



# Code Amendment Proposal Application Proposal 3

Department of Consumer & Business Services  
Building Codes Division  
1535 Edgewater NW, Salem, Oregon  
Mailing address: P.O. Box 14470, Salem, OR 97309-0404  
Phone: 503-378-4133, Fax: 503-378-2322  
Oregon.gov/bcd

Read the entire code amendment proposal application before completing this form. Please complete all parts before submitting your proposal and refer to the provided checklist.

## APPLICANT INFORMATION

Name: Kevin Duell		Date:
Representing (if applicable): NW Natural		Work phone: 503-610-7990
Mailing address: 250 SW Taylor St		Cell phone:
City: Portland	State: OR	Zip: 97204
Email address: kevin.duell@nwnatural.com		

## PROPOSAL INFORMATION

Specialty code: 2022 Commercial Reach Code
Code section(s): (New Code)
Briefly explain the subject of your proposal: Increasing energy efficiency of large area and high energy use buildings

## INSTRUCTIONS AND CHECKLIST

Fill in all the information above and submit this page, signed and dated, with the required supplementary information for Parts I, II, and III listed in the following checklist. This application may be submitted by mail to the mailing address above, or by email to [BCD.PTSPtech@oregon.gov](mailto:BCD.PTSPtech@oregon.gov).

### Checklist:

- Part I** Code amendment language is attached in the proper format.
- Part II** Amendment proposal requirements for amending the code have been reviewed.
- Part III** Amendment proposal criteria questions have been answered and are attached.

**Note:** One application is required for each code section you are proposing to amend. If this proposal requires changes in other sections of the code for alignment, include those changes as part of this application.

## APPLICANT SIGNATURE

Signature: <i>Kevin Duell</i>	Date: February 24, 2022
-------------------------------	-------------------------

**Copyright notice:** By signing this Code Amendment Proposal Application, I understand and acknowledge that the work contained in this application is original, or if not original, I have the right to copy the work. By signing this work, I understand that any rights I may have in this work, including any form of derivative works and compilations, are assigned to the Department of Consumer and Business Services Building Codes Division. I also understand that I do not retain or acquire any rights once this work is used in a Department of Consumer and Business Services Building Codes Division publication.

## PART I – Code Amendment Language

### 2022 Oregon Commercial Reach Code

**Large Area and High Energy Use Buildings.** All new buildings over 100,000 ft<sup>2</sup> and supermarkets, laboratories and conditioned warehouses over 40,000 ft<sup>2</sup> shall comply with the 2021 Oregon Energy Efficiency Specialty Code (OEESC) and, in addition, shall demonstrate energy use at least 10% below the requirements of the 2021 OEESC on either a site or source energy basis.

**Exception:** Exclusively R-use buildings.

## PART II – Code Amendment Proposal Requirements

Proposed language only amends technical matters within the scope of the specialty code.

## PART II – Code Amendment Proposal Criteria

### Proposal

1. Describe the concept and purpose of this proposal.  
This proposal provides a simple and direct approach to additional energy savings. It is based on the Massachusetts Stretch Code. While it does not provide prescriptive options, most of the larger buildings it addresses would generally perform an energy model anyway, so this is not an additional compliance burden or hurdle.
2. What problem in the existing Oregon code or national model code is this proposal solving? Existing Oregon code lacks a Commercial Reach Code. How does this amendment address the issue? This amendment provides a basis for a Commercial Reach Code. If you have evidence demonstrating the problem, submit that information.
  - a) If this proposal corrects any unforeseen or probable outcomes resulting from the application of a code section, explain how. N/A
  - b) If this proposal corrects inadequate application by a code section to a method, material or design, explain how. N/A
  - c) If this proposal eliminates conflicting, obsolete, or duplicative code provisions or standards between Oregon-adopted codes, statutes or regulations, explain why. N/A
  - d) If this proposal is for a fire or life safety matter, or is it otherwise needed to protect the health, safety, welfare, comfort and security of occupants and the public, explain why. N/A
  - e) If this proposal is necessary to address unique geographic or climatic conditions within Oregon, explain why. N/A
  - f) If there are alternatives to this proposal that solve the problem, explain why this proposal is the best or a necessary solution. This proposal is very simple to understand and implement.

- g) If this proposal provides for the use of unique or emerging technologies, or promotes advances in construction methods, devices, materials and techniques, explain how. *N/A*
  - h) If this proposal meets any energy conservation or indoor air quality requirements, explain how. *It provides 10% better energy conservation than base code, for the occupancies addressed.*
  - i) If this proposal involves the adoption of an electrical or plumbing building product, note if the appropriate advisory board approved the product. *N/A*
3. Has this been proposed at the national model code level? If so, explain when it was proposed, what happened, and why it was not adopted. Provide all associated national model code hearing information and background. *N/A*

### **Implementation and fiscal impact**

1. Explain how the proposed provisions would be enforced? *Code officials would request energy modeling consistent with State standards and ensure the proposed building exceeds base code performance by 10%.* Are additional inspections or permits required? *No.* Describe any necessary equipment, training, tests or special certifications. *There should be no training necessary, but energy model interpretation may be needed.*
2. What is the fiscal impact of this proposal? *Given the variability of occupancies, applications and measures this is impossible to determine. There could be zero cost measures for example.* Provide a cost benefit analysis and include the resources or methods you used to determine the fiscal impact. *No cost benefit analysis is provided for the reasons stated above.*
  - a) If this proposal adds to the cost of construction, explain how the added cost contributes to the health and safety of occupants, or is necessary to conserve scarce resources. *The modest increase in efficiency should be paid by energy cost savings.*
  - b) If there are any other adverse fiscal impacts or cost savings passed on to the general public, the construction industry, local and state governments, and small businesses, an interested person must describe the added or reduced cost of a proposed code amendment, and describe the adverse fiscal impact or cost savings in relation to the current Oregon specialty code. *There should be no adverse fiscal impacts.*
  - c) If this proposal will affect the cost of development of a detached single-family dwelling, please indicate the cost. For the purposes of illustrating the change on the cost, please use a 6,000-square-foot parcel and the construction of a 1,200-square-foot detached single-family dwelling on that parcel. The information on the cost must be sufficient to assist the division in preparing a housing cost impact statement. *This proposal will not directly affect any detached single-family dwellings.*

### **Impacted stakeholders and other specialty codes**

1. It is important that proposals be shared with stakeholders that will be impacted by them. Was this proposal developed with people or organizations likely to be affected by it? *Only in Massachusetts.* Has it been reviewed or shared with people or organizations likely to be affected by it? *Only in Massachusetts.* If so, who, and if not, why not? *Not enough time.*
2. Does this proposal impact other specialty codes or statewide programs? *No.*