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®).

Princetel

Project ID	1000011757
Rating system & version	LEED-NC v2009
Project registration date	12/22/2010

Certified (Platinum)

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

LEED FOR NEW CONSTRUCTION & MAJOR RENOVATIONS (V2009)

ATTEMPTED: 83, DENIED: 0, PENDING: 0, AWARDED: 83 OF 110 POINTS

SUSTAINABLE SITES	20 OF 26
SSp1 Construction Activity Pollution Prevention	Y
SSc1 Site Selection	1 / 1
SSc2 Development Density and Community Connectivity	5 / 5
SSc3 Brownfield Redevelopment	1 / 1
SSc4.1Alternative Transportation-Public Transportation Access	6 / 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	0 / 1
SSc5.2Site Development-Maximize Open Space	0 / 1
SSc6.1Stormwater Design-Quantity Control	0 / 1
SSc6.2Stormwater Design-Quality Control	0 / 1
SSc7.1Heat Island Effect, Non-Roof	0 / 1
SSc7.2Heat Island Effect-Roof	1 / 1
SSc8 Light Pollution Reduction	0 / 1

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

ENERGY AND ATMOSPHERE	31 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	7 / 7
EAc3 Enhanced Commissioning	0 / 2
EAc4 Enhanced Refrigerant Mgmt	2 / 2
EAc5 Measurement and Verification	1 / 3
EAc6 Green Power	2 / 2

MATERIALS AND RESOURCES	8 OF 14
MRp1 Storage and Collection of Recyclables	Y
MRc1.1Building Reuse-Maintain Existing Walls, Floors and Roof	3 / 3
MRc1.2Building Reuse, Maintain 50% of Interior	0 / 1
MRc2 Construction Waste Mgmt	2 / 2
MRc3 Materials Reuse	0 / 2
MRc4 Recycled Content	2 / 2

MATERIALS AND RESOURCES	CONTINUED
MRc5 Regional Materials	1 / 2
MRc6 Rapidly Renewable Materials	0 / 1
MRc7 Certified Wood	0 / 1

INDOOR ENVIRONMENTAL QUALITY	6 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	0 / 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	0 / 1
IEQc4.4Low-Emitting Materials-Composite Wood and Agrifiber Products	0 / 1
IEQc5 Indoor Chemical and Pollutant Source Control	0 / 1
IEQc6.1Controllability of Systems-Lighting	0 / 1
IEQc6.2Controllability of Systems-Thermal Comfort	0 / 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	1 / 1

INNOVATION IN DESIGN	4 OF 6
IDc1.1 Innovation in Design	0 / 1
IDc1.1 Innovation in Design	1 / 1
IDc1.2 Innovation in Design	1 / 1
IDc1.2 Innovation in Design	0 / 1
IDc1.3 Innovation in Design	1 / 1
IDc1.3 Innovation in Design	0 / 1
IDc1.4 Innovation in Design	0 / 1
IDc1.4 Innovation in Design	0 / 1
IDc1.5 Innovation in Design	0 / 1
IDc1.5 Innovation in Design	0 / 1
IDc2 LEED® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS	4 OF 4
SSc4.1Alternative Transportation-Public Transportation Access	1 / 1
SSc5.1Site Development-Protect or Restore Habitat	0 / 1
SSc6.2Stormwater Design-Quality Control	0 / 1
WEc2 Innovative Wastewater Technologies	1 / 1
EAc1 Optimize Energy Performance	1 / 1
EAc2 On-Site Renewable Energy	1 / 1

TOTAL	83 OF 110

CREDIT DETAILS

Project Information Forms

PIf1: Minimum Program Requirements **Approved**

10/06/2014 **DESIGN AND CONSTRUCTION FINAL REVIEW**

The LEED Form has been revised stating that the project will comply with MPR 6: Must Commit to Sharing Whole-Building Energy and Water Usage Data via Option 1.

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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 Option 3. The project is located in Hamilton, New Jersey.

PIf2: Project Summary Details **Approved**

10/06/2014 **DESIGN AND CONSTRUCTION FINAL REVIEW**

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08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form includes the required project summary details. There is one building in this LEED application with a total of one story and 42,880 gross square feet.

PIf3: Occupant and Usage Data **Approved**

10/06/2014 **DESIGN AND CONSTRUCTION FINAL REVIEW**

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08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form includes the required occupant and usage data. The project consists primarily of Industrial Manufacturing spaces. The average users value is 101, the peak users value is 110, and the FTE value is 100.

PIf4: Schedule and Overview Documents **Approved**

10/06/2014 **DESIGN AND CONSTRUCTION FINAL REVIEW**

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08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form includes the design and construction schedule. The date of substantial completion is March 1, 2014 and the date of occupancy is August 30, 2014. The required documents have been uploaded.

Sustainable Sites

SSp1: Construction Activity Pollution Prevention — Awarded

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project has implemented an erosion and sedimentation control (ESC) plan that conforms to the 2003 EPAConstruction General Permit (CGP).

SSc1: Site Selection — Awarded: 1

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

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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

SSc2: Development Density and Community Connectivity — Awarded: 5

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

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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

SSc3: Brownfield Redevelopment — Awarded: 1

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

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project site is defined as a brownfield by a local, state, or federal government agency and that remediation is complete.

SSc4.1: Alternative Transportation-Public Transportation Access — Awarded: 6

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

10/06/2014 **DESIGN AND CONSTRUCTION FINAL REVIEW**

The additional documentation demonstrates compliance.

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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. However, to demonstrate compliance the following must be addressed.

TECHNICAL ADVICE:

1. It is unclear from the documentation provided that the walking distance (the distance along the pedestrian path) from the main building entrance to the bus stop at the intersection of Klockner Rd. and E. State Street is 0.25 miles or less as required. Please provide a revised scaled plan or map which shows the pedestrian route from the project building main entrance to this bus stop and includes the distance along the entire walking path to confirm that the pedestrian route is 0.25 miles or less as required.

Alternatively, as described in the Reference Guide and Addenda published on 4/1/2012, a shuttle that provides direct access to a second bus line within two miles of the project site, approximately a 5-10 minute drive, and is available to all project occupants can also meet the requirements. Shuttles must connect to public transportation and operate during the most frequent commuting hours to serve the needs of project occupants. To adequately document shuttle service, provide a scaled drawing or map showing the location of the transit stops relative to the project site. Ensure that the drawing or map features a scale and clearly identifies the shuttle route and schedule between the project and the transit stops. The shuttle route must be less than a two-mile driving distance. Clarify whether all building occupants can access the shuttle from the main entrance of the project and if the shuttle operates during the most frequent commuting hours.

SSc4.2: Alternative Transportation-Bicycle — Awarded: 1

Storage and Changing Rooms
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project complies with Case 1: Commercial or Institutional Projects. Bicycle storage facilities have been provided to serve 5.45% of the LEED project FTE and transient occupants, measured at peak occupancy, and shower facilities have been provided for 2% of the LEED project FTE occupants.

SSc4.3: Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles **Awarded: 3**
POSSIBLE POINTS: 3
ATTEMPTED: 3, DENIED: 0, PENDING: 0, AWARDED: 3

10/06/2014 DESIGN AND CONSTRUCTION FINAL REVIEW

The additional documentation demonstrates compliance.

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project complies with Option 1 and provides preferred parking spaces for low-emitting and fuel-efficient vehicles for 5.21% of the total parking capacity. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide photographs or signage details that confirm that the low-emitting and fuel-efficient parking spaces are reserved.

SSc4.4: Alternative Transportation-Parking Capacity **Awarded: 2**
POSSIBLE POINTS: 2
ATTEMPTED: 2, DENIED: 0, PENDING: 0, AWARDED: 2

10/06/2014 DESIGN AND CONSTRUCTION FINAL REVIEW

The additional documentation demonstrates compliance.

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project is non-residential and is pursuing Case 1 - Option 1. Preferred parking spaces for car/vanpool vehicles have been provided for 5.21% of the total parking capacity. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. Provide photographs or signage details that confirm that the car/vanpool parking spaces are reserved as required.

SSc5.1: Site Development-Protect or Restore Habitat **Not Attempted**
POSSIBLE POINTS: 1

SSc5.2: Site Development-Maximize Open Space **Not Attempted**
POSSIBLE POINTS: 1

SSc6.1: Stormwater Design-Quantity Control **Not Attempted**
POSSIBLE POINTS: 1

SSc6.2: Stormwater Design-Quality Control **Not Attempted**
POSSIBLE POINTS: 1

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

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project complies with Option 1 and a weighted 96% of the building roof surface has a Solar Reflectance Index meeting the credit requirements.

SSc8: Light Pollution Reduction **Not Attempted**
POSSIBLE POINTS: 1

Water Efficiency

WEp1: Water Use Reduction-20%Reduction — Awarded

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project has reduced potable water use by 65.9%. The project is using an alternative compliance path and has reduced potable water use through the use of on-site captured rainwater for the flush fixtures.

WEc1: Water Efficient Landscaping — Awarded: 4

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

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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.

WEc2: Innovative Wastewater Technologies — Awarded: 2

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

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project has reduced potable water for sewage conveyance by 100% via Option 1. The reduction has been achieved by the use of non-potable water sources.

WEc3: Water Use Reduction — Awarded: 4

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

08/18/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that the project has reduced potable water use by 65.9% using an alternative compliance path for on-site captured rainwater.

Energy and Atmosphere

EAp1: Fundamental Commissioning of the Building Energy Systems — Awarded

10/06/2014 DESIGN AND CONSTRUCTION FINAL REVIEW

The additional documentation demonstrates compliance.

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that fundamental commissioning is complete. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. It is unclear if all required systems have been included within the commissioning scope of work. The summary of systems commissioned in the final commissioning report document provided states that the solar heater for domestic water has been included but does not mention the photovoltaic system. Note that all on-site renewable energy systems installed as part of the LEED project scope of work must be included in the commissioning process. Provide documentation showing that the systems listed above have been commissioned.

EAp2: Minimum Energy Performance — Awarded

08/29/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project complies with Option 1: Whole Building Energy Simulation and has achieved an energy cost savings of 53.68%. After contribution from on-site renewable energy, the total predicted annual energy consumption for the project is 232,476 kWh/year of electricity and 8,647 therms/year of natural gas.

The following issues do not affect compliance in this instance, but should be considered as educational notes for future submittals:

1. It is noted that the project uses a significant amount of on-site renewable energy but EAc2: On-Site Renewable Energy has not been attempted. This credit may be attempted for the Final Review.

2. SSc7.2: Heat Island - Roof has been attempted using reflective roofing materials. However, it does not appear that the Proposed Case roof was modeled to account for this surface. According to Table G3.1.5(Proposed)(c), the roof surface should be modeled with a reflectance of 0.45 if the reflectance of the Proposed roof is greater than 0.7 and its emittance is greater than 0.75. Otherwise, the Proposed reflectance should be 0.3. The Baseline roof should be modeled with a reflectivity of 0.3. Compliance is not affected by this issue in this case.

3. Table 1.4.5 of the supplemental spreadsheet indicates that 15% interior lighting power adjustments were made in both the Baseline and Proposed Cases per Table G3.2. However, please note that the 15% lighting power adjustment is applicable only to buildings which are non-24-hour operation and less than 5,000 SF of total conditioned floor area. For other building types, a 10% adjustment is available for use of programmable timing controls or occupancy sensors. Compliance is not affected by this issue in this case.

4. A new Section 1.4 input file has been developed and is available to project teams (http://www.usgbc.org/resources/eap2-section-14-tables-new-all-bdampc-projects-regardless-registration-date). This new input file will be required to be used for all projects registered after September 30, 2013. Project teams are encouraged to begin using this file before the required date.

EAp3: Fundamental Refrigerant Management — Awarded

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

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

EAc1: Optimize Energy Performance — Awarded: 19

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

08/19/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project has achieved an energy cost savings of 53.68%.

EAc2: On-Site Renewable Energy — Awarded: 7

POSSIBLE POINTS: 7
ATTEMPTED: 7, DENIED: 0, PENDING: 0, AWARDED: 7

10/06/2014 DESIGN AND CONSTRUCTION FINAL REVIEW

This credit was submitted for initial review during the Final Review.

The LEED Form states that the project complies with Option 1: Whole Building Energy Simulation and that the project has offset 44.02% of the total energy costs through renewable energy generated on-site.

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

08/18/2014 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, 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 92 per ton, which is less than the maximum allowable value of 100.

EAc5: Measurement and Verification — Awarded: 1

POSSIBLE POINTS: 3
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

10/06/2014 DESIGN AND CONSTRUCTION FINAL REVIEW

The revised documentation demonstrates compliance.

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project complies with Option 3 and has committed to sharing whole-building energy and water data through the ENERGY STAR Portfolio Manager. However, to demonstrate compliance, the following must be addressed.

TECHNICAL ADVICE

1. PIf1: Minimum Program Requirements indicates that the project has selected Option 3: Project Owner Commitment to Manually Track and Submit Energy and Water Data rather than Option 1: Energy and Water Data Release Form. Revise PIf1 as necessary selecting Option 1 under MPR 6 to demonstrate that whole-building energy and water data will be shared through the ENERGY STAR Portfolio Manager as required following Option 3 under this credit.

Alternatively, the project may demonstrate compliance with either Option 1 or Option 2 of this credit for the Final Review.

EAc6: Green Power — Awarded: 2

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

10/20/2014 DESIGN AND CONSTRUCTION FINAL REVIEW

This credit was submitted for initial review during the Final Review.

The LEED Form states that the project has a purchase agreement to procure Renewable Energy Credits (RECs) equal to 35% of the two-year electricity use for this LEED project that meets the Green-e definition for renewable power using Option 1: Whole Building Energy Simulation.

Materials and Resources

MRp1: Storage and Collection of Recyclables — Awarded

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

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 — Awarded: 3

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

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project is undergoing a major renovation, does not include additions, and that 98.17% of the existing structural elements are being reused.

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

POSSIBLE POINTS: 1

MRc2: Construction Waste Management — Awarded: 2

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

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project has diverted 97.47% of the on-site generated construction waste from landfill.

MRc3: Materials Reuse — Not Attempted

POSSIBLE POINTS: 2

MRc4: Recycled Content — Awarded: 2

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

08/29/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that 31.77% of the total building materials content, by value, has been manufactured using recycled materials.

The Following issues are noted:

1. The manufacturer's documentation for the LockTile vinyl tile does not specify if the recycled content is pre- or post-consumer and the calculations report this value as post-consumer. When the type of recycled content is not known, the value must be included in the pre-consumer column (lower value).

2. The Pilkington North America 1" clear insulated low-e glass is documented as containing 20% pre-consumer content. However the supporting documentation provided for this product indicates that the recycled content is glass cullet. Note that waste such as glass cullet that is crushed, re-melted, and put back into the same manufacturing process may not be considered recycled content as it does not meet the ISO 14021 definition of recycled content.

When recalculated to address these issues, 28.58% of the total building materials content, by value, has been manufactured using recycled materials.

MRc5: Regional Materials — Awarded: 1

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

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that 17.82% of the total building materials value includes materials and products that have been manufactured and extracted within 500 miles of the project site.

MRc6: Rapidly Renewable Materials — Not Attempted

POSSIBLE POINTS: 1

MRc7: Certified Wood **Not Attempted**

POSSIBLE POINTS: 1

Indoor Environmental Quality

IEQp1: Minimum Indoor Air Quality Performance — Awarded

08/29/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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. However, the following issues have been noted.

1. The zone air distribution effectiveness value (Ez) has been entered as 1.0 for all zones. As a result, it does not appear that the calculation have been performed for the worst-case conditions. Generally, worst-case conditions are during heating mode (per Table 6-2 of the standard, the Ez value is most often 0.8 for an overhead distribution system in heating mode). Provide revised Ventilation Rate Procedure calculations with an Ez of 0.8 for each zone, or provide additional information to justify that an Ez value of 1.0 is appropriate for the worst-case condition in some or all zones.

2. The system ventilation efficiency (Ev) is listed as 0.9 for both air handling systems. Ev values less than 1.0 are appropriate only for multiple zone recirculating systems, while the two systems documented are 100% outdoor air systems.

In this instance, when recalculated with an Ez value of 0.8 and an Ev value of 1.0 for all zones, the form indicates that sufficient outdoor air had been provided in all zones to meet the minimum requirements of ASHRAE 62.1-2007 using the Ventilation Rate Procedure and compliance is not affected. These issues should be considered educational notes for future projects.

IEQp2: Environmental Tobacco Smoke (ETS) Control — Awarded

08/19/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

The LEED Form states that smoking is prohibited within 25 feet of entries, outdoor air intakes, and operable windows. Additionally, smoking is prohibited within the building.

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

08/19/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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.

IEQc3.2: Construction IAQ Management Plan-Before Occupancy — Not Attempted
POSSIBLE POINTS: 1

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

08/19/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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

08/19/2014 **DESIGN AND CONSTRUCTION PRELIMINARY REVIEW**

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 — Not Attempted
POSSIBLE POINTS: 1

IEQc4.4: Low-Emitting Materials-Composite Wood and Agrifiber Products — Not Attempted
POSSIBLE POINTS: 1

IEQc5: Indoor Chemical and Pollutant Source Control — Not Attempted
POSSIBLE POINTS: 1

IEQc6.1: Controllability of Systems-Lighting — Not Attempted
POSSIBLE POINTS: 1

IEQc6.2: Controllability of Systems-Thermal Comfort — Not Attempted
POSSIBLE POINTS: 1

IEQc7.1: Thermal Comfort-Design — Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/19/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

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

IEQc7.2: Thermal Comfort-Verification — Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/19/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

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 — Not Attempted
POSSIBLE POINTS: 1

IEQc8.2: Daylight and Views-Views — Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/19/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project has provided direct line of sight views from 97.89% of all regularly occupied spaces.

Innovation in Design

IDc1.1: Innovation in Design — Not Attempted
POSSIBLE POINTS: 1

IDc1.1: Innovation in Design — Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project achieves exemplary performance for MRc2: Construction Waste Management. The requirement for exemplary performance is 95% and the project has documented 97.47%.

IDc1.2: Innovation in Design — Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project achieves exemplary performance for WEc2: Innovative Wastewater Technologies. The requirement for exemplary performance is 100% and the project has documented 100%.

IDc1.2: Innovation in Design — Not Attempted
POSSIBLE POINTS: 1

IDc1.3: Innovation in Design — Awarded: 1
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: 0, PENDING: 0, AWARDED: 1

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

The LEED Form states that the project achieves exemplary performance for WEc3: Water Use Reduction. The requirement for exemplary performance is 45% and the project has documented 65.9%.

IDc1.3: Innovation in Design — Not Attempted
POSSIBLE POINTS: 1

IDc1.4: Innovation in Design — Not Attempted
POSSIBLE POINTS: 1

IDc1.4: Innovation in Design — Not Attempted
POSSIBLE POINTS: 1

IDc1.5: Innovation in Design — Not Attempted
POSSIBLE POINTS: 1

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

08/18/2014 DESIGN AND CONSTRUCTION PRELIMINARY REVIEW

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

Regional priority

SSc4.1: Alternative Transportation-Public Transportation Access
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

WEc2: Innovative Wastewater Technologies
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

EAc1: Optimize Energy Performance
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

EAc2: On-Site Renewable Energy
POSSIBLE POINTS: 1
ATTEMPTED: 1, DENIED: , PENDING: , AWARDED: 1

TOTAL	**110**	**83**	**0**	**83**

REVIEW SUMMARY

Review	SUBMITTED	RETURNED	POINTS: SUBMITTED	DENIED	PENDING	AWARDED
Design and Construction Preliminary	**08/13/2014**	**08/29/2014**	**78**	**0**	**18**	**60**

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
SSc1: Site Selection	Awarded	Design	1	0	0	1
SSc2: Development Density and Community Connectivity	Awarded	Design	5	0	0	5
SSc3: Brow nfield Redevelopment	Awarded	Design	1	0	0	1
SSc4.1: Alternative Transportation-Public Transportation Access	Pending	Design	7	0	7	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	Pending	Design	3	0	3	0
SSc4.4: Alternative Transportation-Parking Capacity	Pending	Design	2	0	2	0
SSc7.2: Heat Island Effect, Roof	Awarded	Design	1	0	0	1
WEp1: Water Use Reduction, 20% Reduction	Awarded	Design	0	0	0	0
WEc1: Water Efficient Landscaping	Awarded	Design	4	0	0	4
WEc2: Innovative Wastew ater Technologies	Awarded	Design	3	0	0	3
WEc3: Water Use Reduction	Awarded	Design	4	0	0	4
EAp1: Fundamental Commissioning of the Building Energy Systems	Pending	Construction	0	0	0	0
EAp2: Minimum Energy Performance	Awarded	Design	0	0	0	0
EAp3: Fundamental Refrigerant Management	Awarded	Design	0	0	0	0
EAc1: Optimize Energy Performance	Awarded	Design	20	0	0	20
EAc4: Enhanced Refrigerant Management	Awarded	Design	2	0	0	2
EAc5: Measurement and Verification	Pending	Construction	1	0	1	0
MRp1: Storage and Collection of Recyclables	Awarded	Design	0	0	0	0
MRc1.1: Building Reuse-Maintain Existing Walls, Floors and Roof	Awarded	Construction	3	0	0	3
MRc2: Construction Waste Management	Awarded	Construction	2	0	0	2
MRc4: Recycled Content	Awarded	Construction	2	0	0	2
MRc5: Regional Materials	Awarded	Construction	1	0	0	1
IEQp1: Minimum Indoor Air Quality Performance	Awarded	Design	0	0	0	0
IEQp2: Environmental Tobacco Smoke (ETS) Control	Awarded	Design	0	0	0	0

IEQc3.1: Construction IAQ Management Plan-During Construction	**Awarded**	Construction	**1**	**0**	**0**	**1**
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**
IEQc7.1: Thermal Comfort-Design	**Awarded**	Design	**1**	**0**	**0**	**1**
IEQc7.2: Thermal Comfort-Verification	**Awarded**	Design	**1**	**0**	**0**	**1**
IEQc8.2: Daylight and Views-Views	**Awarded**	Design	**1**	**0**	**0**	**1**
IDc1.1: MRc2: Construction Waste	**Awarded**	Construction	**1**	**0**	**0**	**1**
IDc1.2: WEc2: Innovative Wastewater Technologies	**Awarded**	Design	**1**	**0**	**0**	**1**
IDc1.3: WEc3: Water Use Reduction	**Awarded**	Design	**1**	**0**	**0**	**1**
IDc2: LEED® Accredited Professional	**Awarded**	Construction	**1**	**0**	**0**	**1**

Design and Construction Final	10/01/2014	10/20/2014	23	0	0	23

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
SSc4.1: Alternative Transportation-Public Transportation Access	Awarded	Design	7	0	0	7
SSc4.3: Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	Awarded	Design	3	0	0	3
SSc4.4: Alternative Transportation-Parking Capacity	Awarded	Design	2	0	0	2
EAp1: Fundamental Commissioning of the Building Energy Systems	Awarded	Construction	0	0	0	0
EAc2: On-Site Renewable Energy	Awarded	Design	8	0	0	8
EAc5: Measurement and Verification	Awarded	Construction	1	0	0	1
EAc6: Green Power	Awarded	Construction	2	0	0	2