



# LEED - NC

Version 2

## How to Interpret this Report

**Purpose** The Leadership in Energy and Environmental Design (LEED) Rating System was designed by the US Green Building Council to encourage and facilitate the development of more sustainable buildings. The Rosa Parks Elementary School project was evaluated according to this system and the Final Rating is totaled below.

**Environmental Categories** The report is organized into five environmental categories as defined by LEED including: Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources and Indoor Environmental Quality. The category of Innovation and Design Process is also included.

**LEED Prerequisites** Prerequisites must be achieved. Non-compliant prerequisites must be resolved before a certification can be awarded.

**LEED Credits** The environmental categories are subdivided into the established LEED credits, which are based on desired performance goals within each category. An assessment of whether the credit is earned, pending, or rejected is made and a narrative describes the basis for the assessment.

**Achieved** The applicant has provided the mandatory documentation which supports the achievement of the credit requirements, achieving the associated points. Currently the project has scored the adjacent points in this category.

42

**Denied** The applicant has applied for a point in a particular credit, but has misinterpreted the credit intent or cannot substantiate meeting the requirements. Currently the project has the adjacent points in this category.

1

**Rating** Final Rating is Gold

Official LEED v2 Scores: Certified: 26-32 Silver Rating: 33-38 Gold Rating: 39-51 Platinum Rating: 52 +

A - Achieved  
D - Denied

A	D	Sustainable Sites	Possible Points 14
11			
0			<b>Erosion &amp; Sedimentation Control</b> <span style="float: right;">Prerequisite 1-Version 2.1</span>
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has followed an erosion and sedimentation control plan that complies with the local erosion and sedimentation control standards. The standards are equal to or more stringent than the referenced EPA standard. Additionally the project team has provided a list of the measures implemented on-site.			
1			<b>Site Selection</b> <span style="float: right;">Credit 1-Version 2.1</span>
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project site does not meet any of the prohibited criteria.			
1			<b>Urban Redevelopment</b> <span style="float: right;">Credit 2-Version 2.1</span>
Preliminary Review: The LEED v2.2 Submittal Template has been provided stating that the project site is located within a minimum of ten (10) community services and a minimum of one (1) residential district, with a minimum density of 10 units per acre. Additionally, a listing of the neighborhood services has been provided on the Template. The required site map showing the ½ mile radius and the locations of all noted services and retail developments has also been provided.			
Not Attempting			Credit 3-Version 2.1
Preliminary Review: No Comments.			
1			<b>Alternative Transportation, Public Transportation Access</b> <span style="float: right;">Credit 4.1-Version 2.1</span>
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project is served by 2 bus lines within ¼ mile of the project site. A scaled drawing showing the location of the bus stops has been provided.			
1			<b>Alternative Transportation, Bicycle Storage &amp; Changing Rooms</b> <span style="float: right;">Credit 4.2-Version 2.1</span>
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has provided bicycle storage and shower facilities for 7% of the FTE building occupants.			
Not Attempting			Credit 4.3-Version 2.1
Preliminary Review: No Comments.			
1			<b>Alternative Transportation, Parking Capacity</b> <span style="float: right;">Credit 4.4-Version 2.1</span>
Preliminary Review: The signed LEED Letter Template has been provided declaring that the parking capacity for the project does not exceed the minimum zoning requirements. Additionally, preferred parking for car/van pools has been provided to serve 8% of the building occupants. Documentation of the project's carpool program has also been included.			
a) A letter from the local building authority has been provided highlighting the project's parking requirements.			
Not Attempting			Credit 5.1-Version 2.1
Preliminary Review: No Comments.			

A - Achieved  
D - Denied

A D

- |  |  |
|--|--|
| <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 30px; text-align: center;">1</div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> | <div style="display: flex; justify-content: space-between;"><div>Reduced Site Disturbance, Development Footprint</div><div>Credit 5.2-Version 2.1</div></div> <p>Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has provided open space to exceed local zoning requirements by a minimum of 25%. The project has provided 32,563 s.f. of open space. This is 25.3% more than the minimum code requirements.</p>  |
| <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 30px; text-align: center;">1</div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> | <div style="display: flex; justify-content: space-between;"><div>Stormwater Management, Rate and Quantity</div><div>Credit 6.1-Version 2.1</div></div> <p>Preliminary Review: The LEED Submittal Template has been provided declaring that the project has implemented a stormwater management plan that results in no net increase (rate and quantity) in runoff from calculated pre-project conditions, for a 1.5 year, 24 hour peak discharge.</p> <p>A narrative has been provided describing the project's stormwater management plan and pre/post development stormwater rate and quantity calculations to support this claim.</p>   |
| <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 30px; text-align: center;">1</div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> | <div style="display: flex; justify-content: space-between;"><div>Stormwater Management, Treatment</div><div>Credit 6.2-Version 2.1</div></div> <p>Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has been designed in accordance with the referenced EPA Standard's best management practices for removal of TSS and TP. The project is reporting a minimum 80% TSS and 40% TP removal based on estimated loading from a 2-year / 24-hour storm event.</p> <p>A narrative describing the project's stormwater management plan and pre/post development stormwater rate and quantity calculations have been provided to support this claim. Calculations have been provided to demonstrate compliance with the requirements of this credit.</p>   |
| <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 30px; text-align: center;">1</div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> | <div style="display: flex; justify-content: space-between;"><div>Landscape &amp; Exterior Design to Reduce Heat Islands, Non-Roof Surfaces</div><div>Credit 7.1-Version 2.1</div></div> <p>Preliminary Review: The signed LEED Letter Template has been provided declaring that a minimum of 30% of the non-roof impervious surfaces on-site have been paved with highly reflective materials. Calculations provided in the submittal claim that of the 29,855 s.f. of total non-roof impervious surfaces, 18,445 s.f. (62%) have been paved with non-colored concrete. A site plan showing the extents of the paved areas, has been provided.</p>   |
| <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 30px; text-align: center;">1</div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> | <div style="display: flex; justify-content: space-between;"><div>Landscape &amp; Exterior Design to Reduce Heat Islands, Roof Surfaces</div><div>Credit 7.2-Version 2.1</div></div> <p>Preliminary Review: The LEED v2.2 Submittal Template has been provided verifying that the roofing materials used on the project are compliant with SRI values for a minimum of 75% of the roof surface.</p>   |
| <div style="border: 1px solid black; padding: 2px; display: inline-block; width: 30px; text-align: center;">1</div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block; margin: 0 5px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; display: inline-block;"></div> | <div style="display: flex; justify-content: space-between;"><div>Light Pollution Reduction</div><div>Credit 8-Version 2.1</div></div> <p>Preliminary Review: The signed LEED Letter Template has been provided declaring that the project's exterior lighting has been designed in accordance with the referenced IESNA guidelines. A site illumination plan, with summary calculations, has been provided to support achievement of this credit.</p> <p>The project team has provided a narrative explaining that due to zero lot line conditions, the exterior lighting design has exceeded project boundary candela restrictions of the credit in certain areas. The narrative states that in those areas it was not possible to comply with the credit's light spill restrictions, while simultaneously providing security and egress lighting. These areas are adjacent to an illuminated street. Given these conditions, exceeding the illuminance levels at the project boundary is deemed acceptable here.</p> |

A - Achieved  
D - Denied

A			D			Water Efficiency	Possible Points 5
2							
1						<b>Water Efficient Landscaping, Reduce by 50%</b> Preliminary Review: The signed LEED Letter Template has been provided declaring that the installed irrigation systems reduce potable water consumption by 60% from a calculated baseline case. A narrative has also been included describing the installed irrigation systems and landscape species.	Credit 1.1-Version 2.1
Not Attempting						<b>Water Efficient Landscaping, No Potable Use or No Irrigation</b> Preliminary Review: No Comments.	Credit 1.2-Version 2.1
Not Attempting						<b>Innovative Wastewater Technologies</b> Preliminary Review: No Comments.	Credit 2-Version 2.1
1						<b>Water Use Reduction, 20% Reduction</b> Preliminary Review: The signed LEED Letter Template and water use calculations have been provided declaring that the project has reduced potable water use by 24% from a calculated baseline design through the installation of low-flow lavatories with 10-second auto control.	Credit 3.1-Version 2.1
Not Attempting						<b>Water Use Reduction, 30% Reduction</b> Preliminary Review: No Comments.	Credit 3.2-Version 2.1

A - Achieved  
D - Denied

A			D			Energy & Atmosphere	Possible Points 17
6			1				
0						<b>Fundamental Building Systems Commissioning</b>	Prerequisite 1-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that the fundamental commissioning requirements have been completed or are under contract.							
0						<b>Minimum Energy Performance</b>	Prerequisite 2-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project complies with the minimum energy performance requirements of ASHRAE 90.1-1999.							
0						<b>CFC Reduction in HVAC&amp;R Equipment</b>	Prerequisite 3-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that base building HVAC&R systems use no CFC-based refrigerants.							

A - Achieved  
D - Denied

A D

2

☐☐

**Optimize Energy Performance, 20% New /10% Existing**

Credit 1.1-Version 2.1

Preliminary Review: The signed LEED Letter Template and supporting documentation have been submitted claiming that the project performs 22.6% better than ASHRAE 90.1-1999 requirements using the LEED ECB method. However, further documentation is required to support this claim:

The project submittal must include a quantitative summary table showing the energy savings measures incorporated in the building design; this table must include detailed data on both design and budget assumptions. This table should include both budget case and design energy case descriptions for [1] wall, roof, and floor assemblies including framing type, assembly R-values, assembly U-values, and roof reflectivity; [2] fenestration window-to-gross wall ratio, assembly U-values (including the impact of the frame on the assembly in accordance with ASHRAE 90.1-1999 Table A-17) and SHGCs; [3] HVAC system type(s) and efficiencies; [4] fan volume, power, and controls; [5] description of service water heating system type(s), efficiency, and storage tank size(s) [6] lighting power densities, and any lighting control credits taken; [7] process or equipment loads modeled for the building. [8] Building operating schedule summary. The table should provide sufficient information to justify all energy savings.

Energy Simulation Output summaries were not provided with the submitted documentation.

**TECHNICAL ADVICE:**

1. Include a quantitative summary table. A sample EAc1 submittal that includes the quantitative summary table and Energy Cost Budget table is located on the USGBC website. It is recommended that the project team refer to this sample while preparing the final EAC1 documentation. To view this document, go to [www.usgbc.org](http://www.usgbc.org) and click on LEED in the upper right of that page. Click on New Commercial Construction and Major Renovation projects. Scroll down to LEED for New Construction Version 2.1 Rating System Resources, and select Sample EAc1 Documentation.

Please provide the following simulation output summary printouts from the simulation software: ASHRAE 90.1-1999 or LEED compliance summaries (if available from the simulation software)

OR

Output summaries from the energy simulation software including energy consumption by end use, as well as total building energy consumption and cost by energy type.

The requested simulation output summary data includes BEPS & ES-D reports from DOE-2 simulation output.

**Final Review** Revised documentation has been submitted declaring that the project performs 24.45% better than ASHRAE 90.1-1999 requirements using the LEED ECB Method. Supporting documentation substantiates the projected level of savings. Energy efficiency measures incorporated into the building design include improved wall and roof insulation, slightly improved window performance, low installed lighting power densities, improved cooling efficiencies, a high performance boiler, and VSD fans.

1

☐☐

**Optimize Energy Performance, 30% New /20% Existing**

Credit 1.2-Version 2.1

Preliminary Review: See Comments under EAc1.1.

**Final Review** See Comments under EAc1.1.

Not Attempting

**Optimize Energy Performance, 40% New /30% Existing**

Credit 1.3-Version 2.1

Preliminary Review: No Comments.

Not Attempting

**Optimize Energy Performance, 50% New /40% Existing**

Credit 1.4-Version 2.1

Preliminary Review: No Comments.

A - Achieved  
D - Denied

A			D			
<input type="checkbox"/>	Not	Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<b>Optimize Energy Performance, 60% New /50% Existing</b>
						Credit 1.5-Version 2.1
						Preliminary Review: No Comments.
<input type="checkbox"/>	Not	Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<b>Renewable Energy, 5% Contribution</b>
						Credit 2.1-Version 2.1
						Preliminary Review: No Comments.
<input type="checkbox"/>	Not	Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<b>Renewable Energy, 10% Contribution</b>
						Credit 2.2-Version 2.1
						Preliminary Review: No Comments.
<input type="checkbox"/>	Not	Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<b>Renewable Energy, 20% Contribution</b>
						Credit 2.3-Version 2.1
						Preliminary Review: No Comments.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<b>Additional Commissioning</b>
						Credit 3-Version 2.1
						Preliminary Review: The signed LEED Letter Template has been provided declaring that the required additional commissioning elements have been completed or are under contract to be completed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						<b>Ozone Protection</b>
						Credit 4-Version 2.1
						Preliminary Review: The signed LEED Letter Template has been provided declaring that base building HVAC&R systems use no HCFC-based refrigerants or Halons.

A - Achieved  
D - Denied

A	D
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### Measurement & Verification

Credit 5-Version 2.1

Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has developed and implemented a measurement and verification plan consistent with Option C of the IPMVP. A copy of the project's M&V plan has been provided.

The plan does not include all of the elements required to comply with this credit. Guidance on M&V plan requirements is presented in the LEED NCv2.1 Reference Guide page 176.

#### TECHNICAL ADVICE:

Please provide a revised copy of the project's M&V plan. The revised plan should include the following information:

- 1- Indicate who will conduct the M&V.
- 2- State key assumptions about significant variables or unknowns.
- 3- Create an accurate baseline using techniques appropriate to the project.
- 4- Describe the method of ensuring accurate energy savings determination.
- 5- Define a post installation inspection plan.
- 6- Specify criteria for equipment metering, calibration, measurement period.
- 7- Define the level of accuracy to be achieved for all key components.
- 8- Indicate quality assurance measures.
- 9- Describe the contents of reports to be prepared, along with a schedule.
- 10- IPMVP standard language and terminology should be employed.

**Requirements** Install continuous metering equipment for the following end-uses: Lighting systems and controls Constant and variable motor loads Variable frequency drive (VFD) operation Chiller efficiency at variable loads (kW/ton) Cooling load Air and water economizer and heat recovery cycles Air distribution static pressures and ventilation air volumes Boiler efficiencies Building-related process energy systems and equipment Indoor water risers and outdoor irrigation systems Develop a Measurement and Verification plan that incorporates the monitoring information from the above end-uses and is consistent with Option B, C or D of the 2001 International Performance Measurement & Verification Protocol (IPMVP) Volume I: Concepts and Options for Determining Energy and Water Savings.

**Submittals** Provide the LEED Letter Template, signed by the licensed engineer or other responsible party, indicating that metering equipment has been installed for each end-use and declaring the option to be followed under IPMVP version 2001. Provide a copy of the M&V plan following IPMVP, 2001 version, including an executive summary.

**Final Review** This credit application has been withdrawn.

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

#### Green Power

Credit 6-Version 2.1

Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has a 1-year purchase agreement to procure 100% of the project's regulated annual electric energy from a power supply company. The submitted documentation includes a copy of the one-year contract with PGE to provide green power equal to 346,384 kWh of the building's total annual electric energy usage. However, further clarification is needed for EA Credit 1 to confirm that the total regulated electric energy consumption is correctly reported before credit can be awarded for Green Power.

#### TECHNICAL ADVICE

After responding to the EAc1 documentation clarification requests, confirm that the Green Power purchased is at least 50% of the regulated electric energy consumption, as reported in the final EAc1 submittal.

**Final Review** The signed LEED letter template has been provided declaring that the project has a 1-year purchase agreement to procure more than 100% of the project's regulated annual electric energy from a power supply company. The submitted documentation includes a copy of a one-year contract with PGE to provide green power equal to 346,384 kWh of the building's total regulated annual electric energy usage. This meets the requirements of this credit.



*A - Achieved*

*D - Denied*

**A**

**D**

A - Achieved  
D - Denied

A	D			
6			Materials & Resources	Possible Points 13
0			<b>Storage &amp; Collection of Recyclables</b> Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has only provided appropriately sized dedicated areas for the collection and storage of certain recycling materials.  Not all of the materials cited in the prerequisite requirements are able to be collected and stored on-site.  Per Reference Guide requirements, the project must provide collection and storage areas for the recycling of cardboard, paper, plastic, glass, and metals.  <b>TECHNICAL ADVICE:</b> Please provide documentation to confirm that appropriately sized dedicated areas for the collection and storage of recyclable materials, including cardboard, paper, plastic, glass, and metal, have been provided.  If special circumstances exist that prevent the project from meeting these requirements, please provide a detailed narrative describing the special circumstances requiring omission of these items.	Prerequisite 1-Version 2.1
Not	Attempting		<b>Building Reuse, Maintain 75% of Existing Shell</b> Preliminary Review: No Comments.	Credit 1.1-Version 2.1
Not	Attempting		<b>Building Reuse, Maintain 100% of Shell</b> Preliminary Review: No Comments.	Credit 1.2-Version 2.1
Not	Attempting		<b>Building Reuse, Maintain 100% Shell and 50% Non-Shell</b> Preliminary Review: No Comments.	Credit 1.3-Version 2.1
1			<b>Construction Waste Management, Divert 50%</b> Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has diverted 224,415 tons (97%) of on-site generated construction waste from landfill. Calculations have been provided to document the waste types and receiving agencies for recycled materials.	Credit 2.1-Version 2.1
1			<b>Construction Waste Management, Divert 75%</b> Preliminary Review: See review under MRc2.1.	Credit 2.2-Version 2.1
Not	Attempting		<b>Resource Reuse, Specify 5%</b> Preliminary Review: No Comments.	Credit 3.1-Version 2.1
Not	Attempting		<b>Resource Reuse, Specify 10%</b> Preliminary Review: No Comments.	Credit 3.2-Version 2.1

A - Achieved  
D - Denied

A			D			
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Recycled Content, Specify 5%</b> Credit 4.1-Version 2.1 Preliminary Review: The signed LEED Letter Template and calculations have been provided declaring that 10% of the total building materials content, by value, have been manufactured using recycled materials.
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Recycled Content, Specify 10%</b> Credit 4.2-Version 2.1 Preliminary Review: See review under MRc4.1.
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Local/Regional Materials, 20% Manufactured Regionally</b> Credit 5.1-Version 2.1 Preliminary Review: The signed LEED Letter Template and calculation have been provided declaring that 31% of the total building materials by value have been manufactured within 500 miles of the project site.
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Local/Regional Materials, 50% Extracted Regionally</b> Credit 5.2-Version 2.1 Preliminary Review: The signed LEED Letter Template and calculation have been provided declaring that 19% of the total building materials value (61% of the locally manufactured materials) have been manufactured using raw materials that were harvested, extracted, or recovered within 500 miles of the project site.
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Rapidly Renewable Materials</b> Credit 6-Version 2.1 Preliminary Review: No Comments.
Not Attempting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Certified Wood</b> Credit 7-Version 2.1 Preliminary Review: No Comments.

A - Achieved  
D - Denied

A	D			Indoor Environmental Quality	Possible Points 15
12					
0				<b>Minimum IAQ Performance</b>	Prerequisite 1-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project complies with the minimum IAQ performance requirements of ASHRAE 62-1999 and all approved Addenda. A supplemental narrative has been provided to document the project's compliance with the Ventilation Rate Procedure methods.					
0				<b>Environmental Tobacco Smoke (ETS) Control</b>	Prerequisite 2-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that smoking is prohibited inside buildings within the project and that designated smoking areas have been located away from building openings and air intakes.					
1				<b>Carbon Dioxide (CO2) Monitoring</b>	Credit 1-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has installed a CO2 monitoring system in accordance with the requirements of the credit. Additionally, a design narrative has been provided that describes the operational parameters, and design conditions. The submitted narrative does not indicate the quantity and location of CO2 sensors installed.					
Per guidance presented in the LEED NCv2.1 Reference Guide (pages 250 - 251) CO2 monitoring locations must be selected so they provide representative readings of the CO2 concentrations in occupied spaces. CO2 monitors should be positioned in locations that present the greatest challenges for the HVAC system to adequately ventilate. There is no documentation provided to confirm that individual sensors have been located in these occupied spaces to monitor and control CO2 concentrations.					
TECHNICAL ADVICE: Please provide drawings highlighting the locations of the installed CO2 sensors. Please include specific information to confirm that high/variable occupancy spaces within the project are served by individual sensors as indicated by the noted Reference Guide sections.					
Final Review		Drawings and a supplemental narrative have been provided highlighting the locations of the installed CO2 sensors and their operational parameters. The sensors have been installed in all high/variable occupancy spaces, including each classroom and other group multi-occupant spaces.			
Not Attempting				<b>Increase Ventilation Effectiveness</b>	Credit 2-Version 2.1
Preliminary Review: No Comments.					
1				<b>Construction IAQ Management Plan, During Construction</b>	Credit 3.1-Version 2.1
Preliminary Review: The signed LEED Letter Template has been submitted declaring that the project developed and implemented a construction IAQ management plan that followed the referenced SMACNA Guidelines. The plan indicates that the air handling equipment was sealed and not operated during construction, and that MERV 13 filtration media was installed prior to occupancy.					
Photographs, taken on a minimum of 3 different occasions, and a narrative describing the implemented IAQ measures have also been provided.					
1				<b>Construction IAQ Management Plan, Before Occupancy</b>	Credit 3.2-Version 2.1
Preliminary Review: The signed LEED Letter Template has been submitted declaring that the project conducted a two-week flushout prior to occupancy. The flush-out was conducted between 9/1/2006 and 9/16/2006. The Submittal Template further states that new MERV13 filtration media was installed prior to the flushout.					

A - Achieved  
D - Denied

A	D				
1				<b>Low-Emitting Materials, Adhesives &amp; Sealants</b>	Credit 4.1-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring 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.					
1				<b>Low-Emitting Materials, Paints</b>	Credit 4.2-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that all indoor paints comply with the VOC limits of Green Seal GS-11. A summary of all interior paints has been provided along with VOC data for each product confirming that they comply with the referenced VOC limits.					
1				<b>Low-Emitting Materials, Carpet</b>	Credit 4.3-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that installed carpet systems comply with the VOC limits of the CRI Green Label Testing Program. The submittal lists Shaw Color Play EW24 as the installed product.					
The reviewer was not able to verify that the installed carpet system complies with the VOC limits of the CRI Green Label Testing Program					
TECHNICAL ADVICE: Please provide a summary of all installed carpet systems along with manufacturer's information confirming that they comply with the referenced standard.					
Final Review The project team has provided a listing of the installed carpet systems for the project. A letter from the manufacturer has been provided clarifying that the product installed meets the Carpet and Rug Institute's Green Label Plus testing program requirements.					
Not Attempting				<b>Low-Emitting Materials, Composite Wood</b>	Credit 4.4-Version 2.1
Preliminary Review: No Comments.					
1				<b>Indoor Chemical and Pollutant Source Control</b>	Credit 5-Version 2.1
Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has installed the required indoor chemical and pollutant source control measures required by this credit.					
1				<b>Controllability of Systems, Perimeter</b>	Credit 6.1-Version 2.1
Preliminary Review: The LEED v2.2 Submittal Template has been provided listing the lighting controls available for individual workstations and shared group spaces. A narrative has also been provided describing the project's lighting control strategy with a description of the type and location of individual controls.					
Not Attempting				<b>Controllability of Systems, Non-perimeter</b>	Credit 6.2-Version 2.1
Preliminary Review: No Comments.					
1				<b>Thermal Comfort, Compliance with ASHRAE 55-1992</b>	Credit 7.1-Version 2.1
Preliminary Review: The LEED Submittal Template has been provided declaring that the project has been designed to maintain indoor comfort within the ranges established by ASHRAE Standard 55-1992, Addenda 1995. A table listing the control ranges and installed control methods has also been provided.					

A - Achieved  
D - Denied

A D

1			Thermal Comfort, Permanent Monitoring System	Credit 7.2-Version 2.1
---	--	--	--	------------------------

Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has installed a permanent temperature and humidity monitoring system that will provide control of the building zones within the thermal comfort ranges defined in ASHRAE 55-1992, Addenda 1995. These controls have been commissioned under the scope for Eap1, Fundamental Systems Commissioning.

1			Daylight and Views, Daylight 75% of Spaces	Credit 8.1-Version 2.1
---	--	--	--	------------------------

Preliminary Review: This credit was not attempted during the preliminary review.

**Final Review** The LEED Submittal Template has been provided declaring that the project has achieved a minimum 2% daylight factor in 75% of all space occupied for critical visual tasks. Calculations and highlighted drawings to support this claim have also been provided.

1			Daylight and Views, Views for 90% of Spaces	Credit 8.2-Version 2.1
---	--	--	---	------------------------

Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has provided direct line of sight views from a minimum of 90% of all space occupied for critical visual tasks. Floor plans highlighting the direct line of sight and supporting calculations have also been provided.

A - Achieved

D - Denied

A

D

5			Innovation & Design Process	Possible Points 5
1			<b>Educational Outreach Program</b> Preliminary Review: The signed LEED Letter Template has been provided declaring that an education program has been developed to present the project's sustainable design practices to occupants and visitors to the facility. The program includes at least two educational components, including a published brochure describing the project's design features and the LEED program, and public tours.	Credit 1.1-Version 2.1
1			<b>Green Housekeeping Program</b> Preliminary Review: The project team has provided an ID credit proposal for development and implementation of a green housekeeping program. The proposal and supporting documentation (policy statement and list of cleaning chemicals) meet the requirements set forth in posted CIR rulings for achievement of an ID point for a Green Housekeeping program.	Credit 1.2-Version 2.1
1			<b>Integrated Pest Management</b> Preliminary Review: The project team has provided an ID credit proposal for development and implementation of an integrated pest management program. The proposal and supporting documentation demonstrate a comprehensive and innovative program to minimize environmentally harmful pest management and is eligible for an Innovation point.	Credit 1.3-Version 2.1
1			<b>Exemplary Performance in MRc2 Construction Waste Management</b> Preliminary Review: The signed LEED Letter Template has been provided declaring that the project has achieved exemplary performance with Construction Waste Management through diverting 97% of construction waste from landfill.	Credit 1.4-Version 2.1
1			<b>LEED™ Accredited Professional</b> Preliminary Review: The signed LEED Letter Template has been provided declaring that a LEED AP has been a participant on the project development team. A copy of the LEED AP award certification for Katrina Shum Miller has been included as required	Credit 2-Version 2.1