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Effects of Contract Delivery Method on the
LEED™ Score of U.S. Navy Military
Construction Projects (Fiscal Years 2004-2006)

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<http://hdl.handle.net/10945/44431>

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LEED-NC Version 2.1 Registered Project Checklist

Yes ? No

| | | | | |
|--|--|--|--------------------------|------------------|
| | | | Sustainable Sites | 14 Points |
|--|--|--|--------------------------|------------------|

| | | | | |
|----------|--|--|---|----------|
| Y | | | Prereq 1 Erosion & Sedimentation Control | Required |
| | | | Credit 1 Site Selection | 1 |
| | | | Credit 2 Development Density | 1 |
| | | | Credit 3 Brownfield Redevelopment | 1 |
| | | | Credit 4.1 Alternative Transportation , Public Transportation Access | 1 |
| | | | Credit 4.2 Alternative Transportation , Bicycle Storage & Changing Rooms | 1 |
| | | | Credit 4.3 Alternative Transportation , Alternative Fuel Vehicles | 1 |
| | | | Credit 4.4 Alternative Transportation , Parking Capacity and Carpooling | 1 |
| | | | Credit 5.1 Reduced Site Disturbance , Protect or Restore Open Space | 1 |
| | | | Credit 5.2 Reduced Site Disturbance , Development Footprint | 1 |
| | | | Credit 6.1 Stormwater Management , Rate and Quantity | 1 |
| | | | Credit 6.2 Stormwater Management , Treatment | 1 |
| | | | Credit 7.1 Landscape & Exterior Design to Reduce Heat Islands , Non-Roof | 1 |
| | | | Credit 7.2 Landscape & Exterior Design to Reduce Heat Islands , Roof | 1 |
| | | | Credit 8 Light Pollution Reduction | 1 |

Yes ? No

| | | | | |
|--|--|--|-------------------------|-----------------|
| | | | Water Efficiency | 5 Points |
|--|--|--|-------------------------|-----------------|

| | | | | |
|--|--|--|---|---|
| | | | Credit 1.1 Water Efficient Landscaping , Reduce by 50% | 1 |
| | | | Credit 1.2 Water Efficient Landscaping , No Potable Use or No Irrigation | 1 |
| | | | Credit 2 Innovative Wastewater Technologies | 1 |
| | | | Credit 3.1 Water Use Reduction , 20% Reduction | 1 |
| | | | Credit 3.2 Water Use Reduction , 30% Reduction | 1 |

Yes ? No

| | | | | |
|--|--|--|--------------------------------|------------------|
| | | | Energy & Atmosphere | 17 Points |
|--|--|--|--------------------------------|------------------|

| | | | | |
|----------|--|--|--|----------|
| Y | | | Prereq 1 Fundamental Building Systems Commissioning | Required |
| Y | | | Prereq 2 Minimum Energy Performance | Required |
| Y | | | Prereq 3 CFC Reduction in HVAC&R Equipment | Required |
| | | | Credit 1 Optimize Energy Performance | 1 to 10 |
| | | | Credit 2.1 Renewable Energy , 5% | 1 |
| | | | Credit 2.2 Renewable Energy , 10% | 1 |
| | | | Credit 2.3 Renewable Energy , 20% | 1 |
| | | | Credit 3 Additional Commissioning | 1 |
| | | | Credit 4 Ozone Depletion | 1 |
| | | | Credit 5 Measurement & Verification | 1 |
| | | | Credit 6 Green Power | 1 |

continued...

Yes ? No

Materials & Resources 13 Points

| | | | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|------------|---|----------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Prereq 1 | Storage & Collection of Recyclables | Required |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.1 | Building Reuse , Maintain 75% of Existing Shell | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.2 | Building Reuse , Maintain 100% of Shell | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.3 | Building Reuse , Maintain 100% Shell & 50% Non-Shell | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 2.1 | Construction Waste Management , Divert 50% | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 2.2 | Construction Waste Management , Divert 75% | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 3.1 | Resource Reuse , Specify 5% | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 3.2 | Resource Reuse , Specify 10% | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 4.1 | Recycled Content , Specify 5% (post-consumer + ½ post-industrial) | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 4.2 | Recycled Content , Specify 10% (post-consumer + ½ post-industrial) | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 5.1 | Local/Regional Materials , 20% Manufactured Locally | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 5.2 | Local/Regional Materials , of 20% Above, 50% Harvested Locally | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 6 | Rapidly Renewable Materials | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 7 | Certified Wood | 1 |

Yes ? No

Indoor Environmental Quality 15 Points

| | | | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|------------|---|----------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Prereq 1 | Minimum IAQ Performance | Required |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Prereq 2 | Environmental Tobacco Smoke (ETS) Control | Required |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1 | Carbon Dioxide (CO₂) Monitoring | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 2 | Ventilation Effectiveness | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 3.1 | Construction IAQ Management Plan , During Construction | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 3.2 | Construction IAQ Management Plan , Before Occupancy | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 4.1 | Low-Emitting Materials , Adhesives & Sealants | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 4.2 | Low-Emitting Materials , Paints | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 4.3 | Low-Emitting Materials , Carpet | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 4.4 | Low-Emitting Materials , Composite Wood & Agrifiber | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 5 | Indoor Chemical & Pollutant Source Control | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 6.1 | Controllability of Systems , Perimeter | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 6.2 | Controllability of Systems , Non-Perimeter | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 7.1 | Thermal Comfort , Comply with ASHRAE 55-1992 | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 7.2 | Thermal Comfort , Permanent Monitoring System | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 8.1 | Daylight & Views , Daylight 75% of Spaces | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 8.2 | Daylight & Views , Views for 90% of Spaces | 1 |

Yes ? No

Innovation & Design Process 5 Points

| | | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|------------|--|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.1 | Innovation in Design : Provide Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.2 | Innovation in Design : Provide Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.3 | Innovation in Design : Provide Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.4 | Innovation in Design : Provide Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 2 | LEED™ Accredited Professional | 1 |

Yes ? No

Project Totals (pre-certification estimates) 69 Points

Certified 26-32 points Silver 33-38 points Gold 39-51 points Platinum 52-69 points