

ORDINANCE NO.

AN ORDINANCE AMENDING ARTICLE 12 OF CITY CODE CHAPTER 25-12 TO ADOPT A SOLAR-READY PROVISION TO THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:

PART 1. City Code Chapter 25-12 (*Technical Codes*) is amended to add to Article 12 (*Energy Code*) as follows:

§ 25-12-263 LOCAL AMENDMENTS TO THE ENERGY CODE

(A) The following provisions are local amendments to the commercial provisions of the 2015 International Energy Conservation Code (“2015 IECC”) and, for purposes of compliance with ASHRAE standards under the 2015 IECC, to ASHRAE Standard 90.1-2013. Each provision in this subsection is an addition to the Energy Code.

C402.6 (2015 IECC) and 5.4.6 (ASHRAE 90.1-2013) Commercial Solar Ready. A designated zone must be identified on the construction documents as “Reserved for Future Solar Installation”. This identified “Solar-Ready Zone” must be located within the Potential Solar Area (defined below), free from obstructions such as, but not limited to, vents, pipes, ducts, and other equipment and must comply with access, pathway, smoke ventilation, spacing, and other requirements of the City of Austin Land Development Code.

Exceptions:

1. Potential Solar Area of less than 2,000 square feet (185.8 square meters)
2. High hazard buildings (Group H)
3. Buildings located within the downtown network, as identified by Austin Energy
4. Buildings equipped with on-site renewable energy in accordance with section C406.5

C402.6.1 (2015 IECC) and 5.4.6.1 (ASHRAE 90.1-2013) Solar-Ready Zone area.

The size of the Solar-Ready Zone must be at least half the Potential Solar Area.

Potential Solar Area is calculated as the gross rooftop area minus the Affected Area.

Affected Area means the following areas:

1. Areas of the roof that are shaded for at least 50% of annual daylight hours.

2. Areas of that are not Low-Sloped Roof that are oriented from 300° northwest, north to 90° east
3. Gross area of all skylights.
4. Area of rooftop equipment and required access paths.
5. Areas of roofs used for helicopter landing or for rooftop parking.
6. Green roofs and occupied rooftop areas.
7. Areas required by City Code to not contain solar equipment.

No part of the Solar Ready Zone can be in an Affected Area. The designated Solar-Ready Zone and the Potential Solar Area can be made up of multiple non-contiguous areas. Each sub-area must be at least 80 square feet (7.432 square meters) and must be a rectangle the short side of which measures at least 6 feet (1.83 meters).

C402.6.2 (2015 IECC) and 5.4.6.2 (ASHRAE 90.1-2013) Structural loads. Areas of the roof that are part of the Solar-Ready Zone must have structural design loads for roof dead load and roof live load clearly indicated on the construction documents.

C402.6.3 (2015 IECC) and 5.4.6.3 (ASHRAE 90.1-2013) Equipment location and interconnection pathway. The construction documents must indicate a location for inverters and metering equipment and a pathway for routing of conduit from the Solar-Ready Zone to the point of interconnection with the electrical service.

C402.6.4 (2015 IECC) and 5.4.6.4 (ASHRAE 90.1-2013) Electrical distribution system. The Building's electrical service distribution system must have reserved space to allow for the future installation of solar electric and must be permanently marked as "For Future Solar Electric".