

Preliminary LEED Checklist

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LEED™ Scorecard of 12/22/2010

| UBC Centre for Brain Health | | | | | | | | | |
|--|----|----|---------------------|---|-----------------------|---|-------------|--|--|
| 47 | 10 | 13 | Total Project Score | | Total Possible Points | | 70 | Resp. | LEED Comments & Considerations |
| Certified 20 to 32 points Silver 33 to 38 points Gold 39 to 51 points Platinum 52 or more points | | | | | | | | | |
| 10 | 3 | 1 | Sustainable Sites | | Possible Points | | 14 | | |
| Y | ? | N | | | | | | | |
| Y | | | Prereq 1 | Erosion & Sedimentation Control | | | | CIVIL | GC preparing plan in consultation with Civil |
| 1 | | | Credit 1 | Site Selection | | 1 | ARCH | OK | |
| 1 | | | Credit 2 | Development Density | | 1 | ARCH | Pending analysis by LEED compliance consultant | |
| 1 | 1 | | Credit 3 | Redevelopment of Contaminated Sites | | 1 | | Pending analysis by LEED compliance consultant | |
| 1 | | | Credit 4.1 | Alternative Transportation Public Transportation Access | | 1 | ARCH | Requirements met | |
| 1 | | | Credit 4.2 | Alternative Transportation Bicycle Storage & Changing Rooms | | 1 | ARCH | Requirements met, Potential campus-wide application | |
| 1 | | | Credit 4.3 | Alternative Transportation Alternative Fuel Vehicles | | 1 | ELEC | Technology and location to be determined | |
| 1 | | | Credit 4.4 | Alternative Transportation Parking Capacity | | 1 | ARCH | | |
| 1 | | | Credit 5.1 | Reduced Site Disturbance Protect or Restore Open Space | | 1 | | Grading work prevents project from achieving this credit | |
| 1 | 1 | | Credit 5.2 | Reduced Site Disturbance Development Footprint | | 1 | ARCH | Pending analysis by LEED compliance consultant | |
| 1 | | | Credit 6.1 | Stormwater Management Rate and Quantity | | 1 | LANDS/CIVIL | Pending analysis by LEED compliance consultant | |
| 1 | 1 | | Credit 6.2 | Stormwater Management Treatment | | 1 | LANDS/CIVIL | Pending analysis by LEED compliance consultant | |
| 1 | | | Credit 7.1 | Heat Island Effect Non-Roof | | 1 | ARCH | Requires use of highly reflective pavers and shading through landscaping | |
| 1 | | | Credit 7.2 | Heat Island Effect Roof | | 1 | ARCH | Confirm materials for roof membrane | |
| 1 | | | Credit 8 | Light Pollution Reduction | | 1 | ELEC | Confirm strategy with elec | |
| 4 | 1 | 1 | Water Efficiency | | Possible Points | | 5 | | |
| Y | ? | N | | | | | | | |
| 1 | | | Credit 1.1 | Water Efficient Landscaping Reduce by 50% | | 1 | LANDSCAPE | Confirm plant list with landscape | |
| 1 | | | Credit 1.2 | Water Efficient Landscaping No Potable Use or No Irrigation | | 1 | LANDSCAPE | Requires stormwater detention tank for irrigation | |
| 1 | 1 | | Credit 2 | Innovative Wastewater Technologies | | 1 | | | |
| 1 | | | Credit 3.1 | Water Use Reduction 20% Reduction | | 1 | MECH | | |
| 1 | | | Credit 3.2 | Water Use Reduction 30% Reduction | | 1 | MECH | | |
| 10 | 2 | 5 | Energy & Atmosphere | | Possible Points | | 17 | | |
| Y | ? | N | | | | | | | |
| Y | | | Prereq 1 | Fundamental Building Systems Commissioning | | | | A/M/E/LEED | |
| Y | | | Prereq 2 | Minimum Energy Performance | | | | A/M/E/LEED | |
| Y | | | Prereq 3 | CFC Reduction in HVAC&R Equipment | | | | MECH | |
| 2 | | | Credit 1.1 | Optimize Energy Performance 24% to 29% Energy Cost Saving | | 2 | A/M/E/LEED | Energy report required | |
| 2 | | | Credit 1.2 | Optimize Energy Performance 33% to 38% Energy Cost Saving | | 2 | A/M/E/LEED | | |
| 2 | | | Credit 1.3 | Optimize Energy Performance 42% to 47% Energy Cost Saving | | 2 | A/M/E/LEED | | |
| 1 | 1 | | Credit 1.4 | Optimize Energy Performance 51% to 55% Energy Cost Saving | | 2 | A/M/E/LEED | | |
| 2 | | | Credit 1.5 | Optimize Energy Performance 60% to 64% Energy Cost Saving | | 2 | | | |
| 1 | | | Credit 2.1 | Renewable Energy 5% | | 1 | | | |
| 1 | | | Credit 2.2 | Renewable Energy 10% | | 1 | | | |
| 1 | | | Credit 2.3 | Renewable Energy 20% | | 1 | | | |
| 1 | | | Credit 3 | Best Practice Commissioning | | 1 | CONTRACTOR | Pending coordination between UBC and Commissioning agent | |
| 1 | | | Credit 4 | Ozone Protection | | 1 | MECH | | |
| 1 | | | Credit 5 | Measurement & Verification | | 1 | MECH/ELEC | Confirm requirements with M/E | |
| 1 | 1 | | Credit 6 | Green Power | | 1 | UBC | Available for purchase | |

| 8 | 6 | Materials & Resources | Possible Points | 14 |
|----|---|------------------------------|---|--|
| Y | ? | N | | |
| Y | | Prereq 1 | Storage & Collection of Recyclables | ARCH Potential campus-wide application |
| | 1 | Credit 1.1 | Building Reuse, Maintain 75% of Existing Shell | 1 |
| | 1 | Credit 1.2 | Building Reuse, Maintain 95% of Existing Shell | 1 |
| | 1 | Credit 1.3 | Building Reuse, Maintain 50% of Interior Non-Structural Elements | 1 |
| 1 | | Credit 2.1 | Construction Waste Management Divert 50% | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| | | Credit 2.2 | Construction Waste Management Divert 75% | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| | 1 | Credit 3.1 | Resource Reuse, Specify 5% | 1 |
| | 1 | Credit 3.2 | Resource Reuse, Specify 10% | 1 |
| 1 | | Credit 4.1 | Recycled Content, Specify 7.5% | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 4.2 | Recycled Content, Specify 15% | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 5.1 | Regional Materials, 10% Extracted and Manufactured Regionally | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 5.2 | Regional Materials, 20% Extracted and Manufactured Regionally | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| | 1 | Credit 6 | Rapidly Renewable Materials | 1 |
| 1 | | Credit 7 | Certified Wood | 1 |
| 1 | | Credit 8 | Durable Building | 1 ARCH UBC & Arch to review system & material selections |
| 10 | 5 | Indoor Environmental Quality | Possible Points | 15 |
| Y | ? | N | | |
| Y | | Prereq 1 | Minimum IAQ Performance | MECH |
| Y | | Prereq 2 | Environmental Tobacco Smoke (ETS) Control | UBC Confirm UBC policy |
| 1 | | Credit 1 | Carbon Dioxide (CO₂) Monitoring | 1 MECH |
| | 1 | Credit 2 | Increase Ventilation Effectiveness | 1 MECH Review options with mech |
| 1 | | Credit 3.1 | Construction IAQ Management Plan During Construction | 1 ARCH/MECH Contractor responsible for E0c3.1 and 3.2 |
| 1 | | Credit 3.2 | Construction IAQ Management Plan Before Occupancy | 1 MECH Options to be reviewed around schedule re testing vs. flush out |
| 1 | | Credit 4.1 | Low-Emitting Materials, Adhesives & Sealants | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 4.2 | Low-Emitting Materials, Paints and Coating | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 4.3 | Low-Emitting Materials, Carpet | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 4.4 | Low-Emitting Materials, Composite Wood and Laminate Adhesives | 1 ARCH Spec'd; Contractor will ultimately be responsible |
| 1 | | Credit 5 | Indoor Chemical & Pollutant Source Control | 1 ARCH/MECH Confirm that req's are shown on drawings |
| | 1 | Credit 6.1 | Controllability of Systems, Perimeter | 1 Arch to review |
| 1 | | Credit 6.2 | Controllability of Systems, Non-Perimeter | 1 Discuss with Arch + Mech |
| 1 | | Credit 7.1 | Thermal Comfort, Comply with ASHRAE 55-2004 | 1 MECH Review options with mech |
| | 1 | Credit 7.2 | Thermal Comfort, Permanent Monitoring System | 1 MECH RC to provide psych chart showing no humidity control needed |
| 1 | | Credit 8.1 | Daylight & Views, Daylight 75% of Spaces | 1 ARCH/ELEC Arch to do calcs |
| 1 | | Credit 8.2 | Daylight & Views, Views for 90% of Spaces | 1 ARCH Arch to do calcs |
| 5 | | Innovation & Design Process | Possible Points | 5 |
| Y | ? | N | | |
| 1 | | Credit 1.1 | Innovation in Design Green Housekeeping | 1 UBC From USGBC LEED for Existing Buildings; UBC needs to confirm |
| 1 | | Credit 1.2 | Innovation in Design Education Program | 1 ARCH/LEED See Reference Guide for requirements |
| 1 | | Credit 1.3 | Innovation in Design Integrated Pest Mgmt | 1 UBC From USGBC LEED for Existing Buildings; UBC needs to confirm |
| 1 | | Credit 1.4 | Innovation in Design | 1 Final option to be determined by team |
| 1 | | Credit 2 | LEED® Accredited Professional | 1 LEED |