

NEW TRADE ALLY ORIENTATION

WINDOWS 2024

PUD 

AGENDA

- Introductions
- Benefits of joining the network
- Expectations
 - Contractor
 - PUD
- Conservation at the PUD
 - Why Energy Efficiency
 - Programs
 - Rebates and Application Process
- Next Steps



BENEFITS OF BECOMING A PUD REGISTERED TRADE ALLY

BENEFITS

- Competitive Advantage
 - **Only** PUD Registered Contractors can offer Single Family program rebates
- Online Contractor Directory
 - Customer traffic
- Credibility
 - Ability to leverage PUD Logo
- Program Outreach



ONLINE CONTRACTOR DIRECTORY

- Directory on PUD's website where customers can search contractors by
 - Contractor Type (Insulation, Windows, Heating)
 - Performance (Completed Jobs)
 - Years in Network
 - **List is now randomly sorted, so contractors at the top of list vary each time it is opened.**
- Your marketing opportunity! Provide content such as
 - Link to your site

*Keep contact info updated

*Must meet program requirements to stay included



ONLINE DIRECTORY

Window Contractors

PUD Trade Ally registered contractors for installation of eligible residential insulated windows and sliding glass doors.

PLEASE READ "RESTRAINT OF TRADE" RESTRICTION NOTE AT BOTTOM OF PAGE.

Sort by: **JOBS** **YEARS IN NETWORK** **A-Z**

R & L Glass Installation

13 Jobs in the last year
PUD registered trade ally since 2016
Specialties: Single Family, Windows

206-255-8662

www.rnlwindows.com

rnlwindows@yahoo.com

8531 Vistarama Avenue A
Everett, WA, 98208

Green City Window & Door

3 Jobs in the last year
PUD registered trade ally since 2010
Specialties: Single Family & Multifamily, Windows

425-200-9191

greencitywindow.com

leads@greencitywindow.com

1732 194th Street SE
Bothell, WA, 98012

Superior Glass Installations, Inc.

24 Jobs in the last year
PUD registered trade ally since 2004
Specialties: Insulation, Single Family & Multifamily, Windows

425-356-9556, 206-518-9404

superiorglassinstallationsinc.com

superiorglassinstallations@gmail.com

8612 56th Court W
Mukilteo, WA, 98275

Glass By Lund, Inc.

21 Jobs in the last year
PUD registered trade ally since 1980
Specialties: Single Family, Windows

425-334-5863

www.glassbylund.com

info2@glassbylund.com

9433 4th Street NE Suite 101
Lake Stevens, WA, 98258

CF Builders

0 Jobs in the last year
PUD registered trade ally since 2005
Specialties: Single Family & Multifamily, Windows

425-623-7615, 425-346-9464

www.cfbuilder.com

derek@cfbuilder.com

4908 88th Street NE
Marysville, WA, 98270

Window World of North Puget Sound

83 Jobs in the last year
PUD registered trade ally since 2017
Specialties: Single Family & Multifamily, Windows

425-265-0101

www.windowworldpugetsound.com

northpugetsound@windowworld.com

21718 66th Ave W Ste 200
Mountlake Terrace, WA, 98043



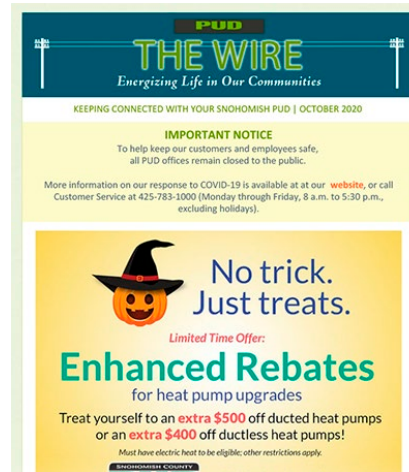
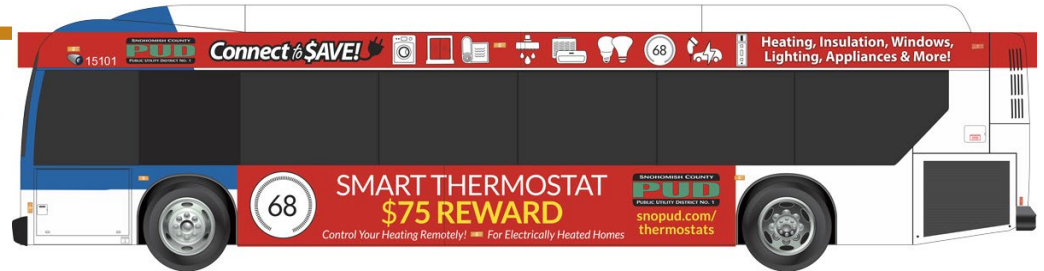
CREDIBILITY

- Promote
 - Authorized participation in PUD energy efficiency programs
 - Ability to offer rebates
- Use **online** & in **print** materials
 - All use must be **pre-approved**
 - See **usage guidelines** on www.snopud.com/TAResources



PROGRAM OUTREACH

- Promotional Materials
- Newsletters
- Television Commercials
- Print & Digital Ads
- Community Fairs/Events
- Transit Ads
- Social Media



EXPECTATIONS OF CONTRACTORS

EXPECTATIONS: PRE-INSTALLATION

- Solicit New Business
 - Perform outreach and promote PUD initiatives
- Provide Energy Efficiency Expertise
 - What solution is best for customer?
 - Provide estimate and discuss costs
- **Qualify & Guide Customers**
 - Know program benefits and eligibility requirements
 - Navigate program processes and paperwork for customer



SNOHOMISH COUNTY
PUD
PUBLIC UTILITY DISTRICT NO. 1
REGISTERED
TRADE ALLY

EXPECTATIONS: PERFORMANCE

- Commitment to Quality and Partnership
- Install to “Best Practices”
- Customer Satisfaction
 - Resolve any complaints



EXPECTATIONS: PERFORMANCE

- Install work to meet PUD program specifications
 - Determined largely by BPA requirements
- Volume
 - Minimum 2 jobs/yr (12-mo grace period to start)
- Timeliness & Paperwork
 - Complete “Call Backs” within 30 days
 - Keep insurance and licenses current

B O N N E V I L L E
P O W E R A D M I N I S T R A T I O N



EXPECTATIONS OF PUD

EXPECTATIONS: PUD

- Monitor contractor performance
- Provide timely feedback
- **Support contractors with a goal of shared success**
- Partner with contractor to make sure program is a good fit
- Promptly notify contractors of program updates
- Market conservation programs
- Foster open communication



ENERGY ADVISOR LINE

(425) 229-5598



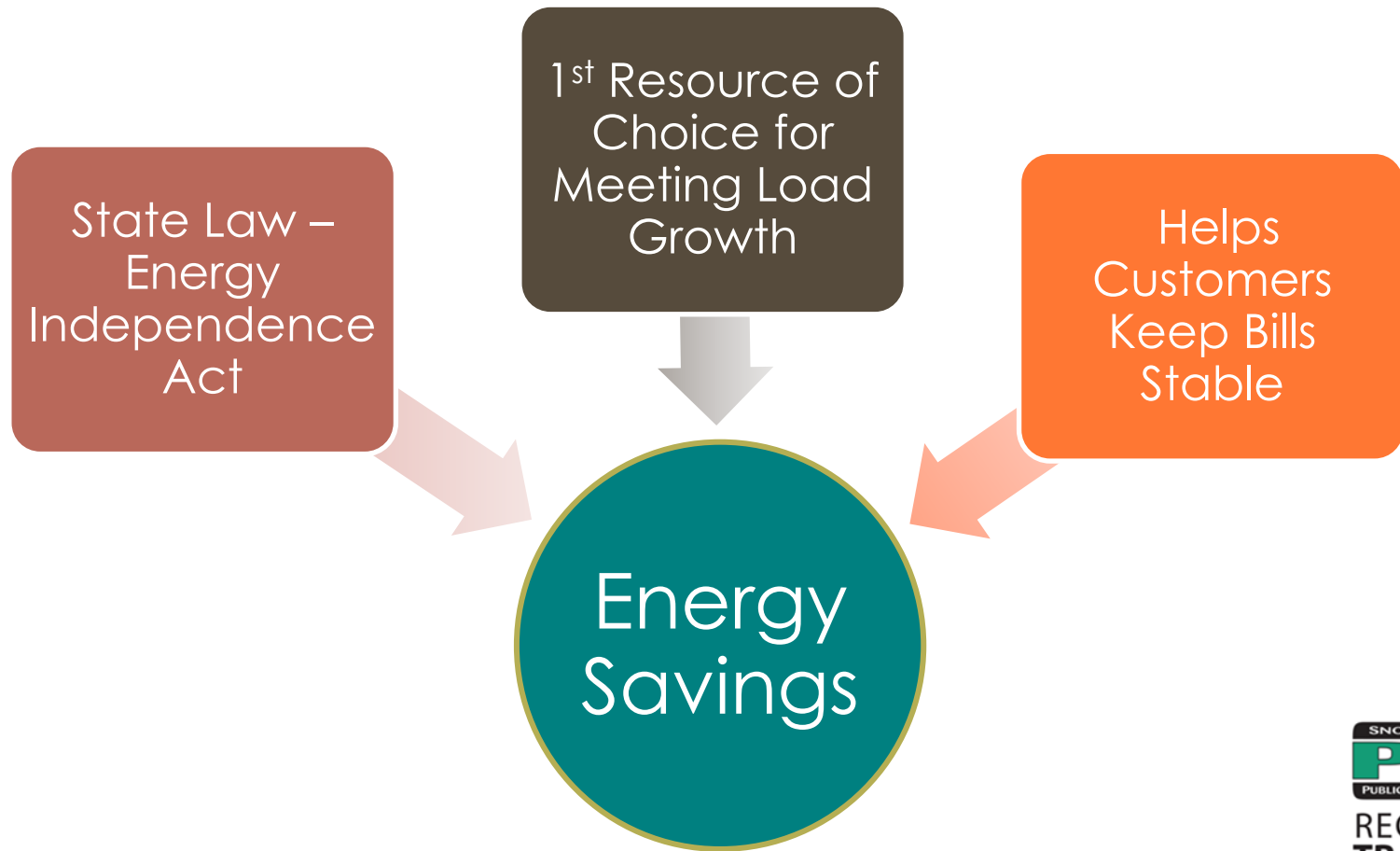
We welcome all questions!
Eligibility...Equipment...Specifications...Sizing
Calculator

CALL BEFORE YOU INSTALL



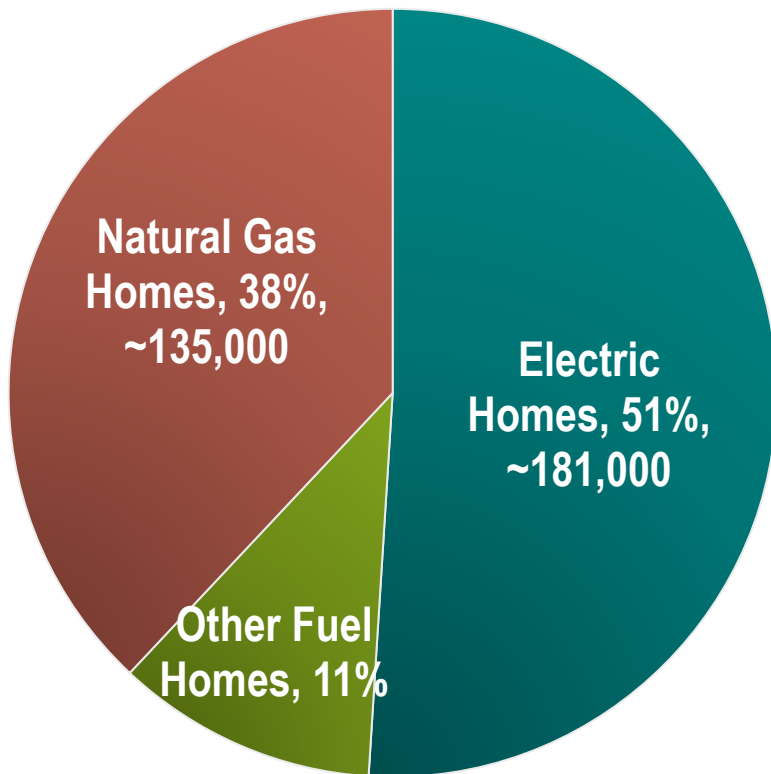
CONSERVATION AT THE PUD

WHY PUD INVESTS IN ENERGY EFFICIENCY

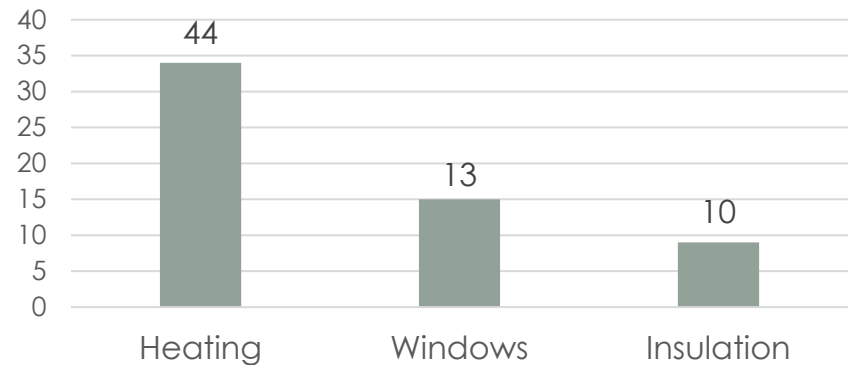


MARKET POTENTIAL FOR ENERGY CONSERVATION

% Heat Source Type in SnoPUD Service Territory

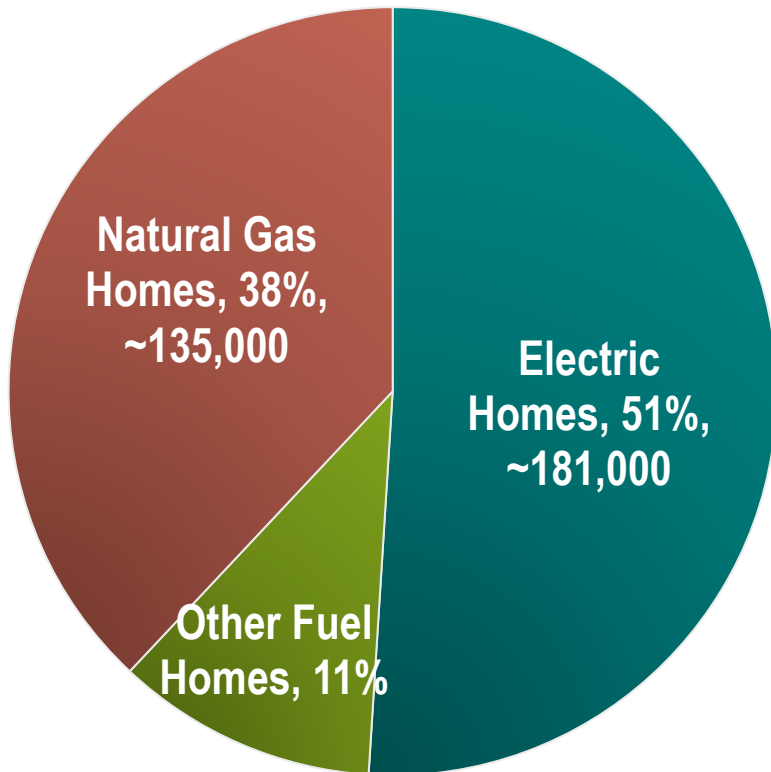


2021 Contractors by Measure

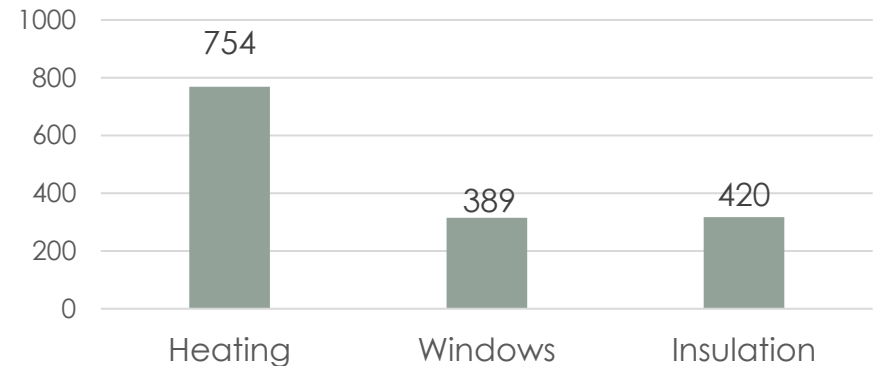


MARKET POTENTIAL FOR ENERGY CONSERVATION

% Heat Source Type in SnoPUD Service Territory



2021 Completed Projects by Measure



PROGRAMS / MEASURES

Single Family (Existing Homes)

- Weatherization and Heating Measures
- SF Rebate Eligibility
- Rebate Amounts
- Rebate Process

Retail Instant Rebates

- Appliances, **electric hybrid water heaters**, smart thermostats
- At participating retailers and online marketplace.snopud.com



WEATHERIZATION & HEATING MEASURES

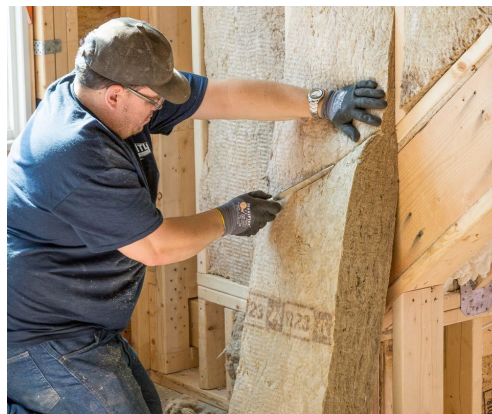
Heat Pumps

- Air Source



Insulation

- Attic
- Wall
- Floor
- Duct



Windows



REBATE PROCESS

- Contractor determines customer eligibility
- No waiting for PUD pre-approval
 - Customer and contractor determine installation schedule
- Contractor ensures installation meets PUD program specifications
 - All jobs subject to verification
- Work is completed before applying for rebate

Unsure? Call before you install!

(425) 229-5598



PROJECT DEVELOPMENT INCENTIVE

- In 2022 we added a Project Development Incentive or PDI for our contractors.
- The PDI is payable to the contractor to offset the administrative costs of participating in our program(s).
- **Eligibility to receive the PDI:**
 - **Application must be submitted in the most current workbook (2022).**
 - **Rebate must be paid to the contractor and taken off the customer invoice.**
 - **Rebate application must be submitted within the 90-day window from completion.**
 - **Call-backs must be completed with-in 30-days.**
 - **PDI may not exceed Rebate.**
 - **Rebate must meet all program requirements and be approved for payment.**
 - **PDI amounts:**
 - **Heating \$175.00/rebate**
 - **Weatherization \$125.00/rebate**



INSTANT REBATE REQUIREMENTS

- **Customer invoice/receipt must show “PUD Instant Rebate”**
- Contractor assumes risk for non-qualifying installations submitted
- Option for Customer credit at signature line
 - Customer credit does not qualify for Project Development Incentive payable to contractor.

Unsure? Call before you install

(425) 229-5598



NEXT STEPS

DECIDE IF PUD PROGRAM IS A FIT

Does the PUD Registered Trade Ally Network fit your company's business?

- Job Volume Requirements (4/yr)
- Single Family Existing Homes
- PUD Program Specifications
- PUD Service Territory
- Customer Qualification & PUD Instant Rebate
- Management of Timelines and Paperwork



IF “YES”, THEN.....

- Review & Sign Trade Ally Agreement & Rider(s)
- Provide Liability & Auto Insurance Certificates
(with endorsements & additional insured)
- Provide Contractor & Master Business License
- Provide W-9
- Attend PUD Installer & Sales training for relevant measures
 - (included in this training)

Provide all documentation within 30 days of this presentation.



WINDOWS INSTALLER & SALES TRAINING

2023

PUD 

AGENDA

- Single Family Program Review
- Process & Paperwork
- Specifications & Installation Guidelines
- Quality Control
- Meeting Program Requirements
- Resources

ELIGIBILITY: SINGLE FAMILY

- **“Single Family” definition** includes
 - Residences of up to 4 attached dwellings, including
 - Manufactured and Modular Homes
 - Additional Dwelling Units
 - Townhouses (share walls but do not vertically overlap, not subject to the # of units cap)
- **Permanently installed electric heat at time of bid**
 - Wood/propane/gas stoves and inserts not applicable
- **An active PUD account**
 - Snohomish County or Camano Island
- Only **living areas of the home**
- Not a repair or remodel program





Gas vent



Vinyl windows



Gas meter



Outdoor unit



Tankless gas water heater

WINDOWS REBATES

Measure	Rebate
Glass - Any Frame - Single to Double/Triple Pane (\leq U.30) Glass - Any Frame - Single to Double/Triple Pane (\leq U.22)	\$100/ window \$130/Window
Glass - Metal Frame - Double to Double Pane (\leq U.30) Glass - Metal Frame - Double to Double Pane (\leq U.22)	\$50/ window \$65/Window

All programs & rebates
subject to change. Check
www.snopud.com for
current offerings.



PROCESS & PAPERWORK:

PROCESS: STEP BY STEP

1. **Contractor** meets with **customer** to determine
 - Eligibility, provide estimate, win the job
2. **Contractor** and **customer** agree to
 - Price, payment terms, installation schedule
3. **Contractor** completes installation to PUD specifications and provides PUD Instant Rebate on customer invoice.
4. **Contractor** and **customer** complete the PUD Rebate Application and **contractor** submits to **PUD** with supporting documentation.
5. **PUD**
 - Reviews application
 - Contacts **customer** if inspection required
 - Pays **contractor** when job passes



REBATE APPLICATION PROCESS

- Complete ALL relevant sections in application/workbook.
- Include ALL required supporting documents (application/workbook, invoice, photos).
- **Submit within 90 days of installation**
- Use the current version:

- [Resources for Residential Contractors - Snohomish County PUD \(snopud.com\)](https://www.snopud.com)

SNOHOMISH COUNTY PUD
Energy Services • ce@snopud.com • www.snopud.com

Application For Window Rebates in Single Family Homes
 • \$50 per Window (Double Pane Metal Frame to Double Pane)
 • \$100 per Window (Single Pane to Double Pane)

Customer Information

Homeowner Name	Installation Address	City	State	Zip Code
Email Address	Phone Number (with area code)	Professional Contact Name (if not homeowner)	Professional Contact Phone Number	
Year Built	Residence Type	Room Type	Existing Primary Electric Box Water Heater	

Pre-Installation Conditions

- Single Family Home - maximum 4 attached dwellings, including:
 - Townhouses*, ADUs, Manufacture Homes
 - Manufacture homes with lots not attached to lots with utility lines
 - Utility lines not attached to lots with utility lines
 - Permanently installed electric service

Part-Installation Conditions

- Installation must meet **PUR Weatherization Specifications**
- NFRC rated window must have a U-Value of 0.30 or lower (unless NFRC label or manufacturer's packing slip with U-Value label with the manufacturer's name)
- Non-NFRC rated (e.g. Skylight and Garden Window) must have airtight U-Value

Rebate and Savings

Window Type	No. of Window	Total Glazing Square Footage	Installed Cost	Rebate per Window	Total Rebate*
Single Pane to Double Pane				\$100	
Double Pane Metal Frame to Double				\$50	
Total:					Total:

Installation Company Information

Company Name (as it appears on W9)	Address	City	State	Zip Code
Contact Name	Email	Phone	Install Date	Total Installed Cost*

Signatures

I, the Homeowner, request one or more rebates for measure(s) installed in the home located at the address above. Attached are legible copies of the itemized invoice(s) and other required documentation. I understand and agree to the terms of the Energy Efficiency Rebate Agreement, the Additional Conditions, and the conditions for participation in Residential Energy Efficiency Programs ("Programs"). I also understand that:

- The Public Utility District No. 1 of Snohomish County ("PUD") will make the final determination of any rebate I may be eligible to receive.
- Program(s) are subject to change without notice.
- Rebate applications must be submitted within 90 days of installation of the energy efficiency measure(s).

Rebate rebate request on the PUD Request Form for energy and rebates for PUD to get the PUD Request Form by, or name, the rebates for to be

SIGNATURE Homeowner Signature: _____ Date: _____

Electronic Signature: By checking the Signature box, inserting my name on the signature line, and submitting the form electronically to the PUD, I hereby agree to the terms of the PUD Request Form.

Email this completed workbook, verification photos, invoice, and a copy of the NFRC sticker or manufacturer packing slip with U-Value for each window to ce@snopud.com



Weatherization

Insulation

- ✚ Insulation rebate application workbook (9/1/22)
- ✚ Insulation Photo Requirements
- ✚ SAMPLE insulation rebate application
- ✚ Insulation certificate > #1098, 4/18
- ✚ Knob & tube report > #1144, rev. 10/16
- ✚ Insulation tables

Windows

- ✚ Windows rebate application workbook (1/1/23)
- ✚ Windows Photo Requirements
- ✚ SAMPLE windows rebate application

Technical Specifications

Weatherization

- ✚ Weatherization specifications > rev. 4/18
- ✚ Venting calculations > insulation, rev. 10/10
- ✚ Floor support matrix > insulation, rev. 10/10

Heat pumps

- ✚ Heat pump specifications > rev. 4/18
- ✚ Geothermal heat pump specifications > rev. 3/09



Application

For Window Rebates in Single Family Homes

- \$50 per Window (Double Pane Metal Frame to Double Pane)
- \$100 per Window (Single Pane to Double Pane)

[PROCESS & REQUIREMENTS](#)

[PHOTO REQUIREMENTS](#)

Customer Information

Homeowner Name		Installation Address		City	State	Zip Code
<input type="text"/>		<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
Email Address		<input type="checkbox"/> Mailing Address (check if same as above)		City	State	Zip Code
<input type="text"/>		<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
Phone Number (with area code)		Preferred Contact Method	Contact Person (if not homeowner)		Contact Person Phone Number	
<input type="text"/>		<input type="text"/>	<input type="text"/>		<input type="text"/>	
# of Dwellings	Year Built	Residence Type	Home Type	Existing Primary Electric Heat Source	Water Heater	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Pre-Installation Conditions

- Single Family Home - maximum 4 attached dwellings, includes:
 - Townhouses*, ADUs, Manufactured Homes
 - *A townhouse shares walls but does not vertically overlap with other units, and it is not subject to the number of attached units cap.
- Permanently installed electric heat

Post-Installation Conditions

- Installation must meet [PUD Weatherization Specifications](#)
- NFRC rated windows must have a U-Value of 0.30 or lower (submit NFRC label or manufacturer's packing slip with U-Value listed with this application)
- Non-NFRC rated (ex. Skylights and Garden Windows) must have best available U-Value

[TOTAL GLAZING CALCULATOR](#)

Rebates and Savings

Window Type	No. of Windows	Total Glazing Square Footage	Installed Cost	Rebate per Window	Total Rebate*
Single Pane to Double Pane				\$100	
Double Pane Metal Frame to Double Pane				\$50	
Total:				Total:	

Notes:

Installation Company Information

I confirm that the above information is correct to the best of my knowledge.

Company Name (as it appears on W9)	Mailing Address	City	State	Zip Code	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Contact Name	Email	Phone	Install Date	Total Installed Cost*	Project Development Incentive
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

* Including equipment, labor, permit and tax

Signature

I, the homeowner, request one or more rebates for measure(s) installed in the home located at the address above. Attached are legible copies of the itemized invoice(s) and other required documentation. I understand and agree to the terms of the Energy Efficiency Rebate Agreement, the Additional Conditions, and the conditions for participation in Residential Energy Efficiency Programs ("Programs"). I also understand that:

- (i) The Public Utility District No. 1 of Snohomish County ("PUD") will make the final determination of any rebate I may be eligible to receive.
- (ii) Program(s) are subject to change without notice.
- (iii) Rebate applications must be submitted within 90 days of installation of the energy-efficiency measure(s).

I agree to receive my rebate via (select one):

Instant Rebate (provided on the PUD Registered Trade Ally's invoice) and authorize the PUD to pay the PUD Registered Trade Ally, in my name, the rebate(s) due to me



Homeowner Signature:

Date:

Electronic Signature: By checking the Signature box, inserting my name on the signature line, and submitting the form electronically to the PUD, I certify that I understand and agree to the above terms.

Email this completed workbook, verification photos, invoice, and a copy of the NFRC stickers or manufacturer packing slip with U-Value for each window to ce@snopud.com

APPLICATION CHECKLIST

- Include ALL home information
 - Square footage, Year, Home Type, Pre-Existing Electric Heat Source etc.
- Check “Instant Rebate” OR “Customer Credit”
 - Discuss with customer, align with invoice
- Have customer sign OR insert name and check the box
- Complete ALL relevant rebate fields
- Use the checklist (“How to Apply”) and application notes to ensure all necessary documents are included

Incomplete applications will not be processed



SUPPORTING DOCUMENTS

All Applications

- Verification Photos
- Itemized Invoice with PUD Instant Rebate

Windows Applications

- NFRC Stickers or Manufacturer Packing Slip

PACKING SLIP EXAMPLE

(PACKING SLIP)



11101 South Tacoma Way Ste. B
 Lakewood, WA 98499
 USA
 PH: 253-284-5406
 FX: 253-284-5405
 ORDER: 366377

ORDER DATE:
 EST. DELIVERY DATE:
 ORDER CONTACT: DEREK

ORDER ACKNOWLEDGEMENT

INVOICE INFORMATION

Clear Glass, Inc.
 4900-8TH ST NE
 MARYSVILLE, WA 98270-3027 MARYSVILLE, WA 98270-3027 PH: 4253456789 FX: 3606599999
 PH: 4253456789 FX: 3606599999

SHIPPING INFORMATION

Clear Glass, Inc.
 4900-8TH ST NE

SHIP VIA:

ORDER	ORDER DATE	PO NUMBER	CUSTOMER REF			TERMS
366377	4/2/2018	Shine				Net 30
ITEM	DESCRIPTION	QTY	SIZE	PRICE	TOTAL	IMAGE (OSLI)
1	8700NXOXU	1	119 5/8 W X 66 H			
OTHER						
NET OPENING						
BAR HEIGHT=[18]						
CUSTOM VENT OFFSET=[29.91]						
WHITE						
NAIL FIN						
1 CAM LOCK						
1/8" 366 LE						
3/16" CLEAR						
DURALITE SPACER						
STANDARD SCREEN						
SQ. FT.=[54.83]						
U-VALUE=[.28]						
SOUND PACKAGE						
LIV						

VERIFICATION PHOTOS

Windows

- Original windows – wall shots of multiple windows
- New windows installed – wall shots of multiple windows
 - Header flashing
 - Threshold support
- Windows with safety glass (tempered) marking, as applicable (preferred)

Please ensure all photos are legible

INVOICE WITH INSTANT REBATE

- Information must match Application
- Include *Proof of Purchase Requirement* details (listed on Application)

PROOF OF PURCHASE REQUIREMENT: ITEMIZED INVOICE

Invoices must be legible and include the information listed below (photocopies are acceptable):

- ✦ PUD Registered Trade Ally name, address, and phone number.
- ✦ Itemized list of each product, including quantity, product description, manufacturer, model number, or other identifying information. This must match the information listed on the rebate application.
- ✦ Total installed cost and amount of PUD Instant Rebate deducted.



INVOICE

BILL TO

Ray Shine
123 RAINBOW Lane
SNOHOMISH, WA 98290

INVOICE # 1390

DATE (

DUE DATE (

TERMS Due on receipt

ACTIVITY	AMOUNT
CHARGE INSTALLATION OF 12 WHITE LINDSAY WINDOWS PRODUCT WITH HIGH PERFORMANCE LowE GLASS FOR ENERGY EFFICIENCY. PRICE INCLUDES NEW INTERIOR WOOD STOPS REPLACED ON SOME WINDOWS AND NEW EXTERIOR WOOD STOPS REPLACED ON SOME WINDOWS. CAULK AND SEAL EXTERIOR AND INTERIOR. SCREENS INCLUDED	5,710.00T
LIVING ROOM: 120 X 66 XOXU (2 SLIDERS BELOW PICTURE WINDOW) HORIZONTAL BAR SET AT 18"	
DINING: 60 X 48 HORIZONTAL SLIDING WINDOWS (SPLIT IN HALF) X2 UNITS	
LAUNDRY: 48 X 30 HORIZONTAL SLIDING WINDOW (SPLIT IN HALF)	
KITCHEN NOOK: 48 X 48 HORIZONTAL SLIDING WINDOW (SPLIT IN HALF)	
KITCHEN: 60 X 36 HORIZONTAL SLIDING WINDOW (SPLIT IN HALF)	
BED OFF KITCHEN: 48 X 30 HORIZONTAL SLIDING WINDOW (SPLIT IN HALF)	
BATH: 30 X 36 SINGLE HUNG STYLE (BOTTOM SLIDES UP AND DOWN) ALL OBSCURED GLASS	
3ED: 48 X 30 HORIZONTAL SLIDING WINDOW (SPLIT IN HALF)	
3ED: 48 X 30 PICTURE WINDOW (NON OPENING)	
MASTER BED: 48 X 30 PICTURE WINDOW (NON OPENING)	
MASTER BED: 60 X 36 HORIZONTAL SLIDING WINDOW (SPLIT IN HALF)	
PUD REBATE	\$ 1100.00
PUD INSTANT REBATE FOR ELECTRIC HEATED HOME (WALL UNITS, ELECTRIC FURNACE OR HEAT PUMP)	

SUBTOTAL
TAX (9.1%)
TOTAL
BALANCE DUE

\$ 4610.00
419.51
\$ 5029.51

WHO GETS THE REBATE?

✓ INSTANT REBATE (99%)

- Payment sent to **contractor** after job passes inspection
- Invoice shows “PUD Instant Rebate” deducted from customer’s total cost
- Contractor receives “PUD Instant Rebate” plus PDI of \$100.00.

✓ CUSTOMER CREDIT

- Credit to customers PUD account after job passes inspection
- Invoice shows that customer paid for job in full – no PUD Rebate shown



SPECIFICATIONS & INSTALLATION GUIDELINES

MEASURING WINDOWS



SNOHOMISH COUNTY
PUD
PUBLIC UTILITY DISTRICT NO. 1
REGISTERED
TRADE ALLY

ANGLE WINDOWS



SNOHOMISH COUNTY
PUD
PUBLIC UTILITY DISTRICT NO. 1
REGISTERED
TRADE ALLY

EXPOSED NAIL FLANGE



SNOHOMISH COUNTY
PUD
PUBLIC UTILITY DISTRICT NO. 1
REGISTERED
TRADE ALLY

WINDOWS

- Non-Tested Windows {warm edge spacer, argon, LowE, ½" Air Space} **(102.145.2)**
- Framed Units NFRC Rated {U-Value .30 or lower} **(102.155.3)**
- Interlock **(102.205)**
- Locks/Latches **(102.215, .230)**
- Free Fall **(102.220, .215)**



WINDOWS

- Screens (102.235)
- Anti-Lift Blocks
- Weep Holes



SKYLIGHTS

- LowE, Argon, Warm Edge Spacer, NFRC Rated {best possible double pane} **(102.400.2)**
- Ventilating Skylights Only if Existing

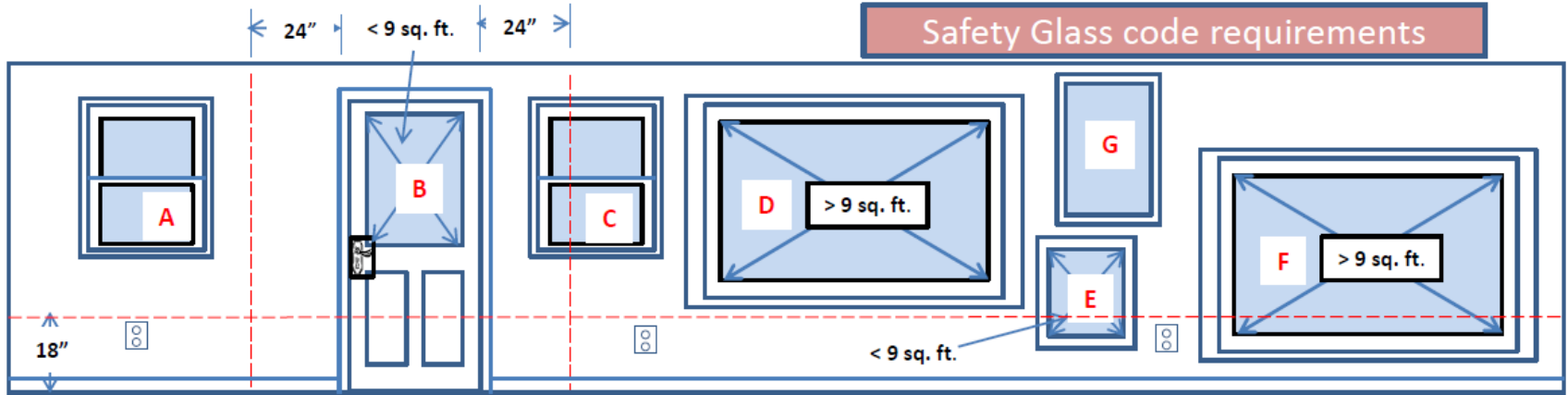


GENERAL INSTALLATION REQUIREMENTS

- Stucco Bar Styles {where allowed} (102.522)
- Damage Responsibility (102.523)
 - Contractor responsible for damages that occur during installation



Safety Glass code requirements

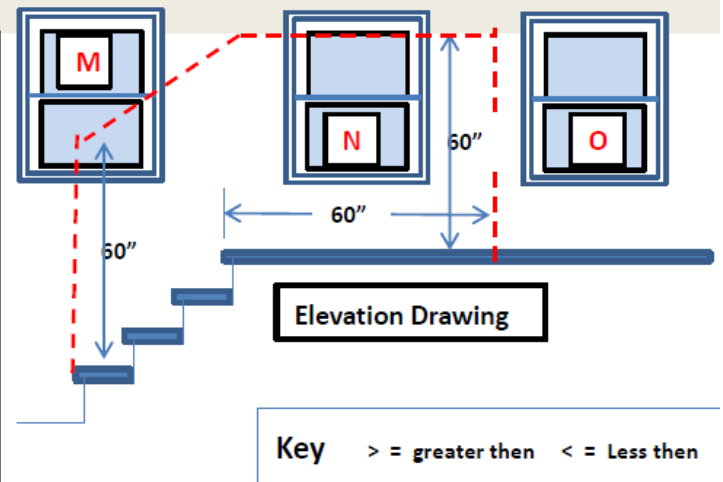
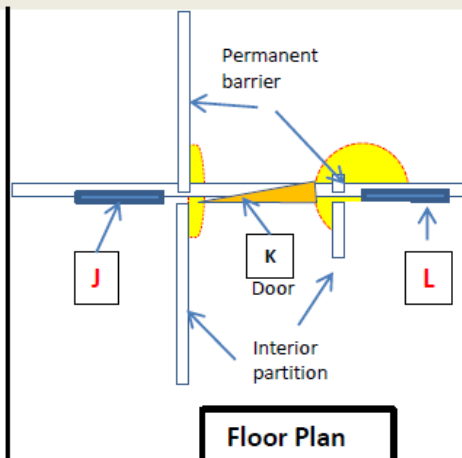
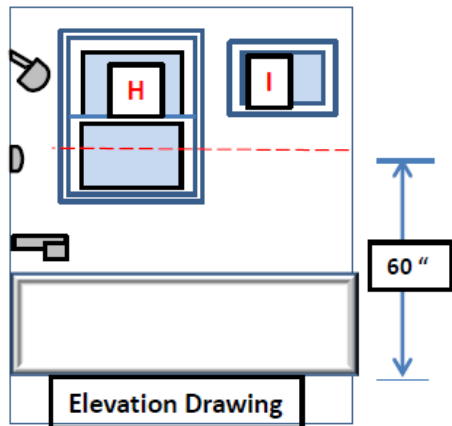


Observation

Difference between both

Reason for safety glass

Window A + C same size and height off floor .	Window A not required to be safety glass , Window C required	Within 24" from exterior door
Window D + F same size , different heights	Window D not required to be safety glass ,Window F required.	Combination of > then 9 sq. ft. and less then 18" off floor
Window E + F are same height off floor (less then 18")	Window E is not required to be safely glass , Window F required	> then 9 sq. ft.
Glass B + G are same size , < 9 sq. ft. & more then 18" off floor	One is a window and 1 is for a door . Glass B required	All entrance doors required to have safety glass
Window A + H are same size and same height off floor	Window A not required to be safety glass , Window H required	Combination of in a tub and less then 60" off floor
Windows H + I are both in tub area.	Window I not required to be safety glass , Window H required	less then 60" above floor in a tub
Window J + L are same size & less then 24" from door.	Window j not required to be safety glass . Window L required.	Combination of within 24" radius with no permanent barrier
Window N + O are same size & height off floor	Window O not required to be safety glass , Window N required	Within 60" floor landing (horizontal)
Window M + N + O same size .Window M higher off floor	Window O not required to be safety glass ,Window M + N required.	Within 60" floor landing of steps
If Window M or H was a single hung style window opposed to double hung style widow	Top sash <u>stationary</u> opposed to <u>operable</u>	<u>Only Lower sash required</u> to be safety glass.

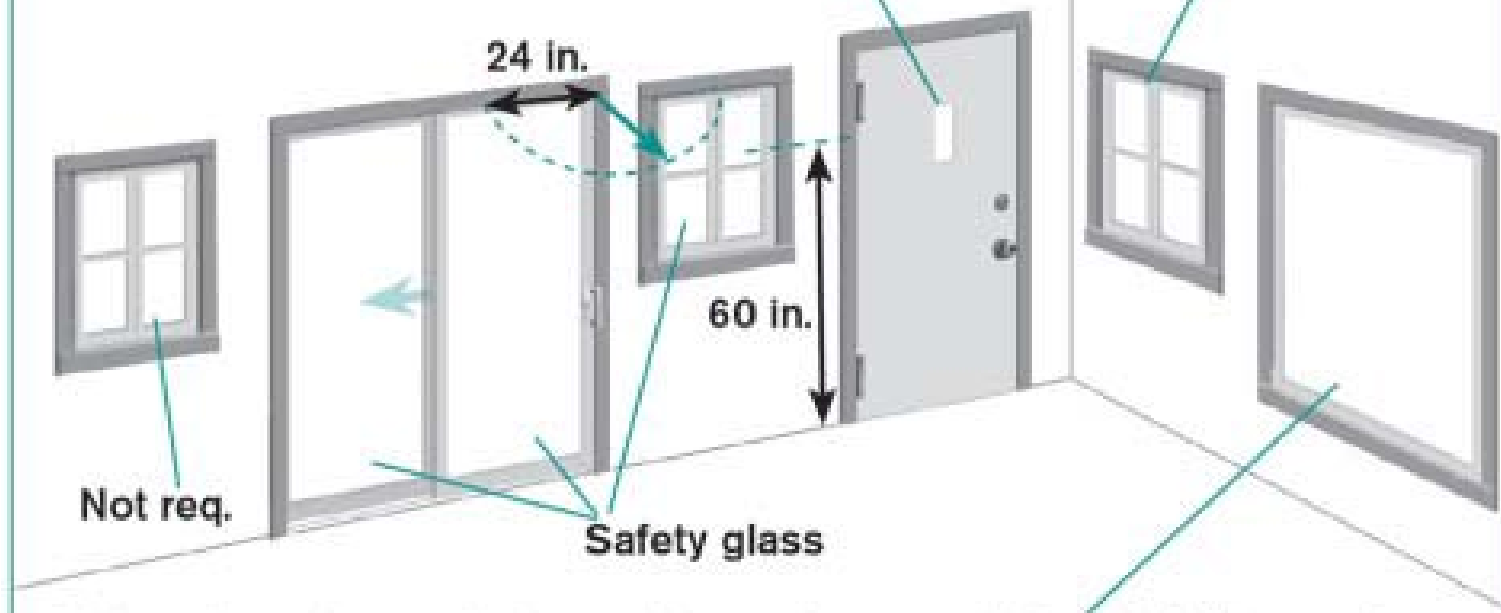


Safety Glass

Basic zone for sidelites:
within 24 in. radius of door
edge in closed position &
<60 in. above walking surface

Exempt if a
3 in. sphere
cannot pass

Sidelite
exempt when
perpendicular to door
& on latch side



Safety glass when walk-through hazard exists: all four of (1) >9 sq. ft., (2) lower edge <18 in. above walking surface, (3) upper edge >36 in. above walking surface & (4) within 36 in. horizontal of walking surface

SAFETY GLASS

Rules (102.530)

- Within 2 foot arc of ANY door in the closed position
- May need both vent and fixed depending on direction of opening



SAFETY GLASS

(102.530)



SAFETY GLASS



FLASHING & SUPPORT SCREWS

Overhangs & Flashing (102.615)

- Must be continuous
- No less than ¼" overhang



Types of Screws (Pan Head) (102.620)

- Vertical edge for support



HEAD FLASHING NEEDED



LINER CUTBACKS AND OVERHANGS

- Covering of Support Screws (102.621)
- Placement of Screws (102.635)
- Window Overhang 1" max (101.645)



CAULKING REQUIREMENTS

Lap Siding Trim



Wood Stopped Install
(106.622)



CAULKING



SNOHOMISH COUNTY
PUD
PUBLIC UTILITY DISTRICT NO. 1
REGISTERED
TRADE ALLY

IMPROPER CAULKING AND CUTTING



Caulking (102.648, .650)



IMPROPER CAULKING AND CUTTING



Caulking (102.648, .650)



GARDEN WINDOW



STUCCO INSTALLATIONS

- Stucco Requirements (102.652)
- Nails & Coverage (102.657)



INSTALLATION WITH NAIL FLANGE INTACT

- Caulk Behind Flange (102.665)
- Build Out Material (102.670)
 - Material shall be one piece & shall fill entire cavity
- Flange Left Exposed {mobile} (102.672)
- Caulking (102.675, .680)
 - Gaps of ¼” or greater will be filled with non-expanding foam or backer rod



WINDOW WITH FLANGE & TRIM



CLEAN ALL GLASS



Stickers
(102.697)



SLIDING GLASS DOORS

- .30 or better required
(103.205.4)
- Center mullion must interlock in closed position
- Solid Threshold Support
(103.307)
 - Any Wood Treated or Cedar
(103.310)
- Screen must have latch and catch installed



SLIDING GLASS DOORS



- 4 screws per vertical edge
- Handle screws do not count

QUALITY CONTROL

INSPECTION REQUIREMENTS

- All jobs subject to verification* before rebate payment is made
- Inspection will result in
 - Payment is authorized
 - Major or minor deficiency
 - **Must be corrected within 30 days**
- High pass rate may lead to lower rate of inspection

****NOTE: Photographs are required as proxy for on-site verification during COVID-19 restrictions***



COMMON ERRORS - WINDOWS

Major

- Safety glass not installed
- Free fall hazard
- Not supported properly
- Does not meet U-value requirement
- Locks don't work properly
- Not flashed

Minor

- Wrong number or type of support screws
- Vent does not slide easily
- Caulking gaps, missing, messy
- Does not interlock
- Damage to window components



MEETING PROGRAM REQUIREMENTS

WARRANTY REQUIREMENTS

- 2-year minimum all inclusive labor and materials required **(101.040)**
- 10-year minimum on all glass **(101.040)**
- Leave warranty information with homeowner



RESOURCES

PUD ENERGY ADVISOR LINE

For timely help with

- **Eligibility** – you have a scenario that isn't covered by our standard eligibility requirements or customer qualification description
- **Specifications** – you have an installation or equipment question that isn't covered in the specification guide
- **Sizing Calculator** – you have a special situation or are having trouble

Unsure? Call before you install!

(425) 229-5598



IMPORTANT: TRADE ALLY RESOURCES

www.snopud.com/TAResources

- ALL Application Forms
- Supporting Docs - Sizing Calculator, Start-up Checklist, Insulation Certificate, Extension Request...
- Technical Specifications: Weatherization, Heating, Venting
- Sample Rebate Applications
- Newsletters, Bulletins, Logo Usage guidelines
- Contractor Agreement & Monitoring procedures



FINANCING OPTIONS



Snohomish County

Snohomish County Energy Smart Loans
Puget Sound Cooperative Credit Union
www.pscu.org/efficiency.php
askus@pscuccu.org
1-800-273-1550



Banner Bank
www.bannerbank.com
1-800-272-9933



Puget Sound Cooperative Credit Union
Energy Smart Loans
www.pscu.org/efficiency.php



**UMPQUA
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WASHINGTON STATE
**HOUSING FINANCE
COMMISSION**

Opening doors to a better life



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Questions?

THANK YOU

**... for helping our
customers save
energy!**