

ENERGY = MONEY



AND IT'S YOUR MONEY!

The more energy you use, the more money you have to spend and nobody wants to spend more than you have to.

The Inflation Reduction Act Delivers Affordable Clean Energy for Florida

The Inflation Reduction Act is the most significant legislation in U.S. history to tackle the climate crisis and strengthen American energy security. It will lower energy costs for households and businesses, create manufacturing jobs for American workers, and deliver a clean, secure, and healthy future for our children and grandchildren. The savings, jobs, and other benefits provided by this legislation will reach communities across Florida.

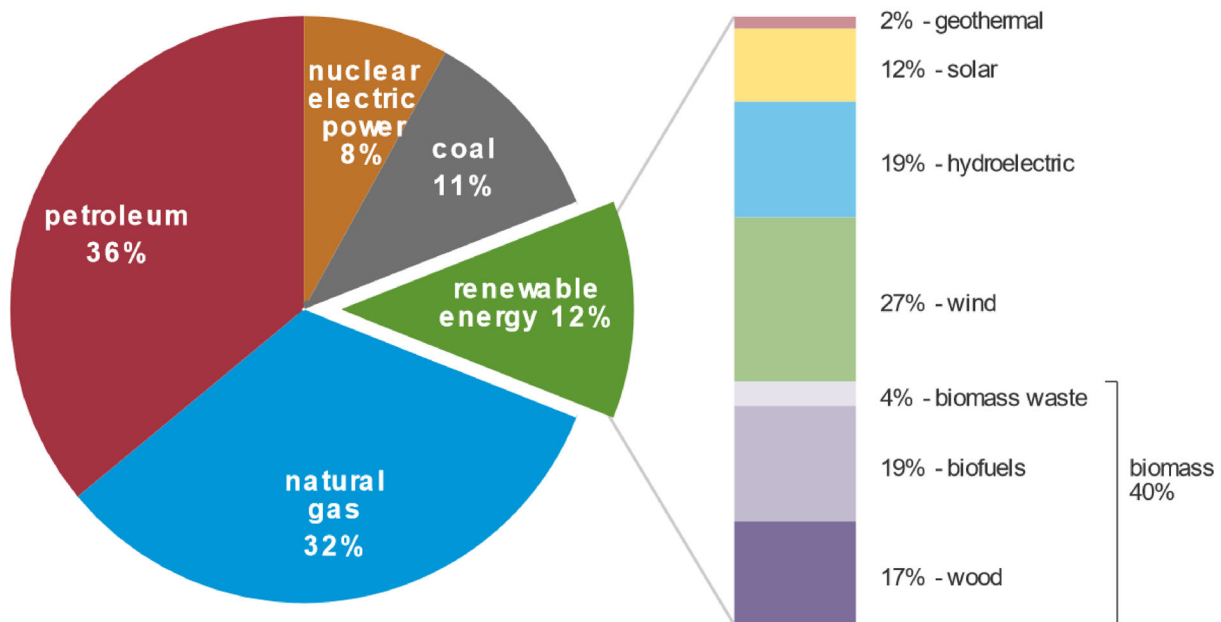
President Biden promised to combat the existential threat of climate change and build a clean energy future that creates jobs, advances environmental justice, and lowers costs for families. He's following through on that promise with the Inflation Reduction Act and Bipartisan Infrastructure Law. •

- **LOWER ENERGY COSTS:** The Inflation Reduction Act will make it more affordable for Florida families to purchase energy efficient appliances when they need to, make repairs around their homes, and save money on their utility bills each month, through:
 - o Rebates covering 50-100% of the cost of installing new electric appliances, including super-efficient heat pumps, water heaters, clothes dryers, stoves, and ovens. In Florida, millions of low- and moderate-income households are eligible for rebates.
 - o Rebates for households to make repairs and improvements in single-family and multi-family homes to increase energy efficiency.
 - o Tax credits covering 30% of the costs to install solar panels and battery storage systems, make home improvements that reduce energy leakage, or upgrade heating and cooling equipment. No income limits apply. For solar, uptake projections estimate that over 1.1 million additional Florida households will install rooftop panels as a result.
 - o Tax credits covering 30% of the costs of community solar projects-owned by local businesses that sign up families to save on their electric bills-with additional bonus credits of 20% for projects at affordable housing properties and 10% for projects in low-income communities.
 - o Grants to help state and local governments adopt the latest building energy codes, which would save the average new homeowner in Florida 11.7% on their utility bills-\$225 annually.
- **GOOD-PAYING JOBS:** In 2021, there were already 158,467 Florida workers employed in clean energy jobs. The Inflation Reduction Act will expand these opportunities, bringing an estimated \$62.7 billion of investment in large-scale clean power generation and storage to Florida between now and 2030. It provides a historic set of tax credits that will create jobs across solar, wind, storage, and other clean energy industries. These credits include bonuses for businesses that pay a prevailing wage, so that Florida workers earn a good paycheck as we build the clean energy future in America.
- **DOMESTIC MANUFACTURING:** Manufacturers employ 388,200 workers in Florida, and the Inflation Reduction Act will help us make the technologies of the future at home supporting local economies and strengthening supply chains. The Inflation Reduction Act will boost U.S. manufacturing of clean energy and transportation technologies, as well as investments for a new Advanced Industrial Facilities Deployment Program to position America to lead the growing global market for clean steel, aluminum, cement, and more.

- **SMALL BUSINESSES:** Florida is home to 2.8 million small businesses, representing 99.8% of all businesses in the state, and the Inflation Reduction Act will help them save money. Commercial building owners can receive a tax credit up to \$5 per square foot to support energy efficiency improvements that deliver lower utility bills. Other programs that will benefit small businesses include tax credits covering 30% of the costs of installing low-cost solar power and of purchasing clean trucks and vans for commercial fleets.
- **ELECTRIC VEHICLES:** The Inflation Reduction Act will make it easier and cheaper to purchase an electric vehicle, with upfront discounts up to \$7,500 for new EVs and \$4,000 for used EVs, helping middle-class Americans skip the gas pump and save on fuel costs. In Florida, millions of people will be eligible for these discounts. Florida recently submitted a state plan for using funds from President Biden's Bipartisan Infrastructure Law to build out EV charging stations along highways.
- **CLEANER AIR:** The Inflation Reduction Act will significantly reduce pollution, resulting in 100,000 fewer asthma attacks in America in 2030, and position the U.S. to achieve President Biden's climate goals. Lowering greenhouse gas emissions will not only avoid costly climate impacts from more extreme weather, but also improve local air quality preventing premature deaths and reducing air pollution. In addition to reducing pollution across the economy, the Act will benefit communities most in need of cleaner air, with in environmental justice block grants, investments for cleaner buses and trucks, and a Clean Energy and Sustainability Accelerator that will prioritize emissions-reducing projects in disadvantaged communities and fund state and local green banks like the Florida Solar & Energy Loan Fund.
- **RURAL OPPORTUNITIES:** The Inflation Reduction Act supports climate-smart agriculture practices, which will help Florida's 47,500 farms lead on climate solutions and reward their stewardship. Electric cooperatives, which serve 1.2 million homes, businesses, and other customers in Florida, will for the first time be eligible for direct-pay clean energy tax credits. And this legislation dedicates investments for rural. electric cooperatives to boost resiliency, reliability, and affordability, including through clean energy and energy efficiency upgrades.
- **RESILIENT COMMUNITIES:** The Inflation Reduction Act will upgrade affordable housing, including projects that boost resilience in the face of intensifying extreme weather. In Florida, tens of thousands of people live in affordable housing units that are eligible for upgrades like flood-proofing and storm resistance, as well as clean energy and electrification. A new Neighborhood Access and Equity Grant Program includes support for transportation projects and planning to protect against flooding, extreme heat, and more. The Inflation Reduction Act also invests in strengthening America's forests, including programs focused on preventing wildfires and for tree planting projects that help protect communities from extreme heat.

HERE ARE THE FACTS

U.S. primary energy consumption by energy source, 2021



GERMANY NOW PRODUCES OVER 50% OF THEIR ENERGY FROM RENEWABLE SOURCES.

“The Electric Bank Account”

Inflation Reduction Act Think Tank
and Benefits Calculator

www.rewiringamerica.org

Non-Profit Organization

Founded by Climate Scientists

Teams of Policy Readers and Advocates

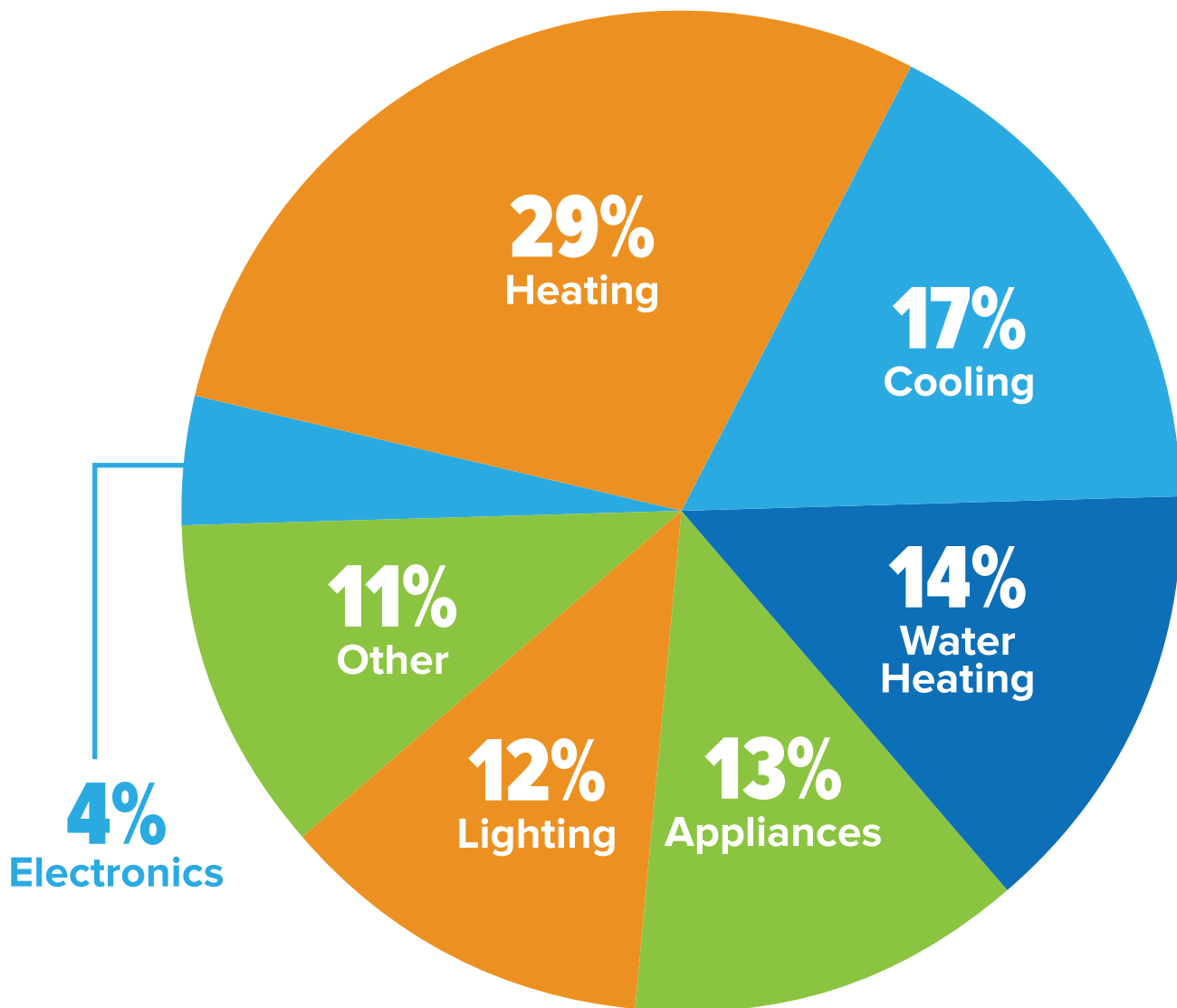
Calculate Benefits for
Rebates and Tax Credits

Utility Rate & Energy Inflation

Monthly Bill Rate Increase	\$75			\$100			\$125			\$150		
	3%	5%	6%	3%	5%	6%	3%	5%	6%	3%	5%	6%
Year 1 Annual Cost 1	\$900	\$900	\$900	\$1,200	\$1,200	\$1,200	\$1,500	\$1,500	\$1,500	\$1,800	\$1,800	\$1,800
2	\$927	\$945	\$954	\$1,236	\$1,260	\$1,272	\$1,545	\$1,575	\$1,590	\$1,854	\$1,890	\$1,908
3	\$955	\$992	\$1,011	\$1,273	\$1,323	\$1,348	\$1,591	\$1,654	\$1,685	\$1,910	\$1,985	\$2,022
4	\$983	\$1,042	\$1,072	\$1,311	\$1,389	\$1,429	\$1,639	\$1,736	\$1,787	\$1,967	\$2,084	\$2,144
5	\$1,013	\$1,094	\$1,136	\$1,351	\$1,459	\$1,515	\$1,688	\$1,823	\$1,894	\$2,026	\$2,188	\$2,272
6	\$1,043	\$1,149	\$1,204	\$1,391	\$1,532	\$1,606	\$1,739	\$1,914	\$2,007	\$2,087	\$2,297	\$2,409
7	\$1,075	\$1,206	\$1,277	\$1,433	\$1,608	\$1,702	\$1,791	\$2,010	\$2,128	\$2,149	\$2,412	\$2,553
8	\$1,107	\$1,266	\$1,353	\$1,476	\$1,689	\$1,804	\$1,845	\$2,111	\$2,255	\$2,214	\$2,533	\$2,707
9	\$1,140	\$1,330	\$1,434	\$1,520	\$1,773	\$1,913	\$1,900	\$2,216	\$2,391	\$2,280	\$2,659	\$2,869
10	\$1,174	\$1,396	\$1,521	\$1,566	\$1,862	\$2,027	\$1,957	\$2,327	\$2,534	\$2,349	\$2,792	\$3,041
11	\$1,210	\$1,466	\$1,612	\$1,613	\$1,955	\$2,149	\$2,016	\$2,443	\$2,686	\$2,419	\$2,932	\$3,224
12	\$1,246	\$1,539	\$1,708	\$1,661	\$2,052	\$2,278	\$2,076	\$2,566	\$2,847	\$2,492	\$3,079	\$3,417
Total (Years 1-12)	\$12,773	\$14,325	\$15,183	\$17,030	\$19,101	\$20,244	\$21,288	\$23,876	\$25,305	\$25,546	\$28,651	\$30,366
13	\$1,283	\$1,616	\$1,811	\$1,711	\$2,155	\$2,415	\$2,139	\$2,694	\$3,018	\$2,566	\$3,233	\$3,622
14	\$1,322	\$1,697	\$1,920	\$1,762	\$2,263	\$2,560	\$2,203	\$2,828	\$3,199	\$2,643	\$3,394	\$3,839
15	\$1,361	\$1,782	\$2,035	\$1,815	\$2,376	\$2,713	\$2,269	\$2,970	\$3,391	\$2,723	\$3,564	\$4,070
16	\$1,402	\$1,871	\$2,157	\$1,870	\$2,495	\$2,876	\$2,337	\$3,118	\$3,595	\$2,804	\$3,742	\$4,314
17	\$1,444	\$1,965	\$2,286	\$1,926	\$2,619	\$3,048	\$2,407	\$3,274	\$3,811	\$2,888	\$3,929	\$4,573
18	\$1,488	\$2,063	\$2,423	\$1,983	\$2,750	\$3,231	\$2,479	\$3,438	\$4,039	\$2,975	\$4,126	\$4,847
19	\$1,532	\$2,166	\$2,569	\$2,043	\$2,888	\$3,425	\$2,554	\$3,610	\$4,282	\$3,064	\$4,332	\$5,138
20	\$1,578	\$2,274	\$2,723	\$2,104	\$3,032	\$3,631	\$2,630	\$3,790	\$4,538	\$3,156	\$4,549	\$5,446
21	\$1,626	\$2,388	\$2,886	\$2,167	\$3,184	\$3,849	\$2,709	\$3,980	\$4,811	\$3,251	\$4,776	\$5,773
22	\$1,674	\$2,507	\$3,060	\$2,232	\$3,343	\$4,079	\$2,790	\$4,179	\$5,099	\$3,349	\$5,015	\$6,119
23	\$1,724	\$2,633	\$3,243	\$2,299	\$3,510	\$4,324	\$2,874	\$4,388	\$5,405	\$3,449	\$5,265	\$6,486
24	\$1,776	\$2,764	\$3,438	\$2,368	\$3,686	\$4,584	\$2,960	\$4,607	\$5,730	\$3,552	\$5,529	\$6,876
25	\$1,830	\$2,903	\$3,644	\$2,439	\$3,870	\$4,859	\$3,049	\$4,838	\$6,073	\$3,659	\$5,805	\$7,288
Total(Years 13-25)	\$20,041	\$28,629	\$34,195	\$26,721	\$38,172	\$45,593	\$33,401	\$47,715	\$56,992	\$40,081	\$57,258	\$68,390
GRAND TOTAL	\$32,813	\$42,954	\$49,378	\$43,751	\$57,273	\$65,837	\$54,689	\$71,591	\$82,297	\$65,627	\$85,909	\$98,756

Energy Use Breakdown

(Based on average use per house-hold)

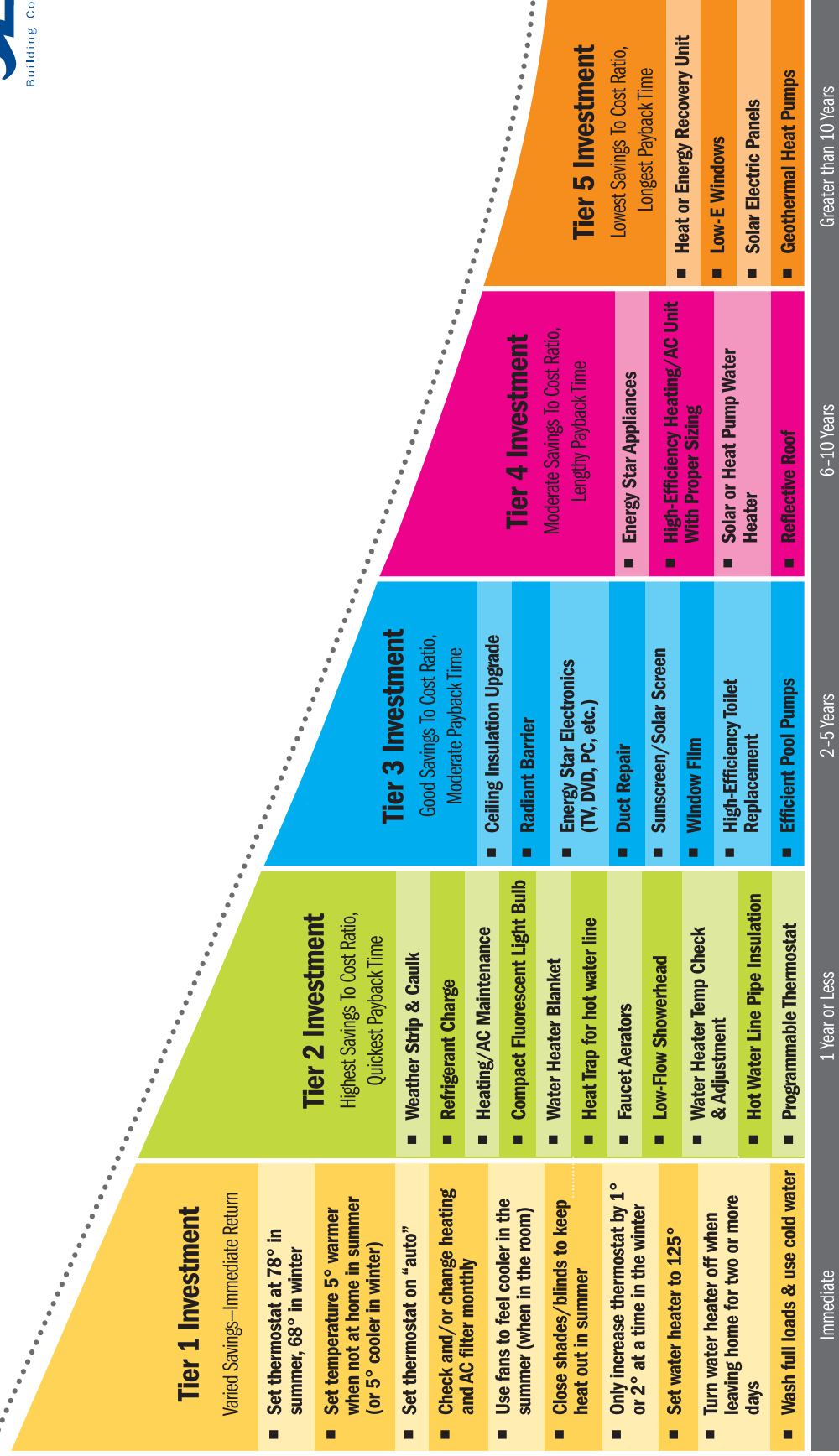


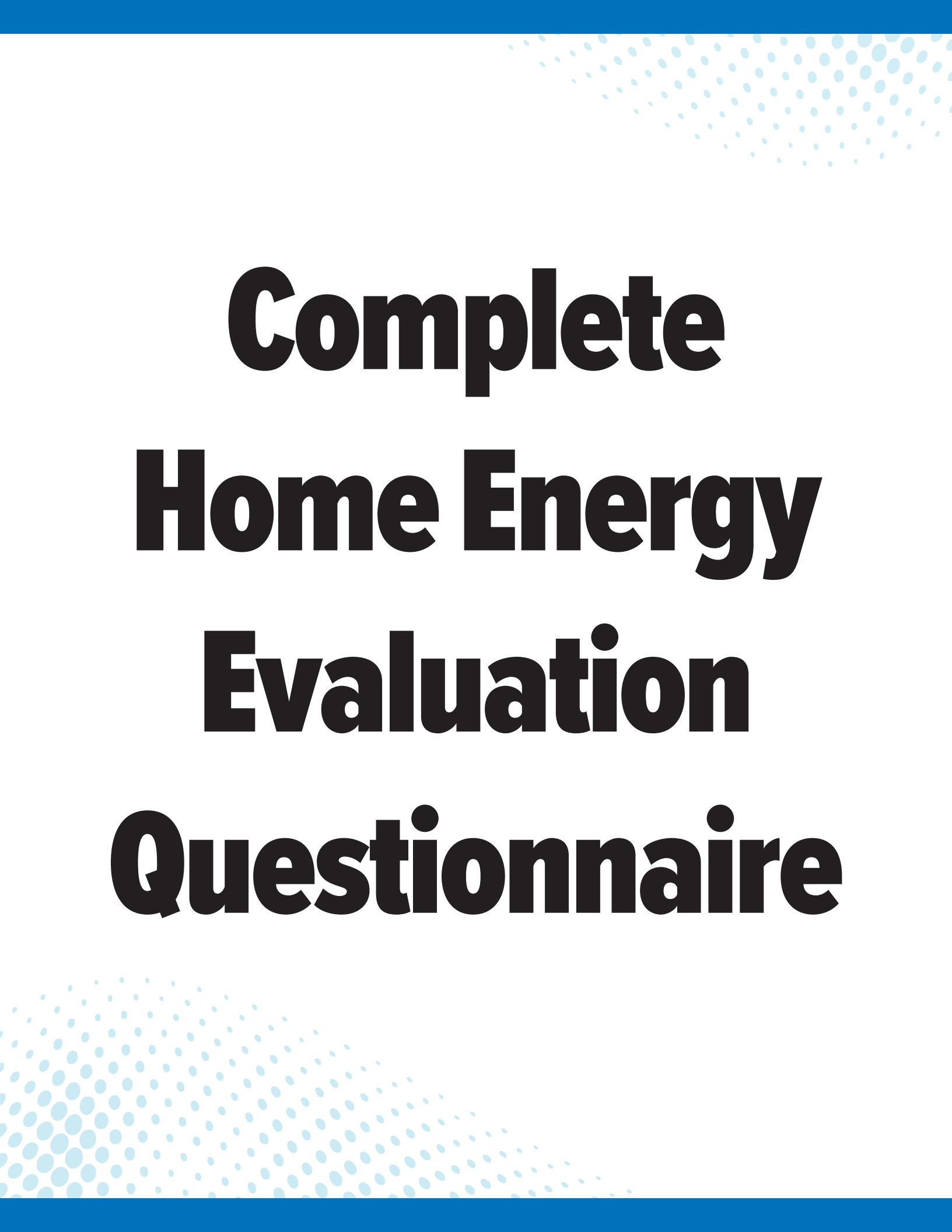
Home Energy and Water Efficiency Resource Investment Curve

Completing these tiers in order is generally the most efficient use of your money



Resources Saved vs. Resources Invested



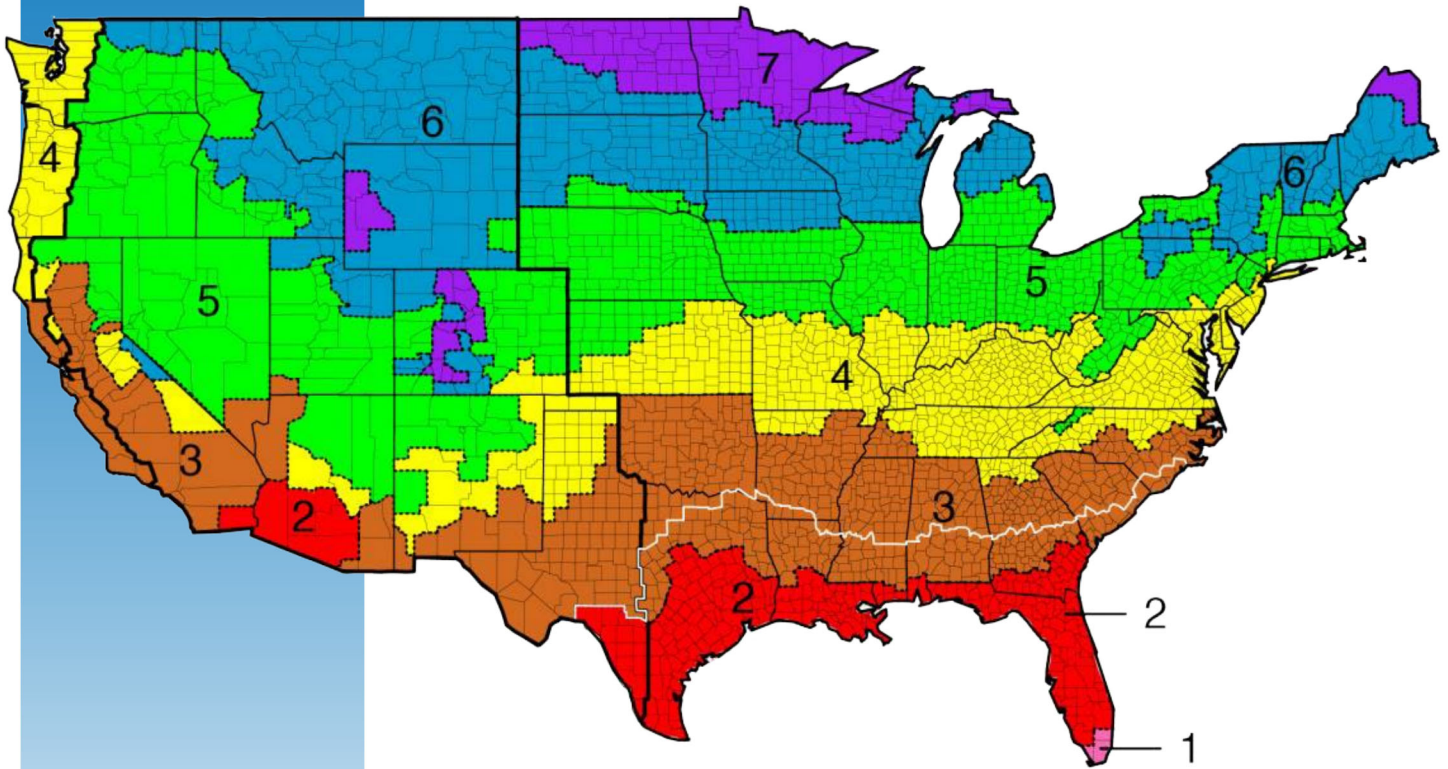


Complete Home Energy Evaluation Questionnaire



UNITED STATES DEPARTMENT OF ENERGY

INSULATION GUIDELINES



ZONE	RESISTANCE VALUE
1	R30 - R39
2	R30 - R60
3	R30 - R60
4	R38 - R60
5	R38 - R60
6	R38 - R60

ATTIC INSULATION



FIBERGLASS



MINERAL WOOL



CELLULOSE

PROPER INSULATION



TODAY, MORE THAN
**100 MILLION
US HOMES**
ARE UNDER INSULATED

**Lack of Proper Insulation Causes Us To Waste
Billions of Dollars On Energy Every Year**

WHERE YOUR ENERGY DOLLARS ARE LOST THE MOST



**Due To Lack Of
Proper Insulation**

YOUR MONTHLY ELECTRIC BILL

WINTER



This issue of National Geographic shows a winter time thermal image of a home's energy loss with typical mass insulation.

YOUR MONTHLY ELECTRIC BILL

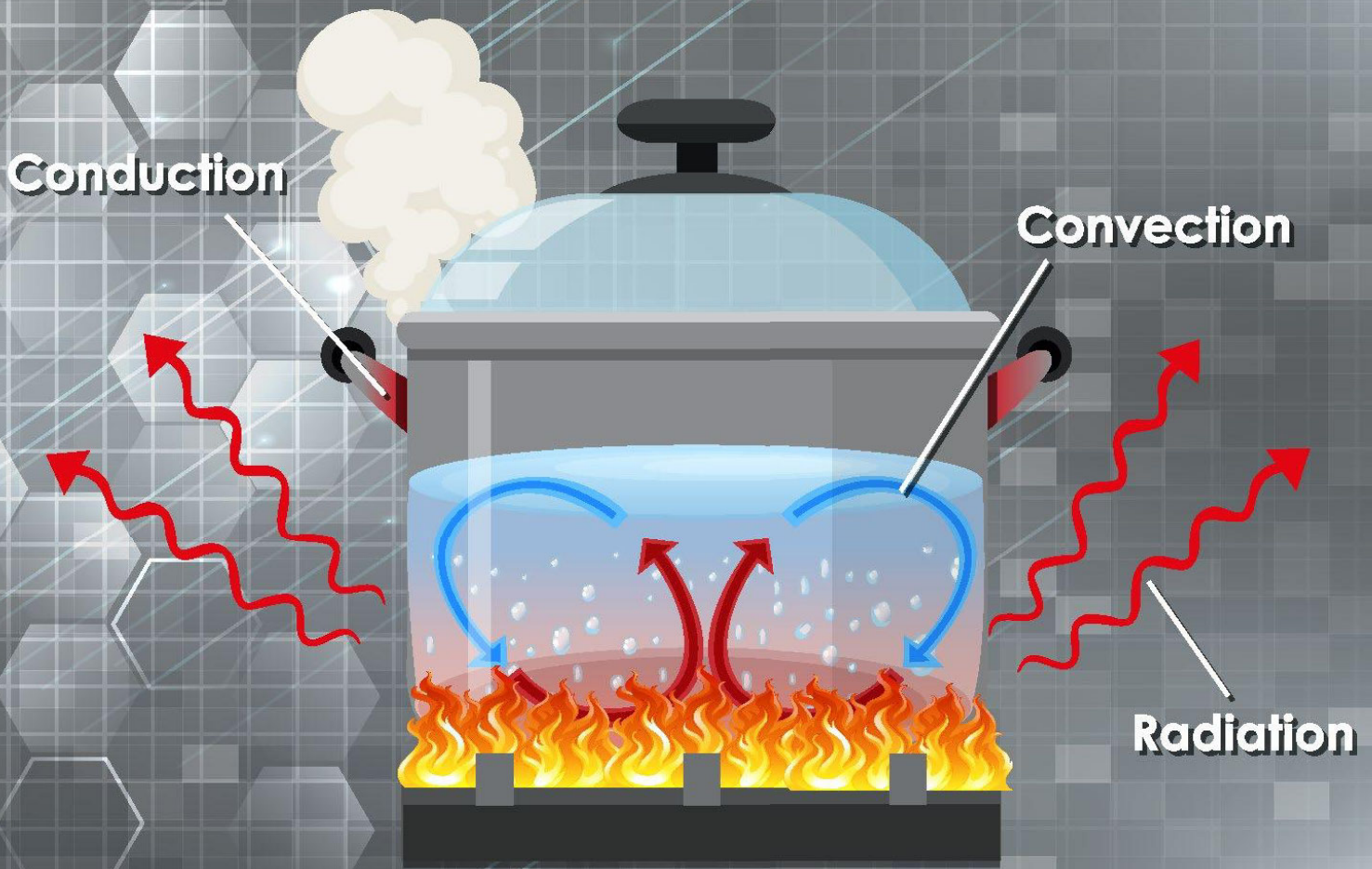
SUMMER



In the **Summer**, attic temperature can rise to over **150 degrees**, increasing your energy costs by over **30%**

HOW **HEAT** TRANSFERS

HEAT TRANSFER METHODS



Today, we know that **RADIATION** is the single most significant source of heat loss & heat gain in your home!

RADIANT BARRIER FACTS

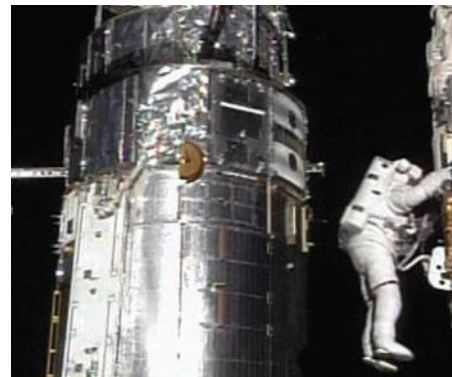
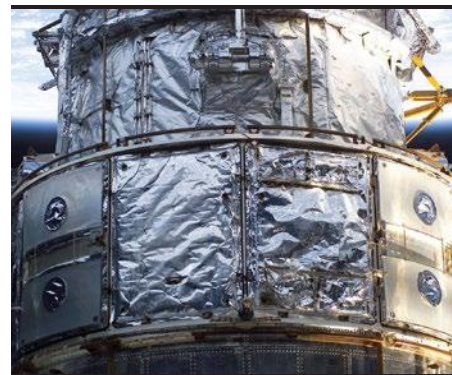
In the mid 1950's when Clark E. Beck refined the technology for NASA in the form of the thermal blanket which is still used globally by emergency crews.

Radiant Barrier technology was introduced into the US Space Agency Hall of Fame in 1996 and was considered "Top Secret" technology until the early 1980's.

The US Department of Energy says, "when a radiant barrier is correctly installed, it can reduce the heat gains through your ceiling by over 97%."

The Oak Ridge National Laboratory showed a 24% overall energy savings in the St. Louis, Missouri facility, and a 26% energy savings in the Topeka, Kansas location.

Radiant barrier technology allows Top Fuel NHRA racers to walk away from the 2500+ degree temperatures experienced during high-octane fuel explosions.







Attic Radiant Barrier

With Radiant Barrier:

Reflective surface reflects some radiant energy back out and less heat is conducted into the attic.

Heat:
Radiant energy from the sun

Air Gap

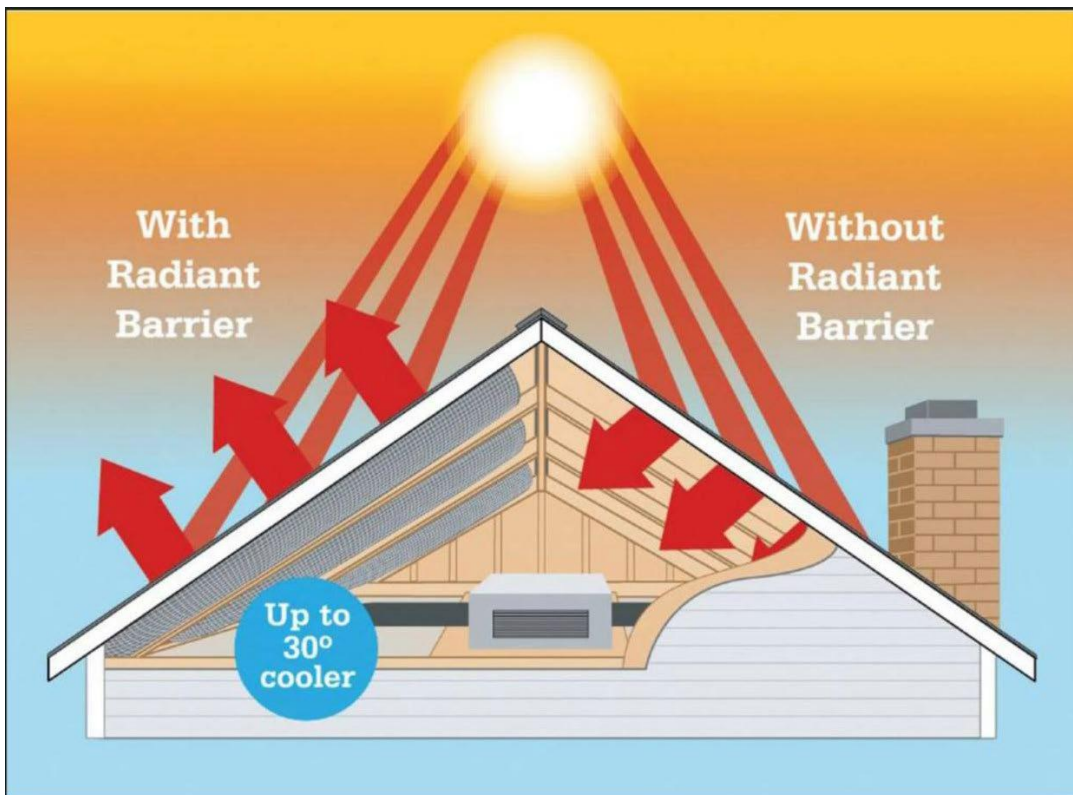
Reflective Surface

Roof

Without Radiant Barrier:

Heat is radiated from the roof into the attic.

Source: Collaborative Efficiency



WHAT'S YOUR COST?

Water Heater

MODEL-ER52, RE52, TR52, 121140,

ELECTRIC

121068

FIRST HOUR RATING: 58

PREFIX-CR, IR, K, M, Z

SUFFIX-D, S, L, U

ENERGYGUIDE

Estimates on the scale are based on a national average ELECTRIC

Only models with first hour ratings of

RATE OF 8.0¢ PER KILOWATT HOUR

56 - 64 GALLONS are used in this scale

\$526

Model with lowest energy cost

Model with highest energy cost

\$428

\$547

THIS MODEL

Estimated yearly energy cost

Your cost will vary depending on your local energy rate and how you use the product. This energy cost is based on U.S. Government standard tests.

How much will this model cost you to run yearly?

YEARLY COST

Estimated yearly \$ cost shown below

Cost per KILOWATT HOUR		
4¢		\$262
6¢		\$393
8¢		\$523
10¢		\$654
12¢		\$785
14¢		\$916

Ask your salesperson or local utility for the energy rate in your area
COST PER KILOWATT HOUR

Important Removal of this label before consumer purchase is a violation of federal law. (42 U.S.C. 6302)

6011120

WHAT PLAN MAKES THE MOST SENSE?

PLAN A

- Continue to consume fossil fuels
- Pay escalating utility bills
- Keep contributing to global warming
- Increase dependency on foreign oil
- Ensure the u.s. remains the world leader in wasting fossil fuels
- Ignore the facts of the world's energy crisis



PLAN B

- Reduce your utility bills
- Take advantage of federal tax credits
- Reduce dependency on foreign oil
- Reduce emissions
- Invest in renewable energy
- Increase the value of your home

*Accomplish all of this
without affecting
your budget!*



THE SOLUTION IS



SIMPLE

-  **LOWER YOUR ENERGY CONSUMPTION**
-  **INCREASE YOUR PROPERTY VALUE**
-  **DECREASE YOUR CARBON FOOTPRINT**
-  **LOWER DEPENDENCY ON FOREIGN OIL**

HELP YOU KEEP YOUR MONEY!

NOW IT'S UP TO YOU!

