

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

Case No. 2010-00089

The Semi-Annual Report of the KERR Pilot
Period ending 12/15/2012

Grayson Rural Electric Cooperative Corporation

109 Bagby Park • Grayson, KY 41143-1292
Telephone 606-474-5136 • 1-800-562-3532 • Fax 606-474-5862

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PUBLIC SERVICE
COMMISSION

December 17, 2012

Mr. Jeff Derouen, Executive Director
Public Service Commission of Kentucky
211 Sower Boulevard
P O Box 615
Frankfort, KY 40602

RE: Case No. 2010-00089 – Semi-Annual Reporting

Dear Mr. Rouen:

Attached is the semi-annual reporting of the activities of the Kentucky Energy Retrofit Rider program participants (Fleming Mason, Jackson Energy, Big Sandy Rural Electric, and Grayson Rural Electric).

Please note our Petition for Confidentiality treatment for Conservation Plans and a redacted copy of the Conservation Plans.

Respectfully submitted,



Don M. Combs
Mgr. Finance and Accounting

**PETITION FOR CONFIDENTIALITY TREATMENT
BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION
CASE NO. 2010-00089**

Comes now Grayson Rural Electric Cooperative Corporation, Petitioner herein, and petitions the Commission for entry of an order treating as confidential and unavailable for examination by the public, certain materials set forth in the conservation plans of Grayson Rural Electric Cooperative Corporation, Jackson Energy Cooperative, Big Sandy Rural Electric Cooperative and Fleming Mason Energy Cooperative, participants in the pilot program known as Kentucky Energy Retrofit Rider.

In support of this petition the Petitioner states that attached hereto are sufficient copies under 807 KAR 5:001, of the material with those portions obscured for which confidentiality is sought and one copy of the material identifying the information which, unless deleted, would discuss confidential material.

The information sought to be deleted is the information on the conservation plan attachments setting forth the name, phone number, and other personal identifying characteristics of the customer information.

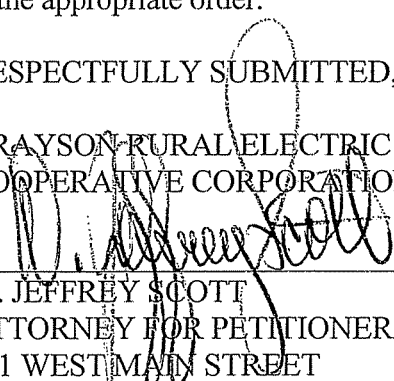
The information referred to hereinabove for which confidentiality is sought, is information of a personal nature where the public disclosure thereof would constitute a clearly unwarranted invasion of personal privacy.

WHEREFORE, the Petitioner prays for the appropriate order.

RESPECTFULLY SUBMITTED,

GRAYSON RURAL ELECTRIC
COOPERATIVE CORPORATION

BY: _____


W. JEFFREY SCOTT
ATTORNEY FOR PETITIONER
311 WEST MAIN STREET
P.O. BOX 608
GRAYSON, KY 41143
(606) 474-5194



In the Matter of:

JOINT APPLICATION OF BIG SANDY)
 RURAL ELECTRIC COOPERATIVE)
 ENERGY COOPERATIVE, INC.,)
 GRAYSON RURAL ELECTRIC)
 COOPERATIVE CORPORATION,) CASE NO. 2010-00089
 AND JACKSON ENERGY)
 COOPERATIVE FOR AN ORDER)
 PILOT PROGRAM TITLED THE "KY)
 ENERGY RETROFIT RIDER")

Semi Annual Reporting

Big Sandy Rural Electric Cooperative Corporation, Fleming-Mason Energy Cooperative, Inc., Grayson Rural Electric Cooperative Corporation, and Jackson Energy Cooperative (collectively "Joint Applicants") hereby file their fourth and final report on the approved pilot program pursuant to the Commission's December 16, 2010 Order.

The Joint Applicants and the Mountain Association for Community Economic Development (MACED) have the program known as the KERR pilot (marketed as How\$martKY) fully underway. During the reporting period of 6/1/2012 through 12/14/12, 79 assessments were completed, of which 44 moved forward. Thirty-one retrofits were fully completed and the other 7 were in process as of 12/14/2012. Customer response has been positive so far.

Data Report for the period 6/1/2012 through 12/14/2012:

<u>6/1/12 through 12/10/12</u>	Big Sandy	Fleming Mason	Grayson	Jackson	TOTAL (for this period)
Number of homes that have completed an energy assessment	21	21	10	27	79
Number of homes in the retrofit pipeline	6	7	5	7	25
Number of homes that have completed a retrofit	7	7	5	12	31
New Participants this period	21	21	10	27	44
Defaults*	0	0	0	0	0

	Total for 31 jobs in period	Average/Job for 31 jobs in period
Capital deployed for 31 retrofits	\$181,508	\$5,855
Total EE Investment for 31 retrofits	\$245,350	\$7,914
Projected* kWh Savings (yr) for 31 retrofits	172,491	5564
Projected \$\$\$ Savings (mo) for 31 retrofits	\$1,618	\$52
How\$martKY Charge (mo) for 31 retrofits	\$1,253	\$40

Above are statistics on of the 31 retrofits completed in the period. All of the back-office paperwork for these 31 retrofits is complete. Note that total investment figures were greater than total capital deployed during the period because many customers were able to take advantage of utility rebates and in a few cases, customers did a buy-down. The total number of projects completed this period is somewhat lower than previous reporting periods. We believe the slight slowdown is a result in the end of Recovery Act-funded Kentucky Home Performance rebates, as well as the seasonal downturn experienced during warmer weather. Interest in the program has grown again as we approach the heating season.

Though the initial pilot phase has come to a close, MACED will continue to support the co-ops savings and usage analysis of participating customers. As additional data is collected over the heating season, program staff will better be able to report actual savings as compared to project savings.

Several retrofits have encountered challenges that warrant program staff's attention; thus far, the safeguards embedded in the program's design have continued to work as planned and these properties are not yet in a true "default" situation. We highlight them here to bring attention to backstop measures inherent in the program's design:

- Big Sandy RECC has a property in foreclosure; however it is still occupied and current on electric service. Thus, the KERR charge is still being repaid.
- Jackson Energy has a property destroyed by a house fire. Electric service was terminated for a month, but has been restarted as the owners carry out repairs and rebuilding work. The KERR charge is being repaid as part of electric service.
- Jackson Energy also has a property where the primary account holder passed away prior to full repayment of the KERR charge. However, the spouse remains in the property and is also a signatory to the KERR agreement. The KERR charge continues to be paid as part of electric service.
- Grayson Electric has a property at risk of entering into default, but has not passed the 12-month grace period stipulated in the program design. The property is in foreclosure; but if it becomes occupied and electric service is restored, repayment for the KERR charge will resume. In the

interim period while the meter is dark, KERR repayments are interest-only and assumed by Grayson per the terms of the program design.

Additional Program Funding:

The initial pilot period approved in the December 16, 2010 Order closes December 14, 2012. Grayson RECC, Fleming-Mason Energy, Big Sandy RECC and MACED have filed an application for a Permanent Tariff (Case No. 2012-00484) and the funding stream for operation of a permanent program continues to be finalized as part of that case. It will likely include a combination of private philanthropic dollars, program fees, and public money.

Attachments

- List of approved contractors
- Copies of Assessments performed during period

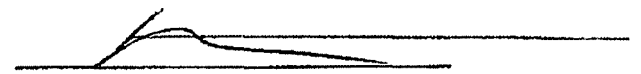
Respectfully submitted by:



Big Sandy RECC



Fleming-Mason RECC



Grayson RECC

Rodney Chrisman

Jackson Energy

⊙

All Contractors

Company	Adams Refrigeration			Fleming	E-mail Address	adamsref1@windstream.net	
Address	220 S. Main Cross Street				Business Phone	(606) 845-7921	
	Flemingsburg	KY	41041		Other Phone		
Contact Name	Steve		Adams		Fax Number		
Contact Title	Owner				Mobile Phone	(606) 748-0581	
					Web Page		
	Notes				Employees		3
	Fleming Mason Electric				Coops In Service Area	Fleming Mason Energy	
	HVAC contractor						
	3 PTE's						
Company	All Temp Heating and Cooling			Carter	E-mail Address	bjroe@windstream.net	
Address	491 Fighting Fork				Business Phone	(606) 474-0273	
	Grayson	KY	41143		Other Phone		
Contact Name	Billy		Roe		Fax Number		
Contact Title	Owner				Mobile Phone	(606) 225-0271	
					Web Page		
	Notes				Employees		2
	Grayson Rural Electric				Coops In Service Area	Grayson RECC	
	HVAC contractor						
	2 FTE's						
	1 PTE						
Company	Climate Pro Heating and Air				E-mail Address		
Address	PO Box 384 US Hwy 421				Business Phone	(606) 287-2337	
	Gray Hawk	Ky	40434		Other Phone		
Contact Name					Fax Number		
Contact Title					Mobile Phone		
					Web Page		
	Notes				Employees		3
					Coops In Service Area	Jackson Energy	

Company	Eagle Rock Insulation, LLC			E-mail Address	randylake99@yahoo.com
Address			Madison	Business Phone	(859) 661-6280
	Berea	Ky	40403	Other Phone	
Contact Name	Randy		Lake	Fax Number	(606) 256-9649
Contact Title				Mobile Phone	
				Web Page	
	Notes			Employees	5
	Spray Foam			Coops In Service Area	Jackson Energy
	Bat				
	Cellulose				
Company	General Heat & A/C Inc.			E-mail Address	chankins@ghacinc.com
Address	PO Box 964		Greenup	Business Phone	(606) 836-8143
	Flatwoods	KY	41139	Other Phone	
Contact Name	Calvin		Hankins	Fax Number	
Contact Title	Sales			Mobile Phone	(606) 232-0739
				Web Page	www.ghacinc.com
	Notes			Employees	40
	Grayson HVAC contractor			Coops In Service Area	Grayson RECC
Company	Green Box Heating & Air			E-mail Address	gwen@greenboxair.com
Address	1060 Elizabeth St #18			Business Phone	(859) 885-1234
				Other Phone	(859) 885-1234
Contact Name	Gwen		Riley	Fax Number	
Contact Title				Mobile Phone	(859) 536-4102
				Web Page	
	Notes			Employees	17
	HVAC			Coops In Service Area	Jackson Energy
	Spray Foam				
	Cellulose				
	Bat				
	Air Seal				
	Mositure Barrier				
Company	Jefferson Heating/Air Inc.			E-mail Address	donald@jeffersonhvac.com
Address	5013 Murphysville Rd.		Mason	Business Phone	(606) 759-7030
	Maysville	KY	41056	Other Phone	
Contact Name	Donald		Jefferson	Fax Number	
Contact Title	Owner			Mobile Phone	(606) 584-0253
				Web Page	
	Notes			Employees	6
	Fleming Mason Electric			Coops In Service Area	Fleming Mason Energy
	HVAC contractor				
	6 FTE's				
	0 PTE's				

Company	KY Wide HVAC			E-mail Address	jamieblair@hotmail.com
Address	7020 Main Street		Johnson	Business Phone	(606) 789-5334
	P.O. Box 384			Other Phone	
	Thelma	KY	41260	Fax Number	
Contact Name	Jamie		Blair	Mobile Phone	(606) 424-5684
Contact Title	Owner			Web Page	
	Notes			Employees	4
	G.C. for Big Sandy			Coops In Service Area	Big Sandy RECC
	4 FTE's				
	3 PTE's				
Company	Leo Jones & Son Inc			E-mail Address	
Address	2001 North Main St			Business Phone	(606) 864-6105
	London	Ky	40741	Other Phone	
Contact Name	Ron		Jones	Fax Number	
Contact Title				Mobile Phone	
	Notes			Web Page	
				Employees	15
				Coops In Service Area	Jackson Energy
Company	Mabry's Heating and Cooling			E-mail Address	
Address	2423 Greenbriar Road		Carter	Business Phone	(606) 776-4846
	Olive Hill	KY	41164	Other Phone	
Contact Name	Victor		Mabry	Fax Number	
Contact Title	Owner			Mobile Phone	(606) 286-6007
	Notes			Web Page	
	Grayson HVAC contractor			Employees	2
				Coops In Service Area	Grayson RECC (main)
					Fleming Mason Energy
					Big Sandy RECC
					(optional)
Company	People's Self Help Housing			E-mail Address	greg@pshhinc.org
Address	307 KY 59		Lewis	Business Phone	(606) 796-0811
	Vanceburg	KY	41179	Other Phone	(606) 796-0811
Contact Name	Greg		Miller	Fax Number	
Contact Title	Director of Design and Construction Technology			Mobile Phone	
	Notes			Web Page	http://www.pshhinc.org/
	General and HVAC contracting			Employees	21
	BPI certified			Coops In Service Area	Fleming Mason
					(Lewis County only)

Company	S&K Sales & Service, Inc.			E-mail Address	
Address	7341 Morehead Road		Fleming	Business Phone	(606) 782-0081
	Flemingsburg	KY	41041	Other Phone	
Contact Name	Kenny		Gooding	Fax Number	
Contact Title	Owner			Mobile Phone	(606) 782-0081
				Web Page	
	Notes			Employees	4
	Fleming Mason HVAC contractor			Coops In Service Area	Fleming Mason Energy
Company	Smith Insulation Corporation			E-mail Address	jsmith1596@me.com
Address	1596 Pecks Ridge Tilton Rd		Fleming	Business Phone	(606) 849-9709
	Hillsboro	KY	41049	Other Phone	
Contact Name	John		Smith	Fax Number	
Contact Title	Owner			Mobile Phone	(606) 776-0664
				Web Page	www.smithinsulationky.com
	Notes			Employees	2
	Fleming Mason Energy Grayson Rural Electric Insulation contractor 2 FTE's 0 PTE's			Coops In Service Area	Fleming Mason Energy Grayson RECC Big Sandy RECC
Company	Thoroughbred Insulation			E-mail Address	kennyhunt@tinsulation.com
Address	1645 Beechtree Pike		Fleming	Business Phone	(606) 849-4443
	Flemingsburg	KY	41041	Other Phone	
Contact Name	Kenny		Hunt	Fax Number	
Contact Title	Owner			Mobile Phone	(606) 776-4133
				Web Page	www.tinsulation.com
	Notes			Employees	3
	Fleming Mason Electric Grayson Rural Electric Insulation contractor 3 PTE's			Coops In Service Area	Fleming Mason Energy
Company	TRI - County Mobile Home Parts			E-mail Address	
Address	PO Box 299			Business Phone	(606) 862-9750
	Corbin	Ky	40702	Other Phone	(606) 862-9750
Contact Name	Michael		Trett	Fax Number	
Contact Title	Owner			Mobile Phone	(606) 521-1247
				Web Page	
	Notes			Employees	8
				Coops In Service Area	Jackson Energy

Company Unlimited Insulation
Address 1209 W. 5th St
London Ky 40741

Contact Name Mike

Contact Title

Notes

E-mail Address

Business Phone (606) 864-0971

Other Phone

Fax Number

Mobile Phone (606) 682-9821

Web Page

Employees

4

Coops In Service Area Jackson Energy

Company Yoder's Heating & Cooling, L.L.C.
Address 50 Oakwood Branch Knott
Leburn KY 41831

Contact Name Alvin Yoder

Contact Title Owner

Notes

Big Sandy HVAC contractor

E-mail Address

Business Phone (606) 438-3601

Other Phone

Fax Number (606) 785-0471

Mobile Phone (606) 438-3601

Web Page

Employees

3

Coops In Service Area Big Sandy RECC

Number of Contractors:

17





Big Sandy RECC
The electric company of the people

Location ID:	114019
Name	Tina Cantrell
OwnerName	
Phone	(606) 265-3330
Assessor	Chris Woolery
Date	5/31/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	21,500 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	691 kWh	0 kBTU	0 kBTU	
Base	7500 kWh	0 kBTU	0 kBTU	
Total (yr)	29,691 kWh	0 kBTU	0 kBTU	0 kBTU
	27800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Replace HVAC Heating with New HVAC Heating System.
Install Programmable Thermostat.
Replace and Seal Duct Work to 10% of fan capacity.
Replace HVAC Cooling with New HVAC Cooling System.
Reduce whole house air leakage from 11257 to 4000 cfm50.
Add Vaulted Ceiling Insulation.
Add Rim Joist Insulation.
Add Crawlspace Wall Insulation.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
9000 kWh (Elec)	7,109 kWh (Elec)	7,109 kWh	0.11 /kWh	\$782
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$65
before monthly HowSmart Charge

Financing

\$9,590.00 Cost of Improvements (est):
\$0.00 Kentucky Home Performance
\$2,000.00 Customer Contribution

\$7,590.00 Utility Contribution
\$8,026 Not to Exceed Amount (90% of Savings)
@ 3%
over 15 years
\$55 Monthly Charge
84% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$55	\$59		
Capital Investment	\$7,590	\$8,026		
Project Fee(s)	4.50% \$342	\$361	Payback Period (years)	15
Capital Fee	0.50% \$38	\$40	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,975</u>	<u>\$2,170</u>		
Total Cost over life of payback	\$9,906	\$10,557		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____





Location ID:	157075
Name	Flat Gap Baptist Church
OwnerName	
Phone	(606) 265-3256
Assessor	Chris Woolery
Date	11/1/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	11,700 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	126 kWh	0 kBTU	0 kBTU	
Base	9600 kWh	0 kBTU	0 kBTU	
Total (yr)	21,426 kWh	0 kBTU	0 kBTU	0 kBTU
	20900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Crawlspace Wall Insulation.
- Add Rim Joist Insulation.
- Add Insulation in attic to 15" total from existing.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Reduce total building leakage rate to 4500 cfm50 if possible.
- Air seal exterior doors by adjustment or weather stripping.
- Air seal wiring and plumbing penetrations from crawl and attic

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4570 kWh (Elec)	4,044 kWh (Elec)	4,044 kWh	0.11 /kWh	\$445
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$37

before monthly HowSmart Charge

Financing

\$6,363.00 **Cost of Improvements (est):**

\$4,363.00 **Utility Contribution**

\$4,565 Not to Exceed Amount (90% of Savings)

\$2,000.00 **Customer Contribution**

@ 3%
over 15 years

\$32 Monthly Charge

85% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostats and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$32	\$33		
Capital Investment	\$4,363	\$4,565		
Project Fee(s)	4.50% \$196	\$205	Payback Period (years)	15
Capital Fee	0.50% \$22	\$23	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,135</u>	<u>\$1,234</u>		
Total Cost over life of payback	\$5,695	\$6,005		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Big Sandy RECC
The electric company of the people

Location ID:	177033
Name	James Nickell
OwnerName	
Phone	(606) 793-2835
Assessor	Chris Woolery
Date	9/20/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	10,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	592 kWh	0 kBTU	0 kBTU	
Base	11000 kWh	0 kBTU	0 kBTU	
Total (yr)	21,992 kWh	0 kBTU	0 kBTU	0 kBTU
	21600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Crawlspace Wall Insulation.
- Add Rim Joist Insulation.
- Add Vaulted Ceiling Insulation.
- Clean Coils, Check Air Flow, Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Reduce whole house leakage rate to 2500 if possible
- Install attic access and two knee wall doors.
- Install timer on pool pump

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4998 kWh (Elec)	4,606 kWh (Elec)	4,606 kWh	0.11 /kWh	\$507
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$42

before monthly HowSmart Charge

Financing

\$5,000.00 **Cost of Improvements (est):**

\$0.00 **Customer Contribution**

\$5,000.00 **Utility Contribution**

\$5,200 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$36 Monthly Charge

86% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$38		
Capital Investment	\$5,000	\$5,200		
Project Fee(s)	4.50% \$225	\$234	Payback Period (years)	15
Capital Fee	0.50% \$25	\$26	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,301</u>	<u>\$1,406</u>		
Total Cost over life of payback	\$6,526	\$6,840		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Big Sandy RECC
The electric company of the people

Location ID:	257006
Name	Kathy Haven
OwnerName	
Phone	(606) 793-1867
Assessor	Chris Woolery
Date	4/19/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	754 kWh	0 kBTU	0 kBTU	
Base	7260 kWh	0 kBTU	0 kBTU	
Total (yr)	20,114 kWh	0 kBTU	0 kBTU	0 kBTU
	20100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 3000 cfm50 if possible.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install R-19 insulation in floor.
- Install Programmable Thermostat.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6221 kWh (Elec)	6,207 kWh (Elec)	6,207 kWh	0.11 /kWh	\$683
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

\$8,250.00 **Cost of Improvements (est):**

\$7,000.00 **Utility Contribution**

\$1,250.00 **Customer Contribution**

\$7,007 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$51 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$51		
Capital Investment	\$7,000	\$7,007		
Project Fee(s)	4.50% \$315	\$315	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,821</u>	<u>\$1,895</u>		
Total Cost over life of payback	\$9,136	\$9,217		

Account Holder: _____
print name
Date: _____

Owner: _____
print name
Date: _____



Big Sandy RECC
The electric company of the people

Location ID:	257093
Name	William Maxey
OwnerName	
Phone	(606) 297-6632
Assessor	Chris Woolery
Date	6/28/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	10,900 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	364 kWh	0 kBTU	0 kBTU	
Base	10200 kWh	0 kBTU	0 kBTU	
Total (yr)	21,464 kWh	0 kBTU	0 kBTU	0 kBTU
	21500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install R-19 insulation in floor.
- Reduce whole house leakage from 2670 to 2000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5725 kWh (Elec)	5,761 kWh (Elec)	5,761 kWh	0.11 /kWh	\$634
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$53
before monthly How\$mart Charge

Financing

\$6,380.00 **Cost of Improvements (est):**

\$5,680.00 **Utility Contribution**

\$700.00 **Rebates - Utility**

\$6,504 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$41 Monthly Charge

78% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$41	\$48		
Capital Investment	\$5,680	\$6,504		
Project Fee(s)	4.50% \$256	\$293	Payback Period (years)	15
Capital Fee	0.50% \$28	\$33	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,478</u>	<u>\$1,759</u>		
Total Cost over life of payback	\$7,414	\$8,555		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Big Sandy RECC
The electric company of the people

Location ID:	436048
Name	Marcus Conley
OwnerName	
Phone	(606) 297-6275
Assessor	Chris Woolery
Date	10/11/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	16,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	5810 kWh	0 kBTU	0 kBTU	
Base	19900 kWh	0 kBTU	0 kBTU	
Total (yr)	41,810 kWh	0 kBTU	0 kBTU	0 kBTU
	41800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Add Rim Joist Insulation.
Replace HVAC Heating with New HVAC Heating System.
Install Programmable Thermostat.
Seal Duct Work to 10% of fan capacity. Panned returns in crawl.
Replace HVAC Cooling with New HVAC Cooling System.
Seal to a leakage rate in the range of 1660 - 2710 cfm50 if possible.
Seal edges and seams of existing foam board, install vapor barrier.
Add Insulation to Attic Knee Wall.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
10548 kWh (Elec)	10,538 kWh (Elec)	10,538 kWh	0.11 /kWh	\$1,159
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$97
before monthly How\$mart Charge

Financing

\$10,117.34 **Cost of Improvements (est):**

\$0.00 **Customer Contribution**

\$10,117.34 **Utility Contribution**

\$11,897 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$73 Monthly Charge

76% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$73	\$87		
Capital Investment	\$10,117	\$11,897		
Project Fee(s)	4.50% \$455	\$535	Payback Period (years)	15
Capital Fee	0.50% \$51	\$59	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,633</u>	<u>\$3,217</u>		
Total Cost over life of payback	\$13,205	\$15,649		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Big Sandy RECC
The electric company of the people

Location ID:	535305
Name	Tim Green
OwnerName	
Phone	(606) 789-8015
Assessor	Chris Woolery
Date	8/30/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	11,200 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1830 kWh	0 kBTU	0 kBTU	
Base	12600 kWh	0 kBTU	0 kBTU	
Total (yr)	25,630 kWh	0 kBTU	0 kBTU	0 kBTU
	25400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Air seal all exterior doors

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7128 kWh (Elec)	6,898 kWh (Elec)	6,898 kWh	0.11 /kWh	\$759
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$63
before monthly How\$mart Charge

Financing

\$7,604.81 **Cost of Improvements (est):**

\$0.00 **Customer Contribution**

\$7,604.81 **Utility Contribution**

\$7,787 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$55 Monthly Charge

87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$55	\$57		
Capital Investment	\$7,605	\$7,787		
Project Fee(s)	4.50% \$342	\$350	Payback Period (years)	15
Capital Fee	0.50% \$38	\$39	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,979</u>	<u>\$2,106</u>		
Total Cost over life of payback	\$9,926	\$10,244		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	737017
Name	Pam Lawson
OwnerName	
Phone	(606) 331-2593
Assessor	Chris Woolery
Date	3/15/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,520 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1450 kWh	0 kBTU	0 kBTU	
Base	21000 kWh	0 kBTU	0 kBTU	
Total (yr)	30,970 kWh	0 kBTU	0 kBTU	0 kBTU
	30900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal ducts and penetrations in subfloor before repairing belly insulation.
- Seal plugs and switches on exterior walls with foam inserts and caulking.
- Remove a/c window unit and bracket.
- Weatherstrip back door.
- Install R-19 insulation in floor.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce house leakage to 1600 cfm50.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5229 kWh (Elec)	5,159 kWh (Elec)	5,159 kWh	0.11 /kWh	\$567
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly HowSmart Charge

Financing

\$6,873.00 Cost of Improvements (est):

\$550.00 Customer Contribution

\$500.00 Rebates - Utility

\$5,823.00 Utility Contribution

\$5,824 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$42 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostats and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$42	\$43		
Capital Investment	\$5,823	\$5,824		
Project Fee(s)	4.50% \$262	\$262	Payback Period (years)	15
Capital Fee	0.50% \$29	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,515</u>	<u>\$1,575</u>		
Total Cost over life of payback	\$7,600	\$7,661		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Big Sandy RECC
The electric company of the people

Location ID:	749045
Name	Paul Thompson
OwnerName	
Phone	(606) 886-1561
Assessor	Chris Woolery
Date	7/19/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,980 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	409 kWh	0 kBTU	0 kBTU	
Base	16200 kWh	0 kBTU	0 kBTU	
Total (yr)	25,589 kWh	0 kBTU	0 kBTU	0 kBTU
	25400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Reduce whole house air leakage from 2695 to 1800 cfm50 if possible.

Add Rim Joist Insulation.

Install six inches closed cell spray foam insulation in floor.

Install Programmable Thermostat.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2902 kWh (Elec)	2,713 kWh (Elec)	2,713 kWh	0.11 /kWh	\$298
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$25

before monthly HowSmart Charge

Financing

\$4,308.00 **Cost of Improvements (est):**

\$0.00 **Kentucky Home Performance**

\$1,300.00 **Customer Contribution**

\$3,008.00 **Utility Contribution**

\$3,063 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$22 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$22	\$22		
Capital Investment	\$3,008	\$3,063		
Project Fee(s)	4.50%	\$135	\$138	Payback Period (years) 15
Capital Fee	0.50%	\$15	\$15	Cost of Capital 3%
Total Interest over life of payback	<u>\$783</u>	<u>\$828</u>		
Total Cost over life of payback	\$3,926	\$4,029		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Big Sandy RECC
The electric company of the people

Location ID:	874183
Name	Benita McKenzie
OwnerName	
Phone	(606) 263-4385
Assessor	Chris Woolery
Date	7/5/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,780 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	266 kWh	0 kBTU	0 kBTU	
Base	8800 kWh	0 kBTU	0 kBTU	
Total (yr)	15,846 kWh	0 kBTU	0 kBTU	0 kBTU
	15900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce house leakage from 2490 to 1900 cfm50 if possible

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3637 kWh (Elec)	3,691 kWh (Elec)	3,691 kWh	0.11 /kWh	\$406
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$34
before monthly HowSmart Charge

Financing

\$4,992.00 **Cost of Improvements (est):**

\$350.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$4,142.00 **Utility Contribution**

\$4,167 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$30 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$30	\$30		
Capital Investment	\$4,142	\$4,167		
Project Fee(s)	4.50% \$186	\$188	Payback Period (years)	15
Capital Fee	0.50% \$21	\$21	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,078</u>	<u>\$1,127</u>		
Total Cost over life of payback	\$5,406	\$5,481		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	200648065
Name	Danny Ruark
OwnerName	
Phone	(606) 375-5476
Assessor	Chris Woolery
Date	7/16/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	5,490 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	996 kWh	0 kBTU	0 kBTU	
Base	15400 kWh	0 kBTU	0 kBTU	
Total (yr)	21,886 kWh	0 kBTU	0 kBTU	0 kBTU
	21200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 1306 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2948 kWh (Elec)	2,262 kWh (Elec)	2,262 kWh	0.11 /kWh	\$249
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$21
before monthly HowSmart Charge

Financing

\$7,600.00	Cost of Improvements (est):	\$2,500.00	Utility Contribution
		\$2,554	Not to Exceed Amount (90% of Savings)
\$4,600.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility	over 15 years	
		\$18	Monthly Charge
		87%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostats and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$18	\$19		
Capital Investment	\$2,500	\$2,554		
Project Fee(s)	4.50%	\$113	\$115	Payback Period (years) 15
Capital Fee	0.50%	\$13	\$13	Cost of Capital 3%
Total Interest over life of payback	<u>\$650</u>	<u>\$690</u>		
Total Cost over life of payback	\$3,263	\$3,359		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	200772009
Name	Chris Spencer
OwnerName	
Phone	(606) 584-6911
Assessor	Chris Woolery
Date	11/19/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	13,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	3250 kWh	0 kBTU	0 kBTU	
Base	13400 kWh	0 kBTU	0 kBTU	
Total (yr)	30,050 kWh	0 kBTU	0 kBTU	0 kBTU
	29500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Reduce house leakage from 4235 to 3200 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add 2" spray foam insulation to rim joists.
- Add 5.5" spray foam insulation to roof deck and gable ends.
- Air seal and insulate attic access panel.
- Air seal tub with caulk at all edges and seams.
- Air seal basement door by adjusting strike plate and/or installing new weatherstrip.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
8075 kWh (Elec)	7,525 kWh (Elec)	7,525 kWh	0.11 /kWh	\$828
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$69
before monthly HowSmart Charge

Financing

\$13,433.00 **Cost of Improvements (est):**

\$8,433.00 **Utility Contribution**

\$5,000.00 **Customer Contribution**

\$8,495 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$61 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$61	\$62		
Capital Investment	\$8,433	\$8,495		
Project Fee(s)	4.50% \$379	\$382	Payback Period (years)	15
Capital Fee	0.50% \$42	\$42	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,194</u>	<u>\$2,297</u>		
Total Cost over life of payback	\$11,007	\$11,175		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	220436007
Name	Mary McClurg
OwnerName	
Phone	(606) 796-3378
Assessor	Chris Woolery
Date	8/13/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,960 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	840 kWh	0 kBTU	0 kBTU	
Base	8660 kWh	0 kBTU	0 kBTU	
Total (yr)	18,460 kWh	0 kBTU	0 kBTU	0 kBTU
	18400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4978 kWh (Elec)	4,918 kWh (Elec)	4,918 kWh	0.11 /kWh	\$541
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$45
before monthly How\$mart Charge

Financing

\$8,162.00 Cost of Improvements (est):

\$2,120.00 Customer Contribution

\$500.00 Rebates - Utility - Resistance Hea

\$5,542.00 Utility Contribution

\$5,552 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$41		
Capital Investment	\$5,542	\$5,552		
Project Fee(s)	4.50% \$249	\$250	Payback Period (years)	15
Capital Fee	0.50% \$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,442</u>	<u>\$1,501</u>		
Total Cost over life of payback	\$7,233	\$7,303		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	250657016
Name	Christy Lee Earlywine
OwnerName	
Phone	(606) 748-5132
Assessor	Chris Woolery
Date	7/2/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	11,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	304 kWh	0 kBTU	0 kBTU	
Base	7850 kWh	0 kBTU	0 kBTU	
Total (yr)	19,254 kWh	0 kBTU	0 kBTU	0 kBTU
	18800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add Rim Joist Insulation.
- Add Crawlspace Wall Insulation.
- Add Vaulted Ceiling Insulation.
- Reduce whole house leakage from 5170 to 4000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5764 kWh (Elec)	5,310 kWh (Elec)	5,310 kWh	0.11 /kWh	\$584
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$49
before monthly HowSmart Charge

Financing

\$14,019.00 **Cost of Improvements (est):**

\$5,494.00 **Utility Contribution**

\$8,025.00 **Customer Contribution**

\$5,995 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 15 years

\$40 Monthly Charge

82% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$44		
Capital Investment	\$5,494	\$5,995		
Project Fee(s)	4.50% \$247	\$270	Payback Period (years)	15
Capital Fee	0.50% \$27	\$30	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,430</u>	<u>\$1,621</u>		
Total Cost over life of payback	\$7,171	\$7,885		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	260555041
Name	Sandra Collins
OwnerName	
Phone	(606) 845-0556
Assessor	Chris Woolery
Date	6/25/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	18,200 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	836 kWh	0 kBTU	0 kBTU	
Base	10500 kWh	0 kBTU	0 kBTU	
Total (yr)	29,536 kWh	0 kBTU	0 kBTU	0 kBTU
	29500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Reduce whole house leakage from 4900 to 3900 cfm50 if possible.

Replace HVAC Heating with New Geothermal Heating System.

Install Programmable Thermostat.

Seal Duct Work to 10% of fan capacity.

Replace HVAC Cooling with New Geothermal Cooling System.

Add Insulation to Attic Knee Wall.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
14636 kWh (Elec)	14,600 kWh (Elec)	14,600 kWh	0.11 /kWh	\$1,606
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$134
before monthly How\$mart Charge

Financing

\$22,600.00 **Cost of Improvements (est):**

\$1,800.00 **Utility Contribution**

\$16,483 Not to Exceed Amount (90% of Savings)

\$20,800.00 **Customer Paid for Item(s)**

@ 3%
over 15 years

\$13 Monthly Charge

10% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$13	\$120		
Capital Investment	\$1,800	\$16,483		
Project Fee(s)	4.50% \$81	\$742	Payback Period (years)	15
Capital Fee	0.50% \$9	\$82	Cost of Capital	3%
Total Interest over life of payback	<u>\$468</u>	<u>\$4,457</u>		
Total Cost over life of payback	\$2,349	\$21,681		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	260764033
Name	Jeremy McCleese
OwnerName	
Phone	(606) 748-5299
Assessor	Chris Woolery
Date	11/19/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,960 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	377 kWh	0 kBTU	0 kBTU	
Base	14400 kWh	0 kBTU	0 kBTU	
Total (yr)	21,737 kWh	0 kBTU	0 kBTU	0 kBTU
	21500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add 5.5" spray foam insulation to roof decking.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Air seal and insulate attic access
- Air seal back (laundry) door.
- Air seal behind grill at whirlpool tub motor.
- Air seal to a new leakage rate below 2400 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1873 kWh (Elec)	1,636 kWh (Elec)	1,636 kWh	0.11 /kWh	\$180
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$15
before monthly HowSmart Charge

Financing

\$3,100.00 **Cost of Improvements (est):**

\$1,300.00 **Customer Contribution**

\$1,800.00 **Utility Contribution**

\$1,847 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$13 Monthly Charge

87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$13	\$13		
Capital Investment	\$1,800	\$1,847		
Project Fee(s)	4.50% \$81	\$83	Payback Period (years)	15
Capital Fee	0.50% \$9	\$9	Cost of Capital	3%
Total Interest over life of payback	<u>\$468</u>	<u>\$499</u>		
Total Cost over life of payback	\$2,349	\$2,429		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	260866057
Name	Larry Watson
OwnerName	
Phone	(513) 315-8930
Assessor	Chris Woolery
Date	6/4/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,290 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	953 kWh	0 kBTU	0 kBTU	
Base	7010 kWh	0 kBTU	0 kBTU	
Total (yr)	14,253 kWh	0 kBTU	0 kBTU	0 kBTU
	14300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Replace HVAC Cooling with New HVAC Cooling System.

Install Programmable Thermostat.

Replace HVAC Heating with New HVAC Heating System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4859 kWh (Elec)	4,906 kWh (Elec)	4,906 kWh	0.11 /kWh	\$540
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$45
before monthly HowSmart Charge

Financing

\$7,500.00 **Cost of Improvements (est):**

\$5,500.00 **Utility Contribution**

\$2,000.00 **Customer Contribution**

\$5,539 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$40		
Capital Investment	\$5,500	\$5,539		
Project Fee(s)	4.50% \$248	\$249	Payback Period (years)	15
Capital Fee	0.50% \$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,431</u>	<u>\$1,498</u>		
Total Cost over life of payback	\$7,179	\$7,285		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	270774070
Name	Jeff Carpenter
OwnerName	
Phone	(606) 748-1695
Assessor	Chris Woolery
Date	8/13/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	11,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	875 kWh	0 kBTU	0 kBTU	
Base	7470 kWh	0 kBTU	0 kBTU	
Total (yr)	19,745 kWh	0 kBTU	0 kBTU	0 kBTU
	19600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Crawlspace Wall Insulation.
- Add 5.5" spray foam insulation to attic decking behind knee walls
- Add Rim Joist Insulation.
- Reduce whole house leakage to around 4000 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6381 kWh (Elec)	6,236 kWh (Elec)	6,236 kWh	0.11 /kWh	\$686
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly How\$mart Charge

Financing

\$9,748.00	Cost of Improvements (est):	\$7,033.16	Utility Contribution
		\$7,040	Not to Exceed Amount (90% of Savings)
\$1,900.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility - Resistance Hea	over 15	years
\$314.84	Rebates - Utility - btu reduction	\$51	Monthly Charge
		89%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$51		
Capital Investment	\$7,033	\$7,040		
Project Fee(s)	4.50% \$316	\$317	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,830</u>	<u>\$1,904</u>		
Total Cost over life of payback	\$9,180	\$9,260		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	270878013
Name	Dewey Gulley
OwnerName	
Phone	(606) 748-8721
Assessor	Chris Woolery
Date	10/1/2012

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	8,380 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	435 kWh	0 kBTU	0 kBTU	
	Base	10300 kWh	0 kBTU	0 kBTU	
=	Total (yr)	19,115 kWh	0 kBTU	0 kBTU	0 kBTU
		18900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Rim Joist Insulation.
- Reduce whole house leakage rate to 1300 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add Crawlspace Wall Insulation.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5136 kWh (Elec)	4,921 kWh (Elec)	4,921 kWh	0.11 /kWh	\$541
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$45
before monthly HowSmart Charge

Financing

\$8,300.00 Cost of Improvements (est):
\$2,250.00 Customer Contribution
\$500.00 Rebates - Utility

\$5,550.00 Utility Contribution
\$5,556 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$41		
Capital Investment	\$5,550	\$5,556		
Project Fee(s)	4.50% \$250	\$250	Payback Period (years)	15
Capital Fee	0.50% \$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,444</u>	<u>\$1,502</u>		
Total Cost over life of payback	\$7,244	\$7,308		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	390206039
Name	Michelle Johnson
OwnerName	
Phone	(606) 780-4956
Assessor	Chris Woolery
Date	9/20/2012

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	11,200 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	676 kWh	0 kBTU	0 kBTU	
	Base	13800 kWh	0 kBTU	0 kBTU	
	Total (yr)	25,676 kWh	0 kBTU	0 kBTU	0 kBTU
		25600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install unfaced R-19 insulation in floor under existing.
- Install cellulose in garage walls with plugs in garage side.
- Homeowner to air seal per contractor report to 1200 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6334 kWh (Elec)	6,258 kWh (Elec)	6,258 kWh	0.11 /kWh	\$688
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

\$10,000.00 Cost of Improvements (est):

\$7,000.00 Utility Contribution

\$3,000.00 Customer Contribution

\$7,065 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$51 Monthly Charge
88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$52		
Capital Investment	\$7,000	\$7,065		
Project Fee(s)	4.50% \$315	\$318	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,821</u>	<u>\$1,910</u>		
Total Cost over life of payback	\$9,136	\$9,293		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	390219195
Name	Nicole Hamm
OwnerName	
Phone	(606) 776-7589
Assessor	Chris Woolery
Date	8/6/2012

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	11,200 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1990 kWh	0 kBTU	0 kBTU	
	Base	11800 kWh	0 kBTU	0 kBTU	
	Total (yr)	24,990 kWh	0 kBTU	0 kBTU	0 kBTU
		24700 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Vent all bath fans to exterior with dampers at the end.
- Have duct design and air returns assessed by HVAC professional.
- Install spray foam to rim joists and band boards as accessible.
- Install spray foam to crawl space walls and add sealed vapor barrier
- Install 5.5" spray foam to roof deck and gable ends
- Adjust and/or weatherstrip all exterior doors to create tighter seals.
- Reduce whole house air leakage to 1725 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4168 kWh (Elec)	3,878 kWh (Elec)	3,878 kWh	0.11 /kWh	\$427
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$36
before monthly How\$mart Charge

Financing

\$5,947.00	Cost of Improvements (est):	\$4,347.00	Utility Contribution
		\$4,378	Not to Exceed Amount (90% of Savings)
\$1,400.00	Customer Contribution	@ 3%	
\$200.00	Rebates - Utility	over 15 years	
		\$32	Monthly Charge
		89%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$32	\$32		
Capital Investment	\$4,347	\$4,378		
Project Fee(s)	4.50% \$196	\$197	Payback Period (years)	15
Capital Fee	0.50% \$22	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,131</u>	<u>\$1,184</u>		
Total Cost over life of payback	\$5,674	\$5,759		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	400102001
Name	LEWIS TOM
OwnerName	
Phone	(606) 776-7634
Assessor	Chris Woolery
Date	4/22/2011

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	14,200 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	2270 kWh	0 kBTU	0 kBTU	
	Base	7290 kWh	0 kBTU	0 kBTU	
=	Total (yr)	23,760 kWh	0 kBTU	0 kBTU	0 kBTU
		23700 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor and repair belly wrap.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house air leakage from 2960 to 2000

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4460 kWh (Elec)	4,400 kWh (Elec)	4,400 kWh	0.11 /kWh	\$484
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$40
before monthly HowSmart Charge

Financing

\$6,800.00	Cost of Improvements (est):	\$4,950.00	Utility Contribution
		\$4,967	Not to Exceed Amount (90% of Savings)
\$1,550.00	Customer Contribution	@ 3%	
\$300.00	Rebates - Utility	over 15 years	
		\$36	Monthly Charge
		89%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$36		
Capital Investment	\$4,950	\$4,967		
Project Fee(s)	4.50% \$223	\$224	Payback Period (years)	15
Capital Fee	0.50% \$25	\$25	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,288</u>	<u>\$1,343</u>		
Total Cost over life of payback	\$6,461	\$6,534		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	530000034016
Name	Samantha Wolfe
OwnerName	
Phone	(606) 475-9699
Assessor	Chris Woolery
Date	8/15/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,520 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2130 kWh	0 kBTU	0 kBTU	
Base	13500 kWh	0 kBTU	0 kBTU	
Total (yr)	23,150 kWh	0 kBTU	0 kBTU	0 kBTU
	23200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install timer on pool pump.
- Repair/replace skirting around home.
- Reduce whole house leakage to 1100 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5032 kWh (Elec)	5,082 kWh (Elec)	5,082 kWh	0.11 /kWh	\$559
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly HowSmart Charge

Financing

\$7,550.00 Cost of Improvements (est):
\$1,350.00 Customer Contribution
\$500.00 Rebates - Utility

\$5,700.00 Utility Contribution
\$5,737 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$41 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$12	\$14		
Capital Investment	\$1,700	\$1,847		
Project Fee(s)	4.50%	\$77	\$83	Payback Period (years) 15
Capital Fee	0.50%	\$9	\$9	Cost of Capital 3%
Total Interest over life of payback	<u>\$442</u>	<u>\$500</u>		
Total Cost over life of payback	\$2,219	\$2,430		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	201590
Name	Ronald Lee Witt
OwnerName	
Phone	(606) 364-2708
Assessor	Roger Medlock
Date	7/2/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	5,507 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	860 kWh	0 kBTU	0 kBTU	
Base	10276 kWh	0 kBTU	0 kBTU	
Total (yr)	16,643 kWh	0 kBTU	0 kBTU	0 kBTU
	16643 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install Moisture barrier 6mil black plastic lap on wall and peers 12"
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3574 kWh (Elec)	3,574 kWh (Elec)	3,574 kWh	0.12 /kWh	\$429
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$36
before monthly How\$mart Charge

Financing

\$7,350.00 **Cost of Improvements (est):**

\$4,350.00 **Utility Contribution**

\$2,500.00 **Customer Contribution**

\$4,402 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 15 years

\$32 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$32	\$32		
Capital Investment	\$4,350	\$4,402		
Project Fee(s)	4.50% \$196	\$198	Payback Period (years)	15
Capital Fee	0.50% \$22	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,132</u>	<u>\$1,190</u>		
Total Cost over life of payback	\$5,678	\$5,790		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	201663
Name	Lonnie Robbins
OwnerName	
Phone	(606) 364-3357
Assessor	Roger Medlock
Date	6/11/2012

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	4,380 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	3060 kWh	0 kBTU	0 kBTU	
	Base	10800 kWh	0 kBTU	0 kBTU	
=	Total (yr)	18,240 kWh	0 kBTU	0 kBTU	0 kBTU
		15100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install moisture barrier 6 mil black plastic lap on walls and peers 12"
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Caulk and seal plumbing penetrations thru floor.
- Install R-19 insulation in floor where missing.
- Reduce Airleakage from 1345 to 1046

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4370 kWh (Elec)	1,230 kWh (Elec)	1,230 kWh	0.12 /kWh	\$148
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$12
before monthly HowSmart Charge

Financing

\$7,700.00	Cost of Improvements (est):	\$1,500.00	Utility Contribution
		\$1,515	Not to Exceed Amount (90% of Savings)
\$5,700.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility	over 15 years	
		\$11	Monthly Charge
		88%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$11	\$11		
Capital Investment	\$1,500	\$1,515		
Project Fee(s)	4.50%	\$68	\$68	Payback Period (years) 15
Capital Fee	0.50%	\$8	\$8	Cost of Capital 3%
Total Interest over life of payback	<u>\$390</u>	<u>\$410</u>		
Total Cost over life of payback	\$1,958	\$1,993		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	202404
Name	Henry & Rosie Cody
OwnerName	
Phone	(606) 364-3463
Assessor	Roger Medlock
Date	7/2/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,684 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	3500 kWh	0 kBTU	0 kBTU	
Base	12500 kWh	0 kBTU	0 kBTU	
Total (yr)	28,684 kWh	0 kBTU	0 kBTU	0 kBTU
	28684 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal Duct Work to 10% of fan capacity.
- Seal around windows and doors with caulking
- Air seal Freshair intake on indoor furnace

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5500 kWh (Elec)	5,500 kWh (Elec)	5,500 kWh	0.12 /kWh	\$660
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$55
before monthly HowSmart Charge

Financing

\$6,800.00 Cost of Improvements (est):

\$2,800.00 Customer Contribution
\$500.00 Rebates - Utility

\$3,500.00 Utility Contribution
\$3,540 Not to Exceed Amount (90% of Savings)
 @ 3%
 over 7 years

\$49 Monthly Charge
 88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$49	\$50		
Capital Investment	\$3,500	\$3,540		
Project Fee(s)	4.50% \$158	\$159	Payback Period (years)	7
Capital Fee	0.50% \$18	\$18	Cost of Capital	3%
Total Interest over life of payback	<u>\$421</u>	<u>\$459</u>		
Total Cost over life of payback	\$4,079	\$4,158		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	204373
Name	Mike Gabbard
OwnerName	
Phone	(606) 287-8095
Assessor	Roger Medlock
Date	8/21/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,140 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1770 kWh	0 kBTU	0 kBTU	
Base	13100 kWh	0 kBTU	0 kBTU	
Total (yr)	22,010 kWh	0 kBTU	0 kBTU	0 kBTU
	22100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Geothermal Cooling System.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Geothermal Heating System.
- Seal Duct Boots to Subfloor

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3382 kWh (Elec)	3,472 kWh (Elec)	3,472 kWh	0.12 /kWh	\$417
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$35
before monthly How\$mart Charge

Financing

\$11,835.00 **Cost of Improvements (est):**

\$4,235.00 **Utility Contribution**

\$7,600.00 **Customer Contribution**

\$4,276 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$31 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$31	\$31		
Capital Investment	\$4,235	\$4,276		
Project Fee(s)	4.50% \$191	\$192	Payback Period (years)	15
Capital Fee	0.50% \$21	\$21	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,102</u>	<u>\$1,156</u>		
Total Cost over life of payback	\$5,528	\$5,625		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	204567
Name	Ovie Adkins
OwnerName	
Phone	(606) 287-3807
Assessor	Roger Medlock
Date	8/20/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	3,400 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	680 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	11000 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	15,080 kWh	0 kBTU	0 kBTU	0 kBTU
	14900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1766 kWh (Elec)	1,586 kWh (Elec)	1,586 kWh	0.12 /kWh	\$190
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$16
before monthly How\$mart Charge

Financing

<p>\$5,000.00</p> <p>\$2,550.00</p> <p>\$500.00</p>	<p>Cost of Improvements (est):</p> <p>Customer Contribution</p> <p>Rebates - Utility - resistance heat</p>	<p>\$1,950.00</p> <p>\$1,953</p> <p>@ 3%</p> <p>over 15 years</p> <p>\$14</p>	<p>Utility Contribution</p> <p>Not to Exceed Amount (90% of Savings)</p> <p>Monthly Charge</p> <p>89% of projected savings</p>
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Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$14	\$14		
Capital Investment	\$1,950	\$1,953		
Project Fee(s)	4.50%	\$88	\$88	Payback Period (years) 15
Capital Fee	0.50%	\$10	\$10	Cost of Capital 3%
Total Interest over life of payback	<u>\$507</u>	<u>\$528</u>		
Total Cost over life of payback	\$2,545	\$2,569		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	205024
Name	Ivan McQueen
OwnerName	
Phone	(606) 493-7508
Assessor	Roger Medlock
Date	7/5/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	2,000 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	150 kWh	0 kBTU	0 kBTU	
Base	7396 kWh	0 kBTU	0 kBTU	
Total (yr)	9,546 kWh	0 kBTU	0 kBTU	0 kBTU
	9546 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal and caulkd plumbing and wiring penetrations in floor.
- Install moisture barrier 6 mil black plastic lap on wall and peers 12"
- Seal and Cualk around garden tub
- Seal Freashair Intake at furnace
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
550 kWh (Elec)	550 kWh (Elec)	550 kWh	0.12 /kWh	\$66
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$6
before monthly HowSmart Charge

Financing

\$7,500.00 **Cost of Improvements (est):**

\$260.00 **Utility Contribution**

\$6,740.00 **Customer Contribution**

\$260 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 5 years

\$5 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$5	\$5		
Capital Investment	\$260	\$260		
Project Fee(s)	4.50%	\$12	\$12	Payback Period (years) 5
Capital Fee	0.50%	\$1	\$1	Cost of Capital 3%
Total Interest over life of payback	<u>\$23</u>	<u>\$25</u>		
Total Cost over life of payback	\$294	\$297		

Account Holder: _____
print name
Date: _____

Owner: _____
print name
Date: _____





Location ID:	205177
Name	Brenda Sparks
OwnerName	
Phone	(606) 391-7668
Assessor	Roger Medlock
Date	8/21/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,000 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	544 kWh	0 kBTU	0 kBTU	
Base	7250 kWh	0 kBTU	0 kBTU	
Total (yr)	14,794 kWh	0 kBTU	0 kBTU	0 kBTU
	14600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3100 kWh (Elec)	2,906 kWh (Elec)	2,906 kWh	0.12 /kWh	\$349
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$29
before monthly HowSmart Charge

Financing

\$4,500.00 **Cost of Improvements (est):**

\$500.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$3,500.00 **Utility Contribution**

\$3,579 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$25 Monthly Charge

87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$25	\$26		
Capital Investment	\$3,500	\$3,579		
Project Fee(s)	4.50%	\$158	\$161	Payback Period (years) 15
Capital Fee	0.50%	\$18	\$18	Cost of Capital 3%
Total Interest over life of payback	<u>\$911</u>	<u>\$968</u>		
Total Cost over life of payback	\$4,568	\$4,708		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	21225
Name	Keith Parrett
OwnerName	
Phone	(606) 364-3889
Assessor	Roger Medlock
Date	9/27/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	4,680 kWh	0 KBTU	0 KBTU	0 KBTU
Cooling	1900 kWh	0 KBTU	0 KBTU	
Base	9370 kWh	0 KBTU	0 KBTU	
Total (yr)	15,950 kWh	0 KBTU	0 KBTU	0 KBTU
	15800 kWh	0 KBTU	0 KBTU	0 KBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal to a new leakage rate of 811 - 1325 cfm50 if possible.
- Install R-19 insulation in floor and new vapor barrier.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1100 kWh (Elec)	950 kWh (Elec)	950 kWh	0.12 /kWh	\$114
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$10
before monthly HowSmart Charge

Financing

\$4,000.00	Cost of Improvements (est):	\$1,150.00	Utility Contribution
		\$1,170	Not to Exceed Amount (90% of Savings)
\$2,350.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility	over 15 years	
		\$8	Monthly Charge
		88%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$8	\$9		
Capital Investment	\$1,150	\$1,170		
Project Fee(s)	4.50% \$52	\$53	Payback Period (years)	15
Capital Fee	0.50% \$6	\$6	Cost of Capital	3%
Total Interest over life of payback	<u>\$299</u>	<u>\$316</u>		
Total Cost over life of payback	\$1,501	\$1,539		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	21289
Name	Marcella Cunagin
OwnerName	
Phone	(606) 364-3417
Assessor	Roger Medlock
Date	4/10/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,610 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2,280 kWh	0 kBTU	0 kBTU	
Base	9,530 kWh	0 kBTU	0 kBTU	
Total (yr)	19,420 kWh	0 kBTU	0 kBTU	0 kBTU
	18,800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install vapor barrier and R-19 insulation in floor where missing/hanging.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Install New Duct Work, Sealed to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Air seal to somewhere in the range of 1650 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5963 kWh (Elec)	5,343 kWh (Elec)	5,343 kWh	0.12 /kWh	\$641
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$53
before monthly HowSmart Charge

Financing

\$11,129.45 **Cost of Improvements (est):**

\$6,529.45 **Utility Contribution**

\$4,600.00 **Customer Contribution**

\$6,580 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$47 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$47	\$48		
Capital Investment	\$6,529	\$6,580		
Project Fee(s)	4.50% \$294	\$296	Payback Period (years)	15
Capital Fee	0.50% \$33	\$33	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,699</u>	<u>\$1,779</u>		
Total Cost over life of payback	\$8,522	\$8,656		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	21324
Name	Ed Carpenter
OwnerName	
Phone	(606) 364-2627
Assessor	Roger Medlock
Date	10/15/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,340 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1220 kWh	0 kBTU	0 kBTU	
Base	9650 kWh	0 kBTU	0 kBTU	
Total (yr)	19,210 kWh	0 kBTU	0 kBTU	0 kBTU
	19200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install new vapor barrier in crawl space
- Seal home to a new leakage rate of 1550 cfm if possible.
- Air seal plumbing and wiring penetrations in attic and crawl.
- Air seal master tub with caulking.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Install new duct work, with leakage rate of 10% or less.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5743 kWh (Elec)	5,733 kWh (Elec)	5,733 kWh	0.12 /kWh	\$688
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly How\$mart Charge

Financing

\$8,011.63 **Cost of Improvements (est):**

\$500.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$7,011.63 **Utility Contribution**

\$7,061 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$51 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$52		
Capital Investment	\$7,012	\$7,061		
Project Fee(s)	4.50% \$316	\$318	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,824</u>	<u>\$1,909</u>		
Total Cost over life of payback	\$9,152	\$9,287		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	22780
Name	Billy R. Isaacs
OwnerName	
Phone	(606) 965-3195
Assessor	Roger Medlock
Date	7/20/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	0 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	0 kWh	0 kBTU	0 kBTU	
Base	0 kWh	0 kBTU	0 kBTU	
Total (yr)	0 kWh	0 kBTU	0 kBTU	0 kBTU
	0 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add Insulation in attic to 12" total from existing.
- Silicone cracks in wall and ceiling in garage enclosure.
- Air seal plugs and switches on exterior walls.
- Reduce whole house air leakage to 1850 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1650 kWh (Elec)	1,650 kWh (Elec)	1,650 kWh	0.12 /kWh	\$198
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$17
before monthly HowSmart Charge

Financing

\$6,200.00 **Cost of Improvements (est):**
 \$3,700.00 **Customer Contribution**
 \$500.00 **Rebates - Utility**

\$2,000.00 **Utility Contribution**
 \$2,032 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$15 Monthly Charge
88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$15	\$15		
Capital Investment	\$2,000	\$2,032		
Project Fee(s)	4.50% \$90	\$91	Payback Period (years)	15
Capital Fee	0.50% \$10	\$10	Cost of Capital	3%
Total Interest over life of payback	<u>\$520</u>	<u>\$549</u>		
Total Cost over life of payback	\$2,610	\$2,673		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	24717
Name	Gordon Phillips
OwnerName	
Phone	(859) 421-0690
Assessor	Roger Medlock
Date	3/23/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,840 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	280 kWh	0 kBTU	0 kBTU	
Base	7290 kWh	0 kBTU	0 kBTU	
Total (yr)	15,410 kWh	0 kBTU	0 kBTU	0 kBTU
	15100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Seal Duct Work to 10% of fan capacity.
- Air seal switches and outlets with foam gaskets and child proof inserts.
- Air seal window in kitchen.
- Seal damper in fireplace.
- Air seal brick around fireplace.
- Insulate and air seal attic hatch in master closet.
- Insulate and air seal closet at end of hall where air handler is located.
- Seal or remove attic exhaust fan.
- Reduce whole house leakage rate to 2000 cfm50 if possible.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4372 kWh (Elec)	4,062 kWh (Elec)	4,062 kWh	0.12 /kWh	\$487
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$41
before monthly How\$mart Charge

Financing

\$7,000.00 **Cost of Improvements (est):**

\$5,000.00 **Utility Contribution**

\$1,500.00 **Customer Contribution**

\$5,003 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 15 years

\$36 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$37		
Capital Investment	\$5,000	\$5,003		
Project Fee(s)	4.50% \$225	\$225	Payback Period (years)	15
Capital Fee	0.50% \$25	\$25	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,301</u>	<u>\$1,353</u>		
Total Cost over life of payback	\$6,526	\$6,580		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	24927
Name	Erik Wiggs
OwnerName	
Phone	(606) 287-8879
Assessor	Roger Medlock
Date	8/21/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	5,290 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2080 kWh	0 kBTU	0 kBTU	
Base	13500 kWh	0 kBTU	0 kBTU	
Total (yr)	20,870 kWh	0 kBTU	0 kBTU	0 kBTU
	20600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add 6 square feet of Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Insulate Duct Work.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install vapor barrier in crawl space.
- Install R-19 insulation in floor.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4185 kWh (Elec)	3,915 kWh (Elec)	3,915 kWh	0.12 /kWh	\$470
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$39
before monthly How\$mart Charge

Financing

\$8,511.24 **Cost of Improvements (est):**

\$4,643.92 **Utility Contribution**

\$3,200.00 **Customer Contribution**

\$4,822 Not to Exceed Amount (90% of Savings)

\$667.32 **Rebates - Utility**

@ 3%
over 15 years

\$34 Monthly Charge

86% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$34	\$35		
Capital Investment	\$4,644	\$4,822		
Project Fee(s)	4.50% \$209	\$217	Payback Period (years)	15
Capital Fee	0.50% \$23	\$24	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,208</u>	<u>\$1,304</u>		
Total Cost over life of payback	\$6,061	\$6,342		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	25224
Name	Claude Hudson
OwnerName	
Phone	(606) 358-1450
Assessor	Roger Medlock
Date	8/13/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,900 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	126 kWh	0 kBTU	0 kBTU	
Base	9210 kWh	0 kBTU	0 kBTU	
Total (yr)	17,236 kWh	0 kBTU	0 kBTU	0 kBTU
	16800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1891 kWh (Elec)	1,455 kWh (Elec)	1,455 kWh	0.12 /kWh	\$175
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$15
before monthly How\$mart Charge

Financing

\$7,500.00 **Cost of Improvements (est):**

\$1,790.00 **Utility Contribution**

\$5,710.00 **Customer Contribution**

\$1,792 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$13 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$13	\$13		
Capital Investment	\$1,790	\$1,792		
Project Fee(s)	4.50% \$81	\$81	Payback Period (years)	15
Capital Fee	0.50% \$9	\$9	Cost of Capital	3%
Total Interest over life of payback	<u>\$466</u>	<u>\$485</u>		
Total Cost over life of payback	\$2,336	\$2,357		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	30004143
Name	Curtis W Angel
OwnerName	
Phone	(606) 391-8822
Assessor	Roger Medlock
Date	6/4/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	10,000 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	563 kWh	0 kBTU	0 kBTU	
Base	19600 kWh	0 kBTU	0 kBTU	
Total (yr)	30,163 kWh	0 kBTU	0 kBTU	0 kBTU
	30300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Replace broken window
Install Moisture barrier 6 mil black plastic lap on walls and piers 12"
Replace HVAC Heating with New HVAC Heating System. 3.5 ton
Replace HVAC Cooling with New HVAC Cooling System. 3.5 ton
Install Programmable Thermostat.
Remove flex duct and seal off area to existing duct work
Complete underpinning
Caulk and seal masonry wall at top and bottom
Reduce air leakage from 1960 to 1500 if possible

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6170 kWh (Elec)	6,307 kWh (Elec)	6,307 kWh	0.12 /kWh	\$757
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$63
before monthly HowSmart Charge

Financing

\$9,325.00 **Cost of Improvements (est):**

\$650.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$8,175.00

Utility Contribution

\$7,768

Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$59

Monthly Charge

94% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$59	\$57		
Capital Investment	\$8,175	\$7,768		
Project Fee(s)	4.50% \$368	\$350	Payback Period (years)	15
Capital Fee	0.50% \$41	\$39	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,127</u>	<u>\$2,100</u>		
Total Cost over life of payback	\$10,670	\$10,217		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	35864
Name	Carolyn May
OwnerName	
Phone	() 60-6364
Assessor	Roger Medlock
Date	10/15/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	22,600 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	545 kWh	0 kBTU	0 kBTU	
Base	11700 kWh	0 kBTU	0 kBTU	
Total (yr)	34,845 kWh	0 kBTU	0 kBTU	0 kBTU
	25300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 4900 cfm50 or lower.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
14257 kWh (Elec)	4,712 kWh (Elec)	4,712 kWh	0.12 /kWh	\$565
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly How\$mart Charge

Financing

\$6,000.00 **Cost of Improvements (est):**

\$500.00 **Rebates - Utility**

\$5,500.00 **Utility Contribution**

\$5,803 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge

85% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$42		
Capital Investment	\$5,500	\$5,803		
Project Fee(s)	4.50% \$248	\$261	Payback Period (years)	15
Capital Fee	0.50% \$28	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,431</u>	<u>\$1,569</u>		
Total Cost over life of payback	\$7,179	\$7,633		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	36845
Name	Donnie Parret
OwnerName	
Phone	(606) 364-3321
Assessor	Roger Medlock
Date	8/8/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,700 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1,230 kWh	0 kBTU	0 kBTU	
Base	7,760 kWh	0 kBTU	0 kBTU	
Total (yr)	15,690 kWh	0 kBTU	0 kBTU	0 kBTU
	15400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install R-19 insulation in floor and new vapor barrier.
- Reduce house leakage to 1000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4152 kWh (Elec)	3,862 kWh (Elec)	3,862 kWh	0.12 /kWh	\$463
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$39
before monthly HowSmart Charge

Financing

\$6,500.00 **Cost of Improvements (est):**

\$1,250.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$4,750.00 Utility Contribution

\$4,756 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

\$34 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$34	\$35		
Capital Investment	\$4,750	\$4,756		
Project Fee(s)	4.50% \$214	\$214	Payback Period (years)	15
Capital Fee	0.50% \$24	\$24	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,236</u>	<u>\$1,286</u>		
Total Cost over life of payback	\$6,200	\$6,256		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	38635
Name	Ronald Green
OwnerName	
Phone	(606) 364-2678
Assessor	Roger Medlock
Date	10/3/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	9,960 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2430 kWh	0 kBTU	0 kBTU	
Base	15200 kWh	0 kBTU	0 kBTU	
Total (yr)	27,590 kWh	0 kBTU	0 kBTU	0 kBTU
	27400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Homeowner to Install as much R-19 insulation in floor as possible.
- Add Insulation in attic to 15" total from existing.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Replace truck line and seal duct work to below 10% leakage
- Replace HVAC Cooling with New HVAC Cooling System.
- Homeowner to do as much air sealing as possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4851 kWh (Elec)	4,661 kWh (Elec)	4,661 kWh	0.12 /kWh	\$559
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly How\$mart Charge

Financing

\$5,600.00 **Cost of Improvements (est):**

\$5,100.00 **Utility Contribution**

\$500.00 **Rebates - Utility**

\$5,740 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$37 Monthly Charge

79% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$37	\$42		
Capital Investment	\$5,100	\$5,740		
Project Fee(s)	4.50% \$230	\$258	Payback Period (years)	15
Capital Fee	0.50% \$26	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,327</u>	<u>\$1,552</u>		
Total Cost over life of payback	\$6,657	\$7,551		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	38794
Name	Danny Spurlock
OwnerName	
Phone	(606) 287-8700
Assessor	Roger Medlock
Date	6/5/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	10,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	3090 kWh	0 kBTU	0 kBTU	
Base	12110 kWh	0 kBTU	0 kBTU	
Total (yr)	25,600 kWh	0 kBTU	0 kBTU	0 kBTU
	25600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Seal Attic entrance
Install new moisture barrier 6 mil black plastic lap on walls and piers 12"
seal under stair well where water heater is
Install switch and receptical gasgets under covers
Seal plumbing penetrations
Seal Duct Work to 10% of fan capacity
Replace Interior doors to attic and garage with Exterior Doors
Seal from 2960 cfm to 2160 or lower
Replace HVAC Heating with New HVAC Heating System (2 Systems)
Replace HVAC Cooling with New HVAC Cooling System (2 Systems)

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4300 kWh (Elec)	4,300 kWh (Elec)	4,300 kWh	0.12 /kWh	\$516
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$43
before monthly HowSmart Charge

Financing

\$7,600.00 **Cost of Improvements (est):**

\$3,700.00 **Utility Contribution**

\$3,400.00 **Customer Paid for Item(s)**

\$3,787 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 10 years

\$38 Monthly Charge

87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$38	\$39		
Capital Investment	\$3,700	\$3,787		
Project Fee(s)	4.50%	\$167	\$170	Payback Period (years) 10
Capital Fee	0.50%	\$19	\$19	Cost of Capital 3%
Total Interest over life of payback	<u>\$635</u>	<u>\$686</u>		
Total Cost over life of payback	\$4,502	\$4,644		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	39945
Name	Gerry Pierson
OwnerName	
Phone	(606) 364-5554
Assessor	Roger Medlock
Date	6/17/2012

How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
Heating		3,371 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling		1650 kWh	0 kBTU	0 kBTU	
Base		13312 kWh	0 kBTU	0 kBTU	
Total (yr)		18,333 kWh	0 kBTU	0 kBTU	0 kBTU
		18333 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install Insulated door into basement
- Seal around light over sink in kitchen
- Seal Returns in wall to attic
- Caulk and seal plumbing penetrations in floor

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2550 kWh (Elec)	2,550 kWh (Elec)	2,550 kWh	0.12 /kWh	\$306
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$26
before monthly How\$mart Charge

Financing

\$7,878.95 Cost of Improvements (est):
\$4,490.00 Customer Contribution
\$500.00 Rebates - Utility

\$2,888.95 Utility Contribution
\$3,141 Not to Exceed Amount (90% of Savings)
@ 3%
over 15 years
\$21 Monthly Charge
82% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$21	\$23		
Capital Investment	\$2,889	\$3,141		
Project Fee(s)	4.50% \$130	\$141	Payback Period (years)	15
Capital Fee	0.50% \$14	\$16	Cost of Capital	3%
Total Interest over life of payback	<u>\$752</u>	<u>\$849</u>		
Total Cost over life of payback	\$3,771	\$4,131		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	42
Name	Mary Bogan
OwnerName	
Phone	
Assessor	Roger Medlock
Date	6/5/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	13,000 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	828 kWh	0 kBTU	0 kBTU	
Base	6530 kWh	0 kBTU	0 kBTU	
Total (yr)	20,358 kWh	0 kBTU	0 kBTU	0 kBTU
	18000 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace hollow core exterior door with insulated metal door.
- Repair or replace damaged/missing R-19 insulation in floor.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 5000 cfm50 if possible

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6530 kWh (Elec)	4,172 kWh (Elec)	4,172 kWh	0.12 /kWh	\$501
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$42
before monthly HowSmart Charge

Financing

\$10,176.50	Cost of Improvements (est):	\$5,076.50	Utility Contribution
		\$5,138	Not to Exceed Amount (90% of Savings)
\$4,600.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility - Resistance Hea	over 15	years
		\$37	Monthly Charge
		88%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$37	\$38		
Capital Investment	\$5,077	\$5,138		
Project Fee(s)	4.50% \$228	\$231	Payback Period (years)	15
Capital Fee	0.50% \$25	\$26	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,321</u>	<u>\$1,389</u>		
Total Cost over life of payback	\$6,626	\$6,759		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	44
Name	Brian Marcum
OwnerName	
Phone	(606) 593-6020
Assessor	Roger Medlock
Date	6/5/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	5,700 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1340 kWh	0 kBTU	0 kBTU	
Base	20900 kWh	0 kBTU	0 kBTU	
Total (yr)	27,940 kWh	0 kBTU	0 kBTU	0 kBTU
	26500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal plumbing penetrations
- Seal and weather strip exterior doors
- Seal between joists and insulate using 1" foam board
- Seal around Fireplace

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4259 kWh (Elec)	2,819 kWh (Elec)	2,819 kWh	0.12 /kWh	\$338
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$28
before monthly How\$mart Charge

Financing

\$7,806.25	Cost of Improvements (est):	\$3,406.25	Utility Contribution
		\$3,472	Not to Exceed Amount (90% of Savings)
\$3,900.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility	over 15 years	
		\$25	Monthly Charge
		88%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$25	\$25		
Capital Investment	\$3,406	\$3,472		
Project Fee(s)	4.50%	\$153	\$156	Payback Period (years) 15
Capital Fee	0.50%	\$17	\$17	Cost of Capital 3%
Total Interest over life of payback	<u>\$886</u>	<u>\$939</u>		
Total Cost over life of payback	\$4,446	\$4,567		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	46425
Name	Mary Oliver
OwnerName	
Phone	(606) 843-2262
Assessor	Todd Claiborne
Date	5/30/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	14,500 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1670 kWh	0 kBTU	0 kBTU	
Base	12700 kWh	0 kBTU	0 kBTU	
Total (yr)	28,870 kWh	0 kBTU	0 kBTU	0 kBTU
	24900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Heatpump Tune up
- Install R-19 insulation in floor in old part of house if possible. Currently no access.
- Add Insulation in attic to 15" total from existing.
- Seal baseboard in bedroom
- Seal plumbing penetrations in crawlspace
- Seal right plumbing access door
- Seal Attic Hatch and build foam barrier around the hatch
- Seal around fireplace
- Reduce Air Leakage from 3580 CFM 50

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7795 kWh (Elec)	3,825 kWh (Elec)	3,825 kWh	0.12 /kWh	\$459
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$38
before monthly How\$mart Charge

Financing

\$4,475.98 **Cost of Improvements (est):**

\$4,325.17 **Utility Contribution**

\$150.81 **Rebates - Utility**

\$4,711 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$31 Monthly Charge

82% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$31	\$34		
Capital Investment	\$4,325	\$4,711		
Project Fee(s)	4.50% \$195	\$212	Payback Period (years)	15
Capital Fee	0.50% \$22	\$24	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,125</u>	<u>\$1,274</u>		
Total Cost over life of payback	\$5,645	\$6,197		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	46624
Name	JEROME DOUGLAS
OwnerName	
Phone	(606) 843-0955
Assessor	Todd Claiborne
Date	8/24/2011

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	15,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	398 kWh	0 kBTU	0 kBTU	
Base	15900 kWh	0 kBTU	0 kBTU	
Total (yr)	31,398 kWh	0 kBTU	0 kBTU	0 kBTU
	23600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System. (Under Warranty)
- Replace HVAC Cooling with New HVAC Cooling System. (Under Warranty)
- Add Insulation in attic to 15" total from existing.
- Reduce airleakage to .4ach min

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
12490 kWh (Elec)	4,692 kWh (Elec)	4,692 kWh	0.12 /kWh	\$563
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47

before monthly HowSmart Charge

Financing

\$1,550.00 **Cost of Improvements (est):**

\$155.00 **Rebates - Utility**

\$1,395.00 **Utility Contribution**

\$2,221 Not to Exceed Amount (90% of Savings)

@ 3%
over 5 years

\$26 Monthly Charge

56% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$26	\$42		
Capital Investment	\$1,395	\$2,221		
Project Fee(s)	4.50% \$63	\$100	Payback Period (years)	5
Capital Fee	0.50% \$7	\$11	Cost of Capital	3%
Total Interest over life of payback	<u>\$121</u>	<u>\$213</u>		
Total Cost over life of payback	\$1,579	\$2,534		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$41	\$42		
Capital Investment	\$5,700	\$5,737		
Project Fee(s)	4.50% \$257	\$258	Payback Period (years)	15
Capital Fee	0.50% \$29	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,483</u>	<u>\$1,551</u>		
Total Cost over life of payback	\$7,440	\$7,547		

Account Holder: _____
print name

Date: _____


Owner: _____
print name

Date: _____



Energy Efficiency for Everyone

Grayson Rural Electric

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The power of business is in the community

Location ID:	530105007006
Name	MABRY CALEB A
OwnerName	
Phone	(606) 483-9567
Assessor	Chris Woolery
Date	7/25/2011

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,590 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	403 kWh	0 kBTU	0 kBTU	
Base	17400 kWh	0 kBTU	0 kBTU	
Total (yr)	25,393 kWh	0 kBTU	0 kBTU	0 kBTU
	25500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Reduce house leakage from 4726 - 1773 cfm50.
- Add Rim Joist Insulation.
- Add Vaulted Ceiling Insulation.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6083 kWh (Elec)	6,190 kWh (Elec)	6,190 kWh	0.11 /kWh	\$681
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

\$6,827.00	Cost of Improvements (est):	\$4,556.86	Utility Contribution
\$1,365.40	Kentucky Home Performance	\$6,988	Not to Exceed Amount (90% of Savings)
\$404.74	Rebates - Utility - btu reduction	@ 3%	
\$500.00	Rebates - Utility - resistance heat	over 15 years	
		\$33	Monthly Charge
		58%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$33	\$51		
Capital Investment	\$4,557	\$6,988		
Project Fee(s)	4.50% \$205	\$314	Payback Period (years)	15
Capital Fee	0.50% \$23	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,186</u>	<u>\$1,890</u>		
Total Cost over life of payback	\$5,948	\$9,192		

Account Holder: _____
print name

Date: _____

Owner: _____
print name


Date: _____



How\$martKY

Energy Efficiency for Everyone

Grayson Rural Electric

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Location ID:	535102028005
Name	Donald Burchett
OwnerName	
Phone	(606) 465-4340
Assessor	Chris Woolery
Date	11/14/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	9,440 kWh	0 KBTU	0 KBTU	0 KBTU
Cooling	670 kWh	0 KBTU	0 KBTU	
Base	16900 kWh	0 KBTU	0 KBTU	
Total (yr)	27,010 kWh	0 KBTU	0 KBTU	0 KBTU
	26700 kWh	0 KBTU	0 KBTU	0 KBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Customer to install timer on pool pump.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4800 kWh (Elec)	4,490 kWh (Elec)	4,490 kWh	0.11 /kWh	\$494
0 KBTU (Gas)	0 KBTU (Gas)	0 therms	2.00 /Therm	\$0
0 KBTU (Propane)	0 KBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$41
before monthly HowSmart Charge

Financing

\$21,500.00 **Cost of Improvements (est):**

\$5,000.00 **Utility Contribution**

\$5,069 Not to Exceed Amount (90% of Savings)

\$16,500.00 **Customer Contribution**

@ 3%
over 15 years

\$36 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$37		
Capital Investment	\$5,000	\$5,069		
Project Fee(s)	4.50% \$225	\$228	Payback Period (years)	15
Capital Fee	0.50% \$25	\$25	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,301</u>	<u>\$1,371</u>		
Total Cost over life of payback	\$6,526	\$6,668		

Account Holder: _____
print name

Date: _____


Owner: _____
print name

Date: _____



Energy Efficiency for Everyone

Grayson Rural Electric

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Location ID:	536403042025
Name	William Hendrickson
OwnerName	
Phone	(606) 286-5663
Assessor	Chris Woolery
Date	8/29/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	17,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	300 kWh	0 kBTU	0 kBTU	
Base	10600 kWh	0 kBTU	0 kBTU	
Total (yr)	28,000 kWh	0 kBTU	0 kBTU	0 kBTU
	27600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Replace HVAC Heating with New HVAC Heating System.

Install Programmable Thermostat.

Seal Duct Work to 10% of fan capacity.

Replace HVAC Cooling with New HVAC Cooling System.

Air seal home down to a leakage rate of 5000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7259 kWh (Elec)	6,859 kWh (Elec)	6,859 kWh	0.11 /kWh	\$754
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$63

before monthly HowSmart Charge

Financing

\$5,000.00 **Cost of Improvements (est):**

\$500.00 **Rebates - Utility**

\$4,500.00 **Utility Contribution**

\$7,743 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$33 Monthly Charge

52% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$33	\$57		
Capital Investment	\$4,500	\$7,743		
Project Fee(s)	4.50% \$203	\$348	Payback Period (years)	15
Capital Fee	0.50% \$23	\$39	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,171</u>	<u>\$2,094</u>		
Total Cost over life of payback	\$5,873	\$10,186		

Account Holder: _____
print name
Date: _____

Owner: _____
print name
Date: _____



Grayson Rural Electric

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Location ID:	541000086020
Name	John Conn
OwnerName	
Phone	(606) 207-7884
Assessor	Chris Woolery
Date	10/3/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1440 kWh	0 kBTU	0 kBTU	
Base	20200 kWh	0 kBTU	0 kBTU	
Total (yr)	34,040 kWh	0 kBTU	0 kBTU	0 kBTU
	34100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce leakage by 300 cfm50
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7478 kWh (Elec)	7,538 kWh (Elec)	7,538 kWh	0.11 /kWh	\$829
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$69
before monthly HowSmart Charge

Financing

\$5,250.00 **Cost of Improvements (est):**

\$750.00 **Rebates - Utility**

\$4,500.00 **Utility Contribution**

\$8,510 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$33 Monthly Charge

47% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$33	\$62		
Capital Investment	\$4,500	\$8,510		
Project Fee(s)	4.50% \$203	\$383	Payback Period (years)	15
Capital Fee	0.50% \$23	\$43	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,171</u>	<u>\$2,301</u>		
Total Cost over life of payback	\$5,873	\$11,194		

Account Holder: _____
print name

Date: _____


Owner: _____
print name

Date: _____






Energy Efficiency for Everyone

Grayson Rural Electric

A Touchstone Energy[™] Cooperative 
The power of human connections

Location ID:	542202056026
Name	Mark and Serena Waddell
OwnerName	
Phone	(606) 738-4538
Assessor	Chris Woolery
Date	12/20/2011

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
 Heating	8,650 kWh	0 kBTU	0 kBTU	0 kBTU
 Cooling	1340 kWh	0 kBTU	0 kBTU	
 Base	14500 kWh	0 kBTU	0 kBTU	
Total (yr)	24,490 kWh	0 kBTU	0 kBTU	0 kBTU
	24100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal Duct Work to 10% of fan capacity.
- Reduce the house air leakage to 2200 cfm50.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4213 kWh (Elec)	3,823 kWh (Elec)	3,823 kWh	0.11 /kWh	\$421
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$35
before monthly How\$mart Charge

Financing

\$4,750.00 Cost of Improvements (est):
\$950.00 Kentucky Home Performance

\$3,800.00 Utility Contribution
\$4,316 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$28 Monthly Charge

79% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates *only* and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$28	\$32		
Capital Investment	\$3,800	\$4,316		
Project Fee(s)	4.50% \$171	\$194	Payback Period (years)	15
Capital Fee	0.50% \$19	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$989</u>	<u>\$1,167</u>		
Total Cost over life of payback	\$4,960	\$5,677		

Account Holder: _____
print name

Date: _____

Owner: _____
print name


Date: _____



How\$martKY




Energy Efficiency for Everyone

Grayson Rural Electric

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The power of human connections

Location ID:	547102015003
Name	Wallace Jay Coffee
OwnerName	
Phone	(606) 738-4258
Assessor	Chris Woolery
Date	9/26/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
 Heating	32,800 kWh	0 kBTU	0 kBTU	0 kBTU
 Cooling	1100 kWh	0 kBTU	0 kBTU	
 Base	16400 kWh	0 kBTU	0 kBTU	
Total (yr)	50,300 kWh	0 kBTU	0 kBTU	0 kBTU
	49800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor.
- Add Rim Joist Insulation.
- Add Vaulted Ceiling Insulation.
- Install subfloor and drywall upstairs, door at bottom of stairs.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Insulate Duct Work.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
16202 kWh (Elec)	15,702 kWh (Elec)	15,702 kWh	0.11 /kWh	\$1,727
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$144
before monthly HowSmart Charge

Financing

\$15,036.00 **Cost of Improvements (est):**

\$500.00 **Rebates - Utility**

\$14,536.00

Utility Contribution

\$17,727

Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$105

Monthly Charge

73% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
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Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$105	\$130		
Capital Investment	\$14,536	\$17,727		
Project Fee(s)	4.50% \$654	\$798	Payback Period (years)	15
Capital Fee	0.50% \$73	\$89	Cost of Capital	3%
Total Interest over life of payback	<u>\$3,782</u>	<u>\$4,793</u>		
Total Cost over life of payback	\$18,972	\$23,317		

Account Holder: _____
print name

Date: _____


Owner: _____
print name

Date: _____



Energy Efficiency for Everyone

Grayson Rural Electric

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Location ID:	613302065027
Name	SWORD LARRY
OwnerName	
Phone	(606) 935-6561
Assessor	Chris Woolery
Date	9/8/2011

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1680 kWh	0 kBTU	0 kBTU	
Base	11900 kWh	0 kBTU	0 kBTU	
Total (yr)	25,680 kWh	0 kBTU	0 kBTU	0 kBTU
	25300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Vaulted Ceiling Insulation.
- Add Rim Joist Insulation.
- Reduce house air leakage from 5286 to 2500 cfm50.
- 5. Seal all exterior doors as needed by adjusting latches, adding weatherstripping, and/or installing door sweeps.
- 4. Install clear latex caulking to gaps around windows and storms from outside.
- 3. Install fireplace balloon to minimize leakage in old flue.
- 2. Caulk and/or spray foam newly installed trim, gaps in ceiling, and gaps in exterior walls in addition area.
- 1. Install casings to doors in addition area.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5673 kWh (Elec)	5,293 kWh (Elec)	5,293 kWh	0.11 /kWh	\$582
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$49
before monthly HowSmart Charge

Financing

\$6,005.50 **Cost of Improvements (est):**

\$1,201.10 **Kentucky Home Performance**

\$4,804.40 **Utility Contribution**

\$5,975 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$35 Monthly Charge

72% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
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Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$35	\$44		
Capital Investment	\$4,804	\$5,975		
Project Fee(s)	4.50%	\$216	\$269	Payback Period (years) 15
Capital Fee	0.50%	\$24	\$30	Cost of Capital 3%
Total Interest over life of payback	<u>\$1,250</u>	<u>\$1,616</u>		
Total Cost over life of payback	\$6,271	\$7,860		

Account Holder: _____
print name

Date: _____

Owner: _____
print name


Date: _____



How\$martKY




Energy Efficiency for Everyone

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Location ID:	619194078060
Name	Travis Grizzle
OwnerName	
Phone	(606) 473-0965
Assessor	Tina Preece
Date	11/10/2011

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
 Heating	7,950 kWh	0 kBTU	0 kBTU	0 kBTU
 Cooling	1320 kWh	0 kBTU	0 kBTU	
 Base	15700 kWh	0 kBTU	0 kBTU	
Total (yr)	24,970 kWh	0 kBTU	0 kBTU	0 kBTU
	25000 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace duct work in crawl space
- Add Rim Joist Insulation.
- Add Crawlspace Wall Insulation.
- Install 5.5" of spray foam to underside of roof deck.
- 5. Sealing of ductwork mentioned elsewhere in report will contribute to reduction of air leakage.
- 4. Air seal all major penetrations (where accessible) in attic and crawl space as needed.
- 3. Install baseboards where missing in kitchen, as well as shoe molding.
- 2. Install trim where missing on back door and kitchen opening, caulk all edges.
- 1. Air seal all four exterior doors with weatherstripping or by adjusting them, or both if needed.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5144 kWh (Elec)	5,174 kWh (Elec)	5,174 kWh	0.11 /kWh	\$569
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly HowSmart Charge

Financing

\$7,278.00 Cost of Improvements (est):
\$1,455.60 Kentucky Home Performance
\$579.89 Rebates - Utility

\$5,242.51 Utility Contribution
\$5,841 Not to Exceed Amount (90% of Savings)
@ 3%
over 15 years
\$38 Monthly Charge
80% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$38	\$43		
Capital Investment	\$5,243	\$5,841		
Project Fee(s)	4.50% \$236	\$263	Payback Period (years)	15
Capital Fee	0.50% \$26	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,364</u>	<u>\$1,579</u>		
Total Cost over life of payback	\$6,843	\$7,683		

Account Holder: _____
print name

Date: _____

Owner: _____
print name


Date: _____



How\$martKY




Energy Efficiency for Everyone

Grayson Rural Electric

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Location ID:	631301072014
Name	Lowell Elliot
OwnerName	
Phone	(606) 474-5604
Assessor	Chris Woolery
Date	5/30/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
 Heating	6,940 kWh	0 kBTU	0 kBTU	0 kBTU
 Cooling	407 kWh	0 kBTU	0 kBTU	
 Base	11000 kWh	0 kBTU	0 kBTU	
Total (yr)	18,347 kWh	0 kBTU	0 kBTU	0 kBTU
	18300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage from 2770 to 1900 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3552 kWh (Elec)	3,505 kWh (Elec)	3,505 kWh	0.11 /kWh	\$386
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$32
before monthly HowSmart Charge

Financing

\$6,500.00 **Cost of Improvements (est):**

\$3,950.00

Utility Contribution

\$2,550.00 **Customer Contribution**

\$3,957

Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$29

Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$29	\$29		
Capital Investment	\$3,950	\$3,957		
Project Fee(s)	4.50% \$178	\$178	Payback Period (years)	15
Capital Fee	0.50% \$20	\$20	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,028</u>	<u>\$1,070</u>		
Total Cost over life of payback	\$5,156	\$5,205		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	1023488
Name	Tony Martin
OwnerName	
Phone	
Assessor	Roger Medlock
Date	8/7/2012

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	17,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	4340 kWh	0 kBTU	0 kBTU	
Base	15200 kWh	0 kBTU	0 kBTU	
Total (yr)	36,640 kWh	0 kBTU	0 kBTU	0 kBTU
	36500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Insulation in attic to 15" total from existing.
- Air seal home to 3200 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7100 kWh (Elec)	6,960 kWh (Elec)	6,960 kWh	0.12 /kWh	\$835
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$70
before monthly How\$mart Charge

Financing

\$8,960.00 Cost of Improvements (est):

\$500.00 Rebates - Utility

\$8,460.00 Utility Contribution

\$8,572 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$61 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$61	\$63		
Capital Investment	\$8,460	\$8,572		
Project Fee(s)	4.50% \$381	\$386	Payback Period (years)	15
Capital Fee	0.50% \$42	\$43	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,201</u>	<u>\$2,318</u>		
Total Cost over life of payback	\$11,042	\$11,275		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	1024768
Name	Dennis Venable
OwnerName	
Phone	(606) 287-7904
Assessor	Roger Medlock
Date	2/10/2012

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	12,300 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	515 kWh	0 kBTU	0 kBTU	0 kBTU
	Base	13600 kWh	0 kBTU	0 kBTU	0 kBTU
	Total (yr)	26,415 kWh	0 kBTU	0 kBTU	0 kBTU
		22200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal off old flue to wood burner.
- Seal around window trim.
- Seal where recessed cabinet was.
- Finish Bathroom Remodel and seal around tub.
- Seal Wall cavity from attic and crawlspace where return and recessed oven is.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
9100 kWh (Elec)	4,885 kWh (Elec)	4,885 kWh	0.12 /kWh	\$586
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$49
before monthly How\$mart Charge

Financing

\$6,000.00	Cost of Improvements (est):	\$4,300.00	Utility Contribution
		\$4,303	Not to Exceed Amount (90% of Savings)
\$1,200.00	Kentucky Home Performance	@ 3%	
\$500.00	Rebates - Utility	over 10 years	
		\$44	Monthly Charge
			89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$44	\$44		
Capital Investment	\$4,300	\$4,303		
Project Fee(s)	4.50%	\$194	\$194	Payback Period (years) 10
Capital Fee	0.50%	\$22	\$22	Cost of Capital 3%
Total Interest over life of payback	<u>\$738</u>	<u>\$780</u>		
Total Cost over life of payback	\$5,232	\$5,276		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	14838
Name	Vicky Price
OwnerName	
Phone	(606) 593-7001
Assessor	Roger Medlock
Date	6/5/2012

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	2,243 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1407 kWh	0 kBTU	0 kBTU	
Base	12732 kWh	0 kBTU	0 kBTU	
Total (yr)	16,382 kWh	0 kBTU	0 kBTU	0 kBTU
	16382 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Seal Duct work going into ceiling
Seal Duct Work to 10% of fan capacity.
Install insulaiton covers on recepticals and switches
Weather Strip Doors
Insulate Attic Access Entrance
Replace Damaged and Missing Insulaiton in floor
Seal and caulk wiring and plumbing penetrations
Replace HVAC Heating with New HVAC Heating System.
Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1500 kWh (Elec)	1,500 kWh (Elec)	1,500 kWh	0.12 /kWh	\$180
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$15
before monthly How\$mart Charge

Financing

\$7,000.00 **Cost of Improvements (est):**

\$1,700.00 **Utility Contribution**

\$4,800.00 **Customer Contribution**

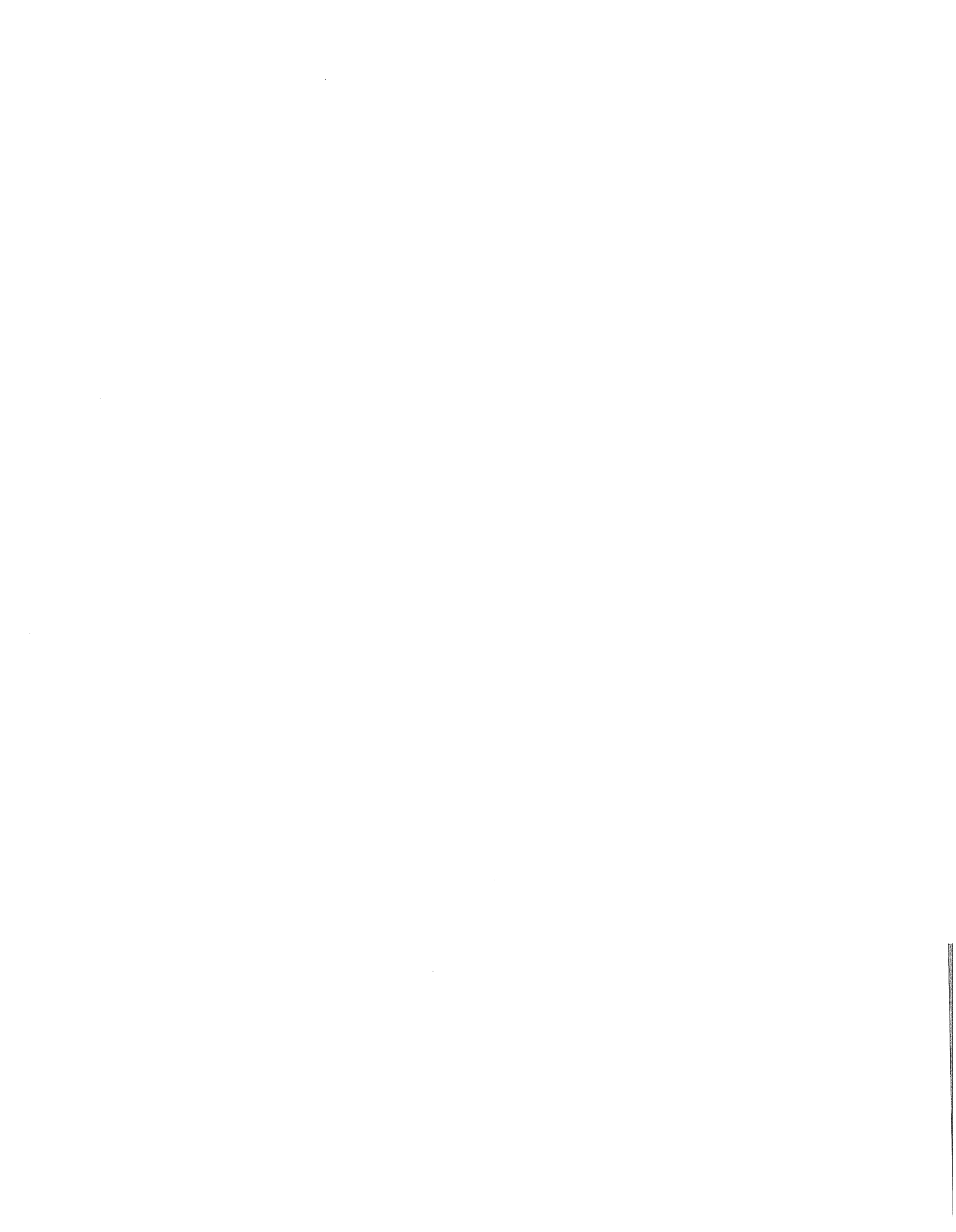
\$1,847 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 15 years

\$12 Monthly Charge

82% of projected savings





Location ID:	Customer Information Removed for Privacy.
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OwnerName	
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Assessor	
Date	

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	21,500 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	691 kWh	0 kBTU	0 kBTU	
Base	7500 kWh	0 kBTU	0 kBTU	
Total (yr)	29,691 kWh	0 kBTU	0 kBTU	0 kBTU
	27800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace and Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house air leakage from 11257 to 4000 cfm50.
- Add Vaulted Ceiling Insulation.
- Add Rim Joist Insulation.
- Add Crawlspace Wall Insulation.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
9000 kWh (Elec)	7,109 kWh (Elec)	7,109 kWh	0.11 /kWh	\$782
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$65
before monthly How\$mart Charge

Financing

\$9,590.00 Cost of Improvements (est):
\$0.00 Kentucky Home Performance
\$2,000.00 Customer Contribution

\$7,590.00 Utility Contribution
\$8,026 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$55 Monthly Charge

84% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$55	\$59		
Capital Investment	\$7,590	\$8,026		
Project Fee(s)	4.50% \$342	\$361	Payback Period (years)	15
Capital Fee	0.50% \$38	\$40	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,975</u>	<u>\$2,170</u>		
Total Cost over life of payback	\$9,906	\$10,557		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



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Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	11,700 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	126 kWh	0 kBTU	0 kBTU	
Base	9600 kWh	0 kBTU	0 kBTU	
Total (yr)	21,426 kWh	0 kBTU	0 kBTU	0 kBTU
	20900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Crawlspace Wall Insulation.
- Add Rim Joist Insulation.
- Add Insulation in attic to 15" total from existing.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Reduce total building leakage rate to 4500 cfm50 if possible.
- Air seal exterior doors by adjustment or weather stripping.
- Air seal wiring and plumbing penetrations from crawl and attic

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4570 kWh (Elec)	4,044 kWh (Elec)	4,044 kWh	0.11 /kWh	\$445
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$37
before monthly How\$mart Charge

Financing

\$6,363.00 **Cost of Improvements (est):**

\$2,000.00 **Customer Contribution**

\$4,363.00

Utility Contribution

\$4,565

Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$32

Monthly Charge

85% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$32	\$33		
Capital Investment	\$4,363	\$4,565		
Project Fee(s)	4.50% \$196	\$205	Payback Period (years)	15
Capital Fee	0.50% \$22	\$23	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,135</u>	<u>\$1,234</u>		
Total Cost over life of payback	\$5,695	\$6,005		

Account Holder: _____
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Assessor	
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How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
	Heating	10,400 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	592 kWh	0 kBTU	0 kBTU	
	Base	11000 kWh	0 kBTU	0 kBTU	
=	Total (yr)	21,992 kWh	0 kBTU	0 kBTU	0 kBTU
		21600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Crawlspace Wall Insulation.
- Add Rim Joist Insulation.
- Add Vaulted Ceiling Insulation.
- Clean Coils, Check Air Flow, Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Reduce whole house leakage rate to 2500 if possible
- Install attic access and two knee wall doors.
- Install timer on pool pump

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4998 kWh (Elec)	4,606 kWh (Elec)	4,606 kWh	0.11 /kWh	\$507
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$42
before monthly How\$mart Charge

Financing

\$5,000.00 Cost of Improvements (est):

\$0.00 Customer Contribution

\$5,000.00 Utility Contribution

\$5,200 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$36 Monthly Charge

86% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$38		
Capital Investment	\$5,000	\$5,200		
Project Fee(s)	4.50%	\$225	\$234	Payback Period (years) 15
Capital Fee	0.50%	\$25	\$26	Cost of Capital 3%
Total Interest over life of payback	<u>\$1,301</u>	<u>\$1,406</u>		
Total Cost over life of payback	\$6,526	\$6,840		

Account Holder: _____
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Assessor	
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	754 kWh	0 kBTU	0 kBTU	
Base	7260 kWh	0 kBTU	0 kBTU	
Total (yr)	20,114 kWh	0 kBTU	0 kBTU	0 kBTU
	20100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 3000 cfm50 if possible.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install R-19 insulation in floor.
- Install Programmable Thermostat.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6221 kWh (Elec)	6,207 kWh (Elec)	6,207 kWh	0.11 /kWh	\$683
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

\$8,250.00 Cost of Improvements (est):

\$7,000.00 Utility Contribution

\$1,250.00 Customer Contribution

\$7,007 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$51 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$51		
Capital Investment	\$7,000	\$7,007		
Project Fee(s)	4.50% \$315	\$315	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,821</u>	<u>\$1,895</u>		
Total Cost over life of payback	\$9,136	\$9,217		

Account Holder: _____
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Date: _____



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	10,900 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	364 kWh	0 kBTU	0 kBTU	
Base	10200 kWh	0 kBTU	0 kBTU	
Total (yr)	21,464 kWh	0 kBTU	0 kBTU	0 kBTU
	21500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install R-19 insulation in floor.
- Reduce whole house leakage from 2670 to 2000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5725 kWh (Elec)	5,761 kWh (Elec)	5,761 kWh	0.11 /kWh	\$634
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$53
before monthly How\$mart Charge

Financing

\$6,380.00 **Cost of Improvements (est):**

\$5,680.00 **Utility Contribution**

\$700.00 **Rebates - Utility**

\$6,504 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$41 Monthly Charge

78% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostats and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$41	\$48		
Capital Investment	\$5,680	\$6,504		
Project Fee(s)	4.50% \$256	\$293	Payback Period (years)	15
Capital Fee	0.50% \$28	\$33	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,478</u>	<u>\$1,759</u>		
Total Cost over life of payback	\$7,414	\$8,555		

Account Holder: _____
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Assessor	
Date	

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	16,100 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	5810 kWh	0 kBTU	0 kBTU	
	Base	19900 kWh	0 kBTU	0 kBTU	
=	Total (yr)	41,810 kWh	0 kBTU	0 kBTU	0 kBTU
		41800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Rim Joist Insulation.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity. Panned returns in crawl.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal to a leakage rate in the range of 1660 - 2710 cfm50 if possible.
- Seal edges and seams of existing foam board, install vapor barrier.
- Add Insulation to Attic Knee Wall.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
10548 kWh (Elec)	10,538 kWh (Elec)	10,538 kWh	0.11 /kWh	\$1,159
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$97
before monthly How\$mart Charge

Financing

\$10,117.34 Cost of Improvements (est):

\$0.00 Customer Contribution

\$10,117.34 Utility Contribution

\$11,897 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$73 Monthly Charge

76% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$73	\$87		
Capital Investment	\$10,117	\$11,897		
Project Fee(s)	4.50% \$455	\$535	Payback Period (years)	15
Capital Fee	0.50% \$51	\$59	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,633</u>	<u>\$3,217</u>		
Total Cost over life of payback	\$13,205	\$15,649		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



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Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	11,200 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	1830 kWh	0 kBTU	0 kBTU	
⚡ Base	12600 kWh	0 kBTU	0 kBTU	
Total (yr)	25,630 kWh	0 kBTU	0 kBTU	0 kBTU
	25400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Air seal all exterior doors

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7128 kWh (Elec)	6,898 kWh (Elec)	6,898 kWh	0.11 /kWh	\$759
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$63
before monthly HowSmart Charge

Financing

\$7,604.81 Cost of Improvements (est):

\$0.00 Customer Contribution

\$7,604.81 Utility Contribution

\$7,787 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$55 Monthly Charge
87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$55	\$57		
Capital Investment	\$7,605	\$7,787		
Project Fee(s)	4.50% \$342	\$350	Payback Period (years)	15
Capital Fee	0.50% \$38	\$39	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,979</u>	<u>\$2,106</u>		
Total Cost over life of payback	\$9,926	\$10,244		

Account Holder: _____
print name
Date: _____

Owner: _____
print name
Date: _____





Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,520 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1450 kWh	0 kBTU	0 kBTU	
Base	21000 kWh	0 kBTU	0 kBTU	
Total (yr)	30,970 kWh	0 kBTU	0 kBTU	0 kBTU
	30900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal ducts and penetrations in subfloor before repairing belly insulation.
- Seal plugs and switches on exterior walls with foam inserts and caulking.
- Remove a/c window unit and bracket.
- Weatherstrip back door.
- Install R-19 insulation in floor.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce house leakage to 1600 cfm50.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5229 kWh (Elec)	5,159 kWh (Elec)	5,159 kWh	0.11 /kWh	\$567
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly How\$mart Charge

Financing

\$6,873.00 **Cost of Improvements (est):**

\$550.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$5,823.00 **Utility Contribution**

\$5,824 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$42 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$42	\$43		
Capital Investment	\$5,823	\$5,824		
Project Fee(s)	4.50%	\$262	\$262	Payback Period (years) 15
Capital Fee	0.50%	\$29	\$29	Cost of Capital 3%
Total Interest over life of payback	<u>\$1,515</u>	<u>\$1,575</u>		
Total Cost over life of payback	\$7,600	\$7,661		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Big Sandy RECC
The electric company of the people

Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,980 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	409 kWh	0 kBTU	0 kBTU	
Base	16200 kWh	0 kBTU	0 kBTU	
Total (yr)	25,589 kWh	0 kBTU	0 kBTU	0 kBTU
	25400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Reduce whole house air leakage from 2695 to 1800 cfm50 if possible.
- Add Rim Joist Insulation.
- Install six inches closed cell spray foam insulation in floor.
- Install Programmable Thermostat.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2902 kWh (Elec)	2,713 kWh (Elec)	2,713 kWh	0.11 /kWh	\$298
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$25
before monthly HowSmart Charge

Financing

\$4,308.00 **Cost of Improvements (est):**

\$0.00 **Kentucky Home Performance**

\$1,300.00 **Customer Contribution**

\$3,008.00 Utility Contribution

\$3,063 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$22 Monthly Charge
88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$22	\$22		
Capital Investment	\$3,008	\$3,063		
Project Fee(s)	4.50%	\$135	\$138	Payback Period (years) 15
Capital Fee	0.50%	\$15	\$15	Cost of Capital 3%
Total Interest over life of payback	<u>\$783</u>	<u>\$828</u>		
Total Cost over life of payback	\$3,926	\$4,029		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Big Sandy RECC
The electric company of the people

Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,780 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	266 kWh	0 kBTU	0 kBTU	
Base	8800 kWh	0 kBTU	0 kBTU	
Total (yr)	15,846 kWh	0 kBTU	0 kBTU	0 kBTU
	15900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce house leakage from 2490 to 1900 cfm50 if possible

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3637 kWh (Elec)	3,691 kWh (Elec)	3,691 kWh	0.11 /kWh	\$406
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$34
before monthly HowSmart Charge

Financing

\$4,992.00 Cost of Improvements (est):

\$350.00 Customer Contribution
\$500.00 Rebates - Utility

\$4,142.00 Utility Contribution
\$4,167 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$30 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$30	\$30		
Capital Investment	\$4,142	\$4,167		
Project Fee(s)	4.50%	\$186	\$188	Payback Period (years) 15
Capital Fee	0.50%	\$21	\$21	Cost of Capital 3%
Total Interest over life of payback	<u>\$1,078</u>	<u>\$1,127</u>		
Total Cost over life of payback	\$5,406	\$5,481		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
Name	
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Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	5,490 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	996 kWh	0 kBTU	0 kBTU	
Base	15400 kWh	0 kBTU	0 kBTU	
Total (yr)	21,886 kWh	0 kBTU	0 kBTU	0 kBTU
	21200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 1306 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2948 kWh (Elec)	2,262 kWh (Elec)	2,262 kWh	0.11 /kWh	\$249
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$21
before monthly HowSmart Charge

Financing

\$7,600.00	Cost of Improvements (est):	\$2,500.00	Utility Contribution
		\$2,554	Not to Exceed Amount (90% of Savings)
\$4,600.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility	over 15	years
		\$18	Monthly Charge
		87%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$18	\$19		
Capital Investment	\$2,500	\$2,554		
Project Fee(s)	4.50% \$113	\$115	Payback Period (years)	15
Capital Fee	0.50% \$13	\$13	Cost of Capital	3%
Total Interest over life of payback	<u>\$650</u>	<u>\$690</u>		
Total Cost over life of payback	\$3,263	\$3,359		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	13,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	3250 kWh	0 kBTU	0 kBTU	
Base	13400 kWh	0 kBTU	0 kBTU	
Total (yr)	30,050 kWh	0 kBTU	0 kBTU	0 kBTU
	29500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Reduce house leakage from 4235 to 3200 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add 2" spray foam insulation to rim joists.
- Add 5.5" spray foam insulation to roof deck and gable ends.
- Air seal and insulate attic access panel.
- Air seal tub with caulk at all edges and seams.
- Air seal basement door by adjusting strike plate and/or installing new weatherstrip.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
8075 kWh (Elec)	7,525 kWh (Elec)	7,525 kWh	0.11 /kWh	\$828
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$69
before monthly HowSmart Charge

Financing

\$13,433.00 **Cost of Improvements (est):**

\$8,433.00 **Utility Contribution**

\$5,000.00 **Customer Contribution**

\$8,495 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$61 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostats and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$61	\$62		
Capital Investment	\$8,433	\$8,495		
Project Fee(s)	4.50% \$379	\$382	Payback Period (years)	15
Capital Fee	0.50% \$42	\$42	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,194</u>	<u>\$2,297</u>		
Total Cost over life of payback	\$11,007	\$11,175		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,960 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	840 kWh	0 kBTU	0 kBTU	
Base	8660 kWh	0 kBTU	0 kBTU	
Total (yr)	18,460 kWh	0 kBTU	0 kBTU	0 kBTU
	18400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4978 kWh (Elec)	4,918 kWh (Elec)	4,918 kWh	0.11 /kWh	\$541
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$45
before monthly HowSmart Charge

Financing

\$8,162.00 Cost of Improvements (est):
\$2,120.00 Customer Contribution
\$500.00 Rebates - Utility - Resistance Hea

\$5,542.00 Utility Contribution
\$5,552 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$41		
Capital Investment	\$5,542	\$5,552		
Project Fee(s)	4.50% \$249	\$250	Payback Period (years)	15
Capital Fee	0.50% \$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,442</u>	<u>\$1,501</u>		
Total Cost over life of payback	\$7,233	\$7,303		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Fleming-Mason Energy
A Tri-State Energy Cooperative

Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	11,100 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	304 kWh	0 kBTU	0 kBTU	
	Base	7850 kWh	0 kBTU	0 kBTU	
=	Total (yr)	19,254 kWh	0 kBTU	0 kBTU	0 kBTU
		18800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add Rim Joist Insulation.
- Add Crawlspace Wall Insulation.
- Add Vaulted Ceiling Insulation.
- Reduce whole house leakage from 5170 to 4000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5764 kWh (Elec)	5,310 kWh (Elec)	5,310 kWh	0.11 /kWh	\$584
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$49
before monthly HowSmart Charge

Financing

\$14,019.00 **Cost of Improvements (est):**

\$5,494.00 **Utility Contribution**

\$8,025.00 **Customer Contribution**

\$5,995 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 15 years

\$40 Monthly Charge

82% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$44		
Capital Investment	\$5,494	\$5,995		
Project Fee(s)	4.50% \$247	\$270	Payback Period (years)	15
Capital Fee	0.50% \$27	\$30	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,430</u>	<u>\$1,621</u>		
Total Cost over life of payback	\$7,171	\$7,885		

Account Holder: _____
print name

Date: _____

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Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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OwnerName	
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Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	18,200 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	836 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	10500 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	29,536 kWh	0 kBTU	0 kBTU	0 kBTU
	29500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Reduce whole house leakage from 4900 to 3900 cfm50 if possible.
- Replace HVAC Heating with New Geothermal Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New Geothermal Cooling System.
- Add Insulation to Attic Knee Wall.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
14636 kWh (Elec)	14,600 kWh (Elec)	14,600 kWh	0.11 /kWh	\$1,606
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$134
before monthly How\$mart Charge

Financing

\$22,600.00 Cost of Improvements (est):

\$20,800.00 Customer Paid for Item(s)

\$1,800.00 Utility Contribution

\$16,483 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$13 Monthly Charge
10% of projected savings

Next Steps

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 2. Select contractor and schedule the job
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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$13	\$120		
Capital Investment	\$1,800	\$16,483		
Project Fee(s)	4.50% \$81	\$742	Payback Period (years)	15
Capital Fee	0.50% \$9	\$82	Cost of Capital	3%
Total Interest over life of payback	<u>\$468</u>	<u>\$4,457</u>		
Total Cost over life of payback	\$2,349	\$21,681		

Account Holder: _____
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Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,960 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	377 kWh	0 kBTU	0 kBTU	
Base	14400 kWh	0 kBTU	0 kBTU	
Total (yr)	21,737 kWh	0 kBTU	0 kBTU	0 kBTU
	21500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add 5.5" spray foam insulation to roof decking.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Air seal and insulate attic access
- Air seal back (laundry) door.
- Air seal behind grill at whirlpool tub motor.
- Air seal to a new leakage rate below 2400 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1873 kWh (Elec)	1,636 kWh (Elec)	1,636 kWh	0.11 /kWh	\$180
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$15
before monthly HowSmart Charge

Financing

\$3,100.00	Cost of Improvements (est):	\$1,800.00	Utility Contribution
		\$1,847	Not to Exceed Amount (90% of Savings)
\$1,300.00	Customer Contribution	@ 3%	
		over 15 years	
		\$13	Monthly Charge
		87%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$13	\$13		
Capital Investment	\$1,800	\$1,847		
Project Fee(s)	4.50% \$81	\$83	Payback Period (years)	15
Capital Fee	0.50% \$9	\$9	Cost of Capital	3%
Total Interest over life of payback	<u>\$468</u>	<u>\$499</u>		
Total Cost over life of payback	\$2,349	\$2,429		

Account Holder: _____
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Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	6,290 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	953 kWh	0 kBTU	0 kBTU	
Base	7010 kWh	0 kBTU	0 kBTU	
Total (yr)	14,253 kWh	0 kBTU	0 kBTU	0 kBTU
	14300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4859 kWh (Elec)	4,906 kWh (Elec)	4,906 kWh	0.11 /kWh	\$540
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$45
before monthly How\$mart Charge

Financing

\$7,500.00 **Cost of Improvements (est):**

\$2,000.00 **Customer Contribution**

\$5,500.00 **Utility Contribution**

\$5,539 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$40		
Capital Investment	\$5,500	\$5,539		
Project Fee(s) 4.50%	\$248	\$249	Payback Period (years)	15
Capital Fee 0.50%	\$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,431</u>	<u>\$1,498</u>		
Total Cost over life of payback	\$7,179	\$7,285		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	11,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	875 kWh	0 kBTU	0 kBTU	
Base	7470 kWh	0 kBTU	0 kBTU	
Total (yr)	19,745 kWh	0 kBTU	0 kBTU	0 kBTU
	19600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Crawlspace Wall Insulation.
- Add 5.5" spray foam insulation to attic decking behind knee walls
- Add Rim Joist Insulation.
- Reduce whole house leakage to around 4000 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6381 kWh (Elec)	6,236 kWh (Elec)	6,236 kWh	0.11 /kWh	\$686
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

<p>\$9,748.00 Cost of Improvements (est):</p> <p>\$1,900.00 Customer Contribution</p> <p>\$500.00 Rebates - Utility - Resistance Hea</p> <p>\$314.84 Rebates - Utility - btu reduction</p>	<p>\$7,033.16 Utility Contribution</p> <p>\$7,040 Not to Exceed Amount (90% of Savings)</p> <p>@ 3%</p> <p>over 15 years</p> <p>\$51 Monthly Charge</p> <p>89% of projected savings</p>
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Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
3. Energy Specialist returns to inspect completed work
4. Savings begin and installments charge appears on utility bill.

If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$51		
Capital Investment	\$7,033	\$7,040		
Project Fee(s)	4.50% \$316	\$317	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,830</u>	<u>\$1,904</u>		
Total Cost over life of payback	\$9,180	\$9,260		

Account Holder: _____
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Energy Efficiency for Everyone



Fleming-Mason Energy
A Traditional Energy Cooperative

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Assessor	
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,380 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	435 kWh	0 kBTU	0 kBTU	0 kBTU
Base	10300 kWh	0 kBTU	0 kBTU	0 kBTU
Total (yr)	19,115 kWh	0 kBTU	0 kBTU	0 kBTU
	18900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Rim Joist Insulation.
- Reduce whole house leakage rate to 1300 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add Crawlspace Wall Insulation.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5136 kWh (Elec)	4,921 kWh (Elec)	4,921 kWh	0.11 /kWh	\$541
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$45
before monthly HowSmart Charge

Financing

\$8,300.00 Cost of Improvements (est):

\$5,550.00 Utility Contribution

\$2,250.00 Customer Contribution

\$5,556 Not to Exceed Amount (90% of Savings)

\$500.00 Rebates - Utility

@ 3%
over 15 years

\$40 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
3. Energy Specialist returns to inspect completed work
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If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$41		
Capital Investment	\$5,550	\$5,556		
Project Fee(s)	4.50% \$250	\$250	Payback Period (years)	15
Capital Fee	0.50% \$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,444</u>	<u>\$1,502</u>		
Total Cost over life of payback	\$7,244	\$7,308		

Account Holder: _____
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Energy Efficiency for Everyone



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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
Heating		11,200 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling		676 kWh	0 kBTU	0 kBTU	
Base		13800 kWh	0 kBTU	0 kBTU	
Total (yr)		25,676 kWh	0 kBTU	0 kBTU	0 kBTU
		25600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install unfaced R-19 insulation in floor under existing.
- Install cellulose in garage walls with plugs in garage side.
- Homeowner to air seal per contractor report to 1200 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6334 kWh (Elec)	6,258 kWh (Elec)	6,258 kWh	0.11 /kWh	\$688
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly How\$mart Charge

Financing

\$10,000.00	Cost of Improvements (est):	\$7,000.00	Utility Contribution
		\$7,065	Not to Exceed Amount (90% of Savings)
\$3,000.00	Customer Contribution	@ 3%	
		over 15 years	
		\$51	Monthly Charge
		88%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$51	\$52		
Capital Investment	\$7,000	\$7,065		
Project Fee(s)	4.50% \$315	\$318	Payback Period (years)	15
Capital Fee	0.50% \$35	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,821</u>	<u>\$1,910</u>		
Total Cost over life of payback	\$9,136	\$9,293		

Account Holder: _____
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Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	11,200 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	1990 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	11800 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	24,990 kWh	0 kBTU	0 kBTU	0 kBTU
	24700 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Vent all bath fans to exterior with dampers at the end.
- Have duct design and air returns assessed by HVAC professional.
- Install spray foam to rim joists and band boards as accessible.
- Install spray foam to crawl space walls and add sealed vapor barrier
- Install 5.5" spray foam to roof deck and gable ends
- Adjust and/or weatherstrip all exterior doors to create tighter seals.
- Reduce whole house air leakage to 1725 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4168 kWh (Elec)	3,878 kWh (Elec)	3,878 kWh	0.11 /kWh	\$427
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$36
before monthly How\$mart Charge

Financing

\$5,947.00 Cost of Improvements (est):

\$1,400.00 Customer Contribution

\$200.00 Rebates - Utility

\$4,347.00 Utility Contribution

\$4,378 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$32 Monthly Charge
89% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
3. Energy Specialist returns to inspect completed work
4. Savings begin and installments charge appears on utility bill.

If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$32	\$32		
Capital Investment	\$4,347	\$4,378		
Project Fee(s)	4.50% \$196	\$197	Payback Period (years)	15
Capital Fee	0.50% \$22	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,131</u>	<u>\$1,184</u>		
Total Cost over life of payback	\$5,674	\$5,759		

Account Holder: _____
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Date: _____

Owner: _____
print name

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Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	14,200 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2270 kWh	0 kBTU	0 kBTU	
Base	7290 kWh	0 kBTU	0 kBTU	
Total (yr)	23,760 kWh	0 kBTU	0 kBTU	0 kBTU
	23700 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Install R-19 insulation in floor and repair belly wrap.
Seal Duct Work to 10% of fan capacity.
Replace HVAC Heating with New HVAC Heating System.
Install Programmable Thermostat.
Replace HVAC Cooling with New HVAC Cooling System.
Reduce whole house air leakage from 2960 to 2000

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4460 kWh (Elec)	4,400 kWh (Elec)	4,400 kWh	0.11 /kWh	\$484
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$40
before monthly HowSmart Charge

Financing

\$6,800.00 **Cost of Improvements (est):**

\$4,950.00 **Utility Contribution**

\$1,550.00 **Customer Contribution**

\$4,967 Not to Exceed Amount (90% of Savings)

\$300.00 **Rebates - Utility**

@ 3%
over 15 years

\$36 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$36		
Capital Investment	\$4,950	\$4,967		
Project Fee(s)	4.50% \$223	\$224	Payback Period (years)	15
Capital Fee	0.50% \$25	\$25	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,288</u>	<u>\$1,343</u>		
Total Cost over life of payback	\$6,461	\$6,534		

Account Holder: _____
print name

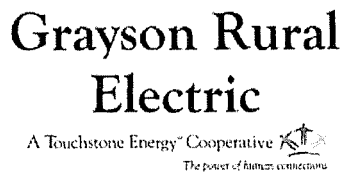
Date: _____

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print name

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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,520 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2130 kWh	0 kBTU	0 kBTU	
Base	13500 kWh	0 kBTU	0 kBTU	
Total (yr)	23,150 kWh	0 kBTU	0 kBTU	0 kBTU
	23200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install timer on pool pump.
- Repair/replace skirting around home.
- Reduce whole house leakage to 1100 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5032 kWh (Elec)	5,082 kWh (Elec)	5,082 kWh	0.11 /kWh	\$559
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly HowSmart Charge

Financing

\$7,550.00 **Cost of Improvements (est):**

\$1,350.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$5,700.00 **Utility Contribution**

\$5,737 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$41 **Monthly Charge**
89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$41	\$42		
Capital Investment	\$5,700	\$5,737		
Project Fee(s)	4.50% \$257	\$258	Payback Period (years)	15
Capital Fee	0.50% \$29	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,483</u>	<u>\$1,551</u>		
Total Cost over life of payback	\$7,440	\$7,547		

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How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	7,590 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	403 kWh	0 kBTU	0 kBTU	
Base	17400 kWh	0 kBTU	0 kBTU	
Total (yr)	25,393 kWh	0 kBTU	0 kBTU	0 kBTU
	25500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Reduce house leakage from 4726 - 1773 cfm50.
- Add Rim Joist Insulation.
- Add Vaulted Ceiling Insulation.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6083 kWh (Elec)	6,190 kWh (Elec)	6,190 kWh	0.11 /kWh	\$681
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

\$6,827.00 **Cost of Improvements (est):**

\$1,365.40 **Kentucky Home Performance**

\$404.74 **Rebates - Utility - btu reduction**

\$500.00 **Rebates - Utility - resistance heat**

\$4,556.86 Utility Contribution

\$6,988 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$33 Monthly Charge

58% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$33	\$51		
Capital Investment	\$4,557	\$6,988		
Project Fee(s)	4.50% \$205	\$314	Payback Period (years)	15
Capital Fee	0.50% \$23	\$35	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,186</u>	<u>\$1,890</u>		
Total Cost over life of payback	\$5,948	\$9,192		

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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	9,440 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	670 kWh	0 kBTU	0 kBTU	
Base	16900 kWh	0 kBTU	0 kBTU	
Total (yr)	27,010 kWh	0 kBTU	0 kBTU	0 kBTU
	26700 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Customer to install timer on pool pump.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4800 kWh (Elec)	4,490 kWh (Elec)	4,490 kWh	0.11 /kWh	\$494
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$41
before monthly How\$mart Charge

Financing

\$21,500.00 **Cost of Improvements (est):**

\$5,000.00 **Utility Contribution**

\$5,069 Not to Exceed Amount (90% of Savings)

\$16,500.00 **Customer Contribution**

@ 3%
over 15 years

\$36 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$37		
Capital Investment	\$5,000	\$5,069		
Project Fee(s)	4.50% \$225	\$228	Payback Period (years)	15
Capital Fee	0.50% \$25	\$25	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,301</u>	<u>\$1,371</u>		
Total Cost over life of payback	\$6,526	\$6,668		

Account Holder: _____
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How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	17,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	300 kWh	0 kBTU	0 kBTU	0 kBTU
Base	10600 kWh	0 kBTU	0 kBTU	0 kBTU
Total (yr)	28,000 kWh	0 kBTU	0 kBTU	0 kBTU
	27600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Air seal home down to a leakage rate of 5000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7259 kWh (Elec)	6,859 kWh (Elec)	6,859 kWh	0.11 /kWh	\$754
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$63
before monthly How\$mart Charge

Financing

\$5,000.00 **Cost of Improvements (est):**

\$4,500.00 **Utility Contribution**

\$500.00 **Rebates - Utility**

\$7,743 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$33 Monthly Charge

52% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$33	\$57		
Capital Investment	\$4,500	\$7,743		
Project Fee(s)	4.50% \$203	\$348	Payback Period (years)	15
Capital Fee	0.50% \$23	\$39	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,171</u>	<u>\$2,094</u>		
Total Cost over life of payback	\$5,873	\$10,186		

Account Holder: _____
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1440 kWh	0 kBTU	0 kBTU	0 kBTU
Base	20200 kWh	0 kBTU	0 kBTU	0 kBTU
Total (yr)	34,040 kWh	0 kBTU	0 kBTU	0 kBTU
	34100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce leakage by 300 cfm50
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7478 kWh (Elec)	7,538 kWh (Elec)	7,538 kWh	0.11 /kWh	\$829
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$69
before monthly How\$mart Charge

Financing

\$5,250.00 **Cost of Improvements (est):**

\$4,500.00 **Utility Contribution**

\$750.00 **Rebates - Utility**

\$8,510 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$33 Monthly Charge

47% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$33	\$62		
Capital Investment	\$4,500	\$8,510		
Project Fee(s)	4.50% \$203	\$383	Payback Period (years)	15
Capital Fee	0.50% \$23	\$43	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,171</u>	<u>\$2,301</u>		
Total Cost over life of payback	\$5,873	\$11,194		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone

Grayson Rural Electric

A Touchstone Energy[®] Cooperative
The power of human connections

Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
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Assessor	
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,650 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1340 kWh	0 kBTU	0 kBTU	
Base	14500 kWh	0 kBTU	0 kBTU	
Total (yr)	24,490 kWh	0 kBTU	0 kBTU	0 kBTU
	24100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal Duct Work to 10% of fan capacity.
- Reduce the house air leakage to 2200 cfm50.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4213 kWh (Elec)	3,823 kWh (Elec)	3,823 kWh	0.11 /kWh	\$421
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$35
before monthly HowSmart Charge

Financing

\$4,750.00 Cost of Improvements (est):

\$950.00 Kentucky Home Performance

\$3,800.00 Utility Contribution

\$4,316 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$28 Monthly Charge
79% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$28	\$32		
Capital Investment	\$3,800	\$4,316		
Project Fee(s)	4.50% \$171	\$194	Payback Period (years)	15
Capital Fee	0.50% \$19	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$989</u>	<u>\$1,167</u>		
Total Cost over life of payback	\$4,960	\$5,677		

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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	32,800 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1100 kWh	0 kBTU	0 kBTU	
Base	16400 kWh	0 kBTU	0 kBTU	
Total (yr)	50,300 kWh	0 kBTU	0 kBTU	0 kBTU
	49800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install R-19 insulation in floor.
- Add Rim Joist Insulation.
- Add Vaulted Ceiling Insulation.
- Install subfloor and drywall upstairs, door at bottom of stairs.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Insulate Duct Work.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
16202 kWh (Elec)	15,702 kWh (Elec)	15,702 kWh	0.11 /kWh	\$1,727
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$144
before monthly HowSmart Charge

Financing

\$15,036.00 **Cost of Improvements (est):**

\$14,536.00 **Utility Contribution**

\$500.00 **Rebates - Utility**

\$17,727 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$105 Monthly Charge

73% of projected savings

Next Steps

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 2. Select contractor and schedule the job
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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$105	\$130		
Capital Investment	\$14,536	\$17,727		
Project Fee(s)	4.50% \$654	\$798	Payback Period (years)	15
Capital Fee	0.50% \$73	\$89	Cost of Capital	3%
Total Interest over life of payback	<u>\$3,782</u>	<u>\$4,793</u>		
Total Cost over life of payback	\$18,972	\$23,317		

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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
 Heating	12,100 kWh	0 kBTU	0 kBTU	0 kBTU
 Cooling	1680 kWh	0 kBTU	0 kBTU	0 kBTU
 Base	11900 kWh	0 kBTU	0 kBTU	0 kBTU
Total (yr)	25,680 kWh	0 kBTU	0 kBTU	0 kBTU
	25300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Vaulted Ceiling Insulation.
- Add Rim Joist Insulation.
- Reduce house air leakage from 5286 to 2500 cfm50.
- 5. Seal all exterior doors as needed by adjusting latches, adding weatherstripping, and/or installing door sweeps.
- 4. Install clear latex caulking to gaps around windows and storms from outside.
- 3. Install fireplace balloon to minimize leakage in old flue.
- 2. Caulk and/or spray foam newly installed trim, gaps in ceiling, and gaps in exterior walls in addition area.
- 1. Install casings to doors in addition area.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5673 kWh (Elec)	5,293 kWh (Elec)	5,293 kWh	0.11 /kWh	\$582
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$49
before monthly HowSmart Charge

Financing

\$6,005.50 **Cost of Improvements (est):**

\$1,201.10 **Kentucky Home Performance**

\$4,804.40 Utility Contribution

\$5,975 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$35 Monthly Charge
72% of projected savings

Next Steps

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$35	\$44		
Capital Investment	\$4,804	\$5,975		
Project Fee(s)	4.50% \$216	\$269	Payback Period (years)	15
Capital Fee	0.50% \$24	\$30	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,250</u>	<u>\$1,616</u>		
Total Cost over life of payback	\$6,271	\$7,860		

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How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	7,950 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1320 kWh	0 kBTU	0 kBTU	
Base	15700 kWh	0 kBTU	0 kBTU	
Total (yr)	24,970 kWh	0 kBTU	0 kBTU	0 kBTU
	25000 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace duct work in crawl space
- Add Rim Joist Insulation.
- Add Crawlspace Wall Insulation.
- Install 5.5" of spray foam to underside of roof deck.
- 5. Sealing of ductwork mentioned elsewhere in report will contribute to reduction of air leakage.
- 4. Air seal all major penetrations (where accessible) in attic and crawl space as needed.
- 3. Install baseboards where missing in kitchen, as well as shoe molding.
- 2. Install trim where missing on back door and kitchen opening, caulk all edges.
- 1. Air seal all four exterior doors with weatherstripping or by adjusting them, or both if needed.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5144 kWh (Elec)	5,174 kWh (Elec)	5,174 kWh	0.11 /kWh	\$569
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly How\$mart Charge

Financing

\$7,278.00 **Cost of Improvements (est):**

\$1,455.60 **Kentucky Home Performance**

\$579.89 **Rebates - Utility**

\$5,242.51 **Utility Contribution**

\$5,841 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

\$38 Monthly Charge

80% of projected savings

Next Steps

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$38	\$43		
Capital Investment	\$5,243	\$5,841		
Project Fee(s)	4.50% \$236	\$263	Payback Period (years)	15
Capital Fee	0.50% \$26	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,364</u>	<u>\$1,579</u>		
Total Cost over life of payback	\$6,843	\$7,683		

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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
 Heating	6,940 kWh	0 kBTU	0 kBTU	0 kBTU
 Cooling	407 kWh	0 kBTU	0 kBTU	
 Base	11000 kWh	0 kBTU	0 kBTU	
Total (yr)	18,347 kWh	0 kBTU	0 kBTU	0 kBTU
	18300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage from 2770 to 1900 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3552 kWh (Elec)	3,505 kWh (Elec)	3,505 kWh	0.11 /kWh	\$386
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$32
before monthly How\$mart Charge

Financing

\$6,500.00 **Cost of Improvements (est):**

\$3,950.00 **Utility Contribution**

\$2,550.00 **Customer Contribution**

\$3,957 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$29 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$29	\$29		
Capital Investment	\$3,950	\$3,957		
Project Fee(s)	4.50% \$178	\$178	Payback Period (years)	15
Capital Fee	0.50% \$20	\$20	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,028</u>	<u>\$1,070</u>		
Total Cost over life of payback	\$5,156	\$5,205		

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Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	17,100 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	4340 kWh	0 kBTU	0 kBTU	
Base	15200 kWh	0 kBTU	0 kBTU	
Total (yr)	36,640 kWh	0 kBTU	0 kBTU	0 kBTU
	36500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Insulation in attic to 15" total from existing.
- Air seal home to 3200 cfm50 if possible.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7100 kWh (Elec)	6,960 kWh (Elec)	6,960 kWh	0.12 /kWh	\$835
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$70
before monthly HowSmart Charge

Financing

\$8,960.00 Cost of Improvements (est):

\$500.00 Rebates - Utility

\$8,460.00 Utility Contribution

\$8,572 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$61 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$61	\$63		
Capital Investment	\$8,460	\$8,572		
Project Fee(s)	4.50% \$381	\$386	Payback Period (years)	15
Capital Fee	0.50% \$42	\$43	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,201</u>	<u>\$2,318</u>		
Total Cost over life of payback	\$11,042	\$11,275		

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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	12,300 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	515 kWh	0 kBTU	0 kBTU	
Base	13600 kWh	0 kBTU	0 kBTU	
Total (yr)	26,415 kWh	0 kBTU	0 kBTU	0 kBTU
	22200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal off old flue to wood burner.
- Seal around window trim.
- Seal where recessed cabinet was.
- Finish Bathroom Remodel and seal around tub.
- Seal Wall cavity from attic and crawlspace where return and recessed oven is.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
9100 kWh (Elec)	4,885 kWh (Elec)	4,885 kWh	0.12 /kWh	\$586
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$49

before monthly HowSmart Charge

Financing

\$6,000.00 Cost of Improvements (est):
\$1,200.00 Kentucky Home Performance
\$500.00 Rebates - Utility

\$4,300.00 Utility Contribution
\$4,303 Not to Exceed Amount (90% of Savings)

@ 3%
 over 10 years

\$44 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$44	\$44		
Capital Investment	\$4,300	\$4,303		
Project Fee(s)	4.50% \$194	\$194	Payback Period (years)	10
Capital Fee	0.50% \$22	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$738</u>	<u>\$780</u>		
Total Cost over life of payback	\$5,232	\$5,276		

Account Holder: _____
print name
Date: _____

Owner: _____
print name
Date: _____





Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	2,243 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	1407 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	12732 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	16,382 kWh	0 kBTU	0 kBTU	0 kBTU
	16382 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal Duct work going into ceiling
- Seal Duct Work to 10% of fan capacity.
- Install insulaiton covers on recepticals and switches
- Weather Strip Doors
- Insulate Attic Access Entrance
- Replace Damaged and Missing Insulaiton in floor
- Seal and caulk wiring and plumbing penetrations
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1500 kWh (Elec)	1,500 kWh (Elec)	1,500 kWh	0.12 /kWh	\$180
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$15
before monthly How\$mart Charge

Financing

\$7,000.00	Cost of Improvements (est):	\$1,700.00	Utility Contribution
		\$1,847	Not to Exceed Amount (90% of Savings)
\$4,800.00	Customer Contribution		
\$500.00	Rebates - Utility	@ 3%	
		over 15 years	
		\$12	Monthly Charge
		82%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$12	\$14		
Capital Investment	\$1,700	\$1,847		
Project Fee(s)	4.50% \$77	\$83	Payback Period (years)	15
Capital Fee	0.50% \$9	\$9	Cost of Capital	3%
Total Interest over life of payback	<u>\$442</u>	<u>\$500</u>		
Total Cost over life of payback	\$2,219	\$2,430		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔧 Heating	5,507 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	860 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	10276 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	16,643 kWh	0 kBTU	0 kBTU	0 kBTU
	16643 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install Moisture barrier 6mil black plastic lap on wall and peers 12"
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3574 kWh (Elec)	3,574 kWh (Elec)	3,574 kWh	0.12 /kWh	\$429
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$36
before monthly HowSmart Charge

Financing

\$7,350.00 Cost of Improvements (est):

\$2,500.00 Customer Contribution

\$500.00 Rebates - Utility

\$4,350.00 Utility Contribution

\$4,402 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$32 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
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Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$32	\$32		
Capital Investment	\$4,350	\$4,402		
Project Fee(s)	4.50% \$196	\$198	Payback Period (years)	15
Capital Fee	0.50% \$22	\$22	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,132</u>	<u>\$1,190</u>		
Total Cost over life of payback	\$5,678	\$5,790		

Account Holder: _____
print name
Date: _____

Owner: _____
print name
Date: _____





Location ID:	Customer Information Removed for Privacy.
Name	
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	4,380 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	3060 kWh	0 kBTU	0 kBTU	
Base	10800 kWh	0 kBTU	0 kBTU	
Total (yr)	18,240 kWh	0 kBTU	0 kBTU	0 kBTU
	15100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install moisture barrier 6 mil black plastic lap on walls and peers 12"
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Caulk and seal plumbing penetrations thru floor.
- Install R-19 insulation in floor where missing.
- Reduce Airleakage from 1345 to 1046

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4370 kWh (Elec)	1,230 kWh (Elec)	1,230 kWh	0.12 /kWh	\$148
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$12
before monthly How\$mart Charge

Financing

\$7,700.00 Cost of Improvements (est):

\$1,500.00 Utility Contribution

\$5,700.00 Customer Contribution

\$1,515 Not to Exceed Amount (90% of Savings)

\$500.00 Rebates - Utility

@ 3%
over 15 years

\$11 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$11	\$11		
Capital Investment	\$1,500	\$1,515		
Project Fee(s)	4.50%	\$68	\$68	Payback Period (years) 15
Capital Fee	0.50%	\$8	\$8	Cost of Capital 3%
Total Interest over life of payback	<u>\$390</u>	<u>\$410</u>		
Total Cost over life of payback	\$1,958	\$1,993		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
	Heating	12,684 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	3500 kWh	0 kBTU	0 kBTU	
	Base	12500 kWh	0 kBTU	0 kBTU	
=	Total (yr)	28,684 kWh	0 kBTU	0 kBTU	0 kBTU
		28684 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal Duct Work to 10% of fan capacity.
- Seal around windows and doors with caulking
- Air seal Freshair intake on indoor furnace

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5500 kWh (Elec)	5,500 kWh (Elec)	5,500 kWh	0.12 /kWh	\$660
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$55
before monthly How\$mart Charge

Financing

\$6,800.00 **Cost of Improvements (est):**

\$3,500.00 **Utility Contribution**

\$2,800.00 **Customer Contribution**

\$3,540 Not to Exceed Amount (90% of Savings)

\$500.00 **Rebates - Utility**

@ 3%
over 7 years

\$49 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$49	\$50		
Capital Investment	\$3,500	\$3,540		
Project Fee(s)	4.50% \$158	\$159	Payback Period (years)	7
Capital Fee	0.50% \$18	\$18	Cost of Capital	3%
Total Interest over life of payback	<u>\$421</u>	<u>\$459</u>		
Total Cost over life of payback	\$4,079	\$4,158		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	7,140 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	1770 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	13100 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	22,010 kWh	0 kBTU	0 kBTU	0 kBTU
	22100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Geothermal Cooling System.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Geothermal Heating System.
- Seal Duct Boots to Subfloor

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3382 kWh (Elec)	3,472 kWh (Elec)	3,472 kWh	0.12 /kWh	\$417
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$35
before monthly How\$mart Charge

Financing

\$11,835.00 Cost of Improvements (est):	\$4,235.00 Utility Contribution	
	\$4,276	Not to Exceed Amount (90% of Savings)
\$7,600.00 Customer Contribution	@ 3%	
	over 15 years	
	\$31	Monthly Charge
		88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$31	\$31		
Capital Investment	\$4,235	\$4,276		
Project Fee(s)	4.50% \$191	\$192	Payback Period (years)	15
Capital Fee	0.50% \$21	\$21	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,102</u>	<u>\$1,156</u>		
Total Cost over life of payback	\$5,528	\$5,625		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

model baseline		Elec	Gas	Propane	Wood/Coal
	Heating	3,400 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	680 kWh	0 kBTU	0 kBTU	
	Base	11000 kWh	0 kBTU	0 kBTU	
=	Total (yr)	15,080 kWh	0 kBTU	0 kBTU	0 kBTU
		14900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1766 kWh (Elec)	1,586 kWh (Elec)	1,586 kWh	0.12 /kWh	\$190
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$16
before monthly How\$mart Charge

Financing

\$5,000.00	Cost of Improvements (est):	\$1,950.00	Utility Contribution
		\$1,953	Not to Exceed Amount (90% of Savings)
\$2,550.00	Customer Contribution	@ 3%	
\$500.00	Rebates - Utility - resistance heat	over 15	years
		\$14	Monthly Charge
		89%	of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$14	\$14		
Capital Investment	\$1,950	\$1,953		
Project Fee(s)	4.50% \$88	\$88	Payback Period (years)	15
Capital Fee	0.50% \$10	\$10	Cost of Capital	3%
Total Interest over life of payback	<u>\$507</u>	<u>\$528</u>		
Total Cost over life of payback	\$2,545	\$2,569		

Account Holder: _____
print name

Date: _____

Owner: _____
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Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	2,000 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	150 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	7396 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	9,546 kWh	0 kBTU	0 kBTU	0 kBTU
	9546 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal and caulkd plumbing and wiring penetrations in floor.
- Install moisture barrier 6 mil black plastic lap on wall and peers 12"
- Seal and Culk around garden tub
- Seal Freashair Intake at furnace
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
550 kWh (Elec)	550 kWh (Elec)	550 kWh	0.12 /kWh	\$66
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$6
before monthly HowSmart Charge

Financing

<p>\$7,500.00 Cost of Improvements (est):</p> <p>\$6,740.00 Customer Contribution</p> <p>\$500.00 Rebates - Utility</p>	<p>\$260.00 Utility Contribution</p> <p style="background-color: #e0e0e0; padding: 2px;">\$260 Not to Exceed Amount (90% of Savings)</p> <p>@ 3% over 5 years</p> <p style="background-color: #e0e0e0; padding: 2px;">\$5 Monthly Charge</p> <p>89% of projected savings</p>
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Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$5	\$5		
Capital Investment	\$260	\$260		
Project Fee(s)	4.50% \$12	\$12	Payback Period (years)	5
Capital Fee	0.50% \$1	\$1	Cost of Capital	3%
Total Interest over life of payback	<u>\$23</u>	<u>\$25</u>		
Total Cost over life of payback	\$294	\$297		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
	Heating	7,000 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	544 kWh	0 kBTU	0 kBTU	
	Base	7250 kWh	0 kBTU	0 kBTU	
=	Total (yr)	14,794 kWh	0 kBTU	0 kBTU	0 kBTU
		14600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3100 kWh (Elec)	2,906 kWh (Elec)	2,906 kWh	0.12 /kWh	\$349
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$29
before monthly How\$mart Charge

Financing

\$4,500.00	Cost of Improvements (est):	\$3,500.00	Utility Contribution
		\$3,579	Not to Exceed Amount (90% of Savings)
\$500.00	Customer Contribution		
\$500.00	Rebates - Utility	@ 3%	
		over 15 years	
		\$25	Monthly Charge
			87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but not limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$25	\$26		
Capital Investment	\$3,500	\$3,579		
Project Fee(s)	4.50%	\$158	\$161	Payback Period (years) 15
Capital Fee	0.50%	\$18	\$18	Cost of Capital 3%
Total Interest over life of payback	<u>\$911</u>	<u>\$968</u>		
Total Cost over life of payback	\$4,568	\$4,708		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Location ID:	Customer Information Removed for Privacy.
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OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
	Heating	4,680 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1900 kWh	0 kBTU	0 kBTU	
	Base	9370 kWh	0 kBTU	0 kBTU	
	Total (yr)	15,950 kWh	0 kBTU	0 kBTU	0 kBTU
		15800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal to a new leakage rate of 811 - 1325 cfm50 if possible.
- Install R-19 insulation in floor and new vapor barrier.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1100 kWh (Elec)	950 kWh (Elec)	950 kWh	0.12 /kWh	\$114
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$10
before monthly HowSmart Charge

Financing

<p>\$4,000.00 Cost of Improvements (est):</p> <p>\$2,350.00 Customer Contribution</p> <p>\$500.00 Rebates - Utility</p>	<p>\$1,150.00 Utility Contribution</p> <p style="padding-left: 20px;">\$1,170 Not to Exceed Amount (90% of Savings)</p> <p style="padding-left: 20px;">@ 3%</p> <p style="padding-left: 20px;">over 15 years</p> <p style="text-align: center;">\$8 Monthly Charge</p> <p style="text-align: center;">88% of projected savings</p>
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Next Steps

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$8	\$9		
Capital Investment	\$1,150	\$1,170		
Project Fee(s)	4.50% \$52	\$53	Payback Period (years)	15
Capital Fee	0.50% \$6	\$6	Cost of Capital	3%
Total Interest over life of payback	<u>\$299</u>	<u>\$316</u>		
Total Cost over life of payback	\$1,501	\$1,539		

Account Holder: _____
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print name

Date: _____



Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	7,610 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	2280 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	9530 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	19,420 kWh	0 kBTU	0 kBTU	0 kBTU
	18800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install vapor barrier and R-19 insulation in floor where missing/hanging.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Install New Duct Work, Sealed to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Air seal to somewhere in the range of 1650 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5963 kWh (Elec)	5,343 kWh (Elec)	5,343 kWh	0.12 /kWh	\$641
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$53
before monthly HowSmart Charge

Financing

\$11,129.45 **Cost of Improvements (est):**

\$6,529.45 **Utility Contribution**

\$4,600.00 **Customer Contribution**

\$6,580

Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$47 **Monthly Charge**

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
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- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$47	\$48		
Capital Investment	\$6,529	\$6,580		
Project Fee(s)	4.50% \$294	\$296	Payback Period (years)	15
Capital Fee	0.50% \$33	\$33	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,699</u>	<u>\$1,779</u>		
Total Cost over life of payback	\$8,522	\$8,656		

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How\$martKY

Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	8,340 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1220 kWh	0 kBTU	0 kBTU	
Base	9650 kWh	0 kBTU	0 kBTU	
Total (yr)	19,210 kWh	0 kBTU	0 kBTU	0 kBTU
	19200 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install new vapor barrier in crawl space
- Seal home to a new leakage rate of 1550 cfm if possible.
- Air seal plumbing and wiring penetrations in attic and crawl.
- Air seal master tub with caulking.
- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Install new duct work, with leakage rate of 10% or less.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5743 kWh (Elec)	5,733 kWh (Elec)	5,733 kWh	0.12 /kWh	\$688
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$57
before monthly HowSmart Charge

Financing

\$8,011.63 Cost of Improvements (est):

\$500.00 Customer Contribution

\$500.00 Rebates - Utility

\$7,011.63 Utility Contribution

\$7,061 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$51 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

		<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge		\$51	\$52		
Capital Investment		\$7,012	\$7,061		
Project Fee(s)	4.50%	\$316	\$318	Payback Period (years)	15
Capital Fee	0.50%	\$35	\$35	Cost of Capital	3%
Total Interest over life of payback		<u>\$1,824</u>	<u>\$1,909</u>		
Total Cost over life of payback		\$9,152	\$9,287		

Account Holder: _____
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print name

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How\$martKY

Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
🔥	Heating	0 kWh	0 kBTU	0 kBTU	0 kBTU
❄️	Cooling	0 kWh	0 kBTU	0 kBTU	
⚡	Base	0 kWh	0 kBTU	0 kBTU	
=	Total (yr)	0 kWh	0 kBTU	0 kBTU	0 kBTU
		0 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Add Insulation in attic to 12" total from existing.
- Silicone cracks in wall and ceiling in garage enclosure.
- Air seal plugs and switches on exterior walls.
- Reduce whole house air leakage to 1850 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1650 kWh (Elec)	1,650 kWh (Elec)	1,650 kWh	0.12 /kWh	\$198
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$17
before monthly How\$mart Charge

Financing

\$6,200.00	Cost of Improvements (est):	\$2,000.00	Utility Contribution
		\$2,032	Not to Exceed Amount (90% of Savings)
\$3,700.00	Customer Contribution		
\$500.00	Rebates - Utility	@ 3%	
		over 15 years	
		\$15	Monthly Charge
			88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$15	\$15		
Capital Investment	\$2,000	\$2,032		
Project Fee(s)	4.50%	\$90	\$91	Payback Period (years) 15
Capital Fee	0.50%	\$10	\$10	Cost of Capital 3%
Total Interest over life of payback	<u>\$520</u>	<u>\$549</u>		
Total Cost over life of payback	\$2,610	\$2,673		

Account Holder: _____
print name

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Date: _____



Energy Efficiency for Everyone



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Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	7,840 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	280 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	7290 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	15,410 kWh	0 kBTU	0 kBTU	0 kBTU
	15100 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Cooling with New HVAC Cooling System.
- Seal Duct Work to 10% of fan capacity.
- Air seal switches and outlets with foam gaskets and child proof inserts.
- Air seal window in kitchen.
- Seal damper in fireplace.
- Air seal brick around fireplace.
- Insulate and air seal attic hatch in master closet.
- Insulate and air seal closet at end of hall where air handler is located.
- Seal or remove attic exhaust fan.
- Reduce whole house leakage rate to 2000 cfm50 if possible.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4372 kWh (Elec)	4,062 kWh (Elec)	4,062 kWh	0.12 /kWh	\$487
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$41
before monthly How\$mart Charge

Financing

\$7,000.00	Cost of Improvements (est):	\$5,000.00	Utility Contribution
		\$5,003	Not to Exceed Amount (90% of Savings)
\$1,500.00	Customer Contribution		
\$500.00	Rebates - Utility	@ 3%	
		over 15 years	
		\$36	Monthly Charge
			89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
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 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$36	\$37		
Capital Investment	\$5,000	\$5,003		
Project Fee(s)	4.50% \$225	\$225	Payback Period (years)	15
Capital Fee	0.50% \$25	\$25	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,301</u>	<u>\$1,353</u>		
Total Cost over life of payback	\$6,526	\$6,580		

Account Holder: _____
print name

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Energy Efficiency for Everyone



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Date	

How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
	Heating	5,290 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	2080 kWh	0 kBTU	0 kBTU	
	Base	13500 kWh	0 kBTU	0 kBTU	
=	Total (yr)	20,870 kWh	0 kBTU	0 kBTU	0 kBTU
		20600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add 6 square feet of Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Insulate Duct Work.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install vapor barrier in crawl space.
- Install R-19 insulation in floor.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4185 kWh (Elec)	3,915 kWh (Elec)	3,915 kWh	0.12 /kWh	\$470
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$39
before monthly How\$mart Charge

Financing

\$8,511.24 Cost of Improvements (est):

\$3,200.00 Customer Contribution

\$667.32 Rebates - Utility

\$4,643.92 Utility Contribution

\$4,822 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$34 Monthly Charge

86% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$34	\$35		
Capital Investment	\$4,644	\$4,822		
Project Fee(s)	4.50% \$209	\$217	Payback Period (years)	15
Capital Fee	0.50% \$23	\$24	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,208</u>	<u>\$1,304</u>		
Total Cost over life of payback	\$6,061	\$6,342		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	7,900 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	126 kWh	0 kBTU	0 kBTU	
Base	9210 kWh	0 kBTU	0 kBTU	
Total (yr)	17,236 kWh	0 kBTU	0 kBTU	0 kBTU
	16800 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1891 kWh (Elec)	1,455 kWh (Elec)	1,455 kWh	0.12 /kWh	\$175
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$15
before monthly HowSmart Charge

Financing

\$7,500.00 **Cost of Improvements (est):**

\$1,790.00 **Utility Contribution**

\$5,710.00 **Customer Contribution**

\$1,792 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$13 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

Values on previous page are estimates only and are not a guarantee of savings. Energy savings are a best-effort estimation calculated using a computer model. The model takes into account previous usage and characteristics of the house to determine usage and potential savings. Actual savings will vary depending on behavior, weather events, maintenance of the efficiency improvements, and future utility rates.

The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$13	\$13		
Capital Investment	\$1,790	\$1,792		
Project Fee(s)	4.50%	\$81	\$81	Payback Period (years) 15
Capital Fee	0.50%	\$9	\$9	Cost of Capital 3%
Total Interest over life of payback	<u>\$466</u>	<u>\$485</u>		
Total Cost over life of payback	\$2,336	\$2,357		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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Date	

How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	10,000 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	563 kWh	0 kBTU	0 kBTU	
Base	19600 kWh	0 kBTU	0 kBTU	
Total (yr)	30,163 kWh	0 kBTU	0 kBTU	0 kBTU
	30300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace broken window
- Install Moisture barrier 6 mil black plastic lap on walls and piers 12"
- Replace HVAC Heating with New HVAC Heating System. 3.5 ton
- Replace HVAC Cooling with New HVAC Cooling System. 3.5 ton
- Install Programmable Thermostat.
- Remove flex duct and seal off area to existing duct work
- Complete underpinning
- Caulk and seal marrage wall at top and bottom
- Reduce air leakage from 1960 to 1500 if possible

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6170 kWh (Elec)	6,307 kWh (Elec)	6,307 kWh	0.12 /kWh	\$757
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$63
before monthly HowSmart Charge

Financing

\$9,325.00 **Cost of Improvements (est):**

\$650.00 **Customer Contribution**

\$500.00 **Rebates - Utility**

\$8,175.00 **Utility Contribution**

\$7,768 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$59 **Monthly Charge**

94% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$59	\$57		
Capital Investment	\$8,175	\$7,768		
Project Fee(s)	4.50% \$368	\$350	Payback Period (years)	15
Capital Fee	0.50% \$41	\$39	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,127</u>	<u>\$2,100</u>		
Total Cost over life of payback	\$10,670	\$10,217		

Account Holder: _____
print name _____
Date: _____

Owner: _____
print name _____
Date: _____





Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	22,600 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	545 kWh	0 kBTU	0 kBTU	
⚡ Base	11700 kWh	0 kBTU	0 kBTU	
= Total (yr)	34,845 kWh	0 kBTU	0 kBTU	0 kBTU
	25300 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Install Programmable Thermostat.
- Seal Duct Work to 10% of fan capacity.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 4900 cfm50 or lower.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
14257 kWh (Elec)	4,712 kWh (Elec)	4,712 kWh	0.12 /kWh	\$565
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly How\$mart Charge

Financing

\$6,000.00 Cost of Improvements (est):

\$5,500.00 Utility Contribution

\$500.00 Rebates - Utility

\$5,803 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$40 Monthly Charge

85% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$40	\$42		
Capital Investment	\$5,500	\$5,803		
Project Fee(s)	4.50%	\$248	\$261	Payback Period (years) 15
Capital Fee	0.50%	\$28	\$29	Cost of Capital 3%
Total Interest over life of payback	<u>\$1,431</u>	<u>\$1,569</u>		
Total Cost over life of payback	\$7,179	\$7,633		

Account Holder: _____
print name

Date: _____

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print name

Date: _____





Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
🔥	Heating	6,700 kWh	0 kBTU	0 kBTU	0 kBTU
❄️	Cooling	1230 kWh	0 kBTU	0 kBTU	
⚡	Base	7760 kWh	0 kBTU	0 kBTU	
=	Total (yr)	15,690 kWh	0 kBTU	0 kBTU	0 kBTU
		15400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install R-19 insulation in floor and new vapor barrier.
- Reduce house leakage to 1000 cfm50 if possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4152 kWh (Elec)	3,862 kWh (Elec)	3,862 kWh	0.12 /kWh	\$463
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$39
before monthly HowSmart Charge

Financing

\$6,500.00 Cost of Improvements (est):

\$1,250.00 Customer Contribution

\$500.00 Rebates - Utility

\$4,750.00 Utility Contribution

\$4,756 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$34 Monthly Charge

89% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$34	\$35		
Capital Investment	\$4,750	\$4,756		
Project Fee(s)	4.50% \$214	\$214	Payback Period (years)	15
Capital Fee	0.50% \$24	\$24	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,236</u>	<u>\$1,286</u>		
Total Cost over life of payback	\$6,200	\$6,256		

Account Holder: _____
print name

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Owner: _____
print name

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Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	9,960 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	2430 kWh	0 kBTU	0 kBTU	
Base	15200 kWh	0 kBTU	0 kBTU	
Total (yr)	27,590 kWh	0 kBTU	0 kBTU	0 kBTU
	27400 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Homeowner to install as much R-19 insulation in floor as possible.
- Add insulation in attic to 15" total from existing.
- Install Programmable Thermostat.
- Replace HVAC Heating with New HVAC Heating System.
- Replace truck line and seal duct work to below 10% leakage
- Replace HVAC Cooling with New HVAC Cooling System.
- Homeowner to do as much air sealing as possible.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4851 kWh (Elec)	4,661 kWh (Elec)	4,661 kWh	0.12 /kWh	\$559
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly HowSmart Charge

Financing

\$5,600.00 **Cost of Improvements (est):**

\$500.00 **Rebates - Utility**

\$5,100.00 **Utility Contribution**

\$5,740 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$37 Monthly Charge

79% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

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Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$37	\$42		
Capital Investment	\$5,100	\$5,740		
Project Fee(s)	4.50% \$230	\$258	Payback Period (years)	15
Capital Fee	0.50% \$26	\$29	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,327</u>	<u>\$1,552</u>		
Total Cost over life of payback	\$6,657	\$7,551		

Account Holder: _____
print name

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Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

model baseline	Elec	Gas	Propane	Wood/Coal
Heating	10,400 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	3090 kWh	0 kBTU	0 kBTU	
Base	12110 kWh	0 kBTU	0 kBTU	
Total (yr)	25,600 kWh	0 kBTU	0 kBTU	0 kBTU
	25600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Seal Attic entrance
- Install new moisture barrier 6 mil black plastic lap on walls and piers 12"
- seal under stair well where water heater is
- Install switch and receptical gasgets under covers
- Seal plumbing penetrations
- Seal Duct Work to 10% of fan capacity
- Replace Interior doors to attic and garage with Exterior Doors
- Seal from 2960 cfm to 2160 or lower
- Replace HVAC Heating with New HVAC Heating System (2 Systems)
- Replace HVAC Cooling with New HVAC Cooling System (2 Systems)

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4300 kWh (Elec)	4,300 kWh (Elec)	4,300 kWh	0.12 /kWh	\$516
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$43
before monthly How\$mart Charge

Financing

\$7,600.00 **Cost of Improvements (est):**

 \$3,400.00 **Customer Paid for Item(s)**
 \$500.00 **Rebates - Utility**

\$3,700.00 Utility Contribution
 \$3,787 Not to Exceed Amount (90% of Savings)
 @ 3%
 over 10 years
\$38 Monthly Charge
 87% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$38	\$39		
Capital Investment	\$3,700	\$3,787		
Project Fee(s)	4.50%	\$167	\$170	Payback Period (years) 10
Capital Fee	0.50%	\$19	\$19	Cost of Capital 3%
Total Interest over life of payback	<u>\$635</u>	<u>\$686</u>		
Total Cost over life of payback	\$4,502	\$4,644		

Account Holder: _____
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Date: _____

Owner: _____
print name

Date: _____



How\$martKY

Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
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How Your Home Uses Energy

<i>model baseline</i>		Elec	Gas	Propane	Wood/Coal
🔥	Heating	3,371 kWh	0 kBTU	0 kBTU	0 kBTU
❄️	Cooling	1650 kWh	0 kBTU	0 kBTU	
⚡	Base	13312 kWh	0 kBTU	0 kBTU	
=	Total (yr)	18,333 kWh	0 kBTU	0 kBTU	0 kBTU
		18333 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Install Insulated door into basement
- Seal around light over sink in kitchen
- Seal Returns in wall to attic
- Caulk and seal plumbing penetrations in floor

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2550 kWh (Elec)	2,550 kWh (Elec)	2,550 kWh	0.12 /kWh	\$306
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$26
before monthly How\$mart Charge

Financing

\$7,878.95 Cost of Improvements (est):

\$4,490.00 Customer Contribution

\$500.00 Rebates - Utility

\$2,888.95 Utility Contribution

\$3,141 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$21 **Monthly Charge**

82% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

Acceptance:

I understand that:

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The Utility has explained what I can do to reduce my energy consumption including, but no limited to: thermostat and other equipment settings, the impact of lighting changes, and additional appliance or home investments not covered under How\$martKY.

Value of the improvements (cost of work) is an estimate and will be verified with the selected contractor. Final monthly charge will be determined at the time of contractor selection. If final project cost is more than the "not to exceed" amount, then customer may opt out of the installation.

Non-payment of the charge will be treated like non-payment of the utility bill potentially resulting in disconnection of service.

The Kentucky Energy Retrofit Rider (marketed as How\$martKY) is a voluntary utility tariff that amortizes the cost of the efficiency improvement over the course of fifteen years or 75% of the expected life of the improvement (whichever is less) at a fixed interest rate. The expected cumulative cost to the customer over the course of the payback period of the improvements is as follows:

	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$21	\$23		
Capital Investment	\$2,889	\$3,141		
Project Fee(s)	4.50%	\$130	\$141	Payback Period (years) 15
Capital Fee	0.50%	\$14	\$16	Cost of Capital 3%
Total Interest over life of payback	<u>\$752</u>	<u>\$849</u>		
Total Cost over life of payback	\$3,771	\$4,131		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



Location ID:	Customer Information Removed for Privacy.
Name	
OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	13,000 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	828 kWh	0 kBTU	0 kBTU	
Base	6530 kWh	0 kBTU	0 kBTU	
Total (yr)	20,358 kWh	0 kBTU	0 kBTU	0 kBTU
	18000 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace hollow core exterior door with insulated metal door.
- Repair or replace damaged/missing R-19 insulation in floor.
- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Reduce whole house leakage rate to 5000 cfm50 if possible

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
6530 kWh (Elec)	4,172 kWh (Elec)	4,172 kWh	0.12 /kWh	\$501
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.50 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$42
before monthly How\$mart Charge

Financing

\$10,176.50 Cost of Improvements (est):

\$4,600.00 Customer Contribution

\$500.00 Rebates - Utility - Resistance Hea

\$5,076.50 Utility Contribution

\$5,138 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$37 Monthly Charge

88% of projected savings

Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$37	\$38		
Capital Investment	\$5,077	\$5,138		
Project Fee(s)	4.50% \$228	\$231	Payback Period (years)	15
Capital Fee	0.50% \$25	\$26	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,321</u>	<u>\$1,389</u>		
Total Cost over life of payback	\$6,626	\$6,759		

Account Holder: _____
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Owner: _____
print name

Date: _____



Energy Efficiency for Everyone



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Date	

How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	5,700 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	1340 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	20900 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	27,940 kWh	0 kBTU	0 kBTU	0 kBTU
	26500 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Add Insulation in attic to 15" total from existing.
- Replace HVAC Heating with New HVAC Heating System.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal plumbing penetrations
- Seal and weather strip exterior doors
- Seal between joists and insulate using 1" foam board
- Seal around Fireplace

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
4259 kWh (Elec)	2,819 kWh (Elec)	2,819 kWh	0.12 /kWh	\$338
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$28
before monthly How\$mart Charge

Financing

<p>\$7,806.25 Cost of Improvements (est):</p> <p>\$3,900.00 Customer Contribution</p> <p>\$500.00 Rebates - Utility</p>	<p>\$3,406.25 Utility Contribution</p> <p style="padding-left: 20px;">\$3,472 Not to Exceed Amount (90% of Savings)</p> <p style="padding-left: 20px;">@ 3%</p> <p style="padding-left: 20px;">over 15 years</p> <p style="padding-left: 20px;">\$25 Monthly Charge</p> <p style="padding-left: 20px;">88% of projected savings</p>	
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Next Steps

1. Sign Purchase Agreement
 2. Select contractor and schedule the job
 3. Energy Specialist returns to inspect completed work
 4. Savings begin and installments charge appears on utility bill.
- If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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		<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge		\$25	\$25		
Capital Investment		\$3,406	\$3,472		
Project Fee(s)	4.50%	\$153	\$156	Payback Period (years)	15
Capital Fee	0.50%	\$17	\$17	Cost of Capital	3%
Total Interest over life of payback		<u>\$886</u>	<u>\$939</u>		
Total Cost over life of payback		\$4,446	\$4,567		

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How\$martKY

Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
Heating	14,500 kWh	0 kBTU	0 kBTU	0 kBTU
Cooling	1670 kWh	0 kBTU	0 kBTU	
Base	12700 kWh	0 kBTU	0 kBTU	
Total (yr)	28,870 kWh	0 kBTU	0 kBTU	0 kBTU
=	24900 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

Heatpump Tune up
Install R-19 insulation in floor in old part of house if possible. Currently no access.
Add Insulation in attic to 15" total from existing.
Seal baseboard in bedroom
Seal plumbing penetrations in crawlspace
Seal right pluming access door
Seal Attic Hatch and build foam barrier around the hatch
Seal around fireplace
Reduce Air Leakage from 3580 CFM 50

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
7795 kWh (Elec)	3,825 kWh (Elec)	3,825 kWh	0.12 /kWh	\$459
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$38
before monthly How\$mart Charge

Financing

\$4,475.98 Cost of Improvements (est):

\$150.81 Rebates - Utility

\$4,325.17 Utility Contribution

\$4,711 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

\$31 Monthly Charge

82% of projected savings

Next Steps

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 2. Select contractor and schedule the job
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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$31	\$34		
Capital Investment	\$4,325	\$4,711		
Project Fee(s)	4.50% \$195	\$212	Payback Period (years)	15
Capital Fee	0.50% \$22	\$24	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,125</u>	<u>\$1,274</u>		
Total Cost over life of payback	\$5,645	\$6,197		

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How\$martKY

Energy Efficiency for Everyone



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How Your Home Uses Energy

<i>model baseline</i>	Elec	Gas	Propane	Wood/Coal
🔥 Heating	15,100 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ Cooling	398 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ Base	15900 kWh	0 kBTU	0 kBTU	0 kBTU
= Total (yr)	31,398 kWh	0 kBTU	0 kBTU	0 kBTU
	23600 kWh	0 kBTU	0 kBTU	0 kBTU

Your home uses energy for heating, cooling, and base load (which is everything that is not heating or cooling).

How Your Home Could Save Energy

- Replace HVAC Heating with New HVAC Heating System. (Under Warranty)
- Replace HVAC Cooling with New HVAC Cooling System. (Under Warranty)
- Add Insulation in attic to 15" total from existing.
- Reduce airleakage to .4ach min

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
12490 kWh (Elec)	4,692 kWh (Elec)	4,692 kWh	0.12 /kWh	\$563
0 kBTU (Gas)	0 kBTU (Gas)	0 therms	2.00 /Therm	\$0
0 kBTU (Propane)	0 kBTU (Propane)	0 Gal	2.88 /Gal	\$0

Based on savings from insulation and air seal only due to calibration.

Projected Avg Energy Savings (mo) \$47
before monthly HowSmart Charge

Financing

\$1,550.00 Cost of Improvements (est):

\$155.00 Rebates - Utility

\$1,395.00 Utility Contribution

\$2,221 Not to Exceed Amount (90% of Savings)

@ 3%
over 5 years

\$26 Monthly Charge

56% of projected savings

Next Steps

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$26	\$42		
Capital Investment	\$1,395	\$2,221		
Project Fee(s)	4.50% \$63	\$100	Payback Period (years)	5
Capital Fee	0.50% \$7	\$11	Cost of Capital	3%
Total Interest over life of payback	<u>\$121</u>	<u>\$213</u>		
Total Cost over life of payback	\$1,579	\$2,534		

Account Holder: _____
print name

Date: _____

Owner: _____
print name

Date: _____



Energy Efficiency for Everyone