

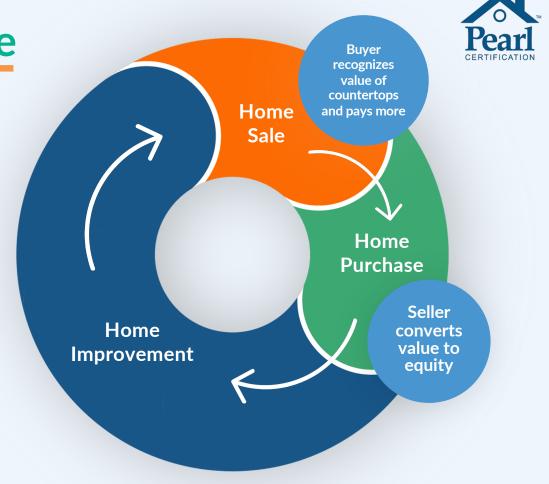
# **Pearl Certification**

Enhancing Consumer Engagement through the ENERGY STAR Home Upgrade Program





- √Home BUYER "sees" high-performing features in Pearl's Certification Report and marketing materials.
- √Home **SELLER** captures the value of the investment in the sale price.
- ✓ **DEMAND** for High-Performing Homes drives more improvements, completing the cycle.



# **Homeowner Engagement**





## **Homeowner Engagement**



## Messaging High-Performing Homes:

**Awareness:** Benefits of a high-performing home

<u>Consideration</u> - products like ENERGY STAR, services like home audits

<u>Purchase</u> - importance of quality contractors, access to rebates

<u>Retention</u> - importance of maintenance and documentation, next steps on their journey including purchasing more ENERGY STAR and WaterSense products

<u>Advocacy</u> - during time of sale and refinance, celebrate ENERGY STAR products and labels

## Awareness, Consideration, Purchase: ENERGY STAR Products and Labels





Jul 13 2023

Home Certification 101: What Is the WaterSense Label?

Read more >



lun 20 202

Home Certification 101: What Is the HERS Index?



lun 19 2023

Home Certification 101: Understanding ENERGY STAR® Certification



Jun 15 2023

Home Certification 101: What's a Home Energy Score?



Mar 21 2023

The Green Door Guide to Home Electrification Rebates and Tax Credits



Sep 19 2022

The Homeowner's Guide to the Inflation Reduction Act

Read more >



Jul 11 2023

How to Create an All-Electric Home Read more →



Aug 31 2023

Green Door Presents: The Homeowners' Definitive Guide to Heat Pumps Read more →

## Capturing the Value of ENERGY STAR Products



### Retention

**Advocacy: Real Estate** 

Advocacy: Appraisers

- 1. 3600 ENERGY STAR Dishwasher Systems recorded.
- 2. 2826 ENERGY STAR Washing Machine Systems recorded.
- 3. 1082 ENERGY STAR Clothes Dryer Systems recorded.
- 4. 6562 ENERGY STAR Cooling Systems recorded.
- 5. 5856 ENERGY STAR Heating Systems recorded.
- 6. 3986 ENERGY STAR Heat Pump Systems recorded.
- 7. 59 ENERGY STAR Certified Homes recorded.
- 8. 539 Pearl-Sponsored HPwES Homes recorded.
- 9. 4976 NON-Pearl-Sponsored HPwES Homes recorded.

## Capturing the Value of ENERGY STAR Products





#### 10011 Kaylorite Street, Dunkirk, MD 20754 Verified MLS Green Fields Listing Sheet (MRIS Green Fields Report)

This property's home performance features map to the MLS fields below. Please see accompanying Pearl Home Certification Report for documentation of the features' technical specifications.

#### **Appliances**

**ENERGY STAR Clothes washer** 

**ENERGY STAR Dishwasher** 

**ENERGY STAR Refrigerator** 

#### Windows / Doors

**Double Pane Windows** 

**ENERGY STAR Qualified Windows** 

Low-E Windows

#### **Construction Materials**

**Batt Insulation** 

**Blown Insulation** 

Rigid Insulation

#### **Cooling System**

Heat Pump

Programmable thermostat

## **Advocacy: Real Estate**

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10011 Kaylorite Street, Dunkirk, MD 20754

Certified on August 28, 2022 Pearl Platinum Certificate | Pearl Score: 1101



## Clothes Washer: Very efficient

Every appliance has two price tags: the one you pay to the store and the one you pay to the utility company. Pay less every month with ENERGY STAR.

ENERGY STAR certified clothes washers use about 25 percent less energy and 40 percent less water than regular washers.

## Capturing the Value of ENERGY STAR Products



T.	Client File #:		Appraisal File #:			
. <b></b>	Residential Green and Energy Efficient Addendum					
	Clie					
AI Reports®	Sub					
Form 820.05*	City: Granite Falls		State: North Carolina	Zip: 28630		
Additional resources to aid in the valuation of green properties and the completion of this form can be found at http://www.appraisalinstitute.org/education/green_energy_addendum.aspx						
The appraisar hereby certifies that the information provided within this addendum:						

- The appraiser hereby certifies that the information provided within this addendum:

   Has been considered in the appraiser's development of the appraisal of the subject property only for the client and intended user(s)

   Identified in the appraisal report and only for the intended use stated in the report.

   Is not provided by the appraiser for any other purpose and should not be relied upon by parties other than those identified by the appraiser as the client or intended user(s) in the report.

   Is the result of the appraiser's routine inspection of and inquiries about the subject property's green and energy efficient features.

   Extraordinary assumption: Data provided herein is assumed to be accurate and if found to be in error could after the appraiser's opinions or conclusions:
- is not made as a representation or as a warranty as to the efficiency, quality, function, operability, reliability or cost savings of the reported items or of the subject property in general, and this addendum should not be relied upon for such assessments.

Green Building: The practice of creating structures and using processes that are environmentally responsible and resource-efficient throughout a building's lifecyde from string to design, construction, operation, maintenance, renovation, and deconstruction. This practice expands and complements the classic building design concerns of economy, utility, durability, and comfort (US EPA). High Performance building and green building are often used interchangeably.

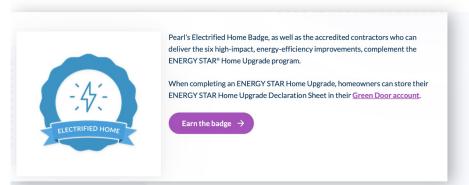
Six Elements of Green Building: A green building has attributes that fall into the six elements of green building known as (1) site, (2) water, (3) energy, (4) materials, (5) indoor environmental quality, and (6) maintenance and operation. The energy and water elements are the most measurable elements of green or high performance housing. Appraises need savings amounts to develop an income approach to support

Th. C. II							
The following verified		red within the appraisal analy Protection Agency (EPA):		Indoor airPLUS   WaterSense   ENERGY STAR			
Green Certification Certifications attest that the home meets certain minimum thresholds.	Energy Departm		Zero Energy Ready Home (ZERH)				
	Home Innovation Research Labs NGBS Home Remodel: Home Innovation Research Labs NGBS New Home:		Bronze Silver Gold Emerald				
	Living Building Challenge (LBC):		☐ Living Building Certified ☐ Petal Certification				
	Passivhaus Standard:		☐ PHI Low Energy ☐ EnerPhit ☐ Passive House				
	Passivhaus Institute US:		□ PHIUS+ 2015				
	USGBC LEED:		□ Certified □ Silver □ Gold □ Platinum				
	Other: Pearl Ce	rtification					
	Date Verified: 09/18/2023	Certificate of Efficiency Impr Organization URL: Other: www.pearlcertifica		ABOVE VALID ONLY IF CHECKED:  ○ Verification reviewed on site  ☑ Verification attached to this report			
Energy Label Labels disdose the state of the home's energy assets.	RESNET'S HERS Rating (0 to 150): 44  O Sampling Rating O Projected Rating Confirmed Rating		Estimated energy savings for this home \$ / wer CkWh rare dated heregy Savings includues electricity, heating & cooling Score below 100 indicates energy costs are expected to be lower than average code built home. HERS index Report occupancy estimates energy cost based on number of bedrooms plus one. Only a "confirmed rating" is diagnostically tested.				
	DOE's Home Energy Score Score (1 to 10): Official Score Unofficial Score		Estmated energy savings for this home: \$ /year CkWh rate dated Energy Savings includes electricity, heating & cooling. Score above five inclicates energy costs are expected to be lower than average local home. Home Energy Score estimates energy cost based on state average energy rates and the home's energy features.				
	Other Energy Score: Pearl Score Range (0 to 1200): <b>1077</b>		Estimated energy savings for this home: \$ /year CkWh rate dated Describe energy label system: Pearl's score is approved for use in the Department of Energy's Home Performance with ENERGY STAR program.				
	Date Verified: 09/18/2023	Score or Rating Version: Organization URL:  www.resnet.us www.homeenergyscore.g	ov m	ABOVE VALID ONLY IF CHECKED: Overification reviewed on site Verification attached to this report			
Verified Energy	Explain energy-related improvements: Detailed in attached "Pearl Home Certification Report" Cost of improvements: \$						

	EFFICIENCY FEA	TURES (Water, Energy, and Environmental. See types defined in glossary).							
	The following items a	are considered within the appraisal analysis of the subject property:							
cor	Insulation	<ul> <li>✓ Fiberglass Blown-In</li> <li>✓ Foam Insulation</li> <li>✓ Cellulose</li> <li>✓ Fiberglass Batt Insulation</li> <li>✓ R-Value Wall R-38</li> <li>✓ Celling R-60</li> <li>✓ Other R-24 Conditioned basement</li> </ul>							
rec	Building Envelope	Envelope Tightness: 1.8 Unit: CFM25 CFM50 ACH50 ACH natural Instructions: Insert the rating as a number that could be 0.5 to 7ACH50 or higher. The lower the number, the more air tight the envelope. Building Codes for area show maximum Envelope Tightness allowed based on the climate zone. Not all areas have adopted a building code. http://bcap-energy.org/							
	Windows	<b>©</b> ENERGY STAR®	<b>&amp;</b> Low E	☐ High Impact	<b>□</b> Storm	☑ Double Pane ☐ Triple Pane	<b>□</b> Tinted	☐ Solar Shades	
cor	Day Lighting	# of Skylights: # of Tubes			Other (Describe): % of lighting LEDs: <b>100</b>				
ed.	ENERGY STAR® Appliances	ENERGY STAR®::  Dishwasher  Refrigerator  Washer/Dryer  Other Both Washer and Dryer are ENERGY STAR Energy Source:  Propane  Electric  Natural Gas  Other (Describe):  Note: ENERGY STAR® appliances do not result in an ENERGY STAR® Home.					ENERGY STAR		
rec	Water Heater	<b>☑</b> ENERGY STAR®		Size: >55 gallons Tankless	□ Solar (next page)				
	HVAC & Related Equipment Describe in	☐ High Efficiency HVAC SEER Efficiency Rating % AFUE* %  Heat Pump Efficiency Ration COP: HSPE: 9.5			Programmable Thermostat?		♥ Yes □ No ♥ Yes □ No □ Yes □ No □ Yes □ No		

# **ENERGY STAR Home Upgrade**





Pearl is proud to promote and educate homeowners about the ENERGY STAR Home Upgrade program. The ENERGY STAR Home Upgrade is a carefully crafted set of six high-impact, energy-efficiency improvements for a home. Designed to work together to deliver significant energy and cost savings, these upgrades can also help transition from fossil fuels for a cleaner, healthier, and more comfortable home.

https://pearlcertification.com/energy-star-home-upgrade



# Education: Blog Series to Launch in October, 2023





## **Quality Installation Series:**

Systems, appliances, and fixtures and their benefits.

Banner of "electrification" and validates benefits with ESHU.

Driven by keyword search volume (indicator of homeowner curiosity)

Distributed on blog, monthly homeowner newsletter (20k+ recipients), and organic/paid social campaigns

## Education: Blog Series to Launch in October, 2023





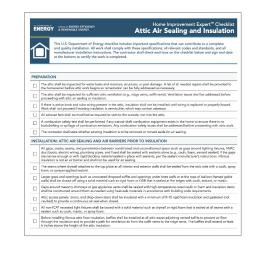
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- ☐ Free tools DOE Home Improvement Expert Checklists
- ☐ Customized Home Investment Plans (HIPs) including ESHU recommendations
- Rebates Finder helps homeowners purchase upgrades

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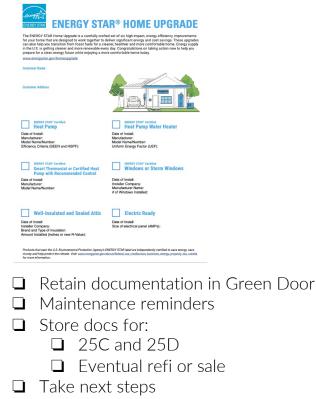
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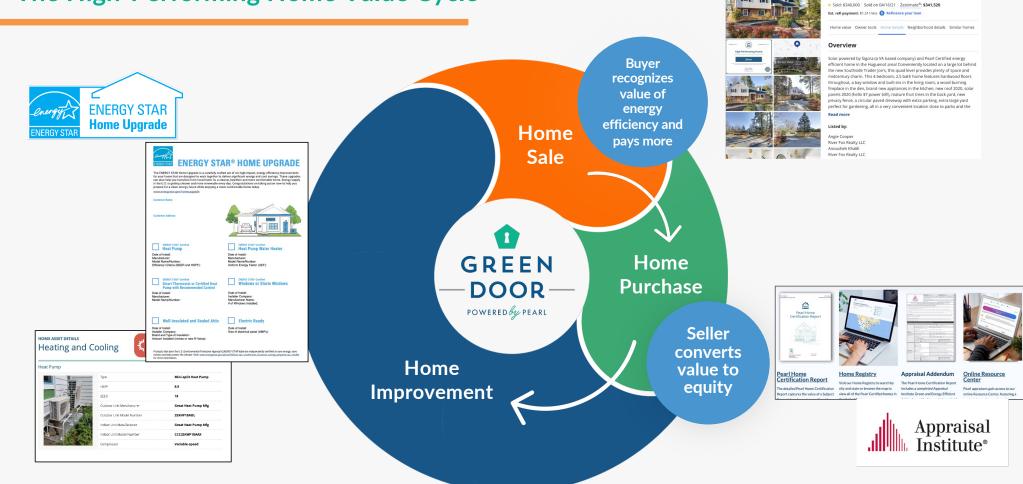
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- Rebates Finder helps homeowners purchase upgrades



## The High-Performing Home Value Cycle



# **B2B2C Campaign Efforts in 2024**



**Agents** 

OEMs, Contractors, Programs

**Appraisers** 

As trusted source of information for their clients, help them message the ESHU program

Incorporate ESHU messaging in their consumer outreach

Ensure appraisers consider the energy savings for Subject Properties

How to convert X% savings into contributory value

	1	Client File #		Appraisal File #:			
	dlle	Reside	Residential Green and Energy Efficient Addendur				
		Clerc.					
AT	Reports*	Subsect					
	m 620.05*	City: Dennis		State Massachusetts. Zip. 0268 1210			
Addition	il resources to a	rid in the valuation of gre	en properties and th	ne completion of this form can be found at			
The appropriate have		the information provide					
Nis been consider identified in the a list not provided by as the claim or into the bit and any essential of the bit and any essentiation.     In not made as a relationship.	red in the appraisi spraisal report and the appraisant for ended usants in a appraisant, route imption. Data pro- spresentation or	en's development of the ap of only for the insended up any other purpose and shi the report ne inspection of and inquir nvided heren is assumed to as a warranty as to the effic- as a warranty as to the effic-	praisal of the subject ; is stated in the report, sould not be relied upo les about the subject; is be accurate and if to lency quality, function	resporty only for the client and intended userpill on by parties other than those identified by the appuil property's green and energy efficient features, and to be in ener could also the appuiser's opinion commission, reliability and savenings of the reported commission, reliability and saveniness.			
Green Building: The a building's lifecycle to complements the dia	practice of creati- ion siting to deal soic building deal	ng structures and using pro gn, construction, operation on concerns of economic u	cesses that are environ	mentally responsible and resource efficient through elon, and deconstruction. This practice expands and onto t.U.S. EPAL Hain Performance building and pres			
building are oben us	ed interchangest	ly.					
energy (4) materials i measurable element energy efficient contri	ts indoor enviror Lof green or high buttory value.		ntenance and operati naises need savings a	tements of green building brown as 0.5 site, (2) water, on. The energy and water dements are the most mounts to develop an income approach to support			
The following verified	berns are consid	end within the appraisal a	nalysis of the subject a	coenc			
	Incorporati	Protestion Agency ETES	on Agmor EPAL O Indoor air RUS O NaterSense O ENSROY STAR				
	Francis Departs	Net CCD		O Zero Energy Ready Home (2001)			
form		on Research Labs NGBS E on Research Labs NGBS Ne	O troner O Sil	er Otold Otmovid			
Certification	Living Building Challenge LRCS		O Living Building Certified O Petsi Certification				
Certifications attest that the home meets	Passinhaus Sta	nded	O Frit Low Snergy O Snerffrit O Passive House				
(etair minimum frosholds	Paradiana Indiana US		O PHILIS - 2015				
	UNGRIC LIEED		O Centred O Sher O Cold O Pastrum				
	Other Pearl Certification						
	Date Verified: 05/12/2023	Certificate of Efficiency in Cepanization URL: Cither, www.pearloom		ABOVE VALID ONLY IF CHECKED:  O Verification reviewed on site  S Verification attached to this report.			
	659NFT's HERS Running (Stop 19 O Sampling for O Projected Fu & Confirmed F	eng	Overgy Sevings in Score below 100 average code-buil cost based on ru	(sumused energy savings for this forms 5 Juan Califin rate dated. Drengy Savings includes electrating, heating & cooling. Some below 300 indicates energy costs are expected to be lower than average code-built home. HERS index Apport company estimates en cost bused on number of bedievons plus one. Only a "confirmed ratin is objected by tested."			
Energy Label Labers disdose the state of the home's	DOI's Home Energy Score Score (1 to 10): Oblicial Score O unofficial Score		Estimated energy surviges for this home it year CRON rate dated Chengy Sevings includes electricity. Heating 5 spotlings Scote above their indicated energy statis are expected to be lower than everage focal home. From				
energy assets.	Other Energy Score: Pearl Score Burge (2 to 1200): 1102		Estimated energy swings for this home 5 year (ARH) rate dated Describe energy label system; Pearl's score is approved for use in the Department of Energy's Home Performance with ENERGY STAR progra-				
	Date Verified:	Scare or Rating Version: Organisation URL:		ABOVE VALID ONLY IF CHECKED			

