# Leveraging ENERGY STAR<sup>®</sup> Online:

# Tools & Resources



### October 28, 2020





# **Partner Opportunity**

- Leverage the value of the ENERGY STAR brand throughout all channels where your programs are promoted
  - Specifically **Web**, which serves as the primary channel for customer research on ENERGY — **STAR Products**
- Take advantage of our free suite of resources (web tools, data sets, educational content, marketing materials).











# The ENERGY STAR Effect

- By leveraging the ENERGY STAR in communications, utility partners improve:
  - Promotion Results
    - A study by Focus on Energy demonstrated a 60% increase in digital advertising click through rates when the ENERGY STAR logo was displayed on the ad.
  - Program Results
    - 2017 study demonstrates that when a utility partners with ENERGY STAR, it results in increases in Google searches for related items, such as energy efficiency and rebates.
  - Customer Satisfaction
    - 2017 study demonstrates consistent improvement in JD Power scores over time, by affecting 3 of 6 key measures:
      - Corporate Citizenship, communications, customer service.



















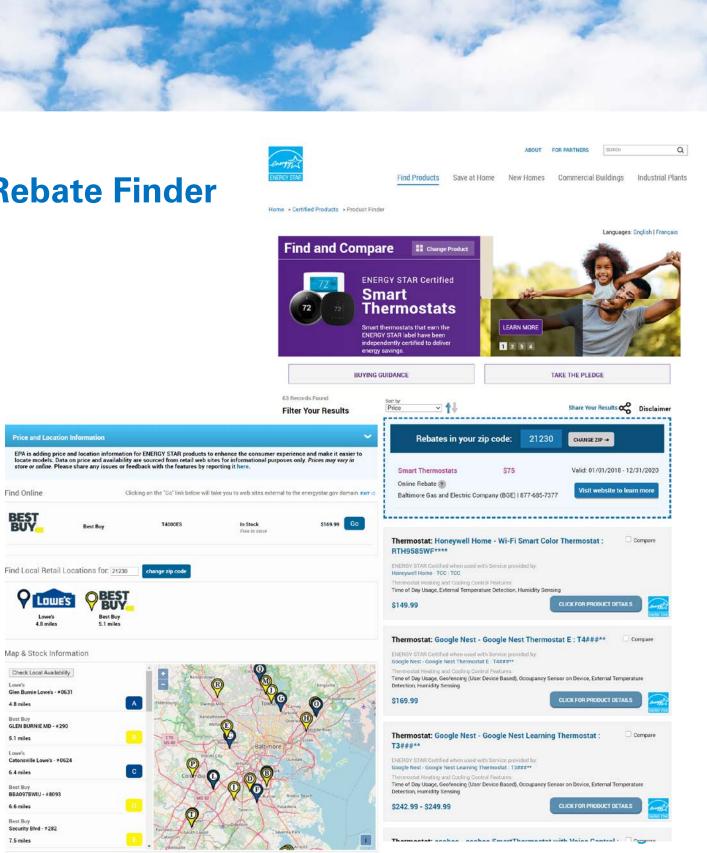
# **General ENERGY STAR Web Tools**





## Web Tools – QPLs, Product Finder, and Rebate Finder

- Qualified Product Lists (QPLs)/Product Finder
  - Help consumers identify products that are **ENERGY STAR certified**
  - Dynamic, searchable product lists with information on performance and functionality
  - Data on price and availability are sourced from select retail web sites for many of the products utilities rebate
  - **NEW!** HVAC product finder for CAC/ASHP
- **Rebate Finder** 
  - Allows customers to identify rebates available on ENERGY STAR certified products in their service territory
  - Populated by data that Program Sponsors submit







## Web Tools – Application Programming Interface (API) Features of Product Finder

- APIs allow third-parties to automatically pull in ENERGY STAR certified product information from EPA to their databases and websites
- Custom filter options allow users to select the subset of ENERGY STAR products that align with their promotions
- Updated daily
- Dataset also available for export via excel, csv, etc.

#### **ENERGY STAR Certified Product Data Sets and APIs**

#### Product Data Sets

In addition to the consumer product finders for ENERGY STAR certified models, EPA maintains 50+ related product data sets at

data.energystar.gov that are updated daily. The interface for these data sets allow users to generate a variety of reports, to create accounts for saving and sharing their work and to export data in a variety of different formats. EPA offers a guide on how to analyze these data sets and create data visualizations.

#### Product Finder API

Developers can access the information in these data sets via API at

data.energystar.gov/developers and link to other databases, build apps, and more. More information about updates to data sets and EPA's approach to API versioning is available here.

#### Keep Up with Changes

Want to know about changes to the ENERGY STAR data sets and API? Want to connect with other developers who are using the API? Sign up for the, ENERGY STAR Products API Google Group.

#### PRODUCTS

#### Appliances

- Dehumidifiers (Finder) (Dataset) (API)
- Residential Clothes Dryers (Finder) (Dataset) (API)
- Residential Clothes Washers (Finder) (Dataset) (API)
- Residential Dishwashers (Finder) (Dataset) (API)

Residential Refrigerators

(Finder) (Dataset) (API)

**Building Products** 

(Finder) (Dataset) (API)

(NFRC Directory) EXIT

(Seal & Insulate Page)

Roof Products

Skylights 🛛

Windows, Doors, &

- Residential Freezers Heating & Cooling (Finder) (Dataset) (API)
  - Boilers (Finder) (Dataset) (API)

Electronics

Audio/Video

Set-Top Boxes

Telephones

Televisions

 Room Air Cleaners (Finder) (Dataset) (API)

#### Furnaces (Finder) (Dataset) (API)

- Geothermal Heat Pumps (Finder) (Dataset) (API)
- (Finder) (Dataset) (API) Room Air Conditioners (Finder) (Dataset) (API)
- Smart Thermostats (Finder) (Dataset) (API)





- (Finder) (Dataset) (API)
- (Finder) (Dataset) (API)
- (Finder) (Dataset) (API)
- (Finder) (Dataset) (API)

- Commercial Boilers
- (Finder) (Dataset) (API)
- Light Commercial HVAC

#### **Office Equipment**

- Computers (Finder) (Dataset) (API)
- Data Center Storage (Finder) (Dataset) (API)
- Displays (Finder) (Dataset) (API)
- Enterprise Servers (Finder) (Dataset) (API)
- Imaging Equipment (Finder) (Dataset) (API)
- Large Network Equipment (Finder) (Dataset) (API)
- Small Network Equipment (Finder) (Dataset) (API)
- Uninterruptible Power Supplies (Finder) (Dataset) (API)

#### Other

- Electric Vehicle Supply Equipment (Finder) (Dataset) (API)
- Lab Grade Refrigerators and Freezers



### **Most Efficient Product Finders**

- For product categories that have earned the ENERGY STAR Most Efficient designation, EPA features products with an image and a list of features provided by the partner, as well as price and location information where available
- Data on price and availability are sourced from select retail web sites for many of the products utilities rebate
- The Most Efficient finders can be found in each product page at the following location:

https://www.energystar.gov/products/mo st\_efficient

#### The Year's Best of ENERGY STAR for Energy Efficiency and Innovation

#### WHEN ONLY THE BEST WILL DO

Introducing ENERGY STAR Most Efficient 2018, a new distinction that recognizes products that deliver cutting edge energy efficiency along with the latest technological innovation. It is an award that truly represents the best of ENERGY STAR.

#### Price and Location Information

EPA is adding price and location information for ENERGY STAR Most Efficient products to enhance the consumer experience and make it easier to locate models. Data on price and availability are sourced from retail web sites for informational purposes only. Please share any issues or feedback with the features by reporting it here.

All products are available in the U.S. and many are also available in Canada.

LG WM9500H*A	Volume (cu. ft.)0	5.8	F	
	Annual Energy Use (kWh/yr)0	120	•	
	Annual Water Use (gallons/yr) 0	4588		
	Low High \$1,583.66 - \$1,999.97 at 8 Online stores			
	Retail Locations     Pricing     Product Specs	CLICK FOR RODUCT DETAILS		







#### Features

5.8 cu. ft. Mega Capacity TurboWash Washer with Steam Technology and NFC Tag On





### Ways to Save RSS Feed

#### Ways to Save Tips

Ways to Save Tips is a web service that provides an ongoing stream of ENERGY STAR® branded, energy-saving tips to external websites that adopt the service.

#### Tips include:

- All ENERGY STAR vetted, energy-saving tips for certified consumer products. Tips for commercial products are not available ... yet.
- Content from national product promotions.
- Any and all additional content, as available.
- Links back to energystar.gov for more educational information.

You can customize the tips in your web feed based on specific product categories relevant to your program. The tips in the feed will automatically refresh with each visit to your site.

### **Partner Benefits**

- Fresh and Frequent Content
  - Increase the amount of content that changes on your page(s) to show search engines that your page is worthy of receiving a boost in the search results.
  - Increase the frequency of the changes to give search engines a reason to crawl your site more often.
  - Give visitors more options for engaging with your page.





#### ENERGY STAR Brand Affiliation

ENERGY STAR is a trusted brand that provides credibility to your site and confidence to your site visitors.

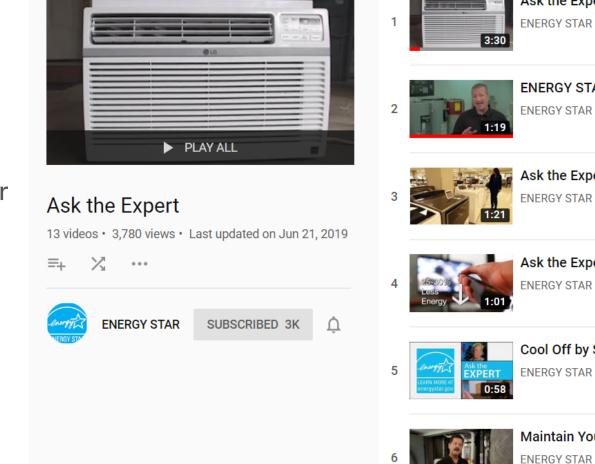
Displaying ENERGY STAR branded content next to your own content creates a connection that can add value to your content.

Once the web service is adopted, you're done! You do not have to think about it again.



## Ask the Expert YouTube Channel

- Ask the Expert videos cover a range of topics, from how to size your Room AC to what a heat pump dryer is, and more
- Videos can be linked to or embedded within a webpage





### YouTube Channel



Ask the Expert: How to Buy a Room or Window Air Conditioner



ENERGY STAR Water Heaters Mean BIG Savings - Ask the Expert

Ask the Expert - Clothes Dryers Have Earned the ENERGY STAR!

Ask the Expert: Energy Efficient Video Streaming

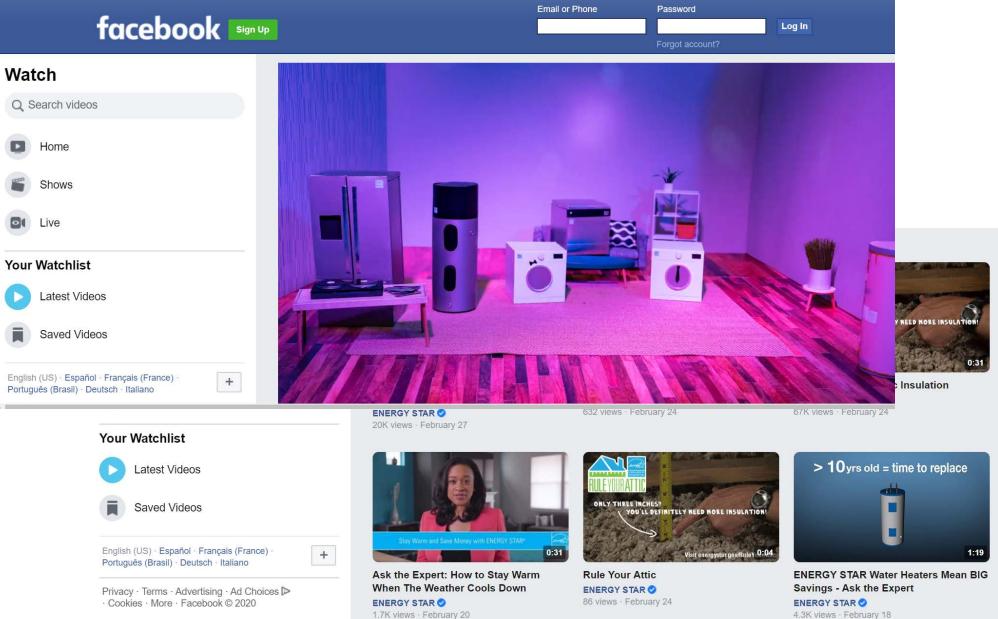
Cool Off by Sealing and Insulating and Chill Out with ENERGY STAR

Maintain Your Cooling System and Chill Out with ENERGY STAR



### **Facebook Channel**

- EPA offers educational and promotional videos through Facebook as well
- Videos can be linked to or embedded within a webpage





### **Facebook Channel**



4.3K views · February 18

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# **Product-Specific ENERGY STAR Web Tools**



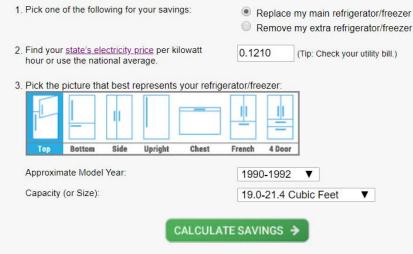


## **Flip Your Fridge Calculator**

- The Flip Your Fridge calculator is designed to provide an estimate of the savings associated with replacing or removing an old refrigerator or freezer with a new ENERGY STAR certified model.
- Customers input information about their current model and electricity price, and will see energy and monetary savings associated with upgrading to an ENERGY STAR unit.



Find out how much your old refrigerator or freezer costs to operate and how much you can save by flipping it to ENERGY STAR.











### **FYF Calculator Demo**

energy			ABOUT	FOR PARTNERS SEARCH	Q
ENERGY STAR	Find Products	Save at Home	New Homes	Commercial Buildings	Industrial Plants
Home » Products » Refrigerators	Flip Your Fridge Calculator				
		A. Mallin			
TI IN		W/			-
<u>FLIP</u>	rourt HIUbt		5/7		
CALC	JLATOR CONTRACTOR	A	4-		
Cool for Yo	u. Cool for the Planet.			6	
Find ou	how much your old ref	frigerator or free	ezer costs t	o operate and how	
	ou can save by flipping		TAR.		
	. Pick one of the following for your sav		eplace my main ref emove my extra ref		
	Find your state's electricity price per hour or use the national average.	kilowatt 0.	1210 (Тір	Check your utility bill.)	
4	Pick the picture that best represents	your refrigerator/freezer.	-		
	Top Bottom Side Upright	Chest French 4 Do	of .		
	Approximate Model Year.	1	990-1992	~	
	Capacity (or Size):	1	9.0-21.4 Cubic F	eet 🗸	
	CA	LCULATE SAVINGS			
				n replacing or removing an old	



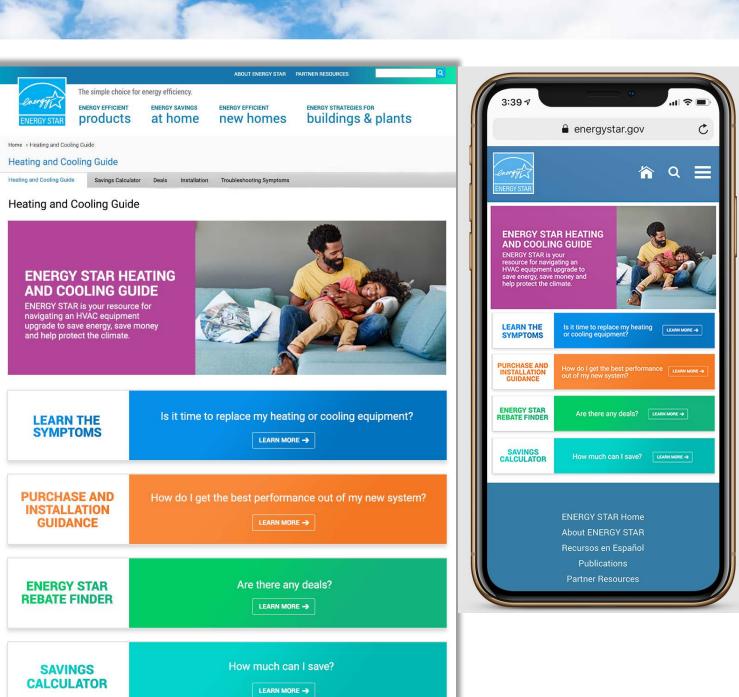
#### Please reference session recording to play video

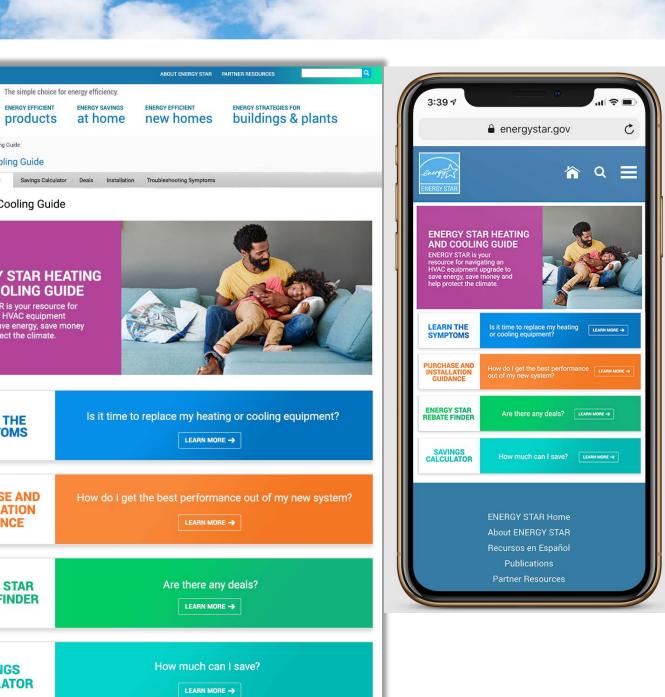




## **Heating and Cooling Guide**

- Designed to overcome barriers to generate consumer demand and adoption of ENERGY STAR certified HVAC, with a focus on ducted and ductless air source heat pumps.
- Drives customers to educational content around replacement and certified products.
  - Information on equipment replacement
  - Purchase and installation guidance
  - **Available Rebates**
  - **Replacement savings calculator**

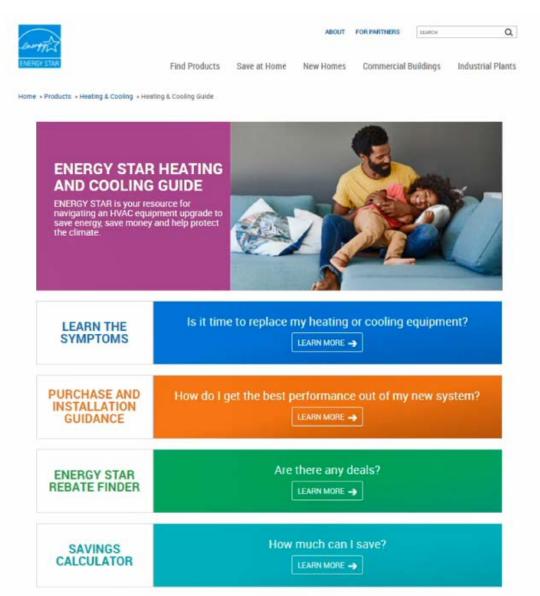




### Heating and Cooling Guide



### Heating and Cooling Guide Demo





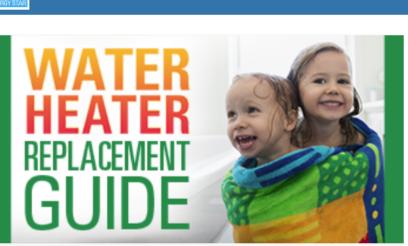
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### Water Heater Replacement Guide

- The Water Heater Replacement Guide is designed to help users identify criteria needed for the installation of a heat pump water heater
- Users will walk through 4 prompts that highlight requirements for installation



Heat pump water heaters use advanced technology to do the job with significantly less energy. In most homes they can be installed right where your current water heater sits. Take a moment to go through 4 simple installation considerations to figure out if a heat pump water heater is right for your home.

#### Why Choose an ENERGY STAR certified heat pump water heater?

- available in your area.
- and help protect the environment.







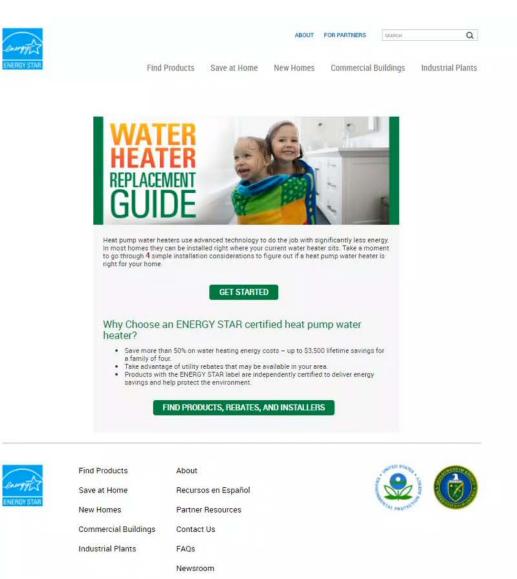
#### **GET STARTED**

• Save more than 50% on water heating energy costs - up to \$3,500 lifetime savings for a family of four. Take advantage of utility rebates that may be

 Products with the ENERGY STAR label are independently certified to deliver energy savings



#### Water Heater Replacement Guide Demo





### Please reference session recording to play video



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## **Choose a Light Guide**

- An educational tool to help consumers with their lighting purchasing decision
- Walks the user through three steps in order to help identify what type of lighting product will meet their needs



#### Looking to replace a light bulb?

Here's how in three easy steps:

- 1. Choose the shape
- Choose the color
- 3. Choose the brightness

FIND YOUR LIGHT BULB

#### Why Choose ENERGY STAR?

- Independently certified to deliver efficiency and performance
- Same brightness (lumens), 90% less energy (watts)
- Last 15 times longer = big \$ savings
- Help protect the environment and prevent climate change





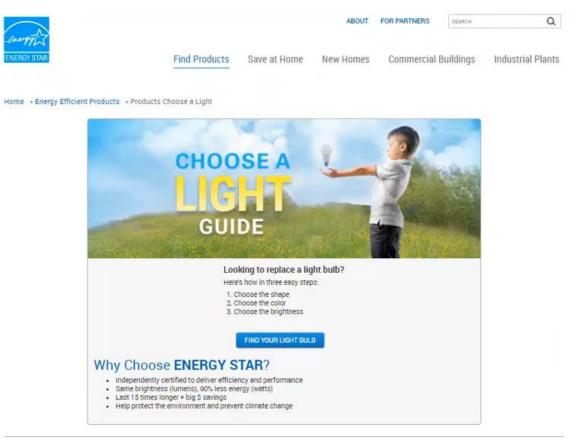


i<mark>ght bulb?</mark> eps:





### **Choose a Light Guide Demo**





Find Products	About	Juntto Stans
Save at Home	Recursos en Español	
New Homes	Partner Resources	THINK PROTICING
Commercial Buildings	Contact Us	
Industrial Plants	FAQs	
	Newsroom	
	Save at Home New Homes Commercial Buildings	Save at HomeRecursos en EspañolNew HomesPartner ResourcesCommercial BuildingsContact UsIndustrial PlantsFAQs



Please reference session recording to play video







# **Partner Implementation Examples**





### Partner Example – Appalachian Power ENERGY STAR Resources webpage

**Resources** 

#### ENERGY STAR<sup>®</sup>



- » ENERGY STAR<sup>®</sup> Ways to Save Tips
- » Take the ENERGY STAR<sup>®</sup> Pledge
- » Resources

Find out all the ways to save by visiting ENERGY STAR<sup>®</sup>, the simple choice for energy efficiency.

#### Tools

- ENERGY STAR Product Finder locates all product categories with certified products.
- Choose a Lights Guide helps identify what type of LED to look for when purchasing.
- Water Heater Replacement Guide walks you through the requirements for a heat pump water heater.
- Best Value Finder finds the best prices from select retailers.
- Commercial and Industrial Webinars check out upcoming trainings.
- HVAC Product Finder -- identifies brands that offer ENERGY STAR certified equipment.
- HVAC Guide/Calculator helps consumers navigate an HVAC equipment upgrade that will save energy, save money
  and help protect the climate.

#### Small Businesses

Check out the links below for some sector-specific tips and tools for your small business!

- Small Business Action Workbook Summary
- Restaurants
- Auto Dealers
- Lodging
- Offices: Owners and Renters
- Grocery and Convenience Stores
- Small and Medium Manufacturers

#### Education

Check out the links below for some educational tips and "How it Works" information!

- Tax Credits
- Heating and Cooling Tips
- How it Works Heat Pump Water Heaters
- How it Works High Efficiency Gas Storage Water Heaters
- How it Works Whole-Home Gas Tankless Water Heaters
- How it Works Solar Water Heaters

#### https://takechargewv.com/energystar/resources.aspx



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### **Partner Example – NHSaves Refrigerator webpage branding**

## sacrificing features.

Thanks to recent improvements in insulation and compressors, today's refrigerators use much less energy than older models. Refrigerators that have earned the ENERGY STAR are available in many popular configurations, and are about 9 percent more energy efficient than models that meet the minimum federal

FLIP YOUR FRIDGE CALCULATOR

ENERGY STAR certified refrigerators use less energy and help us reduce our impact on the environment. If all refrigerators sold in the United States were ENERGY STAR certified, the energy cost savings would grow to nearly \$700 million each year and 9

#### What should you consider when **buying a Refrigerator?**

#### Look for the ENERGY STAR®

ENERGY STAR is the simple choice for saving energy, saving money and helping to protect the climate. After heating, cooling, and hot water, the refrigerator is probably the next largest energy user in your home. Thanks to recent improvements in insulation and compressors, today's refrigerators use much less energy than older models. In fact, a 15 year old refrigerator uses twice as much energy as a new ENERGY STAR certified model. You could save as much as \$260 over the next five years and reduce your carbon footprint by 7,900 pounds by replacing that old refrigerator.

#### Consider a Refrigerator with a Top-Mounted Freezer

Refrigerators are sold in many configurations including top freezer, bottom freezer, and side-by-side. Your new refrigerator doesn't have to be the same configuration you had before, so long as you account for proper sizing as discussed below. A top-freezer refrigerator that has earned the ENERGY STAR uses less energy than a 60-watt light bulb. Top freezer models tend to use the least energy of all refrigerator configurations, and are affordably priced. On average, an ENERGY STAR certified top freezer refrigerator costs about \$45 a year to run, while a side-by-side costs about \$77, and a bottom freezer costs about \$70.

#### Recycle Your Old Refrigerator

Recycling old refrigerators is another important way to help prevent global warming. Not only does it prevent energy-wasting units from ending up in someone else's home, but it avoids the release of harmful materials. . Keeping all that old refrigerant and foam from getting into the environment could prevent an extra 10,000 pounds of greenhouse gas emissions! Learn how to Flip Your Fridge and save.

#### Purchase an Appropriately Sized Refrigerator

Generally, the larger the refrigerator, the greater the energy consumption. The most energy-efficient models are typically 16-20 cubic feet. When you replace an old refrigerator with a new one, do not keep the old refrigerator for extra cold storage. If your refrigeration needs absolutely cannot be met by a single refrigerator, make sure that the second refrigerator or freezer is an energy efficient model that is no bigger than what you need. Be certain to recycle your existing second refrigerator from your garage or basement.

#### Consider the Features that are Most Important to You

Which features do you need in your new fridge? Think about whether you'll want an icemaker, through-the-door ice, or hot water, so that you only pay for what you use - both in the initial purchase price and over the lifetime of the product. For example, through-the-door ice adds about 84 kWh of energy, or \$10 per year to your utility bill.

Peruse the ENERGY STAR Product Finder to compare features among energy efficient refrigerator models and optimize your purchase.

Take Advantage of Utility Rebates



#### https://nhsaves.com/programs/refrigerators/



Be sure to visit the ENERGY STAR Rebate Finder to check for special offers from your local utility on purchasing a new refrigerator and/or recycling ar old one.



### **Partner Example - DCSEU referral to the Flip Your Fridge Calculator**

# When to replace your old fridge or freezer

If you have a second refrigerator in the garage or basement	Retire and recycle it. Retiring a second refrigerator or freezer can help you save up to \$150 a yea <u>to recycle your old fridge.</u>
lf your fridge or freezer was made before 1993	It's time for a new one. ENERGY STAR refrigerators use half the electricity of standard models man
lf your fridge or freezer was made between 1993-1999	<ul> <li>Consider replacing it if:</li> <li>You have a side-by-side refrigerator (they use 25% more energy)</li> <li>Your household size has shrunk and you could use a smaller model</li> <li>It has been unreliable or required repairs in the past</li> </ul> Use the ENERGY STAR <u>refrigerator calculator</u> to find out how much energy or freezer is using. The energy savings may justify replacing the refrigerator

### https://www.dcseu.com/homes/refrigerators





ear on your electric bills. How

nufactured before 1993.

rgy and money your old fridge or sooner rather than later.



### **Partner Example – BGE referral to Water Heater Replacement Guide**

Home > My Home > Get Rebates > Heat Pump Water Heater Rebate

If your water heater is more than 10 years old, avoid the hassle, stress and extra costs of water heater failure by planning ahead and replacing it early with an ENERGY STAR® certified model. Unlike traditional water heaters, an electric heat pump water heater with the ENERGY STAR label uses a highly efficient heat pump to transfer heat from the surrounding air to the water in the storage tank. This process uses much less power, helping you save energy and money.

#### Why Upgrade to a Heat Pump Water Heater?

- Save energy. An ENERGY STAR certified electric heat pump water heater uses less than half the energy of a standard electric water heater.\*
- Save money. A typical family of four could save up to \$350 per year in energy costs compared with a standard electric water heater. Although an electric heat pump water heater costs more upfront, the savings can pay back the difference in just two years for a household of four.
- Get rebates. Select models qualify for rebates up to \$500.<sup>†</sup>

#### Is an ENERGY STAR Heat Pump Water Heater Right for My Home?

In most homes it can be installed right where your current water heater sits, making it a great option. ENERGY STAR now makes it easy to determine whether an electric heat pump water heater is the best choice for your home with this new, mobile-friendly Water Heater Replacement Guide.

#### **Check Eligibility Requirements**

#### How to Get Your Rebate

There are two ways to receive your rebate.

- 1. Purchase your heat pump water heater directly from a retailer and fill out the rebate application. Apply online for faster processing, or print and mail in your rebate application.
- 2. Purchase your heat pump water heater from a participating distributor and receive your rebate instantly.

In addition to your \$500 rebate, qualified ENERGY STAR certified hybrid water heaters are also eligible for a \$300 federal tax credit.\*\*

\*\*For more information, consult your tax advisor or visit https://www.energystar.gov/about/federal\_tax\_credits/non\_business\_energy\_property\_tax\_credits.

#### https://bgesmartenergy.com/residential/get-rebates/heat-pump-water-heater



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# **Questions?**

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# THANK YOU

