



PP58

UCSB Donald Bren School of Env. Science & Mgmt

Recommended Rating:	Earned: 36	Pending: 0	Rejected: 2
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Bronze = 22-26 Silver = 27-30 Gold = 31-35 Platinum = 36 or more

Sustainable Site Planning

SP01-Credit 1

Earned: 1	Pending:	Rejected:
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Measure: **Landscaping for Erosion Control**

Comments: Submitted certification letter from civil engineer, erosion control plan and specifications, and contractor's environmental report. CREDIT EARNED.

SP02-Credit 2.1

Earned: 1	Pending:	Rejected:
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Measure: **Landscape Design to Reduce Heat Islands - Part 1**

Comments: Provided supplementary information with site plan and trees highlighted. CREDIT EARNED.

SP03-Credit 2.2

Earned:	Pending:	Rejected:
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Measure: **Landscape Design to Reduce Heat Islands - Part 2**

Comments: Provided narrative stating white cap sheet for roof material. Provided supplemental information with article stating that roof material has an albedo of 0.26. Provided supplemental information stating that other roofing options will be considered. PENDING.

SUPPLEMENTAL SUBMITTAL: Roofing cut sheet provided, credit is earned, POINT TALLIED UNDER CREDIT 2.1.

SP06-Credit 4

Earned: 1	Pending:	Rejected:
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Measure: **Reduced Habitat Disturbance**

Comments: Provided site drawings with footprint, construction area, and area calculations. CREDIT EARNED.

SP07-Credit 5.1

Earned: 1	Pending:	Rejected:
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Measure: **Site Preservation Restoration - Part 1**

Comments: Provided specifications outlining soil preservation. Provided supplemental material including existing site drawing highlighting trees to be preserved. Provided supplemental information including specifications for site clearing. CREDIT EARNED.

SP08-Credit 5.2

Earned:	Pending:	Rejected:
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Measure: **Site Preservation Restoration - Part 2**

Comments: Provided site drawings with construction limits. CREDIT EARNED, POINT TALLIED UNDER CREDIT 5.1.

SP09-Credit 5.3	Earned:	Pending:	Rejected:
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Measure: **Site Preservation Restoration - Part 3**

Comments: Provided narrative describing restoration of degraded habitat and plans showing habitat areas with area calculations. CREDIT EARNED, POINT TALLIED UNDER CREDIT 5.1.

SP10-Credit 6	Earned: 1	Pending:	Rejected:
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Measure: **Efficient Building Location**

Comments: Provided site map with distance to bus lines and bus schedules. CREDIT EARNED.

SP11-Credit 7.1	Earned: 2	Pending:	Rejected:
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Measure: **Alternative Transportation Facilities - Part 1**

Comments: Provided site plan with bicycle racks highlighted. CREDIT EARNED.

SP12-Credit 7.2	Earned:	Pending:	Rejected:
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Measure: **Alternative Transportation Facilities - Part 2**

Comments: Provided floor plan with shower area highlighted. Provided supplementary material with shower room details. CREDIT EARNED, POINT TALLIED UNDER CREDIT 7.1.

SP13-Credit 7.3	Earned:	Pending:	Rejected:
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Measure: **Alternative Transportation Facilities - Part 3**

Comments: Provided site plan with carpool spaces highlighted. CREDIT EARNED, POINT TALLIED UNDER CREDIT 7.1.

Energy Efficiency

EE01-Prerequisite 1	Earned: Y	Pending:	Rejected:
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Measure: **Building Commissioning**

Comments: Provided commissioning guidelines. CREDIT EARNED.

EE02-Prerequisite 2	Earned: Y	Pending:	Rejected:
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Measure: **Energy Efficiency**

Comments: Provided letter from engineer and energy analysis. CREDIT EARNED.

EE04-Credit 1.2	Earned: 2	Pending:	Rejected:
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Measure: **Energy Efficiency - Level 2**

Comments: Provided letter from engineer and VisualDOE energy analysis showing 23% savings over the baseline case. CREDIT EARNED.

EE05-Credit 1.3	Earned: 1	Pending:	Rejected:
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Measure: **Energy Efficiency - Level 3**

Comments: New information submitted shows very high dependence of savings on the VAV fume hood measure.

FINAL INFORMATION REQUIRED FOR ASSESMENT: The Applicant needs to provide a summary of the inputs and outputs of the model, and a description of the assumptions for establishing the baseline level of performance. FINAL RULING: Council accepts final documentation and awards this credit.

EE12-Credit 4.3	Earned: 3	Pending:	Rejected:
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Measure: **Renewable/Alternative Energy - Level 3**

Comments: Stated that 7% of the energy load will be supplied by PV cells on the roof. Currently 27% of the University energy comes from wind power. Supported by letter from UCSB with energy sources and PV plan document. CREDIT EARNED.

SUPPLEMENTAL SUBMITTAL: The Applicant indicates that the PV technology is still not installed, but that according to a letter, sufficient renewable energy is being purchased through the grid. The letter is not provided, so these points are downgraded to pending. A letter from the president's office has been provided. It identifies Enron as the supplier of renewable energy, but the product description is not provided.

FINAL INFORMATION REQUIRED FOR ASSESMENT: A letter from the energy provider describing the renewable energy products being supplied is required. The products must meet the requirements of the Green-e protocol. If the products are not currently certified by Green-e, a comparison matrix must be provided to demonstrate equivalent performance. FINAL RULING: Council accepts letter stating that UCSB will work to supply 25% of Bdg peak electrical demand from landfill gas energy.

EE13-Bonus Credit 1	Earned: 1	Pending:	Rejected:
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Measure: **Measurement and Verification**

Comments: Included letter from engineer detailing energy monitoring and specifications of system that will be installed during construction. CREDIT EARNED.

Conserving Materials & Resources

MR01-Prerequisite 1	Earned: Y	Pending:	Rejected:
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Measure: **Storage & Collection of Recyclables**

Comments: Provided drawings with recycling areas. CREDIT EARNED.

MR02-Prerequisite 2	Earned: Y	Pending:	Rejected:
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Measure: **Elimination of CFC's**

Comments: Provided letter from engineer and specifications for refrigeration requiring non-CFC refrigerant. Provided specifications describing wet fire suppression systems. CREDIT EARNED.

MR05-Credit 2.1	Earned: 1	Pending:	Rejected:
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Measure: **Resource Reuse - Level 1**

Comments: Provided refurbished furniture information and carpet specifications. Stated that 8.7% of total materials will meet credit requirements. Provided calculations for salvaged and refurbished materials. CREDIT EARNED.

MR07-Credit 3.1	Earned: 1	Pending:	Rejected:
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Measure: **Recycled Content - Level 1**

Comments: Provided calculations with recycled-content materials. Provided supplementary information including recycled content details for each material and total cost for all materials used in the building. CREDIT EARNED.

MR10-Credit 4.2	Earned: 2	Pending:	Rejected:
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Measure: **Construction Waste Management Plan - Level 2**

Comments: Submitted specifications and Construction Waste Management Plan. CREDIT EARNED.

MR11-Credit 5	Earned: 1	Pending:	Rejected:
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Measure: **Local Materials**

Comments: Provided narrative of local materials used. Provided supplementary information detailing local material suppliers and material costs. CREDIT EARNED.

MR13-Credit 6.2	Earned: 1	Pending:	Rejected:
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Measure: **Elimination of CFCs, HCFCs, and Halons - Part 2**

Comments: Provided specifications for carpet, roofing, and insulation. CREDIT EARNED.

MR14-Credit 7	Earned: 1	Pending:	Rejected:
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Measure: **Occupant Recycling Equipment**

Comments: Provided overview of the campus recycling system. Provided calculations to demonstrate that 75% of building waste stream is diverted to recycling. CREDIT EARNED.

Indoor Environmental Quality

EQ01-Prerequisite 1	Earned: Y	Pending:	Rejected:
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Measure: **Elimination & Control of Asbestos**

Comments: Provided letter stating that no asbestos will be used in building. CREDIT EARNED.

EQ02-Prerequisite 2	Earned: Y	Pending:	Rejected:
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Measure: **Indoor Air Quality**

Comments: Provided letter of certification from engineer and highlighted plans. CREDIT EARNED.

EQ03-Prerequisite 3	Earned: Y	Pending:	Rejected:
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Measure: **Smoking Ban**

Comments: Provided UCSB no smoking policy. CREDIT EARNED.

EQ04-Prerequisite 4	Earned: Y	Pending:	Rejected:
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Measure: **Thermal Comfort**

Comments: Provided letter from engineer stating conformance with standard. Provided supplementary information with comfort analysis results. CREDIT EARNED.

EQ06-Credit 1.2	Earned: 2	Pending:	Rejected:
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Measure: **Construction IAQ Management Plan - Level 2**

Comments: Provided letter from engineer and specifications requiring filters on HVAC system during construction. CREDIT EARNED.

EQ07-Credit 2.1	Earned: 1	Pending:	Rejected:
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Measure: **Low VOC Materials - Part 1**

Comments: Provided applicable specifications. Need to provide submittal data from the contractor after construction.
PENDING

SUPPLEMENTAL SUBMITTAL: No information provided regarding ADHESIVES. CREDIT REJECTED. Teleconference call revealed that previous submittal at the Council contains most required information. Some flooring systems still not submitted.

FINAL INFORMATION REQUIRED FOR ASSESSMENT: Resilient, ceramic tile and carpet system adhesive cut sheets need to be provided. Submittal should be from the contractor with supporting letter from the architect, engineer or builder certifying in writing that these materials were installed. FINAL RULING: Documentation complete, accepted by Council.

EQ08-Credit 2.2	Earned: 1	Pending:	Rejected:
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Measure: **Low VOC Materials - Part 2**

Comments: Provided applicable specifications. Need to provide submittal data from the contractor after construction.
PENDING

SUPPLEMENTAL SUBMITTAL: Information provided indicates that compliant sealants were used on the project. The statement is from the manufacturer however. LEED requires the submittal be provided by the contractor, and that the architect, engineer or builder certify in writing that these materials were installed. POINT PENDING.

Council reviewed the submittals at their location, and indicate that the credit requirements are satisfied. POINT EARNED.

EQ09-Credit 2.3	Earned:	Pending:	Rejected:
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Measure: **Low VOC Materials - Part 3**

Comments: Provided applicable specifications. Need to provide submittal data from the contractor after construction.
PENDING

SUPPLEMENTAL SUBMITTAL: Information provided indicates that compliant PAINTS were used on the project. The statement is from the manufacturer however. LEED requires the submittal be provided by the contractor, and that the architect, engineer or builder certify in writing that these materials were installed. POINT PENDING, TALLIED UNDER 2.2.

Council reviewed the submittals at their location, and indicate that the credit requirements are satisfied. POINT EARNED, TALLIED UNDER 2.2.

EQ10-Credit 3	Earned: 1	Pending:	Rejected:
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Measure: **Permanent Air Monitoring System**

Comments: Provided supplementary information with specifications, cut sheets, and plans detailing air monitoring system.
CREDIT EARNED.

EQ11-Credit 4	Earned: 1	Pending:	Rejected:
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Measure: **Chemical Storage Areas**

Comments: Provided plans highlighting chemical storage areas. Provided supplementary information with narrative and enlarged plans of chemical storage areas. CREDIT EARNED.

EQ12-Credit 5	Earned: 1	Pending:	Rejected:
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Measure: **Architectural Entryways**

Comments: Provided building plan and entryway detail. CREDIT EARNED.

Safeguarding Water

SW01-Prerequisite 1 Earned: **Y** Pending: Rejected:

Measure: **Water Conservation**

Comments: Provided fixture schedule. Provided cut sheets indicating flow rates for all plumbing fixtures. CREDIT EARNED.

SW02-Prerequisite 2 Earned: **Y** Pending: Rejected:

Measure: **Water Quality**

Comments: Provided specifications stating lead-free plumbing. CREDIT EARNED.

SW03-Credit 1 Earned: **1** Pending: Rejected:

Measure: **Water-Conserving Fixtures**

Comments: Provided narrative of water saving efforts. Provided supplementary information including cut sheets and calculations showing that 20% savings will be achieved through roof runoff reuse and sensors. CREDIT EARNED.

SW04-Credit 2 Earned: **1** Pending: Rejected:

Measure: **Water Recovery System**

Comments: Provided narrative and specifications on reclaiming roof runoff and using for irrigation and toilet flushing. Provided calculations and narrative for water recovery. CREDIT EARNED.

SW05-Credit 3 Earned: **1** Pending: Rejected:

Measure: **Water-Conserving Cooling Towers**

Comments: Provided letter from engineer and specifications for cooling towers. Need to provide shop drawings of cooling towers. PENDING.

SUPPLEMENTAL SUBMITTAL: Information provided indicates that compliant cooling towers were installed. POINT EARNED.

SW06-Credit 4 Earned: **1** Pending: Rejected:

Measure: **Water-Efficient Landscaping**

Comments: Provided narrative and landscape plan. Provided supplementary information including a letter of verification from the landscape consultant. CREDIT EARNED.

SW07-Credit 5 Earned: **1** Pending: Rejected:

Measure: **Surface Runoff Filtration**

Comments: Provided site drawing with highlighted areas and specifications. CREDIT EARNED.

SW10-Bonus Credit 2	Earned: 1	Pending:	Rejected:
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Measure: **Measurement and Verification**

Comments: Provided narrative describing measurement and verification plan. Need to provide a copy of the measurement and verification plan. PENDING.

SUPPLEMENTAL SUBMITTAL: Information provided does not support the Credit in question. The submittal is part of the commissioning plan, not a M&V plan. The intent of the credit has not been addressed, CREDIT REJECTED.

On April 16 teleconference call the 3 attributes of an M&V Plan were discussed:

- 1) Performance predictions
- 2) Measurement of the performance results
- 3) A plan for comparing the predictions against the measurements and what steps will be taken to cure any discrepancies.

FINAL INFORMATION REQUIRED FOR ASSESMENT: Provide a copy of the M&V plan describing the 3 attributes of long term performance monitoring for water efficiency. FINAL RULING: Council accepts documentation provided.

Design Excellence

EX01-Credit 1	Earned: 1	Pending:	Rejected:
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Measure: **LEED Certified Designer**

Comments: CREDIT EARNED.

EX02-Innovation Credit 2	Earned: 1	Pending:	Rejected:
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Measure: **Lab Exhaust System**

Comments: Will install this system to reduce energy use in lab exhaust systems. Included letter from engineer and specifications. CREDIT EARNED.

EX04-Innovation Credit 4	Earned:	Pending:	Rejected: 1
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Measure: **Window Interlock Switch**

Comments: The attempt is rejected on 3 counts:

- 1) Installing a control that eliminates heating when windows are open in a temperate marine climate is not expected to provide significant energy performance improvements.
- 2) A control scheme that prevents simultaneous heating and ventilation cooling is standard practice and does not constitute a new or novel approach.
- 3) The submittal provided does not indicate how the switch interacts with the system so the effectiveness of the approach cannot be evaluated.

CREDIT REJECTED.

EX05-Innovation Credit 5	Earned:	Pending:	Rejected: 1
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Measure: **CO2 Monitoring**

Comments: CO2 sensors are covered under permanent air monitoring (IEQ Credit 3). Also, no supporting documents were submitted. NO CREDIT.