

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 that we have the opportunity to offer this service to you 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 is to be kept available for three years. No personal information will be issued to the public.

PROGRAM REQUIREMENTS

All residential weatherization measures include prime windows, exterior insulated doors and insulation and must be installed according to KPUD, 2016 BPA Residential Weatherization Standards (visit www.klickitatpud.com 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.

Any of the weatherization measures can be self-installed, however if you prefer to use a contractor, you must use one from our "Authorized" list. 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 prior to 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.

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: Residential weatherization measures are available for existing single- family, manufactured homes and multifamily (1-4 units in a single structure up to 3 stories).

EXISTING HEATING SYSTEM REQUIREMENTS: To be eligible, homes must have an electric heating system as the primary system; or homes must have one of the following as an existing heating system:

1. A permanently-installed electric heating system with either (a) no other functioning non-electric heating system or (b) a wood stove, pellet stove, fireplace, fireplace insert (wood or pellet) or wood furnace.
2. An electric heat pump system integrated with a non-electric heating system (e.g., natural gas, propane, or wood supplementary/backup system).
3. A wood stove or pellet stove with no other non-electric space heating system, accompanied by the current usage of plug-in electric space heaters.
4. An electric heat system and a separate functional or non-functional, non-electric space heating system (i.e. oil, natural gas, or wood furnace) with the entire non-electric space heating system decommissioned, removed, all penetrations sealed, and all fuel (electric, gas, oil) connections to the decommissioned heating system disconnected. System equipment includes furnace, air handler, fuel lines, and fuel tanks (abated in compliance with local code). If, however, construction limitations prevent the removal of the entire non-electric system (or other portions of the space heating equipment), then the remainder of the system must be decommissioned, removed, all penetrations sealed, and all fuel (electric, gas, oil) connections to the decommissioned heating system disconnected.

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PROGRAMS AVAILABLE

WINDOWS and PATIO DOORS:

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 not limited to (See 2016 BPA Residential Weatherization Standards for more detail):

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 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 window frame and rough opening. Install backer rod or non-expanding foam and caulk where 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 prior to 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.

Measure Specific Completion Requirements:

1. KPUD must make a pre-install and Post-install inspection inside of the residence.
2. Leave the tags on the windows for post-installation. If removed project may not qualify for rebate.

EXTERIOR INSULATED DOORS:

This measure is for the replacement of an uninsulated or otherwise substandard exterior door.

Qualifying Specifications:

1. The new door must be an insulated exterior pre-hung Energy Star qualified door.
2. Must also include the replacement of the threshold.

INSULATION:

Qualifying Specifications:

1. Single Family 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 can qualify for the following insulation measures: Attic, wall/knee wall and floor.

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

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New installations must meet these minimum general requirements, but not limited to (See 2016 BPA Residential Weatherization Standards for more detail):

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).
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. Contractors must warrant all weatherization materials, products, and labor against failure due to manufacturing and installation defects for a period of at least 2 years from the installation date.
5. The American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) Handbook of Fundamentals is the accepted standard for R-value/U-factor of materials used by contractors. Products that vary from ASHRAE are acceptable if they comply with current Federal Trade Commission (FTC) certifications, testing and labeling rules, and have independent laboratory testing that indicates the product's R-value/U-factor.
6. Insulation materials must meet the requirements of the Federal Trade Commission Labeling Rule (16 CFR 460).
7. 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.
8. 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 in an intermediate zone, such as an attic or crawlspace.

Measure Specific Completion Requirements:

1. KPUD must make a pre-install, in-progress and post-install inspection inside of the residence.
2. Labels of materials used must be saved and submitted. If not provided, project may not qualify for rebate.

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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.

1. Read the Program Participation Requirements and Instructions pages.
2. Complete Residential Weatherization Rebate Application.

BID ACCEPTANCE AND INSTALLATION PROCEDURE

1. Customer is to secure bids from installer's listed KPUD Approved Contractors list, or if one is not available they must be bonded and licensed in Washington and they must contact KPUD to be approved. It is suggested that you obtain at least two (2) bids and no bid be accepted unless the premises have been visited and physically inspected by the bidding contractor. It is easier to evaluate submitted bids if each bidder receives the same description of the measures to be installed.
2. Complete any needed contractor required paperwork.
3. If you wish to use KPUD's Conservation Loan Program for your project, please contact our Energy Services department for more information and application as the process is different that stated herein.
4. If you think you may qualify for our Low-Income Program, please contact our Energy Services department for more information and application as the process is different that stated herein.

INSPECTION AND COMPLETION PROCEDURE

1. After the installation of all materials, contact KPUD to schedule an on-site inspection.
2. We request that homeowner and/or occupant be present for the inspection.
3. If corrections are needed, KPUD will notify the installer to clarify changes required comply with installation requirements.
4. If correction were required, another inspection will need to be scheduled.
5. Once all work is complete and approved by you, KPUD; KPUD will then process the rebate request for approval on the next scheduled Commissioner's meeting.
6. 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
 - * Costs

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 in order 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. Programs are evaluated and changes implemented by September 30th of every year. See measure specific details as shown above.

Measure	Minimum Installed Requirements	Rebate Value
Windows	Must be installed to a u-value of .30 or less	\$2.50 per sq.' of existing window space
Patio Doors	Must be installed to a u-value of .35 or less	\$2.50 per sq.' of existing window space
Exterior Insulated Door	Must be ENRGY STAR qualified	\$40.00 per door

Home Type	Insulation Measure	Pre-Existing Requirement	Minimum Installed Requirement	Rebate Value
Single Family	Attic	R-0 to R-11	R-38	\$0.57 per sq.'
		R-11 Max	R-38	\$0.25 per sq.'
	Floor	R-0 to R-11	R-22	\$0.25 per sq.'
	Wall	R-0	* R-11	\$0.57 per sq.'
Manufactured Home	Attic	R-0 to R-11	R-22	\$0.25 per sq.'
	Floor	R-0 to R-11	R-22 or maximum possible	\$0.25 per sq.'
Multifamily	Attic	R-0 to R-11	R-19	\$0.25 per sq.'
	Floor	R-0 to R-11	R-19 or R-30	\$0.57 per sq.'
	Wall	R-0	* R-11	\$0.57 per sq.'

* NOTE: walls with open cavity or unfinished walls (e.g. knee walls in attic) must be filled to a minimum of R-13
Questions about this program can be directed to Klickitat PUD Energy Services

Klickitat PUD
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www.klickitatpud.com

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