

HPSB Score sheet (Draft 09 July 2013 Questions)

UFC 1-200-02 High Performance Sustainable Building Requirements Compliance Verification

Sustainable Existing Buildings

General Information

Building Name:

RPUID #:

Address:

UFC Requirement	Description	Method of Compliance
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4-2 EMPLOY INTEGRATED ASSESSMENT, OPERATION, AND MANAGEMENT PRINCIPLES.

<p>4-2.1 Integrated Assessment, Operation, and Management.</p>	<p>Establish an integrated team to develop and implement practices regarding building-level sustainable operations and maintenance.</p> <ul style="list-style-type: none"> • Incorporate sustainable operations and maintenance practices within the appropriate Environmental Management System (EMS). 	<p style="text-align: center;"> <input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No </p> <p>Have sustainable operations and maintenance practices been incorporated within Installation EMS? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> EMS Manual documenting operational performance goals and sustainable O&M practices.</p> <p><input type="checkbox"/> Other: <input style="width: 80%;" type="text"/></p> <p style="text-align: center;">-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 100%; height: 20px;" type="text"/>
	<ul style="list-style-type: none"> • Assess existing condition and operational procedures of the building and major building systems and identify areas for improvement, including evaluating options for alternatives for space management and workplace arrangements. 	<p style="text-align: center;"> <input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No </p> <p>Have existing conditions and operational procedures and/or major systems been assessed for buildings in excess of 5,000 SF to identify areas for improvement? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Building assessment and improvement plan.</p> <p><input type="checkbox"/> Other: <input style="width: 80%;" type="text"/></p> <p style="text-align: center;">-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 100%; height: 20px;" type="text"/>

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<p>• Establish operational performance goals for energy, water, material use and recycling, and indoor environmental quality, and ensure incorporation of these goals throughout the remaining lifecycle of the building.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have building lifecycle energy, water, material use and recycling, and indoor environmental quality operational performance goals been established? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Established Installation operational performance goals policy.</p> <p><input type="checkbox"/> Other: <input style="width: 400px; height: 15px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 500px; height: 30px;" type="text"/>
<p>• Incorporate a building management plan to ensure that operating decisions and tenant education are carried out with regard to integrated, sustainable building operations and maintenance.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have building management plans been developed and occupant training conducted? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Training schedules <input type="checkbox"/> Training plans</p> <p><input type="checkbox"/> Training agendas/flyers <input type="checkbox"/> Newsletters</p> <p><input type="checkbox"/> Other: <input style="width: 400px; height: 15px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 500px; height: 30px;" type="text"/>
<p>• Augment building operations and maintenance as needed using occupant feedback on workspace satisfaction.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have building operations and maintenance procedures been adjusted based on occupant/user feedback on work space satisfaction? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Building assessment and improvement plan.</p> <p><input type="checkbox"/> Work space satisfaction survey results</p> <p><input type="checkbox"/> Other: <input style="width: 400px; height: 15px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 500px; height: 30px;" type="text"/>

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<p>4-2.2 Re-Commissioning and Retro-Commissioning.</p>	<p>Employ commissioning, tailored to the size and complexity of the existing building and its system components, in order to optimize and verify performance of fundamental building systems. Re-Commissioning or Retro-Commissioning must be performed by an experienced in-house or external provider. When building commissioning has been performed, the commissioning report and summary of actions taken must be documented.</p>	<p> <input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No </p> <p>Has the building been commissioned, recommissioned or retro commissioned within the last five years? Select the documentation collected to demonstrate compliance:</p> <p> <input type="checkbox"/> No systems in the building (N/A) <input type="checkbox"/> Commissioning report with summary of actions taken and recommissioning schedule <input type="checkbox"/> Systems Commissioned. </p> <div style="border: 1px solid black; height: 25px; width: 100%; background-color: #e6f2ff;"></div> <p> <input type="checkbox"/> Other: </p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <div style="border: 1px solid black; height: 30px; width: 100%; background-color: #e6f2ff;"></div>
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4-3 PROMOTE SUSTAINABLE LOCATION AND SITE DEVELOPMENT.

<p>4-3.1 Reduce Transportation-Related Greenhouse Gas Emissions.</p>	<p>Disseminate information to building occupants about available transportation alternatives, amenities within walking distance, and alternative workplace arrangements.</p>	<p> <input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No </p> <p>Is information distributed to building occupants about transportation alternatives, near by amenities, and alternative workplace arrangements? Select the documentation collected to demonstrate compliance:</p> <p> <input type="checkbox"/> Flyer /Map of local transportation alternatives. <input type="checkbox"/> Map of local amenities. <input type="checkbox"/> Ride share programs. <input type="checkbox"/> Local Flextime/Flexspace policies. <input type="checkbox"/> Other: </p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <div style="border: 1px solid black; height: 30px; width: 100%; background-color: #e6f2ff;"></div>
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<p>4-3.2 Integrate with Local Planning.</p>	<p>Per Section 2(f) of EO 13514, engage with regional and local integrated plans for transportation and energy choices. For large facilities, with more than 100 employees, consult with local planning and transportation officials on an annual or biennial basis, as appropriate, to discuss opportunities to coordinate planning efforts.</p>	<p> <input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No </p> <p>Are transportation and energy plans coordinated with regional and local planning and transportation officials? Select the documentation collected to demonstrate compliance:</p> <p> <input type="checkbox"/> Planning meeting agenda and minutes. <input type="checkbox"/> Master Planning Transportation Plan. <input type="checkbox"/> Energy Master Plan. <input type="checkbox"/> Local and/or Regional Energy and Transportation Plans <input type="checkbox"/> Other: <input type="text"/> </p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
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4-4 OPTIMIZE ENERGY PERFORMANCE.

<p>4-4 OPTIMIZE ENERGY PERFORMANCE.</p>		
<p>4-4.1 Energy Efficiency.</p>	<p>Use one of the following three options to optimize and measure energy efficiency performance:</p> <p>Option 1: Receive an ENERGY STAR® performance score of 75 or higher.</p> <p>Option 2: Reduce measured building energy use by at least 20% compared to building energy use in 2003 or a year thereafter with metered energy use data.</p> <p>Option 3: Reduce modeled energy use (from all sources including renewable energy) by 20% compared to the ASHRAE 90.1 baseline building design.</p>	<p> <input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No </p> <p>Have one of the three options below been used to measure/improve efficient energy performance? Select the option and documentation collected to demonstrate compliance:</p> <p> <input checked="" type="checkbox"/> Option 1: Demonstrated achievement of an ENERGY STAR® performance score of 75 or higher. </p> <p> <input checked="" type="checkbox"/> ENERGY STAR® performance assessment. <input checked="" type="checkbox"/> Other: <input type="text"/> </p> <p> <input checked="" type="checkbox"/> Option 2: Demonstrated energy use reduction of 20% compared to 2003 . </p> <p> <input checked="" type="checkbox"/> Metered energy consumption reduction calculation. <input checked="" type="checkbox"/> Other: <input type="text"/> </p> <p> <input checked="" type="checkbox"/> Option 3: Calculated energy use reduction of 20% compared to ASHRAE 90.1 baseline. </p> <p> <input checked="" type="checkbox"/> Results of design calculations and/or energy modeling. <input checked="" type="checkbox"/> Other: <input type="text"/> </p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>

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	<p>Per EO 13514 and the EISA Section 525, acquire products that are ENERGY STAR®-qualified or meet FEMP-designated efficiency requirements in all covered product categories. Select products based on life cycle cost, not initial cost.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Do you require products that are ENERGY STAR®-qualified or meet FEMP-designated efficiency when available? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Army/Local green procurement policy</p> <p><input type="checkbox"/> Other: <input style="width: 450px; height: 20px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 520px; height: 35px;" type="text"/>
	<p>Follow EISA Section 524 requirements when purchasing devices that use or contain a standby power function.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are products with the lowest standby power consumption required? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Army/Local green procurement policy</p> <p><input type="checkbox"/> Other: <input style="width: 450px; height: 20px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 520px; height: 35px;" type="text"/>
	<p>4-4.2 On-Site Renewable Energy.</p> <p>Implement renewable energy generation projects on agency property for agency use, where lifecycle cost effective and when there are no adverse effects on base wide electrical system (grid) power quality.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have renewable energy generation projects been implemented on agency property for agency use, when lifecycle cost effective? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Plans, specifications, design drawings or photos.</p> <p><input type="checkbox"/> Army Energy Program reports.</p> <p><input type="checkbox"/> Energy Master Plan.</p> <p><input type="checkbox"/> Other: <input style="width: 450px; height: 20px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input style="width: 520px; height: 35px;" type="text"/>

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<p>4-4.3 Measurement and Verification.</p>	<p>Install a utility meter for each utility serving the building (e.g. district steam, district hot and chilled water, electricity, natural gas, fuel oil, etc.) in the normal units of the measure (i.e. kWh, kW, cf, gallons, etc.). Connect all meters to a base wide energy and utility monitoring and control system using the installation's advanced metering protocols. The installation of meters is required per DODI 4170.11.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Does the building have building level electrical, natural gas, and/or steam meters as applicable, connected to an installation wide energy and utility monitoring and control system? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Electrical meter and meter data. <input type="checkbox"/> Natural gas meter and meter data. <input type="checkbox"/> Steam meter and meter data? <input type="checkbox"/> Other: <input style="width: 400px; height: 20px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input style="width: 500px; height: 30px;" type="text"/></p>
<p>4-4.4 Benchmarking.</p>	<p>Compare annual performance data with previous years' performance data, by entering annual performance data in a measurement and tracking tool such as EPA's ENERGY STAR®, Portfolio Manager. The Labs21® Energy Benchmarking Tool may be used to benchmark laboratory buildings. Results of benchmarking should be used to inform capital investment decisions for future projects.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are current building performance data being compared with previous years' performance data in a measurement and tracking tool and used in informing capital investment decisions? Select the documentation collected to demonstrate compliance:</p> <p>such as EPA's ENERGY STAR®, Portfolio Manager? a) Are you comparing the annual Electrical metering data with previous metering data? b) Are you comparing the annual Natural Gas metering data with previous metering data? c) Are you comparing the annual Steam metering data with previous metering data?</p> <p><input type="checkbox"/> EPA's ENERGY STAR® Portfolio Manager, performance data. <input type="checkbox"/> Labs21® Energy Benchmarking Tool, performance data. <input type="checkbox"/> BUILDER <input type="checkbox"/> Army Energy Program reports. <input type="checkbox"/> Systems benchmarked: <input style="width: 500px; height: 30px;" type="text"/></p> <p><input type="checkbox"/> Other: <input style="width: 400px; height: 20px;" type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input style="width: 500px; height: 30px;" type="text"/></p>

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4-5 PROTECT AND CONSERVE WATER.		
4-5.1 Indoor Water	<p>Use one of the two following options to reduce indoor potable water use reduction:</p> <p>Option 1: Reduce building potable water use to a level equal to or lower than a baseline calculated assuming 100% of the plumbing fixtures and fittings meet the Uniform Plumbing Code (UPC) 2006 or the International Plumbing Code (IPC) 2006 fixture and fitting performance requirements. The baseline for plumbing fixtures and fittings installed before 1994 is allowed to be calculated at 140% of the UPC or IPC performance requirements, or</p> <p>Option 2: Reduce building measured potable water use by 20% compared to building water use in 2003 or a year thereafter with metered water data. If a building has a single water meter, reduce indoor and outdoor potable water use combined by at least 20% compared to building water use in 2003 or a year thereafter with metered water data.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have one of the two options below been used to reduce indoor potable water use? Select the option and documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Option 1: Calculations to determine water use equal to or lower than a 2006 UPC or IPC baseline.</p> <p><input type="checkbox"/> Water use reduction calculations.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p><input checked="" type="checkbox"/> Option 2: Comparison of water metered data with 2003 building water use data.</p> <p><input type="checkbox"/> Portfolio Manager water performance report.</p> <p><input type="checkbox"/> Water meter data.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable to project:</p> <input type="text"/>

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<p>4-5.2 Outdoor Water</p>	<p>Use of potable water for landscape irrigation is not desired, particularly in areas of high cost or low availability. Use one of the three following three options to reduce outdoor potable water use for landscaping:</p> <p>Option 1: Reduce potable irrigation water use by 50% compared to the conventional methods, or</p> <p>Option 2: Reduce building related potable irrigation water use by 50% compared to irrigation water use in 2003 or a year thereafter with metered water data. If a building has a single water meter, reduce indoor</p> <p>Option 3: Use no potable water for irrigation purposes.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have one of the three options below been used to reduce outdoor potable water for landscaping? Select the option and documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Option 1: Demonstrated irrigation water use reduced by 50% compared to conventional practices.</p> <p><input type="checkbox"/> Water consumption reduction calculation.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p><input checked="" type="checkbox"/> Option 2: Demonstrated 50% water use reduction by comparison with 2003 water use data.</p> <p><input type="checkbox"/> Metered water consumption reduction calculation.</p> <p><input type="checkbox"/> AR 420-1, Para 23-18k</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p><input checked="" type="checkbox"/> Option 3: No potable water is used for irrigation.</p> <p><input type="checkbox"/> Site plan.</p> <p><input type="checkbox"/> Landscape plan.</p> <p><input type="checkbox"/> Signed letter from DPW.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why Guiding Principle is not applicable to project:</p> <p><input type="text"/></p>
<p>4-5.3 Water Used for Heating and Cooling.</p>	<p>Per EPAAct 2005 Section 109, when potable water is used to improve a building's energy efficiency, deploy lifecycle cost effective water conservation measures.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have lifecycle cost effective water conservation measures been deployed to improve the building's energy efficiency? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Plans, Specifications, Design Drawings or Photos.</p> <p><input type="checkbox"/> Signed letter from DPW.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <p><input type="text"/></p>

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4-5.4 Measurement of Water Use.	Install water meters to monitor use in buildings consuming indoor and outdoor water as required by DODI 4170.11.	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Does the building have a water meter installed? Select documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Only one water meter installed</p> <p><input type="checkbox"/> Plans, Specifications, Design Drawings or Photos.</p> <p><input type="checkbox"/> Signed letter from DPW.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p><input checked="" type="checkbox"/> Sub-Meter/Multiple water meters installed</p> <p><input type="checkbox"/> Plans, Specifications, Design Drawings or Photos.</p> <p><input type="checkbox"/> Signed letter from DPW.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
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4-6 ENHANCE INDOOR ENVIRONMENTAL QUALITY.

4-6.1 Ventilation and Thermal Comfort	At a minimum, meet ASHRAE 55 and ASHRAE 62.1. Documentation as described in ASHRAE 55 Section 6.2 is not required.	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Was the building designed to or does it meet at a minimum ASHRAE Standard 55-2004? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Plans, Specifications, Design Drawings or Photos.</p> <p><input type="checkbox"/> Documentation from licensed architect or engineer</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
		<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Was the building designed to or does it meet at a minimum ANSI/ASHRAE Standard 62.1-2007? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Plans, Specifications, Design Drawings or Photos.</p> <p><input type="checkbox"/> Documentation from licensed architect or engineer</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>

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<p>4-6.2 Moisture Control.</p>	<p>Establish and implement a moisture control strategy for controlling moisture flows and condensation to prevent building damage, minimize mold contamination, and reduce health risks related to moisture. Meet the requirements of ASHRAE 189.1 Section 10.3.1.5 (Moisture Control) and UFC 3-101-01 Chapter 3, Building Envelope Requirements.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have appropriate moisture control strategies been implemented to prevent building damage, minimize mold contamination, and reduce health risks related to moisture? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Policy for preventing mold and moisture in building.</p> <p><input type="checkbox"/> Commissioning / Recommissioning / Retro-commissioning report that includes inspection driven moisture prevention.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
<p>4-6.3 Daylighting and Lighting Controls.</p>	<p>Use these two strategies in any combination to meet daylighting and lighting controls performance:</p> <p>Strategy 1: Achieve a minimum daylight illumination level of 25 foot-candles (269 lux) in 50 percent of all regularly occupied spaces, or</p> <p>Strategy 2: Provide occupant controlled lighting, allowing adjustments to suit individual task needs, for 50 percent of regularly occupied offices and work stations.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have one of the two strategies below been used to meet daylighting and lighting controls performance? Select the strategy and documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Strategy 1: Demonstrated daylight factor achievement by calculation, modeling or measurement.</p> <p><input type="checkbox"/> Indoor light measurements.</p> <p><input type="checkbox"/> Glazing factor calculations.</p> <p><input type="checkbox"/> Computer simulations.</p> <p><input type="checkbox"/> Lighting Audit.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p><input checked="" type="checkbox"/> Strategy 2: Provision of occupant controlled lighting in required areas.</p> <p><input type="checkbox"/> Schematic of floor layout showing occupant controlled lighting</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
	<p>Provide automated lighting controls in accordance with UFC 3-530-01.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are automated lighting controls provided? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Schematic of floor layout showing automated lighting controls.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>

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<p>4-6.4 Low-Emitting Materials.</p>	<p>Use low emitting materials for building modifications, maintenance, and cleaning. In particular, specify the following materials and products to have low pollutant emissions: composite wood products, adhesives, sealants, interior paints and finishes, solvents, carpet systems, janitorial supplies, and furnishings.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have low emitting materials been used for building modifications, maintenance, and cleaning? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Purchasing policy.</p> <p><input type="checkbox"/> Construction specifications.</p> <p><input type="checkbox"/> Procurement reports.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
<p>4-6.5 Integrated Pest Management.</p>	<p>Use integrated pest management techniques as appropriate to minimize pesticide usage.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Is there DoD Component policy that requires an integrated pest management plan to minimize pesticide usage? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Integrated Pest Management (IPM) Plan</p> <p><input type="checkbox"/> Procurement reports</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
	<p>Use EPA-registered pesticides only when needed.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are EPA-registered pesticides used only when needed? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Integrated Pest Management (IPM) Plan</p> <p><input type="checkbox"/> Procurement reports</p> <p>Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>

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<p>4-6.6 Environmental Tobacco Smoke Control.</p>	<p>Prohibit smoking within the building and within 25 feet (7.62 meters) of all building entrances, operable windows, and building ventilation intakes.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Is smoking prohibited within the building and within 25 feet (7.62 meters) of all building entrances, operable windows, and building ventilation intakes? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Site plan with smoking areas highlighted, photos/drawings of signage, AND smoking policy.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>
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4-7 REDUCE ENVIRONMENTAL IMPACT OF MATERIALS.

<p>4-7 REDUCE ENVIRONMENTAL IMPACT OF MATERIALS.</p>		
<p>4-7.1 Environmentally Preferable Products.</p>	<p>Use products that have a lesser or reduced effect on human health and the environment over their lifecycle when compared with competing products or services that serve the same purpose. A number of standards and eco-labels are available in the marketplace to assist specifiers in making environmentally preferable decisions. For a list of products designated for Federal procurement, consult the Green Products Compilation at www.gsa.gov/greenproductscompilation.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are environmentally preferable products used for building modifications, operations and maintenance, and cleaning? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Purchasing policy.</p> <p><input type="checkbox"/> Construction specifications.</p> <p><input type="checkbox"/> Procurement reports.</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>

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<p>4-7.2 Recycled Content.</p>	<p>Per Section 6002 of the Resource Conservation and Recovery Act (RCRA), meet or exceed the minimum recycled content recommendations when using EPA-designated products for tenant agency fit-out, maintenance, and cleaning, if products meet performance requirements and are available at a reasonable cost. EPA's recycled content product designations and recycled content recommendations are available on EPA's Comprehensive Procurement Guideline web site at www.epa.gov/cpg.</p> <p>Encourage reuse of building materials, components, and furnishings that are in refurbishable condition and meet the quality standards of the government.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Do you have policy/specifications requiring products to meet or exceed EPA's Recycled Content recommendations for all building repairs/modifications? Select the documentation collected to demonstrate compliance:</p> <p><input type="checkbox"/> Purchasing policy. <input type="checkbox"/> Construction specifications. <input type="checkbox"/> Procurement reports. <input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>
<p>4-7.3 Biologically-Based Products.</p>	<p>Per Section 9002 of the Farm Security and Rural Investment Act, use products composed of the highest percentage of biobased content consistent with the USDA BioPreferred Program, if products meet performance requirements and are available at a reasonable cost.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Have products composed of the highest percentage of biobased content been used for building modifications, operations and maintenance, and cleaning where products meet performance requirements and are available at a reasonable cost? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Purchasing policy. <input type="checkbox"/> Construction specifications. <input type="checkbox"/> Procurement reports. <input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>

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<p>A preference for purchasing products with the highest biobased content per USDA recommendations for designated product categories must be included in all applicable solicitations for building modifications, operations and maintenance, and cleaning. USDA's biobased product designations and biobased content recommendations are available on USDA's BioPreferred website at http://www.biopreferred.gov/.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Has a preference been given to purchasing products with the highest biobased content in solicitations for building modifications, operations and maintenance, and cleaning? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Purchasing policy. <input type="checkbox"/> Construction specifications. <input type="checkbox"/> Procurement reports. <input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>
<p>Use certified sustainable wood products, where products meet performance requirements and are available at a reasonable cost.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are certified sustainable wood products used where products meet performance requirements and are available at a reasonable cost? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Purchasing policy. <input type="checkbox"/> Construction specifications. <input type="checkbox"/> Procurement reports. <input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>
<p>4-7.4 Waste and Materials Management.</p> <p>Provide recycling services for paper, corrugated cardboard, glass, plastics, and metals, at a minimum, where markets or on-site recycling exist.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are building occupants provided recycling services for paper, corrugated cardboard, glass, plastics, and metals, at a minimum, where markets or on-site recycling exist? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Program and education plan for recycling of paper, corrugated cardboard, glass, plastics, and metals. <input checked="" type="checkbox"/> Salvage, reuse, and/or recycling agreements <input type="checkbox"/> Contract specifications <input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable: <input type="text"/></p>

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	<p>Provide salvage, reuse and recycling services for waste generated from building operations, maintenance, repair and minor renovations, where markets or on-site recycling exist. Divert a minimum of 50% of construction waste.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Are salvage, reuse and recycling services for waste generated from building operations, maintenance, repair and minor renovations, provided where markets or on-site recycling exist? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Salvage, reuse, and/or recycling agreements</p> <p><input type="checkbox"/> Contract specifications</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>
<p>4-7.5 Ozone Depleting Substances.</p>	<p>Eliminate the use of ozone depleting substances (ODS) by 2020 where substitutes have been found acceptable for use by EPA's SNAP program. Refer to the list of substitutes for ODS that have been found acceptable for relevant end uses at www.epa.gov/ozone/snap/. Exception: Refer to UFC 3-600-01 for fire protection requirements.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> IP <input type="checkbox"/> N/A <input type="checkbox"/> No</p> <p>Has the use of ozone depleting substances (ODS) been eliminated where acceptable substitutes have been found? Select the documentation collected to demonstrate compliance:</p> <p><input checked="" type="checkbox"/> Local Policy</p> <p><input type="checkbox"/> Other: <input type="text"/></p> <p>-OR-</p> <p>Indicate why the UFC requirement is not applicable:</p> <input type="text"/>