



## Design Standard

### Building Energy Efficiency

This standard was revised on January 22, 2020, and the latest changes are underlined. Please refer to Part 3 of this standard for full revision history.

#### PART 1 - GENERAL

- 1.01 The objective of this standard is to ensure the efficient use of energy at the planning and design phase of a new or renovated building project, rather than attempt to manage and pay for an inefficient design over the life of the building.
- 1.02 The following are the minimum energy standards for new construction and major renovation projects at Texas A&M University:
  - A. Non – Residential: IECC 2018 <sup>1</sup>
  - B. Residential: IECC 2018 <sup>1</sup>
- 1.03 Design architects/engineers shall also meet any additional requirements that the State Energy Conservation Office (SECO) has regarding water conservation and the economic feasibility of incorporating alternative energy.
- 1.04 Requirements for receptacle switching shall be met by controlling based on time of day and occupancy through the Building Automation System. <sup>2</sup>

#### PART 2 - COMPLIANCE

- 2.01 Before beginning construction of a new building or major renovation project, the A/E must submit to the FP&C or SSC project manager their certification verifying that the new construction or renovation complies with this standard, including engineering documentation. The compliance certification forms to be used for non-residential and residential projects can be found in Appendix A.
- 2.02 Relevant documentation to demonstrate compliance shall be submitted with the compliance certification forms. <sup>3</sup>

#### PART 3 - REVISIONS TO DESIGN STANDARD

Revision #	Date	Location	Brief Description
1	1/22/2020	Part 1.02	Energy Standards changed from ASHRAE 2016 to IECC 2018
2	1/22/2020	Part 1.04	Requirements for receptacle added to standard
3	1/22/2020	Part 2.02	Updated documentation requirements



**UTILITIES & ENERGY  
SERVICES**  
TEXAS A & M UNIVERSITY

**APPENDIX A  
COMPLIANCE CERTIFICATES**

TEXAS A&M UNIVERSITY - UTILITIES & ENERGY SERVICES

<b>Document Title:</b> FORM - NON-RESIDENTIAL BUILDINGS ENERGY EFFICIENCY DESIGN STANDARD COMPLIANCE CERTIFICATE	<b>Revision Date:</b> 1/22/2020	<b>Page:</b> 1 of 1
<b>Document Number:</b> 63000-2003-2.0	<b>Primary Document Editor:</b> UES TECHNICAL SERVICES	

The purpose of this document is for Architects/Engineers to provide certification to TAMU in accordance with the university's Building Energy Efficiency design standard.

\_\_\_\_\_  
Name of Building/Facility

\_\_\_\_\_  
Location of Building/Facility (Street Address)

\_\_\_\_\_  
Architect/Engineering Firm

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Contact Person at Architect/Engineering Firm

\_\_\_\_\_  
Email Address

**PROJECT DESCRIPTION**

Total Square Footage of Conditioned Space: \_\_\_\_\_

Provide a brief description of the project:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Indicate the method used to verify compliance and attach documentation:

IECC 2018:

- ASHRAE 90.1 2016
- IECC 2018 Prescriptive
- IECC 2018 Performance

Having examined IECC 2018, I do hereby notify Texas A&M University-College Station of the above described project and confirm that the construction plans and specifications are in compliance with the provisions of the Standard in accordance with the university's Building Energy Efficiency Design Standard.

\_\_\_\_\_  
Signature of Confirming Architect/Engineer

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Affix Official TBAE/TBPE Seal

\_\_\_\_\_  
TBAE/TBPE Registration No.

TEXAS A&M UNIVERSITY - UTILITIES & ENERGY SERVICES

<b>Document Title:</b> FORM - RESIDENTIAL BUILDINGS ENERGY EFFICIENCY DESIGN STANDARD COMPLIANCE CERTIFICATE	<b>Revision Date:</b> 6/24/2019	<b>Page:</b> 1 of 1
<b>Document Number:</b> 63000-2005-2.0	<b>Primary Document Editor:</b> UES TECHNICAL SERVICES	

The purpose of this document is for Architects/Engineers to provide certification to TAMU in accordance with the university's Building Energy Efficiency design standard.

\_\_\_\_\_  
Name of Building/Facility

\_\_\_\_\_  
Location of Building/Facility (Street Address)

\_\_\_\_\_  
Architect/Engineering Firm

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Contact Person at Architect/Engineering Firm

\_\_\_\_\_  
Email Address

**PROJECT DESCRIPTION**

Total Square Footage of Conditioned Space: \_\_\_\_\_

Provide a brief description of the project:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Indicate the method used to verify compliance and attach documentation:

- Prescriptive Requirements (2018 IECC)     
  Performance Requirements (2018 IECC)     
  Energy Rating Index

Having examined the university's Building Energy Efficiency Design Standard for residential buildings, based on the 2018 IECC and being knowledgeable of provisions thereof, I do hereby notify Texas A&M University-College Station of the above described project and confirm, to the best of my professional ability, that the construction plans and specifications are in compliance with the provisions of the Standard in accordance with the university's Building Energy Efficiency Design Standard.

\_\_\_\_\_  
Signature of Confirming Architect/Engineer

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Affix Official TBAE/TBPE Seal

\_\_\_\_\_  
TBAE/TBPE Registration No.