Systems

Awarded : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 13 Mar 2019 07:24 PM

The LEED Form states that all interior flooring materials meet or exceed applicable criteria for the Carpet and Rug Institute, South Coast Air Quality Management District, the California Department of Health Standard, or FloorScore; the carpet adhesives used have a VOC level of less than 50 g/L; all floor finishes meet the requirements of SCAQMD Rule 1113; and all tile setting adhesives and grout meet SCAQMD Rule 1168.

IEQc4.4 : Low-Emitting Materials-Composite Wood and Agrifiber Products**Pending : 1**

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 13 Mar 2019 07:34 PM

The LEED Form states that all composite wood and agrifiber products used on the interior of the building and all laminating adhesives used to fabricate on-site and shop-applied composite wood and agrifiber assemblies contain no added urea-formaldehyde resins. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Laminating adhesives have not been included in the table. Revise the form to include all laminating adhesives used to fabricate on-site and shop-applied composite wood and agrifiber assemblies. Provide additional manufacturer documentation and a narrative if necessary.

IEQc5 : Indoor Chemical and Pollutant Source Control**Awarded : 1**

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:20 PM

The LEED Form states that the project has been designed to minimize building occupant exposure to potentially hazardous particulates and chemical pollutants.

IEQc6.1 : Controllability of Systems-Lighting**Not Attempted**

POSSIBLE POINTS: 1

REVISED REVIEW COMMENT

Commented on 27 Mar 2017 08:44 PM

The LEED Form states that lighting controls are provided for 100% of building occupants and 100% of shared multi-occupant spaces to enable adjustments that meet needs and preferences. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. The documentation indicates that some multi-occupant spaces are missing from the form and do not have the required shared lighting controls, such as resource room. Occupancy and daylight sensors alone do not qualify for compliance in shared multi-occupant spaces. Note that this credit requires a high level of lighting system control in multi-occupant spaces, such as dimming or bi-level control switches. If on-off controls are used, an additional explanation must be provided to justify that the level of controls is sufficient for the uses of the space. Meeting spaces that can be subdivided must be designed with individual control of each area. Revise the form to include all multi-occupant spaces including resource room and provide documentation, such as a narrative and a revised schedule, lighting control table, or floor plans, to demonstrate that all multi-occupant spaces have adequate controls to provide functionality to suit the activities within the space.

2. It appears that sufficient individual lighting controls have not been provided for the individual workstations because some offices such as physics offices 120E, 120F, 120G, adjunct areas (120L, 214A, and 214T), and engineering office 120A have at least two workstations in each space and have been counted as one workstation. Additionally, the typical plans and mechanical plans show a fourth Adjunct office area (with five seats) which is shown on the electrical plans as Office 214R and listed as a private office. Furthermore, some occupancy sensors have been counted as individual controls for spaces such as faculty suite 120, however, these occupancy sensors do not provide individual controllability according to lighting drawings provided under this credit and floor plan provided under Pf4: Schedule and Overview Documents. Provide a revised form that includes documentation of the quantity of individual workstations (include private offices and cubicles), the quantity of individual workstations with lighting controls, the percentage of workstations provided with controls, and a narrative including the type and location of the individual controls. The narrative must specifically indicate how the lighting can be adjusted by the individual workstation occupant to suit specific task needs.

IEQc6.2 : Controllability of Systems-Thermal Comfort**Withdrawn**

POSSIBLE POINTS: 1

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

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 27 Mar 2017 08:45 PM

The LEED Form states that the mechanically ventilated and mechanically conditioned project space is in compliance with ASHRAE 55-2004.

IEQc7.2 : Thermal Comfort-Verification

POSSIBLE POINTS: 1

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

Awarded : 1

CONSTRUCTION PRELIMINARY REVIEW

Commented on 28 Feb 2019 05:14 PM

The LEED Form states that a permanent monitoring system will be installed and a thermal comfort survey of building occupants will be conducted between six and 18 months after occupancy.

IEQc8.1 : Daylight and Views-Daylight

POSSIBLE POINTS: 1

Withdrawn

IEQc8.2 : Daylight and Views-Views

POSSIBLE POINTS: 1

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

Denied : 1

DESIGN FINAL REVIEW

Commented on 30 May 2017 07:00 AM

Additional documentation has been provided, however it does not demonstrate compliance. The drawings provided shaded the areas with views, but the lines of site have not been indicated on the drawings.

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:26 PM

The LEED Form states that the project has provided direct line of sight views from 90% of all regularly occupied spaces. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide revised plan drawings indicating the lines of sight from interior spaces through perimeter vision glazing. Refer to Figures 3 and 4 within the IEQc8.2 section of the LEED BD+C v2009 Reference Guide. Ensure that any corner areas without lines of sight are accounted for in the calculations.



Innovation In Design

IDc1.1 : Innovation in Design: Design for Active Occupants

Awarded : 1

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 28 Mar 2017 08:46 AM

The LEED Form states that the project team has developed and implemented a strategy consistent with former Pilot Credit EQpc78 — Design for Active Occupants. A narrative, floor plans, elevations, lighting information, exit plans, and an interior rendering have been provided. The documentation confirms compliance.

IDc1.1 : Innovation in Design

Not Attempted

POSSIBLE POINTS: 1

IDc1.2 : Innovation in Design: MRp2 PBT Source Reduction - Mercury

Awarded : 1

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 28 Mar 2017 08:15 AM

The LEED Form states that the project has attempted a strategy similar to MRp2 PBT Source Reduction, which is part of the LEED-Healthcare rating system. A narrative and cutsheets have been provided to confirm that the project has installed all LED lighting.

It is noted that the project has not documented full compliance for LEED-Healthcare. In addition, for future projects, LEED BD+C v2009 projects must show compliance with OM v4 MR Purchasing — Lamps (<http://www.usgbc.org/node/5318467?return=/credits/new-construction/v2009/innovation-catalog>). In this case since all LED lighting has been provided compliance has not been affected and one point has been awarded.

IDc1.2 : Innovation in Design

Not Attempted

POSSIBLE POINTS: 1

IDc1.3 : Innovation in Design: Walkable Project Site

Pending : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 13 Mar 2019 07:51 PM

The LEED Form has been completed stating that the project has registered for Pilot Credit 14: Walkable Project Site. However, the document ID Walkable Project Site_Summary.pdf is unable to be opened. It appears to be a corrupt file.

Please upload a different copy of the document ID Walkable Project Site_Summary.pdf. If there is an issue with the documentation the reviewer will send a mid-review clarification so that the strategy can get two rounds of review.

IDc1.3 : Innovation in Design

Not Attempted

POSSIBLE POINTS: 1

IDc1.4 : Innovation in Design

Withdrawn

POSSIBLE POINTS: 1

IDc1.4 : Innovation in Design: Green Building Education

Awarded : 1

POSSIBLE POINTS: 1

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 12:16 PM

The LEED Form states that the project team has developed and implemented a Public Education program. This strategy is detailed in the LEED BD+C v2009 Reference Guide. The documentation provided for the development of a signage program, brochure, guided tours, and a website or electronic newsletter complies with the Reference Guide requirements.

For future projects please ensure that a tour map is provided when documenting a guided tour.

IDc1.5 : Innovation in Design: SSc5.2 Exemplary Performance**Awarded : 1**

POSSIBLE POINTS: 1

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

DESIGN PRELIMINARY REVIEW

Commented on 21 Mar 2017 07:29 PM

The LEED Form states that the project achieves exemplary performance for SSc5.2: Maximize Open Space. The requirement for exemplary performance is open space equal to or greater than 40%. The project has provided open space greater than 40%.

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

CONSTRUCTION PRELIMINARY REVIEW

Commented on 05 Mar 2019 12:04 PM

The LEED Form states that a LEED AP has been a participant on the project development team.

It is noted that the form is blank. Since the Team tab for the project, within LEED Online, lists several LEED APs compliance has not been affected.



Regional priority credits

SSc3 : Brownfield Redevelopment

POSSIBLE POINTS: 1

SSc6.1 : Stormwater Design-Quantity Control

POSSIBLE POINTS: 1

SSc7.1 : Heat Island Effect, Non-Roof

POSSIBLE POINTS: 1

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

SSc7.2 : Heat Island Effect-Roof

POSSIBLE POINTS: 1

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

EAc2 : On-Site Renewable Energy

POSSIBLE POINTS: 1

MRc1.1 : Building Reuse-Maintain Existing Walls, Floors and Roof

POSSIBLE POINTS: 1

TOTAL

110

67

4

4

61

REVIEW SUMMARY

Review			POINTS:			
	SUBMITTED	RETURNED	SUBMITTED	DENIED	PENDING	AWARDED
Design Preliminary	03/03/2017	04/01/2017	50	0	20	30
Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Project Summary Details	Approved		0	0	0	0
Occupant and Usage Data	Approved		0	0	0	0
Schedule and Overview Documents	Approved		0	0	0	0
Site Selection	Anticipated	Design	1	0	0	1
Development Density and Community Connectivity	Anticipated	Design	5	0	0	5
Alternative Transportation-Public Transportation Access	Anticipated	Design	6	0	0	6
Alternative Transportation-Parking Capacity	Anticipated	Design	2	0	0	2
Site Development-Maximize Open Space	Anticipated	Design	1	0	0	1
Stormwater Design-Quality Control	Anticipated	Design	1	0	0	1
Heat Island Effect-Roof	Anticipated	Design	2	0	0	2
Light Pollution Reduction	Pending	Design	1	0	1	0
Water Use Reduction-20% Reduction	Anticipated	Design	0	0	0	0
Water Efficient Landscaping	Pending	Design	4	0	4	0
Water Use Reduction	Anticipated	Design	4	0	0	4
Minimum Energy Performance	Pending	Design	0	0	0	0
Fundamental Refrigerant Management	Anticipated	Design	0	0	0	0
Optimize Energy Performance	Pending	Design	12	0	12	0
Enhanced Refrigerant Management	Anticipated	Design	2	0	0	2
Storage and Collection of Recyclables	Anticipated	Design	0	0	0	0
Minimum Indoor Air Quality Performance	Anticipated	Design	0	0	0	0
Environmental Tobacco Smoke (ETS) Control	Anticipated	Design	0	0	0	0
Outdoor Air Delivery Monitoring	Anticipated	Design	1	0	0	1
Increased Ventilation	Pending	Design	1	0	1	0
Indoor Chemical and Pollutant Source Control	Anticipated	Design	1	0	0	1
Thermal Comfort-Design	Anticipated	Design	1	0	0	1
Daylight and Views-Views	Pending	Design	1	0	1	0
Innovation in Design: Design for Active Occupants	Anticipated	Design	1	0	0	1
Innovation in Design: MRp2 PBT Source Reduction - Mercury	Anticipated	Design	1	0	0	1
Innovation in Design: SSc5.2 Exemplary Performance	Anticipated	Design	1	0	0	1

Design Final

05/15/2017

06/14/2017

19**4****0****17****Credit**

	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Light Pollution Reduction	Denied	Design	1	1	0	0
Water Efficient Landscaping	Anticipated	Design	4	0	0	4
Minimum Energy Performance	Anticipated	Design	0	0	0	0
Optimize Energy Performance	Anticipated	Design	10	2	0	10
Enhanced Refrigerant Management	Anticipated	Design	2	0	0	2
Increased Ventilation	Anticipated	Design	1	0	0	1
Daylight and Views-Views	Denied	Design	1	1	0	0

Construction Preliminary**02/14/2019****03/18/2019****20****0****4****16**

Credit	STATUS	TYPE	POINTS: ATTEMPTED	DENIED	PENDING	AWARDED
Minimum Program Requirements	Approved		0	0	0	0
Project Summary Details	Approved		0	0	0	0
Construction Activity Pollution Prevention	Awarded	Construction	0	0	0	0
Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	Awarded	Design	3	0	0	3
Site Development-Protect or Restore Habitat	Pending	Construction	1	0	1	0
Heat Island Effect, Non-Roof	Awarded	Construction	2	0	0	2
Fundamental Commissioning of the Building Energy Systems	Awarded	Construction	0	0	0	0
Enhanced Commissioning	Awarded	Construction	2	0	0	2
Recycled Content	Awarded	Construction	1	0	0	1
Certified Wood	Awarded	Construction	1	0	0	1
Construction IAQ Management Plan-During Construction	Awarded	Construction	1	0	0	1
Construction IAQ Management Plan-Before Occupancy	Pending	Construction	1	0	1	0
Low-Emitting Materials-Adhesives and Sealants	Awarded	Construction	1	0	0	1
Low-Emitting Materials-Paints and Coatings	Awarded	Construction	1	0	0	1
Low-Emitting Materials-Flooring Systems	Awarded	Construction	1	0	0	1
Low-Emitting Materials-Composite Wood and Agrifiber Products	Pending	Construction	1	0	1	0
Thermal Comfort-Verification	Awarded	Design	1	0	0	1
Innovation in Design: Walkable Project Site	Pending	Design	1	0	1	0
Innovation in Design: Green Building Education	Awarded	Construction	1	0	0	1
LEED® Accredited Professional	Awarded	Construction	1	0	0	1