



ACQUISITION
AND SUSTAINMENT

THE UNDER SECRETARY OF DEFENSE
3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

MAR 11 2024

The Honorable Mike D. Rogers
Chairman
Committee on Armed Services
U.S. House of Representatives
Washington, DC 20515

Dear Mr. Chairman:

Section 2843(c), of the National Defense Authorization Act for FY 2022 (Public Law 117-81), requires the Secretary of Defense submit a report: (1) describing the extent to which the Unified Facilities Criteria (UFC) incorporate the latest consensus-based codes and standards for energy efficiency and conservation, including the 2021 International Energy Conservation Code (IECC) and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 90.1-2019; and (2) in the case of any instance in which the UFC continues to deviate from such consensus-based codes and standards for energy efficiency and conservation, identifying the deviation and explaining the reasons for the deviation. This letter is the report.

UFC 1-200-02 *High Performance and Sustainable Building Requirements* (Change 02, 01 June 2022), sections 2-2 and 2-3, incorporates the latest consensus-based codes and standards for energy efficiency and conservation, including the 2021 IECC and the ASHRAE Standard 90.1-2019 to promote energy efficient military installations.

- Section 2-2.2 Commissioning. “For commercial and multi-family high-rise buildings with design starts on or after 7 April 2023, meet the requirements of ASHRAE 90.1-2019. For low-rise residential buildings with design starts on or after April 5, 2023, meet the requirements of 2021 IECC.”
- Section 2-3.1.1 Commercial and Multi-Family High-Rise Residential Buildings. “To the extent practicable, based on Life Cycle Cost Analysis (LCCA) and DoD policy includes any DoD policies that relate to energy, meet the following”:
 - “Meet the requirements of ASHRAE 90.1. Use ASHRAE 90.1-2013 for all projects with design starts before April 7, 2023. Use ASHRAE 90.1-2019 thereafter.”
 - “When using ASHRAE 90.1-2019: Determine energy consumption levels for both the ASHRAE Baseline Building 2019 and proposed building alternatives by using the Performance Rating Method found in Appendix G of ASHRAE 90.1-2019.”

The estimated cost of this report or study for the Department of Defense is approximately \$9,050 in Fiscal Years 2023 - 2024. This includes \$500 in expenses and \$8,550 in DoD labor.

Generated on 2023Dec14

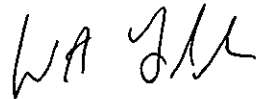
RefID: 4-11E2354

- Section 2-3.1.2 Low-Rise Residential Buildings. “To the extent practicable based on LCCA and DoD policy includes any DoD policies that relate to energy, meet the following”:
 - “Meet the requirements of International Energy Conservation Code (IECC). Use 2015 IECC for all projects with design starts before 5 April 2023. Use 2021 IECC thereafter.”

Other applicable UFCs will reference the ASHRAE and IECC requirements in UFC 1-200-02 where necessary. Since the standard planning and design process for the Department’s projects begins years in advance of authorization, compliance was phased in to alleviate costly redesigns. Therefore, for commercial and multi-family high-rise buildings the criteria require compliance with ASHRAE 90.1-2019 for design starts after April 7, 2023. For low-rise residential buildings compliance with the 2021 IECC is required for design starts after April 5, 2023. The Department is not aware of any UFCs that allows an exception that is less stringent than the required standard.

Your continued support for the men and women of the Department of Defense is appreciated. I am sending an identical letter to the House Armed Services Committee.

Sincerely,



William A. LaPlante

cc:
The Honorable Roger F. Wicker
Ranking Member



ACQUISITION
AND SUSTAINMENT

THE UNDER SECRETARY OF DEFENSE
3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

MAR 11 2024

The Honorable Jack Reed
Chairman
Committee on Armed Services
United States Senate
Washington, DC 20510

Dear Mr. Chairman:

Section 2843(c), of the National Defense Authorization Act for FY 2022 (Public Law 117-81), requires the Secretary of Defense submit a report: (1) describing the extent to which the Unified Facilities Criteria (UFC) incorporate the latest consensus-based codes and standards for energy efficiency and conservation, including the 2021 International Energy Conservation Code (IECC) and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 90.1-2019; and (2) in the case of any instance in which the UFC continues to deviate from such consensus-based codes and standards for energy efficiency and conservation, identifying the deviation and explaining the reasons for the deviation. This letter is the report.

UFC 1-200-02 *High Performance and Sustainable Building Requirements* (Change 02, 01 June 2022), sections 2-2 and 2-3, incorporates the latest consensus-based codes and standards for energy efficiency and conservation, including the 2021 IECC and the ASHRAE Standard 90.1-2019 to promote energy efficient military installations.

- Section 2-2.2 Commissioning. “For commercial and multi-family high-rise buildings with design starts on or after 7 April 2023, meet the requirements of ASHRAE 90.1-2019. For low-rise residential buildings with design starts on or after April 5, 2023, meet the requirements of 2021 IECC.”
- Section 2-3.1.1 Commercial and Multi-Family High-Rise Residential Buildings. “To the extent practicable, based on Life Cycle Cost Analysis (LCCA) and DoD policy includes any DoD policies that relate to energy, meet the following”:
 - “Meet the requirements of ASHRAE 90.1. Use ASHRAE 90.1-2013 for all projects with design starts before April 7, 2023. Use ASHRAE 90.1-2019 thereafter.”
 - “When using ASHRAE 90.1-2019: Determine energy consumption levels for both the ASHRAE Baseline Building 2019 and proposed building alternatives by using the Performance Rating Method found in Appendix G of ASHRAE 90.1-2019.”

The estimated cost of this report or study for the Department of Defense is approximately \$9,050 in Fiscal Years 2023 - 2024. This includes \$500 in expenses and \$8,550 in DoD labor.

Generated on 2023Dec14

RefID: 4-11E2354

- Section 2-3.1.2 Low-Rise Residential Buildings. “To the extent practicable based on LCCA and DoD policy includes any DoD policies that relate to energy, meet the following”:
 - “Meet the requirements of International Energy Conservation Code (IECC). Use 2015 IECC for all projects with design starts before 5 April 2023. Use 2021 IECC thereafter.”

Other applicable UFCs will reference the ASHRAE and IECC requirements in UFC 1-200-02 where necessary. Since the standard planning and design process for the Department’s projects begins years in advance of authorization, compliance was phased in to alleviate costly redesigns. Therefore, for commercial and multi-family high-rise buildings the criteria require compliance with ASHRAE 90.1-2019 for design starts after April 7, 2023. For low-rise residential buildings compliance with the 2021 IECC is required for design starts after April 5, 2023. The Department is not aware of any UFCs that allows an exception that is less stringent than the required standard.

Your continued support for the men and women of the Department of Defense is appreciated. I am sending an identical letter to the Senate Armed Services Committee.

Sincerely,



William A. LaPlante

cc:
The Honorable Adam Smith
Ranking Member