



LEED 2009 for Existing Buildings: Operations & Maintenance

Project Checklist

Apothca - 1386 Mass Ave - Arlington

6-Oct-19

4 0 0 Sustainable Sites Possible Points: 26

| Y | ? | N | | | |
|----------|---|----------|-------------------------------------|----------------------------------------------------------------------------|---------|
| | | 0 | Credit 1 | LEED Certified Design and Construction | 4 |
| | | 0 | Credit 2 | Building Exterior and Hardscape Management Plan | 1 |
| | | 0 | Credit 3 | Integrated Pest Management, Erosion Control, and Landscape Management Plan | 1 |
| 3 | | | Credit 4 | Alternative Commuting Transportation | 3 to 15 |
| | | | <input checked="" type="checkbox"/> | Reduce by 10% | 3 |
| | | | <input type="checkbox"/> | Reduce by 13.75% | 4 |
| | | | <input type="checkbox"/> | Reduce by 17.5% | 5 |
| | | | <input type="checkbox"/> | Reduce by 21.25% | 6 |
| | | | <input type="checkbox"/> | Reduce by 25% | 7 |
| | | | <input type="checkbox"/> | Reduce by 31.25% | 8 |
| | | | <input type="checkbox"/> | Reduce by 37.5% | 9 |
| | | | <input type="checkbox"/> | Reduce by 43.75% | 10 |
| | | | <input type="checkbox"/> | Reduce by 50% | 11 |
| | | | <input type="checkbox"/> | Reduce by 56.25% | 12 |
| | | | <input type="checkbox"/> | Reduce by 62.5% | 13 |
| | | | <input type="checkbox"/> | Reduce by 68.75% | 14 |
| | | | <input type="checkbox"/> | Reduce by 75% | 15 |
| | | 0 | Credit 5 | Site Development—Protect or Restore Open Habitat | 1 |
| | | 0 | Credit 6 | Stormwater Quantity Control | 1 |
| | | 0 | Credit 7.1 | Heat Island Reduction—Non-Roof | 1 |
| | | 0 | Credit 7.2 | Heat Island Reduction—Roof | 1 |
| 1 | | | Credit 8 | Light Pollution Reduction | 1 |

Notes:
 Apothca will encourage alternative modes of transportation for all employees and is committed to a reduction of 10% or more in SOV to the facility.

 Proposed lighting is dark sky compliant.

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| 2 | 0 | 0 | Water Efficiency | Possible Points: 14 |
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| Y | ? | N | | |
| Y | | | Prereq 1 | |
| 1 | | | Credit 1 | |
| | | | Minimum Indoor Plumbing Fixture and Fitting Efficiency | |
| | | | Water Performance Measurement | 1 to 2 |
| | | | <input type="checkbox"/> 1 Whole building metering <input type="checkbox"/> 0 Submetering | 1 2 |
| 1 | | | Credit 2 | |
| | | | Additional Indoor Plumbing Fixture and Fitting Efficiency | 1 to 5 |
| | | | <input type="checkbox"/> 1 Reduce by 10% <input type="checkbox"/> Reduce by 15% <input type="checkbox"/> Reduce by 20% <input type="checkbox"/> Reduce by 25% <input type="checkbox"/> Reduce by 30% | 1 2 3 4 5 |
| | | 0 | Credit 3 | |
| | | | Water Efficient Landscaping | 1 to 5 |
| | | | <input type="checkbox"/> Reduce by 50% <input type="checkbox"/> Reduce by 62.5% <input type="checkbox"/> Reduce by 75% <input type="checkbox"/> Reduce by 87.5% <input type="checkbox"/> Reduce by 100% | 1 2 3 4 5 |
| | | 0 | Credit 4 | |
| | | | Cooling Tower Water Management | 1 to 2 |
| | | | <input type="checkbox"/> Chemical Management <input type="checkbox"/> Non-Potable Water Source Use | 1 2 |

Notes:
 Apothca will retrofit existing plumbing fixtures to water conserving fixtures whenever possible.

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| 1 | 0 | 0 | Energy and Atmosphere | Possible Points: 35 |
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| Y | ? | N |
| Y | | |
| Y | | |
| Y | | |
| 1 | | |

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| | Prereq 1 | Energy Efficiency Best Management Practices | |
| | Prereq 2 | Minimum Energy Efficiency Performance | |
| | Prereq 3 | Fundamental Refrigerant Management | |
| | Credit 1 | Optimize Energy Efficiency Performance | 1 to 18 |
| | 1 | ENERGY STAR Rating of 71 or 21st Percentile Above National Median | 1 |
| | | ENERGY STAR Rating of 73 or 23rd Percentile Above National Median | 2 |
| | | ENERGY STAR Rating of 74 or 24th Percentile Above National Median | 3 |
| | | ENERGY STAR Rating of 75 or 25th Percentile Above National Median | 4 |
| | | ENERGY STAR Rating of 76 or 26th Percentile Above National Median | 5 |
| | | ENERGY STAR Rating of 77 or 27th Percentile Above National Median | 6 |
| | | ENERGY STAR Rating of 78 or 28th Percentile Above National Median | 7 |
| | | ENERGY STAR Rating of 79 or 29th Percentile Above National Median | 8 |
| | | ENERGY STAR Rating of 80 or 30th Percentile Above National Median | 9 |
| | | ENERGY STAR Rating of 81 or 31st Percentile Above National Median | 10 |
| | | ENERGY STAR Rating of 82 or 32nd Percentile Above National Median | 11 |
| | | ENERGY STAR Rating of 83 or 33rd Percentile Above National Median | 12 |
| | | ENERGY STAR Rating of 85 or 35th Percentile Above National Median | 13 |
| | | ENERGY STAR Rating of 87 or 37th Percentile Above National Median | 14 |
| | | ENERGY STAR Rating of 89 or 39th Percentile Above National Median | 15 |
| | | ENERGY STAR Rating of 91 or 41st Percentile Above National Median | 16 |
| | | ENERGY STAR Rating of 93 or 43rd Percentile Above National Median | 17 |
| | | ENERGY STAR Rating of 95+ or 45th+ Percentile Above National Median | 18 |
| | | Credit 2.1 Existing Building Commissioning—Investigation and Analysis | 2 |
| | | Credit 2.2 Existing Building Commissioning—Implementation | 2 |
| | | Credit 2.3 Existing Building Commissioning—Ongoing Commissioning | 2 |
| | | Credit 3.1 Performance Measurement—Building Automation System | 1 |
| | | Credit 3.2 Performance Measurement—System-Level Metering | 1 to 2 |
| | | 40% Metered | 1 |
| | | 80% Metered | 2 |
| | | Credit 4 On-site and Off-site Renewable Energy | 1 to 6 |
| | | 3% On-site or 25% Off-site Renewable Energy | 1 |
| | | 4.5% On-site or 37.5% Off-site Renewable Energy | 2 |
| | | 6% On-site or 50% Off-site Renewable Energy | 3 |
| | | 7.5% On-site or 62.5% Off-site Renewable Energy | 4 |
| | | 9% On-site or 75% Off-site Renewable Energy | 5 |
| | | 12% On-site or 100% Off-site Renewable Energy | 6 |
| | | Credit 5 Enhanced Refrigerant Management | 1 |

Notes:

Apothca will choose EnergyStar rating of 71 or greater for all new equipment and will replace existing bulbs with LED wherever feasible.

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Credit 6 Emissions Reduction Reporting

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| 1 | 0 | 0 | Materials and Resources | Possible Points: 10 |
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| | Y | ? | N | | | |
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| | Y | | | Prereq 1 | Sustainable Purchasing Policy | |
| | Y | | | Prereq 2 | Solid Waste Management Policy | |
| | | | 0 | Credit 1 | Sustainable Purchasing—Ongoing Consumables | 1 |
| | | | 0 | Credit 2 | Sustainable Purchasing—Durable Goods | 1 to 2 |
| | | | | | <input type="checkbox"/> 40% of Electric-Powered Equipment | 1 |
| | | | | | <input type="checkbox"/> 40% of Furniture | 1 |
| | | | 0 | Credit 3 | Sustainable Purchasing—Facility Alterations and Additions | 1 |
| 1 | | | | Credit 4 | Sustainable Purchasing—Reduced Mercury in Lamps | 1 |
| | | | 0 | Credit 5 | Sustainable Purchasing—Food | 1 |
| | | | 0 | Credit 6 | Solid Waste Management—Waste Stream Audit | 1 |
| | | | 0 | Credit 7 | Solid Waste Management—Ongoing Consumables | 1 |
| | | | 0 | Credit 8 | Solid Waste Management—Durable Goods | 1 |
| | | | 0 | Credit 9 | Solid Waste Management—Facility Alterations and Additions | 1 |

Notes:

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| 2 | 0 | 0 | Indoor Environmental Quality | Possible Points: 15 |
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| | Y | ? | N | | | |
|---|---|---|---|------------|--------------------------------------------------------------------------------------|---|
| | Y | | | Prereq 1 | Minimum IAQ Performance | |
| | Y | | | Prereq 2 | Environmental Tobacco Smoke (ETS) Control | |
| | Y | | | Prereq 3 | Green Cleaning Policy | |
| | | | 0 | Credit 1.1 | Indoor Air Quality Best Management Practices—Indoor Air Quality Management Program | 1 |
| | | | 0 | Credit 1.2 | Indoor Air Quality Best Management Practices—Outdoor Air Delivery Monitoring | 1 |
| | | | 0 | Credit 1.3 | Indoor Air Quality Best Management Practices—Increased Ventilation | 1 |
| 1 | | | | Credit 1.4 | Indoor Air Quality Best Management Practices—Reduce Particulates in Air Distribution | 1 |
| 1 | | | | Credit 1.5 | Indoor Air Quality Best Management Practices—Facility Alterations and Additions | 1 |
| | | | 0 | Credit 2.1 | Occupant Comfort—Occupant Survey | 1 |
| | | | 0 | Credit 2.2 | Controllability of Systems—Lighting | 1 |
| | | | 0 | Credit 2.3 | Occupant Comfort—Thermal Comfort Monitoring | 1 |
| | | | 0 | Credit 2.4 | Daylight and Views | 1 |
| | | | 0 | Credit 3.1 | Green Cleaning—High Performance Cleaning Program | 1 |
| | | | 0 | Credit 3.2 | Green Cleaning—Custodial Effectiveness Assessment | 1 |
| | | | 0 | Credit 3.3 | Green Cleaning—Purchase of Sustainable Cleaning Products and Materials | 1 |
| | | | 0 | Credit 3.4 | Green Cleaning—Sustainable Cleaning Equipment | 1 |
| | | | 0 | Credit 3.5 | Green Cleaning—Indoor Chemical and Pollutant Source Control | 1 |
| | | | 0 | Credit 3.6 | Green Cleaning—Indoor Integrated Pest Management | 1 |

Notes:

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| 0 | 0 | 0 | Innovation in Operations | Possible Points: 6 |
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| Y | ? | N |
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|--------------------------|--------------------------|--------------------------|--------------------------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.1 Innovation in Operations: Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.2 Innovation in Operations: Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.3 Innovation in Operations: Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.4 Innovation in Operations: Specific Title | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 2 LEED Accredited Professional | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 3 Documenting Sustainable Building Cost Impacts | 1 |

Notes:

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| 0 | 0 | 0 | Regional Priority Credits | Possible Points: 4 |
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| Y | ? | N |
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|--------------------------|--------------------------|--------------------------|-----------------------------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.1 Regional Priority: Specific Credit | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.2 Regional Priority: Specific Credit | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.3 Regional Priority: Specific Credit | 1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Credit 1.4 Regional Priority: Specific Credit | 1 |

Notes:

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| 10 | 0 | 0 | Total | Possible Points: 110 |
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Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110