



City of Portland, Oregon
Bureau of Development Services
Office of the Director
FROM CONCEPT TO CONSTRUCTION

Ted Wheeler, Mayor
Rebecca Esau, Director
Phone: (503) 823-7300
Fax: (503) 823-6983
TTY: (503) 823-6868
www.portlandoregon.gov/bds

September 9, 2020

To: Mayor Wheeler
Commissioner Eudaly
Commissioner Fritz
Commissioner Hardesty

From: Rebecca Esau, Director
Bureau of Development Services

Regarding: Proposed Ordinance on September 9, 2020 on Consent Agenda

I. RECOMMENDATION

Amend Chapter 24.85, Seismic Design Requirements for Existing Buildings, to Update References from the Old ASCE Standards to the Current Version of the Standards (Ordinance; amend Code Chapter 24.85)

II. BACKGROUND

Portland City Code (PCC) Chapter 24.85 regulates the seismic design requirements for existing buildings within the City. BDS relies in part on the engineering standards for evaluating and seismic retrofit of existing buildings that are contained in standards published by the American Society of Civil Engineers, known as the ASCE Standards. These standards were recently updated. Consequently, the references in PCC Chapter 24.85 are no longer accurate and need to be amended to conform with the most recent version of the ASCE.

BDS staff worked with the Seismic and Vintage Building Subcommittee of the Structural Engineers Association and the City's Structural Advisory Committee to vet the changes and obtained their approval.

III. SUMMARY OF ORDINANCE

The proposed ordinance updates the references in Chapter 24.85 to the most recent version of the ASCE.

Chapter 24.85 – SEISMIC DESIGN REQUIREMENTS FOR EXISTING BUILDINGS Section 24.85.020, Seismic Related Definitions, is amended as follows:

24.85.020 Seismic Related Definitions.

The definitions contained in this Section relate to seismic design requirements for existing buildings outlined in this Chapter.

- A.** ASCE 41 means the Seismic Evaluation and Retrofit of Existing Buildings ASCE/SEI ~~41-1341-17~~ published by the American Society of Civil Engineers and the Structural Engineering Institute.
- B. – F.** No changes.
- G.** BPOE- Basic Performance Objective for Existing Buildings: A series of defined Performance Objectives based on a building's Risk Category meant for evaluation and retrofit of existing buildings; See Table 2-1 and Table 2-2 of ASCE 41.
- H.** BPON- Basic Performance Objective Equivalent to New Building Standards: A series of defined Performance Objectives based on a building's Risk Category meant for evaluation and retrofit of existing buildings to achieve a level of performance commensurate with the intended performance of buildings designed to a standard for new construction; See Table ~~2-22-3~~ of ASCE 41.
- I. – BB.** No changes.