



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

May 2018
Log No. _____

1. State Building Code to be Amended:

- | | |
|---|---|
| <input checked="" type="checkbox"/> International Building Code | <input type="checkbox"/> International Mechanical Code |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code | <input type="checkbox"/> International Fuel Gas Code |
| <input type="checkbox"/> International Existing Building Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code |
| <input type="checkbox"/> International Residential Code | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input type="checkbox"/> International Fire Code | <input type="checkbox"/> Wildland Urban Interface Code |
| <input type="checkbox"/> Uniform Plumbing Code | |

For the Washington State Energy Code, please see specialized [energy code forms](#)

Section(s):

(New) Appendix P

Title:

Construction and Demolition Material Management

2. Proponent Name (Specific local government, organization or individual):

Proponent: Kinley Deller

Title: C&D Diversion Specialist

Date: June 1, 2021

3. Designated Contact Person:

Proponent: Kinley Deller

Title: C&D Diversion Specialist

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4. Proposed Code Amendment. Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code additional pages may be attached. (Examples on the SBCC [website](#))

Code(s) International Building Code Section(s) Appendix P (new)

Enforceable code language must be used; see an example [by clicking here](#).
Amend section to read as follows:

APPENDIX P
CONSTRUCTION AND DEMOLITION MATERIAL MANAGEMENT

SECTION P101

GENERAL

P101.1 Purpose. The purpose of this code is to increase the *reuse* and *recycling* of construction and *demolition* materials.

P101.2 Scope. This code applies to new *building* construction, *alterations* to *existing buildings* and the *demolition of existing buildings* having a work area greater than 750 square feet or a project value greater than \$75,000, whichever is more restrictive.

Exception: Projects determined to be unsafe pursuant to Section 116.

SECTION P102

GENERAL DEFINITIONS

Demolition. The process of razing, relocating, or removing an existing *building* or *structure*, or a portion thereof.

Divert, Diverted, or Diversion. The reuse, recycling, or beneficial use of construction and *demolition* materials.

Recycling. The process of transforming or remanufacturing waste materials into useable or marketable materials for use other than landfill disposal, combustion, or incineration.

Reuse. The return of a material into the economic stream for use.

Salvage. The recovery of construction and *demolition building* material and components from a *building* or *site* in order to increase the *reuse* or repurpose potential of these materials and decrease the amount of material being sent to the landfill. Salvaged material may be sold, donated, or reused on *site*.

SECTION P103

CONSTRUCTION AND DEMOLITION MATERIAL MANAGEMENT

W103.1 Collection containers. All *sites* where *recyclable* construction and *demolition* materials are generated and transported for *recycling* must provide a separate container for nonrecyclable materials pursuant to WAC 173-345-040.

W103.2 Salvage assessment. A *salvage* assessment shall be submitted prior to *permit* issuance. The *salvage* assessment shall identify the *building* components of an *existing building* that, if removed, have the potential to be *reused*. This assessment shall be signed by the *owner* and serve as an affidavit stating that the project shall be executed in compliance with the requirements of this code.

Exception: Projects that include only new *construction*.

W103.3 Waste diversion report. A waste diversion report shall be submitted prior to issuance of the Certificate of Occupancy. The waste diversion report shall identify the following:

1. Weight or volume of project-generated construction and *demolition* material;
2. Whether the material was disposed in a landfill or *diverted*;
3. The hauler of the material;
4. The receiving facility or location; and
5. The date materials were accepted by the receiving facility or location.

5. Briefly explain your proposed amendment, including the purpose, benefits and problems addressed. Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

The intent of this new optional Appendix P is to reduce the amount of construction and demolition waste that goes to a landfill after leaving a construction site. For jurisdictions where material management is a priority, this language helps to increase the amount of material that is salvaged for reuse – or recycled. In partnership with this proposed appendix are two forms, a Salvage Assessment and Waste Diversion Report.

Prior to beginning a project, completing the salvage assessment allows the owner to thoughtfully identify possible materials, systems and appliances that might be salvageable from this building as it is dismantled. Salvaged elements can be reused on-site, another project, or sold to retailers for resale. Once identified, the owner can choose to salvage these elements, which may come as a cost benefit to them.

Salvaging materials can increase the longevity of our landfills, saving a jurisdiction future waste management costs. Keeping materials in use longer has environmental benefits such as carbon sequestration and reduced carbon emissions from material not needing to be processed. An additional benefit is that material, such as wood from the 1930's, is of much greater quality than wood being retailed today.

Common materials, appliances, and systems commonly salvaged in areas where reuse markets exist include:

- Wood
- Brick
- Stoves, refrigerators
- Cabinets
- Carpet, flooring
- Doors; windows meeting current code
- Lighting Fixtures; plumbing fixtures meeting current code
- Roofing, siding
- Wall Covering, insulation, wall sheathing, siding

Completing the waste diversion report at the end of a project shows which materials went to the landfill, which were recycled, and which were salvaged. If the jurisdiction has material diversion targets, this form helps the jurisdiction track percentages of what is being diverted and can help to identify what markets or processing facility types need to be increased. Materials commonly recycled in areas where receiving facilities exist include:

- Asphalt paving
- Brick
- Concrete
- Cardboard
- Drywall
- Wood

This code is appropriate as an appendix because not all communities in Washington State have commercial salvage retail businesses or recycling processing facilities. However, several jurisdictions in our state have carbon emission goals, where increasing the amount of material available for reuse will help toward achieving their goals. The approval of Appendix P, with the forms already developed, would then be available for interested jurisdictions to adopt.

6. Specify what criteria this proposal meets. You may select more than one.

- The amendment is needed to address a critical life/safety need.
- The amendment clarifies the intent or application of the code.
- The amendment is needed to address a specific state policy or statute.
- The amendment is needed for consistency with state or federal regulations.
- The amendment is needed to address a unique character of the state.
- The amendment corrects errors and omissions.

7. Is there an economic impact: Yes No

Explain:

This is an optional appendix. Impacts to the owner would be the minimal time it takes to complete the 2 forms. Cost to the jurisdiction is contingent on the process they develop around this Appendix. For example, one jurisdiction could just collect the forms, whereby another could choose to review the form – it depends on how each plans to use the information provided. Again, it is an optional appendix, so a jurisdiction adopting the appendix will have researched the impacts and have determined them to be acceptable to all.

If there is an economic impact, use the tool below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

Provide your best estimate of the construction cost (or cost savings) of your code change proposal? (See OFM Life Cycle Cost [Analysis tool](#) and [Instructions](#); use these [Inputs](#). **Webinars on the tool can be found [Here](#) and [Here](#)**)

\$[Click here to enter text.](#)/square foot (For residential projects, also provide \$[Click here to enter text.](#)/dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:

This is an optional appendix, so only if it is adopted will it potentially impact staff. For those who adopt it, the process they develop will determine how much impact it will have to review and inspection staff. It will likely have no impact to inspection staff, and potentially a small impact to review staff.

Salvage Assessment

Project Number _____

Whole Building Removal (demolition)

Alterations

Nonresidential Project

Residential Project

Project Address _____

Parcel Number _____

Contact Name _____

Contact Name

email

Phone

Directions to use the Salvage Assessment:

- Completed for all permitted projects that include demolition, such as whole building removal and alterations, where the area of work is either greater than 750 square feet OR the construction value is greater than \$75,000.
- To be filled out by the owner or authorized agent.
- Using the matrix below, identify all building materials impacted by demolition that could be salvaged and reused ON or OFF-SITE instead of being sent to a landfill or recycled.
- Submit this form to the jurisdiction prior to permit issuance

By checking this box, you have determined your project does not meet either the 750 s.f. or \$75,000 threshold and do not need to complete this form.

Salvage Assessment Matrix

Building Component	Specific Material	Quantity	Identified for Salvage (Y/N)	Notes
Cabinets	Solid Wood (with back panel)			
	Other (with back panel)			
Carpet	Tile			
	Roll			
Doors	Interior			
	Exterior			
	Garage			
Flooring	Solid Floor			
Insulation	Batts			
Lighting Fixtures	Lighting Fixtures			
Plumbing	Bathtub/sinks			
	Piping			
	Other fixtures meeting current code			

Building Component	Specific Material	Quantity	Identified for Salvage (Y/N)	Notes
Roofing	Metal			
	Wood			
	Plywood			
	Asphalt Shingles			
Siding	Metal			
	Wood			
	Plywood			
	Vinyl			
	Composite			
Wall Covering	Drywall			
	Solid Wood Paneling			
	Plywood Paneling			
Wall Sheathing	Plywood			
	Shiplap			
	OSB			
Windows	Insulated aluminum			
	Wood			
	Vinyl			
	Composite			
Wood	Clean dimensional lumber			
	Clean scrap lumber			
	Painted/treated lumber			
Miscellaneous	Trim			
	Fence/gate			
	Countertop			
	Mechanical Equipment			
	Appliance			
	Deck			