

Klickitat PUD Residential Weatherization Energy Efficiency Program Participation Requirements and Instructions

Thank you for your interest in our Residential Weatherization Energy Efficiency Program. We are pleased to have the opportunity to offer you this service through our association with Bonneville Power. Because of this collaboration of funds, the information we collect from you is required to help determine your eligibility and may also be used to evaluate and audit data about energy use and the conservation program as a whole. With that, your information may be requested for certain site visits to evaluate the performance of the program, and it is to be kept available for three years. No personal information will be issued to the public.

PROGRAM REQUIREMENTS

Residential weatherization measures include prime windows, exterior insulated doors, insulation, and air sealing, and must be installed according to KPUD, BPA Residential Weatherization Standards (visit www.klickitatpud.org or available upon request), and manufacturer standards & specifications, and are subject to inspection for the approval process. KPUD reserves the right to make changes to all programs, and rebates are subject to the availability of funds through the Energy Efficiency Program.

Many weatherization measures can be self-installed. However, if you choose to hire a contractor, a list of participating contractors is available at www.comfortreadyhome.com. If you select a contractor not listed on the site, they must be bonded and licensed in the state of Washington. If you are self-installing, no labor charges can be added to the final costs on submitted invoices. Any structural defects in the residence (e.g., dry rot, roof leaks, and water pipe leaks, etc....) must be repaired before the installation of any KPUD-approved measures, and paid by the customer.

All installations must comply with applicable state and local codes, HUD codes, and federal regulations as appropriate.

ALL PROJECT APPLICATIONS MUST BE RECEIVED BY KPUD WITHIN FIVE (5) MONTHS OF THE COMPLETION DATE TO BE ELIGIBLE FOR A REBATE.

NOTE TO INSTALLERS: Please contact KPUD's Energy Services to obtain specifications and requirements, as each measure may require special forms and procedures to be followed.

QUALIFYING RESIDENCE: Most residential weatherization measures are available for existing single-family and existing manufactured homes. Custom projects may be available for multifamily (5 or more dwelling units within one structure). New construction is NOT eligible. Review each measure description for the complete requirements.

EXISTING HEATING SYSTEM REQUIREMENTS: To be eligible for most weatherization measures, homes must have an electric heating system as the primary system; For a home to be eligible for weatherization measures, it must be heated with either a primary electric heating system (serving 50% or more of the conditioned living area of a residence) or must have one of the following as an existing heating system:

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Primary Residential Heating System	Home Type			
	Single Family: Existing	Manufactured: Existing	Multifamily: Existing	New Construction
Electric Forced-Air Furnace	Eligible	Eligible	Eligible with limitations	NOT Eligible
Electric Ducted Heat Pump	Eligible	Eligible	Eligible with limitations	
Electric Ductless Mini-Split Heat Pump	Eligible	Eligible	Eligible with limitations	
Zonal (electric-resistance or plug-in space heater)	Eligible	Eligible	Eligible with limitations	
Wood or Pellet	Eligible when accompanied by an electric heating system			
Oil/Gas/Propane	Eligible as supplementary heat for a heat pump system. Eligible if accompanied by an electric heat system; however, the non-electric heating system must be decommissioned			
None Existing	NOT Eligible			

PROGRAMS AVAILABLE

WINDOWS and PATIO DOORS REPLACEMENT:

Qualifying Specifications:

Pre-existing windows and patio doors must be:

1. Single pane with/without storms, any frame type (e.g., metal, wood, vinyl), or
2. Double pane, metal frame only.

New installations must meet these minimum general requirements, but are not limited to (See BPA Residential Weatherization Standards for more details):

1. Be increased to Energy Star windows with a National Fenestration Rating Council (NFRC) minimum U-value of .30 or lower and Patio / French doors with a U-value of .35 or lower.
2. Caulk and prime all exterior wood, including frame, sash, trim, stops, and sills on all sides and ends.
3. Support the bottom rail of a patio door within 1/2 inch of the exterior edge of the frame. Any wood that touches the ground or concrete must be pressure-treated.
4. Incorporate the replacement window and window opening into the home's water-resistive barrier using proper flashing techniques for each specific window type.
5. Seal the structural frame to the window, and seal surrounding gaps and cracks. A) Frame: Install caulk or low-expansion foam between the window frame and rough opening. Install backer rod or non-expanding foam and caulk where the gap is greater than 3/8 inch. B) Exposed framing components: Caulk at exposed wood-to-wood framing cracks; remove sash weights, if applicable, and seal and insulate weight channels.
6. Cover gaps of over 3/8 inch between the exterior siding and the window with solid trim material. Fill all exterior or interior voids over 3/8 inch in width or depth with window manufacturer-approved materials, such as non-expanding foam, backer rod, or similar product, before caulking, if caulking will be applied.
7. Where an existing window meets code-required egress requirements, the replacement window must also meet those egress requirements. Note: Manufactured Homes bedroom windows have special egress codes; check with your local code enforcement office.

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Measure Specific Completion Requirements:

1. KPUD must make a pre-install and post-install inspection inside the residence and have access to all windows being replaced to qualify.
2. Leave the NFRC labels showing U-Factor on the windows for post-install inspection to be removed by KPUD. If removed, the project may not qualify for the rebate.

See the Final Inspection and Completion Procedure for the minimum required paperwork.

EXTERIOR INSULATED DOORS:

This measure is for the replacement of an uninsulated or otherwise substandard exterior door in conditioned home spaces only.

Qualifying Specifications:

1. The new door must be a pre-hung.
2. Must also include the replacement of the threshold.
3. Must be either ENERGY STAR certified or NFRC-rated and meet the glazing, U-factor, and solar heat gain coefficient requirements below

Glazing Level	U-Factor	Solar Heat Gain Coefficient
Opaque	≤ 0.17	No rating
$\leq \frac{1}{2}$ -Lite	≤ 0.25	≤ 0.25
$>\frac{1}{2}$ -Lite	≤ 0.30	≤ 0.40

Measure Specific Completion Requirements:

1. Documentation of proof of either Energy Start or NFRC Rating (packaging/label/sticker)

See the Final Inspection and Completion Procedure for the minimum required paperwork.

INSULATION:

Qualifying Specifications:

1. Single-family homes can qualify for the following insulation measures: Attic, wall/knee wall, and floor.
2. Manufactured homes can qualify for the following insulation measures: Attic and floor.
3. Multifamily may qualify for the following insulation measures: Attic, wall/knee wall, and floor.

Pre-existing requirements vary from measure and home type. See the Rebate Value chart for the determination of qualification.

New insulation installations must meet these minimum general requirements, but are not limited to (See BPA Residential Weatherization Standards for more details):

1. All materials must be installed according to the manufacturer's instructions.
2. All materials must resist environmental degradation according to how they're used and their exposure to environmental factors.
 - *Materials used in weatherization must resist corrosion if exposed to corrosive materials.
 - *Materials used in weatherization must resist mold and rot if exposed to ground moisture or a foundation.
 - *Materials used in weatherization must resist degradation from ultraviolet light if exposed to ultraviolet light.
 - *Materials used in weatherization must be compatible with other elements and materials for the sake of durability (for example, won't react chemically).

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3. Structural members and building components must be free of decay and must be structurally sound before weatherization measures are installed in their vicinity.
4. Insulation materials must meet the requirements of the Federal Trade Commission Labeling Rule (16 CFR 460).
5. The UL label or equivalent label must appear on every bag of loose-fill cellulose material. It must include the file number (R-number) of the manufacturer and the issue number for labels purchased. This ensures adherence to the requirements of CPSC cellulose regulation 16 CFR 1209, which includes critical radiant flux, smoldering combustion, settled density, and corrosiveness.
6. Insulation materials must comply with fire-barrier requirements in local building codes, according to whether insulation is installed in an occupied area of the home or an intermediate zone, such as an attic or crawlspace.

Measure Specific Completion Requirements:

1. KPUD must make a pre-install, in-progress (when needed), and post-install inspection inside the residence to qualify.
2. Labels of materials used must be submitted. If not provided, the project may not qualify for the rebate.
3. The insulation project must consist of replacing all of one specific area. Examples: all of the attic or all of floor or all of wall. No section work will be allowed for rebate.

See the Final Inspection and Completion Procedure for the minimum required paperwork.

AIR SEALING (Whole House Sealing & Testing):

Qualifying Specifications: Whole House Air Sealing & Testing

1. This measure must be completed by an approved and licensed technician.
2. This measure is not available in multifamily homes.
3. The use of a blower door to measure and identify air leakage locations is required.
4. If combustion appliances are present (e.g., fireplace, wood or gas stove, gas range, gas water heater), a UL- or CUL-approved carbon monoxide detector must be present or installed.
5. Additional documentation showing the following requirements is required:
 - Difference between pre and post-conditions CFM (CFM at 50 Pascals)
 - Total square footage of the pressure zone tested and sealed (typically this is the conditioned, interior space, heated floor area of the home)
 - Building volume
 - Notes on mechanical ventilation requirements

See the Final Inspection and Completion Procedure for the minimum required paperwork.

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IMPLEMENTATION PROCESS

Request a Pre-Audit of the home with our Energy Services Specialist from KPUD to start the process. Call (509) 773-7622 to schedule an appointment. Rebates may be denied if a pre-audit is not completed before starting the work.

1. Read the desired project's Program Participation Requirements and Instructions pages.
2. Complete and return the Residential Weatherization Rebate Application.

BID ACCEPTANCE AND INSTALLATION PROCEDURE

Many weatherization measures can be self-installed. However, if you choose to hire a contractor, a list of participating contractors is available at www.comfortreadyhome.com. If you select a contractor not listed on the site, they must be bonded and licensed in the state of Washington.

KPUD recommends obtaining at least two (2) bids. No bid should be accepted unless the contractor has physically inspected the premises. To ensure fair and accurate evaluations, all contractors should receive the same description of the measures to be installed.

When entering into a contract with your chosen installer, please note that contractors are not agents of KPUD. As such, we cannot guarantee they are familiar with our current program requirements. You may need to inform them of these requirements.

Be sure to complete any necessary paperwork required by the contractor.

If you are interested in using KPUD's Conservation Loan Program for your project, please contact our Energy Services Department for more information and an application, as the loan process differs from what is outlined here.

Similarly, if you believe you may qualify for our Income-Qualified Program, please contact our Energy Services Department for details and an application, as that process also differs from the standard procedure.

FINAL INSPECTION AND COMPLETION PROCEDURE

1. After the completed installation of all materials, contact KPUD to schedule an on-site inspection.
2. We request that the homeowner and/or occupant be present for the inspection.
3. If corrections are needed, KPUD will provide documentation for the homeowner and the installer to clarify changes required to comply with installation requirements.
4. If corrections were required, another inspection will need to be scheduled.
5. Once all work is complete and approved by you and KPUD, KPUD will then process the rebate request for approval and payment if approved and if/when funds are available.
6. Minimum required paperwork must be submitted for each measure:
 - a. Equipment/contractor invoice showing:
 - * Manufacturer
 - * Model number
 - * Type, size, and quantity of equipment or product installed or used
 - * Purchase date
 - * Installed costs
 - b. Measure specific required documentation (see each measure for more details)
 - c. Completed Residential Weatherization Rebate Application.

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NOTICES AND DISCLAIMERS

Kickbacks, rebates, non-authorized discounting of bids, or other non-program benefits from the Contractors are prohibited and may be subject to federal law. All materials and installations must comply with current KPUD/BPA conservation specifications to be eligible for funding.

Contractors participating in the program shall not be considered officers, agents, or employees of BPA or KPUD; therefore, KPUD shall not be liable for the tortuous acts or omissions of the Contractors or other independent contractors. All installations are subject to Quality Assurance oversight inspections by BPA-approved Inspectors.

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REBATE VALUES

Klickitat PUD reserves the right to make changes to all programs, and rebates are subject to the availability of funds through the Energy Efficiency Program. See measure-specific details as shown herein.

ALL PROJECT APPLICATIONS MUST BE RECEIVED BY KPUD WITHIN FIVE (5) MONTHS OF THE COMPLETION DATE TO BE ELIGIBLE FOR A REBATE.

Measure:	Minimum Installed Requirements	Rebate Value
<u>Windows</u> (Existing Single-Family/Manufactured Home) From: Single-pane any frame Or Double-pane metal frame	Must be installed to a u-value of .30 or less Stickers must be left on windows for verification by KPUD	\$4.50 per sq.' of existing window space
<u>Patio Door (glass)</u> (Existing Single-Family/Manufactured Home) From: Single-pane any frame Or Double-pane metal frame	Must be installed to a u-value of .35 or less Stickers must be left on windows for verification by KPUD	\$4.50 per sq.' of existing window space
Exterior Insulated Door (Existing Single-Family/Manufactured Home)	Must be ENERGY STAR or NFRC-rated and meet U-factor requirements. Pre-hung, Replacement of threshold	\$40.00 per door

Home Type	Insulation Measure	<u>Maximum</u> Pre-Existing Requirement	<u>Minimum</u> Installed Requirement	Rebate Value
Existing Single Family	Attic/A-Frame Sloped Ceiling	R-0 to R-7	R-38	\$1.50 per sq.'
		R-8 to R-11	R-38	\$0.75 per sq.'
	Floor	R-0 Only	R-19	\$0.75 per sq.'
	Wall/Knee Wall	R-0 Only	R-11	\$1.50 per sq.'
Existing Manufactured Home	Attic	R-0 Only	R-22 or Max possible	\$0.75 per sq.'
	Floor	R-0 Only	R-22 or Max possible	\$0.75 per sq.'
Air-Sealing	Contact KPUD for more detail Whole house Rebate is based on the quantity difference between pre & post CFM50 test			
Custom Projects	Other weatherization projects, Income Qualified, Multi-Family Low-Rise or Mid-High Rise			

***REBATE PAYMENTS WILL BE CAPPED AS NOT TO EXCEED ACTUAL APPROVED COST OF ANY PROJECT ***
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