

## Operations - Version 2.2, 2008 Revision

Y - (yes) you are moderately confident that you can attain the credit.  
 ? - (maybe) it will be challenging for this project and you are uncertain of your ability to attain it but you will try.  
 N - (no) while technically possible, you currently don't expect to try to achieve this credit in this project due to cost or other tradeoffs with project goals.  
 NA - (not applicable) it is inherently physically unattainable for this particular project regardless of effort due to physical conditions or project scope.

Note: an Excel spreadsheet of this checklist is available for download at [www.gghc.org](http://www.gghc.org)

**Integrated Operations & Education** **1 Point**

Y		NA	Prereq 1	Integrated Operations & Maintenance Process	Required
Y	?	N	NA	Credit 1	Education: Staff, Patient and Community Environmental Sustainability Education <span style="float: right;">1</span>

**Sustainable Sites Management** **9 Points**

Y	?	N	NA	Credit 1.1	Site Management: Building Exterior & Hardscape Management Plan	1
Y	?	N	NA	Credit 1.2	Site Management: Integrated Pest Management, Erosion Control & Landscape Management Plan	1
Y	?	N	NA	Credit 2.1	Reduced Site Disturbance: Protect or Restore Open Space or Habitat	1
Y	?	N	NA	Credit 2.2	Reduced Site Disturbance: Structured Parking	1
Y	?	N	NA	Credit 3	Stormwater Management	1
Y	?	N	NA	Credit 4.1	Heat Island Reduction: Non-Roof	1
Y	?	N	NA	Credit 4.2	Heat Island Reduction: Roof	1
Y	?	N	NA	Credit 5.1	Connection to the Natural World: Outdoor Places of Respite	1
Y	?	N	NA	Credit 5.2	Connection to the Natural World: Exterior Access for Patients	1

**Transportation Operations** **5 Points**

Y	?	N	NA	Credit 1.1	Alternative Transportation: Commuting: 10%	1
Y	?	N	NA	Credit 1.2	Alternative Transportation: Commuting: 25%	1
Y	?	N	NA	Credit 1.3	Alternative Transportation: Commuting: 50%	1
Y	?	N	NA	Credit 1.4	Alternative Transportation: Commuting: 75%	1
Y	?	N	NA	Credit 1.5	Alternative Transportation: Allowances	1

**Facilities Management** **40 Points**

Y	?	N	NA	Prereq 1	Energy Efficiency Best Management Practices: Planning, Documentation & Opportunity Assessment	Required
Y	?	N	NA	Prereq 2	Minimum Building Energy Efficiency Performance	Required
Y	?	N	NA	Prereq 3	Refrigerant Management - Ozone Protection	Required
Y	?	N	NA	Prereq 4	Minimum Indoor Plumbing Fixture and Fitting Efficiency	Required
Y	?	N	NA	Prereq 5	Outdoor Air Introduction & Exhaust Systems	Required
Y	?	N	NA	Prereq 6	Environmental Tobacco Smoke (ETS) Control	Required

Y	?	N	NA	Credit 1.1	Optimize Energy Efficiency Performance: Energy Star score of 67 or EUI of 17% (Required per FM Prereq 2)	1
Y	?	N	NA	Credit 1.2	Optimize Energy Efficiency Performance: Energy Star score of 69 or EUI of 19% (Required per FM Prereq 2)	1
Y	?	N	NA	Credit 1.3	Optimize Energy Efficiency Performance: Energy Star score of 71 or EUI of 21% better than average	1
Y	?	N	NA	Credit 1.4	Optimize Energy Efficiency Performance: Energy Star score of 73 or EUI of 23% better than average	1
Y	?	N	NA	Credit 1.5	Optimize Energy Efficiency Performance: Energy Star score of 75 or EUI of 25% better than average	1
Y	?	N	NA	Credit 1.6	Optimize Energy Efficiency Performance: Energy Star score of 77 or EUI of 27% better than average	1
Y	?	N	NA	Credit 1.7	Optimize Energy Efficiency Performance: Energy Star score of 79 or EUI of 29% better than average	1
Y	?	N	NA	Credit 1.8	Optimize Energy Efficiency Performance: Energy Star score of 81 or EUI of 31% better than average	1
Y	?	N	NA	Credit 1.9	Optimize Energy Efficiency Performance: Energy Star score of 83 or EUI of 33% better than average	1
Y	?	N	NA	Credit 1.10	Optimize Energy Efficiency Performance: Energy Star score of 85 or EUI of 35% better than average	1
Y	?	N	NA	Credit 1.11	Optimize Energy Efficiency Performance: Energy Star score of 87 or EUI of 37% better than average	1
Y	?	N	NA	Credit 1.12	Optimize Energy Efficiency Performance: Energy Star score of 89 or EUI of 39% better than average	1
Y	?	N	NA	Credit 1.13	Optimize Energy Efficiency Performance: Energy Star score of 91 or EUI of 41% better than average	1
Y	?	N	NA	Credit 1.14	Optimize Energy Efficiency Performance: Energy Star score of 93 or EUI of 43% better than average	1
Y	?	N	NA	Credit 1.15	Optimize Energy Efficiency Performance: Energy Star score of 95+ or EUI of 45% better than average	1
Y	?	N	NA	Credit 2.1	Potable Water Use Reduction: Total Building Reduction: Reduce 10%	1
Y	?	N	NA	Credit 2.2	Potable Water Use Reduction: Total Building Reduction: Reduce 20%	1
Y	?	N	NA	Credit 2.3	Potable Water Use Reduction: Total Building Reduction: Reduce 30%	1
Y	?	N	NA	Credit 2.4	Potable Water Use Reduction: Total Building Reduction: Reduce 40%	1
Y	?	N	NA	Credit 2.5	Potable Water Use Reduction: Total Building Reduction: Reduce 50%	1
Y	?	N	NA	Credit 2.6	Potable Water Use Reduction: Water Efficient Landscaping	1

Y	?	N	NA	Credit 2.7	Potable Water Use Reduction: Cooling Tower: Chemical Management	1
Y	?	N	NA	Credit 2.8	Potable Water Use Reduction: Cooling Tower: Non-Potable Water Source Use	1
Y	?	N	NA	Credit 3.1	Existing Building Commissioning: Investigation & Analysis	1
Y	?	N	NA	Credit 3.2	Existing Building Commissioning: Implementation	1
Y	?	N	NA	Credit 3.3	Existing Building Commissioning: Ongoing Commissioning	1
Y	?	N	NA	Credit 4.1	Building Operations & Maintenance: Staff Education	1
Y	?	N	NA	Credit 4.2	Building Operations & Maintenance: Building Systems Maintenance	1
Y	?	N	NA	Credit 4.3	Building Operations & Maintenance: Building Systems Monitoring	1
Y	?	N	NA	Credit 5.1	Performance Measurement: System-Level Energy Metering: 40%	1
Y	?	N	NA	Credit 5.2	Performance Measurement: System-Level Energy Metering: 80%	1
Y	?	N	NA	Credit 5.3	Performance Measurement: Enhanced Water Metering	1
Y	?	N	NA	Credit 5.4	Performance Measurement: Emissions Reduction Reporting	1
Y	?	N	NA	Credit 6	IAQ Management: Maintaining Indoor Air Quality	1
Y	?	N	NA	Credit 7.1	On-Site & Off-Site Renewable Energy: 1% on or 25% off	1
Y	?	N	NA	Credit 7.2	On-Site & Off-Site Renewable Energy: 3% on or 50% off	1
Y	?	N	NA	Credit 7.3	On-Site & Off-Site Renewable Energy: 5% on or 75% off	1
Y	?	N	NA	Credit 7.4	On-Site & Off-Site Renewable Energy: 10% on or 100% off	1
Y	?	N	NA	Credit 8	Refrigerant Management	1
Y	?	N	NA	Credit 9	Light Pollution Reduction	1

**Chemical Management****8 Points**

Y		NA	Prereq 1	Polychlorinated Biphenyl (PCB) Removal and Asbestos-Containing Materials (ACM) Management	Required
Y		NA	Prereq 2	Chemical Management Policy and Audit	Required
Y		NA	Prereq 3	Community Contaminant Reduction: Leaks & Spills	Required

Y	?	N	NA	Credit 1.1	Indoor Chemical Contaminant Reduction: Sanitary Sewer	1
Y	?	N	NA	Credit 1.2	Indoor Chemical Contaminant Reduction: Hand Hygiene Products	1
Y	?	N	NA	Credit 1.3	Indoor Chemical Contaminant Reduction: Sterilization	1
Y	?	N	NA	Credit 1.4	Indoor Chemical Contaminant Reduction: High Level Disinfection	1
Y	?	N	NA	Credit 1.5	Indoor Chemical Contaminant Reduction: Laboratory	1
Y	?	N	NA	Credit 1.6	Indoor Chemical Contaminant Reduction: Radiology	1
Y	?	N	NA	Credit 2.1	Pharmaceutical Minimization, Management & Disposal: Characterization, Policy & Program	1
Y	?	N	NA	Credit 2.2	Pharmaceutical Minimization, Management & Disposal: Minimization, Best Management Practices	1

**Waste Management****6 Points**

Y		NA	Prereq 1	Waste Management Plan	Required
Y		NA	Prereq 2	Waste Generation Profile & Measurement	Required
Y		NA	Prereq 3	Solid Waste Land Disposal	Required

Y	?	N	NA	Credit 1.1	Solid Waste & Material Management: Waste Prevention and Reduction: 15% diversion or 25 lb/adjusted patient bed	1
Y	?	N	NA	Credit 1.2	Solid Waste & Material Management: Waste Prevention and Reduction: 35% diversion or 20 lb/adjusted patient bed	1
Y	?	N	NA	Credit 1.3	Solid Waste & Material Management: Waste Prevention and Reduction: 50% diversion or 15 lb/adjusted patient bed	1
Y	?	N	NA	Credit 1.4	Solid Waste & Material Management: Recycling & Reuse of Facility Alterations & Additions	1
Y	?	N	NA	Credit 2.1	Regulated Medical Waste Reduction: <10% Total Waste Stream	1
Y	?	N	NA	Credit 2.2	Regulated Medical Waste Reduction: Minimize incineration	1

**Environmental Services****8 Points**

Y	?	N	NA	Credit 1.1	Environmentally Preferable Cleaning: Policy Development	1
Y	?	N	NA	Credit 1.2	Environmentally Preferable Cleaning: Policy Development: Commitment to Phase In Implementation	1
Y	?	N	NA	Credit 1.3	Environmentally Preferable Cleaning: Products & Materials: Cleaners, 5 categories	1
Y	?	N	NA	Credit 1.4	Environmentally Preferable Cleaning: Products & Materials: Cleaners, 10 categories	1
Y	?	N	NA	Credit 1.5	Environmentally Preferable Cleaning: Products & Materials: Disposable Products	1
Y	?	N	NA	Credit 1.6	Environmentally Preferable Cleaning: Equipment	1
Y	?	N	NA	Credit 2	Entryway Systems	1
Y	?	N	NA	Credit 3	Indoor Integrated Pest Management	1

## Food Service

17 Points

Y	?	N	NA	Credit 1.1	Sustainable Food Policy & Plan	1
Y	?	N	NA	Credit 1.2	Food Nutrition	1
Y	?	N	NA	Credit 2	Sustainable Food Education & Promotion	1
Y	?	N	NA	Credit 3.1	Local, Sustainably Produced Food Purchasing: 15%	1
Y	?	N	NA	Credit 3.2	Local, Sustainably Produced Food Purchasing: 25%	1
Y	?	N	NA	Credit 3.3	Local, Sustainably Produced Food Purchasing: 50%	1
Y	?	N	NA	Credit 4.1	Reusable & Non-Reusable Products: Reusable Food Service Ware	1
Y	?	N	NA	Credit 4.2	Reusable & Non-Reusable Products: Non-Reusable Food Service Ware & Take Out Containers	1
Y	?	N	NA	Credit 4.3	Reusable & Non-Reusable Products: Non-Food Service Ware Items	1
Y	?	N	NA	Credit 4.4	Reusable & Non-Reusable Products: Bottled Water Elimination & Public Drinking Water Access	1
Y	?	N	NA	Credit 5	Hospital Supported Agriculture: Food & Farm Linkages	1
Y	?	N	NA	Credit 6.1	Food Waste Reduction, Donation & Composting	1
Y	?	N	NA	Credit 6.2	Food Services Recycling	1
Y	?	N	NA	Credit 7.1	Food Vendors: Achieve 1 category	1
Y	?	N	NA	Credit 7.2	Food Vendors: Achieve 2 categories	1
Y	?	N	NA	Credit 8.1	Chemical Management for Food Services: Cleaning Products	1
Y	?	N	NA	Credit 8.2	Chemical Management for Food Services: Cutlery and Food Preparation Equipment	1

## Environmentally Preferable Purchasing

20 Points

Y			NA	Prereq 1	Mercury Reduction	Required
Y			NA	Prereq 2	Electronic Assets Environmental Management Plan	Required
Y	?	N	NA	Credit 1	Solid Waste Reduction in Purchasing	1
Y	?	N	NA	Credit 2.1	Toxic Chemical Reduction in Purchasing: Policy/Structure Development	1
Y	?	N	NA	Credit 2.2	Toxic Chemical Reduction in Purchasing: Implementation	1
Y	?	N	NA	Credit 3.1	Toxic Chemical Reduction: Facility Maintenance, Alterations & Additions: 10%	1
Y	?	N	NA	Credit 3.2	Toxic Chemical Reduction: Facility Maintenance, Alterations & Additions: 20%	1
Y	?	N	NA	Credit 3.3	Toxic Chemical Reduction: Facility Maintenance, Alterations & Additions: 30%	1
Y	?	N	NA	Credit 3.4	Toxic Chemical Reduction: Facility Maintenance, Alterations & Additions: 40%	1
Y	?	N	NA	Credit 3.5	Toxic Chemical Reduction: Facility Maintenance, Alterations & Additions: 50%	1
Y	?	N	NA	Credit 3.6	Toxic Chemical Reduction: Furniture & Medical Furnishings	1
Y	?	N	NA	Credit 4.1	Sustainably Sourced Materials & Products: Facility Alterations & Additions: 10%	1
Y	?	N	NA	Credit 4.2	Sustainably Sourced Materials & Products: Facility Alterations & Additions: 20%	1
Y	?	N	NA	Credit 4.3	Sustainably Sourced Materials & Products: Facility Alterations & Additions: 30%	1
Y	?	N	NA	Credit 4.4	Sustainably Sourced Materials & Products: Facility Alterations & Additions: 40%	1
Y	?	N	NA	Credit 4.5	Sustainably Sourced Materials & Products: Facility Alterations & Additions: 50%	1
Y	?	N	NA	Credit 5.1	Electronics Purchasing & End of Life Management: End of Life Management	1
Y	?	N	NA	Credit 5.2	Electronics Purchasing & End of Life Management: Office & Commercial Electronic Equipment Purchasing	1
Y	?	N	NA	Credit 5.3	Electronics Purchasing & End of Life Management: Medical Equipment Purchasing	1
Y	?	N	NA	Credit 6.1	Office Supplies: Paper and Non-Paper Product	1
Y	?	N	NA	Credit 6.2	Office Supplies: 100% Post-Consumer Recycled Content and Processed Chlorine Free Paper Products	1
Y	?	N	NA	Credit 7	Low Emitting & Fuel Efficient Fleet Vehicles	1

## Innovation in Operation

7 Points

Y	?	N		Credit 1.1	Innovation in Operations	1
Y	?	N		Credit 1.2	Innovation in Operations	1
Y	?	N		Credit 1.3	Innovation in Operations	1
Y	?	N		Credit 1.4	Innovation in Operations	1
Y	?	N		Credit 2.1	Documenting Sustainable Operations Cost Impacts: Overall Operating Costs	1
Y	?	N		Credit 2.2	Documenting Sustainable Operations Cost Impacts: Absenteeism & Health Care Cost Impacts	1
Y	?	N		Credit 3	Research Initiatives	1

## Operations Project Total

121 Points