



City of Ashland Building Safety Division

51 Winburn Way • Ashland, OR 97520
 Phone (541) 488-5305 • Fax (541) 488-6066
 Email: Building@ashlandoregon.gov

Residential Building Permit Submittal Form

Location:		Date:	
Description of Project:			
Valuation of Project: <i>See Determination of Valuation Policy for additional information</i>			
Type:	SFR	ARU/2 nd Unit	Addition
	Detached	Accessory Structure	Change of Use/Occupancy
APPLICANT INFORMATION:			
Name:			
Address:			
City:	State:		ZIP:
Phone:	Email:		
PROPERTY OWNER INFORMATION:			
Name:			
Address:			
City:	State:		ZIP:
Phone:	Email:		
CONTRACTOR INFORMATION:		Work to be done by Owner	
Name:			
Address:			
City:	State:		ZIP:
Phone:	Email:		
Ashland Business License #		CCB#	

SUBMITTAL CHECKLIST:

YES	NO	N/A	GENERAL INFORMATION:
			PDF of Digital Plans - Submit to Building@ashland.or.us <i>Plans must be drawn to scale, minimum 11x17 inches in size, and legible</i>
			Design Professional, Architect and/or Engineer(s) name, phone, and Email
			Name, Address, Phone and Email of all owners and contractors (include license #s)
			Design Criteria
			Code Analysis
			Gross Square Footage
			Total Square Footage of Impervious Surface
			If Remodel, show total # of plumbing fixtures being replaced, relocated, or added



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YES	NO	N/A	
			Demolished Structures Information
			Energy Forms
			Moisture Content & High Efficiency Lighting Form
			Structural Design Loads (snow load, wind, and exposure) <i>Default load is 25 lbs. per sq. ft.</i>
			LAND USE APPROVAL:
			Was this project subject to land use approval?
			If Yes, please list Planning Action number:
			Any conditions imposed as part of an approved planning action shall be shown on the plans
			PLOT PLAN:
			Show all Proposed and Existing Buildings
			Direction Indicator (north arrow)
			Easement Locations (private/public) and maintenance agreements for common areas
			Show distances between Property Lines and Buildings <i>See Property Pin Policy for additional information</i>
			Location of storm drains, sanitary sewer, water service connection, and electric service panel
			Show point of termination for footing, roof, and storm drains (Street or approved disposal site)
			Show Contour Lines (topography)
			Basement and Retaining Walls (cross sections and details or attached engineering)
			Provide calculations for all structural loads (include member reports)
			FOUNDATION PLAN:
			Elevation of footing and foundation details (including hold downs and their locations)
			FLOOR PLAN:
			Show each floor and use of all rooms and areas
			If Remodel or Addition, show existing Floor Plan
			Provide bracing design, prescriptive and/or engineered
			FRAMING CROSS SECTION & DETAILS
			Show coverings for all surfaces (roofing, ceilings interior, exterior, and projections) <i>Identify materials compliance with R327 Wildfire Hazard Mitigation</i>
			ELEVATIONS:
			Show all sides of building
			Provide Solar Calculations
			ROOF PLAN:
			Engineered Trusses
			Deferred Trusses
			Stick Frame
			MECHANICAL PLAN
			Show all heating, ventilation, and A/C equipment and location of each
			Gas fixtures (appliances) listed w/ BTU requirements



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			FIRE ACCESS & WILDFIRE MITIGATION
			Show distance to closest fire hydrant
			Wildfire Mitigation Plan Submittal Form

Applicant's Signature: _____ **Date:** _____



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Sub-Contractor Information

Please be advised that the City of Ashland Building Division cannot perform inspections until all sub-contractor information has been submitted and licensing requirements have been verified.

ELECTRICAL SUB-CONTRACTOR:		
Name:		
Address:		
City:	State:	ZIP:
Phone:	Email:	
Ashland Business License #:		CCB#:
MECHANICAL SUB-CONTRACTOR:		
Name:		
Address:		
City:	State:	ZIP:
Phone:	Email:	
Ashland Business License #:		CCB#:
PLUMBING SUB-CONTRACTOR:		
Name:		
Address:		
City:	State:	ZIP:
Phone:	Email:	
Ashland Business License #		CCB#

Residential Construction – Who can do the WORK?

APPLICANT	STRUCTURAL	MECHANICAL	PLUMBING	ELECTRICAL
Applicant is the owner and the structure will not be for rent, sale, lease, or exchange	YES	YES	YES	YES
Applicant is the owner and the structure is/will be for sale	NO	NO	NO	NO, except some maintenance by the owner, owner's immediate family, landlord, landlord's agent, or the employee of the landlord or landlord's agent
Applicant is the owner and is a licensed general contractor and the structure is/will be for sale	YES	YES	YES, owner must do the work (not employees)	
Applicant is the owner and the structure is/will be for rent or lease	YES	YES	YES	
Applicant is the renter	YES, but the work must not be done for compensation and structure is not intended to be for sale	YES, but the work must not be done for compensation and structure is not intended to be for sale	NO, expect for repairs to existing plumbing (which usually does not require a permit)	NO
Applicant is the owner's regular employee	YES, as long as it is not intended to be for sale before, upon, or after completion	YES, as long as it is not intended to be for sale before, upon, or after completion	NO, expect for repairs to existing plumbing (which usually does not require a permit)	NO, except some maintenance
Applicant has a general contractor license only and is not the owner or renter	YES	YES	NO	NO
Reference	ORS 701.010	ORS 701.010	ORS 447.040, 693.020 OAR 918-695-0020	ORS 479.540 ORS 479.560

Plumbing Notes:

Repair: Repair means the act of replacing or putting together plumbing parts that restore the existing plumbing system to a safe and sanitary operating condition. (ORS 693.020(e)(A))

Regular Employee: Regular employee means a person who is subject to the provisions of ORS 316.162 to 316.221 (withholding taxes from paycheck) and who has completed a withholding exemption certificate required by the provision or ORS 316.162 to 316.221 (ORS 693.020(e)(B))

Electrical Notes:

Immediate Family: Immediate Family of an owner is the owner's parent, step-parent, or parent's domestic partner, sibling and sibling's spouse or domestic partner, child and child's spouse or domestic partner, spouse or domestic partner, spouse's or domestic partner's child and the child's spouse or domestic partner, grandchild, and grandparent. OAR 918-261-0040(3)

Maintenance: Alterations to or replacement of parts of electrical installations as necessary for maintenance of the existing electrical installations on that property, but does not include new electrical installations or substantial alterations to existing electrical installations on that property. Maintenance specifically includes: replacement of an existing garbage disposal, dishwasher, or electric hot water heater with a similar appliance of 30amps or less, single phase by a landlord, landlord's agents or the employee of the landlord or landlord's agent. ORS 479.540(1)(b)

Housing Authority: Housing Authorities have special exemptions, see ORS 479.540(4)(a) and ORS 479.540(6)(a)



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2023 ORSC Residential Energy Form

RESIDENTIAL INFORMATION

Date: _____ Permit Number: _____
 Applicant's Name: _____ Signature: _____
 Job Address: _____ City: _____ State: _____ Zip: _____

INSTRUCTIONS

Please select the type of construction below; sign, date, and complete the entire form. Submit this form with your permit application or your project will be placed on hold until the required information is provided.

New Construction. All conditioned spaces within residential buildings must comply with Table N1101.1(1) and one additional measure from Table N1101.1(2) on page 2.

Additions. Additions to existing buildings or structures may be made without making the entire building or structure comply if the new additions comply with the requirements of this chapter. (N1101.3)

Large Additions. Additions that are equal to 600 square feet (55 m²) in area must comply with Table N1101.1(2) on page 2. (N1101.3.1) *(Note: You must select one measure.)*

Small Additions. Additions that are less than 600 square feet in area must select one measure from Table N1101.1(2) on page 2 or comply with Table N1101.3 on page 2. (N1101.3.2)

Exception: Additions that are less than 225 square feet in area are not required to comply with Table N1101.1(2) or Table N1101.3.

Change of Use of Occupancy
 See additional information on page 4 of this document for further clarification.

Alterations and Repairs

Note: N1101.2.3 change of occupancy or use. Definition of "Change of use" for purposes of Section N1101.2.3 is a change of use in an existing residential building and shall include any of the following: any unconditioned spaces such as an attached garage, basement, porch, or canopy that are to become conditioned spaces; any unconditioned, inhabitable space that is to become conditioned space, such as a large attic. **Change of Use, see Section N1101.2.3.1. Change of Occupancy, see Section N1101.2.3.2.**

**TABLE N1101.2
 EXISTING BUILDING COMPONENT REQUIREMENTS**

BUILDING COMPONENT	REQUIRED PERFORMANCE	EQUIVALENT VALUE
Wall insulation	U-0.083	R-15
Flat ceiling	U-0.025	R-49
Vaulted ceiling > 10 inches nominal rafter depth	U-0.040	R-25
Vaulted ceiling > 8 inches nominal rafter depth	U-0.047	R-21
Underfloor > 10 inches nominal joist depth	U-0.028	R-30
Underfloor > 10 inches nominal joist depth	U-0.039	R-25
Slab-edge perimeter	N/A	N/A
Windows and glazed doors	U-0.30	U-0.30
Skylights	U-0.50	U-0.50
Exterior doors	U-0.20	R-5

For SI: inch-25.4mm, 1 square foot = 0.0929m²



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TABLE N1101.3 – SMALL ADDITION ADDITIONAL MEASURES (SELECT ONE)

<input type="checkbox"/>	1. Increase the ceiling insulation of the existing portion of the home as specified in Table N1101.2.
<input type="checkbox"/>	2. Replace all existing single-pane wood or aluminum windows to be U-value as specified in Table N1101.2.
<input type="checkbox"/>	3. Insulate the existing floor, crawl space, or basement systems as specific in Table N1101.2 and install 100 percent of permanently installed lighting fixtures as CFL, LED, or linear fluorescent, or a minimum efficacy of 40 lumens per watt as specified in Section N1107.2.
<input type="checkbox"/>	4. Test the entire dwelling with blower door and exhibit no more than 4.5 air changes per hour @ 50 Pascals.
<input type="checkbox"/>	5. Seal and performance test the duct system.
<input type="checkbox"/>	6. Replace existing 80 percent AFUE or less gas furnace with a 92 percent AFUE or greater system.
<input type="checkbox"/>	7. Replace existing electric radiant space heaters with a ductless mini-split system with a minimum HSPF of 10.0 or HSPF2 of 9.0
<input type="checkbox"/>	8. Replace existing electric forced air furnace with an air source heat pump with a minimum HSPF of 9.5 or HSPF2 of 8.1.
<input type="checkbox"/>	9. Replace existing water heater with a water heater meeting: <ul style="list-style-type: none"> • Natural gas/propane water heater with minimum UEF 0.90, or • Electric heat pump water heater with minimum 3.45 UEF

TABLE N1101.1(2) ADDITIONAL MEASURES

<input type="checkbox"/>	1. HIGH EFFICIENCY HVAC SYSTEM a. Gas-fired furnace or boiler AFUE 94%, or b. Air source heat pump HSPF 10.0/14.0 SEER cooling, of 8.5 HSPF2/15.0 SEER2, or c. Ground source heat pump COP 3.5 or Energy Star rated
<input type="checkbox"/>	2. HIGH EFFICIENCY WATER HEATING SYSTEM a. Natural gas/propane water heater with minimum UEF 0.90, or b. Electric heat pump water heater with minimum 3.45 UEF, or c. Natural gas/propane tankless/instantaneous heater with minimum 0.80 UEF and Drain Water Heat Recovery Unit installed on minimum of one shower/tub-shower
<input type="checkbox"/>	3. WALL INSULATION UPGRADE Exterior walls – U-0.045/R-21 conventional framing with R-5.0 continuous insulation
<input type="checkbox"/>	4. ADVANCED ENVELOPE Windows – U-0.21 (Area weighted average), and Flat ceiling – U-0.017/R-60, and Framed floors – U-0.026/R-38 or slab edge insulation to F-0.48 or less (R-10 for 48", R-15 for 36", or R-5 fully insulated slab)
<input type="checkbox"/>	5. DUCTLESS HEAT PUMP For dwelling units with all-electric heat provide: <ul style="list-style-type: none"> • Ductless heat pump of minimum HSPF 10 or HSPF2 9.0 in primary zone replaces zonal electric heat sources, and • Provide programmable thermostat for all heaters in bedrooms
<input type="checkbox"/>	6. HIGH EFFICIENCY THERMAL ENVELOPE UA Proposed UA is 8 percent lower than the code UA
<input type="checkbox"/>	7. 2.75 ACH AIR LEAKAGE CONTROL AND EFFICIENT VENTILATION Achieve a maximum of 2.75 ACH50 whole-house air leakage when third-party tested and provide a whole-house ventilation system, including heat recovery with a minimum sensible heat recovery efficiency of not less than 66 percent and total fan efficacy of 1.6 CFM/Watt (combined input for supply and exhaust).

Choose one of the following methods to meet the Mechanical Whole-House Ventilation System requirements (see BCD technical bulletin)	
<input type="checkbox"/>	Supply and exhaust fans providing continuously-operating, balanced, WHV without a furnace.
<input type="checkbox"/>	Supply and exhaust fans providing continuously-operating, balanced, WHV with a furnace.
<input type="checkbox"/>	Central Fan Integrated Supply (CFIs) continuously-operating, balanced WHV. Furnace serves as the intake fan. Shall be interlocked with exhaust system and an override switch.
<input type="checkbox"/>	Heat recovery/energy recovery ventilation providing continuously-operating, balanced, WHV. Supply may be connected to the central furnace return air.
<input type="checkbox"/>	Other approved method detailed on the construction documents. Reference page number _____.



TABLE N1101.1(1) PRESCRIPTIVE ENVELOPE REQUIREMENTS^a

BUILDING COMPONENT	STANDARD BASE CASE		LOG HOMES ONLY	
	Required Performance	Equivalent Value ^b	Required Performance	Equivalent Value ^b
Wall insulation—above grade	U-0.059c	R-21 Intermediate ^c	Note d	Note d
Wall insulation—below grade ^e	C-0.063	R-15 c.i. / R-21	C-0.063	R-15/R-21
Flat ceilings ^f	U-0.021	R-49	U-0.020	R-49 A ^h
Vaulted ceilings ^g	U-0.033	R-30 Rafter or R-30A ^g , ^h Scissor Truss	U-0.027	R-38A ^h
Underfloors	U-0.033	R-30	U-0.033	R-30
Slab-edge perimeter ^l	F-0.520	R-15	F-0.520	R-15
Heated slab interior ⁱ	N/A	R-10	N/A	R-10
Windows ^j	U-0.27	U-0.27	U-0.27	U-0.27
Skylights	U-0.50	U-0.50	U-0.50	U-0.50
Exterior doors ^k	U-0.20	U-0.20	U-0.54	U-0.54

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929 m², 1 degree = 0.0175 rad,
 N/A = Not Applicable.

- a. As allowed in Section N1104.1, thermal performance of a component may be adjusted, provided that overall heat loss does not exceed the total resulting from conformance to the required *U*-factor standards. Calculations to document equivalent heat loss shall be performed using the procedure and approved *U*-factors contained in Table N1104.1(1).
- b. *R*-values used in this table are nominal for the insulation only in standard wood-framed construction and not for the entire assembly.
- c. Wall insulation requirements apply to all exterior wood-framed, concrete or masonry walls that are above grade. This includes cripple walls and rim joist areas. Nominal compliance with R-21 insulation and Intermediate Framing (Section N1104.5.2) with insulated headers.
- d. The wall component shall be a minimum solid log or timber wall thickness of 3½ inches.
- e. Below-grade wood, concrete or masonry walls include all walls that are below grade and do not include those portions of such wall that extend more than 24 inches above grade. R-21 for insulation in framed cavity; R-15 continuous insulation.
- f. Insulation levels for ceilings that have limited attic/rafter depth such as dormers, bay windows or similar architectural features totaling not more than 150 square feet in area may be reduced to not less than R-21. Where reduced, the cavity shall be filled (except for required ventilation spaces). R-49 insulation installed to minimum 6-inch depth at top plate at exterior of structure to achieve *U*-factor.
- g. Vaulted ceiling surface area exceeding 50 percent of the total heated space floor area shall have a *U*-factor not greater than U-0.026 (equivalent to R-38 rafter or scissor truss with R-38 advanced framing).
- h. A = Advanced frame construction. See Section N1104.6.
- i. Heated slab interior applies to concrete slab floors (both on and below grade) that incorporate a radiant heating system within the slab. Insulation shall be installed underneath the entire slab in addition to perimeter insulation.
- j. Glass doors shall comply with window performance requirements. Windows exempt from testing in accordance with Section N1104.4 shall comply with window performance requirements if constructed with aluminum with thermal break, wood, vinyl, reinforced vinyl aluminum-clad wood, or insulated fiberglass frames, and double-pane glazing with low-emissivity coatings of 0.10 or less. Buildings designed to incorporate passive solar elements may include glazing with a *U*-factor greater than 0.35 by using Table N1104.1(1) to demonstrate equivalence to building envelope requirements.
- k. A maximum of 28 square feet of exterior door area per dwelling unit can have a *U*-factor of 0.54 or less.
- l. Minimum 24-inch horizontal or vertical below grade. The minimum total distance of 24 inches may be a combination of the horizontal and vertical planes. If a horizontal plane is used on the exterior of the slab, it must be a minimum of 12 inches below finished grade.



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N1101.2.3 Change of occupancy or use.

Definition of “change of use” for purposes of Section N1101.2.3.1 is a change of use in an existing *residential building* and shall include any of the following: any unconditioned spaces such as an attached garage, basement, porch, *attic* or canopy that are to become *conditioned spaces*.

N1101.2.3.1 Change of use.

A building that changes use, without any changes to the components regulated in this chapter, is required to comply with Table N1101.2 to the greatest extent practical. Changes of use that are greater than 30 percent of the *existing building* heated floor area or more than 400 square feet (37 m²) in area, whichever is less, shall be required to comply with one measure from Table N1101.3.2.

N1101.2.3.2 Change of occupancy.

Alteration and repair of conditioned nonresidential buildings, such as a change of occupancy from a small church or school to a residential *dwelling*, shall use Table N1101.2 to the greatest extent practical and comply with one measure from Table N1101.1(2) or Table N1101.3.2.

Exception: The minimum component requirements shall be disregarded where thermal performance calculations are completed for change of use to a Group R-3 occupancy, and such calculations demonstrate similar performance to the requirements of Table N1101.2.

N1101.4 Information on plans and specifications.

Plans and specifications shall show in sufficient detail all pertinent data and features of the building and the equipment and systems as herein governed, including, but not limited to: exterior envelope component materials; *R*-values of insulating materials; *fenestration U*-factors; HVAC equipment efficiency performance and system controls; lighting; an additional measure from Table N1101.1(2); and the other pertinent data to indicate compliance with the requirements of the chapter.



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Moisture Content & High-Efficiency Interior & Exterior Lighting System
Acknowledgement Form

I, _____, am the authorized agent or the owner at the following address:

Street Address

City State Zip Code

Permit #

- A) R318.2 Moisture Content.** Prior to the installation of interior finishes, the Building Official shall be notified in writing by the general contractor that all moisture-sensitive wood framing members used in construction have moisture content of not more than 19 percent of the weight of dry wood framing members.

- B) N1107.2 High-Efficiency Lamps.** All permanently installed lighting fixtures shall be high efficiency light sources. Exception: Two permanently installed lighting fixtures are not required to be high-efficiency light sources when controlled by a dimmer or automatic control.

- C) N1107.3 High-Efficacy Exterior Lighting** – Same requirements as N1107.2 above.

Print Name: _____

Signed: _____
(Circle One) Owner/General Contractor/Authorized Agent

Date: _____



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Sewage Backflow Acknowledgement

It shall be the applicant's responsibility to verify if the drainage of any plumbing fixtures are located below the next upstream manhole or below the main sewer level. Where fixture openings are below the next upstream manhole or below the main sewer level, backflow preventers shall be installed in accordance with 710.1 of the current Oregon Plumbing Specialty Code (OPSC). Failure to install such device could result in crawl spaces and homes filling with sewage when main sewer systems are backed up. By signing this form you acknowledge this requirement and the risk that comes with failing to install such device when required.

Site Address: _____

Applicant's Signature _____

Date _____



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Wildfire Mitigation Plan Submittal Form

Instructions: Identify in each section how compliance with R327 Wildfire Hazard Mitigation requirements are achieved (Check and fill in information for all that applies).

Roofing (R327.3)

Note: There are additional requirements for preventing intrusion of embers and flames in open spaces between roofing and roof decking and additional flashing requirements

Material (Minimum Class B)	Manufacturer	Product Name	Fire-Resistance Rating Class A or B

Rain Gutters (R327.3.1)

Non-combustible rain gutter with non-combustible corrosion-resistant screening
--

Vents (Flame and Ember-Resistant): Eave, Soffit, Cornice, and Ceiling <12 feet above grade or surface below (R327.3.2.1)

Vented Roof (vents that are listed and tested by ASTM E2886, or Building Official approval)
Unvented Roof (see attachment, all conditions shall be met)

Location	Manufacturer	Product Name	Approval Listing #

All Other Vents (R327.3.2)

Material
Corrosion-resistant with maximum 1/8" non-combustible corrosion-resistant metal mesh

Exterior Wall Covering (R327.3.3)

Note: There are additional requirements for how wall coverings terminate. For combustible siding/wall covering, fill out the following table or explain how you will achieve requirements:

Location	Orientation	Material	Manufacturer	Product Name	Approval Listing #
One layer of minimum 5/8" exterior grade Type X behind covering or 1-hour fire-resistive assembly					



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Overhanging Projections, Roof Eaves, Soffits, Cornices, Patio/Porch Ceilings, or Underfloor Protection of Elevated Structures (R327.3.4.1)

Note: Gable end overhangs beyond an ext. wall other than at the lower end of rafter tails are exempt.

Location	Material	Manufacturer	Product Name	Approval Listing #
One layer of minimum 5/8" exterior grade Type X behind covering or 1-hour fire-resistive assembly				

Walking Surfaces (R327.3.5)

Note: Fill this in for any combustible surface decking material planned. If none, label N/A.

Material	Manufacturer	Product Name	Approval Listing #

Glazing in Windows, Doors, Skylights (R327.3.6)

Material
All, dual glazing, tempered glass, glass block, or a fire resistance rating of not less than 20 min.

Applicant Name _____

Applicant Signature _____

Date _____



City of Ashland Conservation Division

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Carbon Pollution Impact Fee

Permit Type: Carbon Pollution Impact Fee - New Residential Construction

Work Class: Residential

Location of Project:	
Applicant Name:	
Applicant Phone Number:	
Applicant Email:	
Applicant Address:	
Owner Name:	
Owner Phone Number:	
Owner Email:	
Owner Address:	
Contractor Name:	
Contractor Phone Number:	
Contractor Email:	
Contractor Address:	

This fee shall be due upon the issuance of building permits:

Thermal Energy System Type*	Quantity (enter 0 for fully electric appliances)	Fee per Unit	Total fee per type (quantity x fee per unit)
Furnace		\$4,118.40	
Water Heater		\$1,289.60	
Range		\$374.40	
Fireplace		\$728.00	
Clothes Dryer		\$146.00	
Total Climate Pollution Impact Fee Due (add totals per type)			

*"Thermal energy system" means any system for space conditioning, water heating, cooking, process heat, or other building energy use that relies on fossil fuel combustion, excluding outdoor grills, heaters, or other systems designed for exclusive use outside of enclosed residential structures.

The applicant understands that if fossil fuel piping is present for an appliance but no appliance is installed, the absent appliance will be assumed to use fossil fuels, and the fee must be calculated accordingly. However, if a new electric appliance is installed, even with existing fossil fuel piping, no fee will be applied.

Signature:

Date:



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climate@ashlandoregon.gov

<https://ashlandoregon.gov/1150/Carbon-Pollution-Impact-Fee>

Carbon Pollution Impact Fee

The Carbon Pollution Impact Fee was adopted on February 18, 2025 to promote the health, safety, and general welfare of Ashland residents and aligns with the goals set forth in Ashland Municipal Code [9.40](#) (Climate Recovery) and implements the Climate and Energy Action Plan (CEAP) adopted in 2017.

It is now part of the [Ashland Municipal Code under chapter 9.45](#), where you can read the entire language.

Chapter 9.45 will take effect on January 1, 2026 and the resulting fees will be required for applicable building types with building permits issued after this date.

New residential buildings are covered:

- This means new construction of any residential building, including complete demolition and rebuilds, and any accessory dwelling units. This definition does not include additions, alterations, renovations, or repairs to existing buildings.

Fossil fuels include:

- Fuels derived from hydrocarbons, including but not limited to natural gas, coal, oil, propane, and kerosene.

The fees for each fossil fuel unit installed in 2026 are:

- Furnace = \$4,118.40
- Water Heater = \$1,289.60
- Range = \$374.40
- Fireplace = \$728.00
- Clothes Dryer = \$145.60

This fee shall be due upon the issuance of building permits.

- The fees are issued per unit installed and are submitted via our [online application](#).



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Attachment: Unvented Roofs

R806.5 Unvented attic and unvented enclosed rafter assemblies.

Unvented *attics* and unvented enclosed roof framing assemblies created by ceilings that are applied directly to the underside of the roof framing members and structural roof sheathing applied directly to the top of the roof framing members/rafters, shall be permitted where all the conditions are met:

1. The unvented *attic* space is completely within the *building thermal envelope*.
2. Interior Class I vapor retarders are not installed on the ceiling side (*attic* floor) of the unvented *attic* assembly or on the ceiling side of the unvented enclosed roof framing assembly.
3. A minimum insulation level of R-20 air-impermeable or rigid board insulation embedded into *air-permeable insulation* shall be installed above all recessed fixtures, such as recessed lights and exhaust fans.
4. Where wood shingles or shakes are used, a minimum ¼-inch (6.4mm) vented airspace separates the shingles or shakes and the roofing underlayment above the structural sheathing.
5. Any *air-impermeable insulation* shall be a Class II vapor retarder, or shall have a Class II vapor retarder coating or covering in direct contact with the underside of the insulation.
6. Insulation shall comply with Item 6.1, 6.2, or 6.3. Where preformed insulation board is used as the *air-impermeable insulation* layer as specified in the items below, it shall be sealed at the interior perimeter or each individual sheet to form a continuous layer.
 - 6.1 Where only *air-impermeable insulation* is provided, it shall be applied in direct contact with the underside of the structural roof sheathing.
 - 6.2 Where *air-permeable insulation* is installed directly below the structural sheathing, rigid board or sheet insulation shall be installed directly above the structural roof sheathing to an insulation level not less than R-20 for condensation control.
 - 6.3 Where both *air-impermeable* and *air-permeable insulation* are provided, the *air-impermeable insulation* shall be applied in direct contact with the underside of the structural roof sheathing to an insulation level not less than R-20 and shall be in accordance with the R-values in Table R806.5 for condensation control. The *air-permeable insulation* shall be installed directly under the *air-impermeable insulation*.