



**Big Sandy RECC**  
The electric company of the people

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Name	
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Assessor	
Date	

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JUN 18 2012  
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COMMISSION

### How Your Home Uses Energy

<i>model baseline</i>	<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
<b>Heating</b>	5,240 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Cooling</b>	1230 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Base</b>	12300 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Total (yr)</b>	18,770 kWh	0 kBTU	0 kBTU	0 kBTU
	18600 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.
- Reduce the house air leakage from 2420 CFM50 to 1500 CFM50.
- 6. Seal all plumbing penetrations in kitchen and baths.
- 5. Caulk tub trims.
- 4. Caulk trims in wall panels at exterior walls.
- 3. Caulk all gaps in electric panel, including inside, but not near breakers.
- 2. Adjust and/or weatherstrip front and back doors to create a better seal.
- 1. Caulk all crown at ceiling on top and bottom.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
3732 kWh (Elec)	3,562 kWh (Elec)	3,562 kWh	0.11 /kWh	\$392
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) \$33**  
before monthly HowSmart Charge

### Financing

**\$5,464.00 Cost of Improvements (est):**

**\$1,092.80 Kentucky Home Performance**

**\$500.00 Rebates - Utility**

**\$3,871.20 Utility Contribution**

**\$4,021** Not to Exceed Amount (90% of Savings)

@ 3%  
over 15 years

**\$28 Monthly Charge**

86% of projected savings



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<i>model baseline</i>		<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
	<b>Heating</b>	11,100 kWh	0 kBTU	0 kBTU	0 kBTU
	<b>Cooling</b>	3680 kWh	0 kBTU	0 kBTU	
	<b>Base</b>	12700 kWh	0 kBTU	0 kBTU	
<b>=</b>	<b>Total (yr)</b>	27,480 kWh	0 kBTU	0 kBTU	0 kBTU
		27700 kWh	0 kBTU	0 kBTU	0 kBTU

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## How Your Home Could Save Energy

- 3. Air seal attic access with premade zip up bag.  
Add Insulation in attic to 12" total from existing.  
Reduce the house leakage to 3274 cfm50
- 4. Air seal and insulate knee wall doors.
- 2. Seal two windows in Peyton's room with caulk on trim and weatherstripping.
- 1. Weatherstrip double door.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
1089 kWh (Elec)	1,309 kWh (Elec)	1,309 kWh	0.11 /kWh	\$144
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)    \$12**  
before monthly HowSmart Charge

## Financing

<b>\$3,050.00</b>	<b>Cost of Improvements (est):</b>	<b>\$1,440.00</b>	<b>Utility Contribution</b>
		<b>\$1,478</b>	Not to Exceed Amount (90% of Savings)
<b>\$610.00</b>	<b>Kentucky Home Performance</b>	@ 3%	
<b>\$1,000.00</b>	<b>Customer Contribution</b>	over 15 years	
		<b>\$10</b>	<b>Monthly Charge</b>
			<b>87%</b> 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	\$28	\$29		
Capital Investment	\$3,871	\$4,021		
Project Fee(s)	4.50% \$174	\$181	Payback Period (years)	15
Capital Fee	0.50% \$19	\$20	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,007</u>	<u>\$1,087</u>		
Total Cost over life of payback	\$5,053	\$5,290		

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Energy Efficiency for Everyone

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$10	\$11		
Capital Investment	\$1,440	\$1,478		
Project Fee(s)	4.50% \$65	\$67	Payback Period (years)	15
Capital Fee	0.50% \$7	\$7	Cost of Capital	3%
Total Interest over life of payback	<u>\$375</u>	<u>\$400</u>		
Total Cost over life of payback	\$1,879	\$1,944		

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## How Your Home Uses Energy

<i>model baseline</i>	<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
<b>Heating</b>	9,280 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Cooling</b>	323 kWh	0 kBTU	0 kBTU	
<b>Base</b>	12900 kWh	0 kBTU	0 kBTU	
<b>Total (yr)</b>	22,503 kWh	0 kBTU	0 kBTU	0 kBTU
	22400 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.
- Add Rim Joist Insulation.
- Install spray foam insulation in floor.
- Add Insulation in attic to 9" total from existing.
- 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 from 2660 to 1120 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>
5087 kWh (Elec)	4,984 kWh (Elec)	4,984 kWh	0.11 /kWh	\$548
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) \$46**  
before monthly HowSmart Charge

## Financing

**\$9,856.00 Cost of Improvements (est):**

**\$1,966.60 Kentucky Home Performance**

**\$2,000.00 Customer Contribution**

**\$300.00 Rebates - Utility**

**\$5,589.40 Utility Contribution**

**\$5,627** 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.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$41	\$41		
Capital Investment	\$5,589	\$5,627		
Project Fee(s)	4.50% \$252	\$253	Payback Period (years)	15
Capital Fee	0.50% \$28	\$28	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,454</u>	<u>\$1,521</u>		
Total Cost over life of payback	\$7,295	\$7,401		

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## How Your Home Uses Energy

<i>model baseline</i>	<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
<b>Heating</b>	12,500 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Cooling</b>	1680 kWh	0 kBTU	0 kBTU	
<b>Base</b>	22800 kWh	0 kBTU	0 kBTU	
<b>Total (yr)</b>	36,980 kWh	0 kBTU	0 kBTU	0 kBTU
	37100 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.
- Seal Duct Work to 10% of fan capacity.
- Add Crawlspace Wall Insulation.
- Add Rim Joist Insulation.
- Reduce house leakage to 3400 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>
7134 kWh (Elec)	7,254 kWh (Elec)	7,254 kWh	0.11 /kWh	\$798
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) \$66**  
before monthly How\$mart Charge

## Financing

**\$12,920.41 Cost of Improvements (est):**

**\$2,000.00 Kentucky Home Performance**

**\$2,750.00 Customer Contribution**

**\$8,170.41 Utility Contribution**

**\$8,189** Not to Exceed Amount (90% of Savings)

@ 3%  
over 15 years

**\$59 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	\$59	\$60		
Capital Investment	\$8,170	\$8,189		
Project Fee(s)	4.50% \$368	\$369	Payback Period (years)	15
Capital Fee	0.50% \$41	\$41	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,126</u>	<u>\$2,214</u>		
Total Cost over life of payback	\$10,664	\$10,772		

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## How Your Home Uses Energy

<i>model baseline</i>		<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
	<b>Heating</b>	8,010 kWh	0 kBTU	0 kBTU	0 kBTU
	<b>Cooling</b>	748 kWh	0 kBTU	0 kBTU	
	<b>Base</b>	13300 kWh	0 kBTU	0 kBTU	
<b>=</b>	<b>Total (yr)</b>	22,058 kWh	0 kBTU	0 kBTU	0 kBTU
		22000 kWh	0 kBTU	0 kBTU	0 kBTU

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## How Your Home Could Save Energy

- Install and air seal blocking in open joists under knee walls.
- Renail and caulk trim in music room.
- Replace HVAC Heating with New HVAC Heating System.
- Seal Duct Work to 10% of fan capacity. Focus on return and supply under stairs in music room.
- Install Programmable Thermostat.
- Replace HVAC Cooling with New HVAC Cooling System.
- Seal all major accessible penetrations in attic and crawl space.
- Install R-19 insulation in floor.
- Add CO detector in upstairs hall
- Add Insulation to Attic Knee Wall.
- Replace 25 existing 60w incandescent bulbs with ESTAR cfl's.
- Reduce the house leakage rate from 2780 to 2050

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
5895 kWh (Elec)	5,837 kWh (Elec)	5,837 kWh	0.11 /kWh	\$642
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) \$54**  
before monthly HowSmart Charge

## Financing

**\$8,016.00** Cost of Improvements (est):

**\$1,603.20** Kentucky Home Performance

**\$6,412.80** Utility Contribution

**\$6,590** Not to Exceed Amount (90% of Savings)

@ 3%  
over 15 years

**\$46** 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.

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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$46	\$48		
Capital Investment	\$6,413	\$6,590		
Project Fee(s)	4.50% \$289	\$297	Payback Period (years)	15
Capital Fee	0.50% \$32	\$33	Cost of Capital	3%
Total Interest over life of payback	<u>\$1,669</u>	<u>\$1,782</u>		
Total Cost over life of payback	\$8,370	\$8,668		

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<b>Heating</b>	8,520 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Cooling</b>	1450 kWh	0 kBTU	0 kBTU	
<b>Base</b>	21000 kWh	0 kBTU	0 kBTU	
<b>Total (yr)</b>	30,970 kWh	0 kBTU	0 kBTU	0 kBTU
	30900 kWh	0 kBTU	0 kBTU	0 kBTU

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## 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):**

\$5,823.00 **Utility Contribution**

\$550.00 **Customer Contribution**

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

\$500.00 **Rebates - Utility**

@ 3%  
over 15 years

**\$42 Monthly Charge**

89% of projected savings

## Next Steps

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	<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		

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## How Your Home Uses Energy

<i>model baseline</i>	<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
<b>Heating</b>	8,020 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Cooling</b>	196 kWh	0 kBTU	0 kBTU	
<b>Base</b>	7340 kWh	0 kBTU	0 kBTU	
<b>Total (yr)</b>	15,556 kWh	0 kBTU	0 kBTU	0 kBTU
	15000 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 broken window in door.
- Reduce whole house leakage from 2655 to 2250 cfm50.
- Seal Duct Work to 10% of fan capacity.
- 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>
4668 kWh (Elec)	4,112 kWh (Elec)	4,112 kWh	0.11 /kWh	\$452
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) \$38**  
before monthly HowSmart Charge

## Financing

\$8,600.00 **Cost of Improvements (est):**

**\$8,600.00**

**Utility Contribution**

\$4,642

Not to Exceed Amount (90% of Savings)

\$0.00 **Kentucky Home Performance**

@ 3%  
over 15 years

**\$62**

**Monthly Charge**

165%

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	\$62	\$34		
Capital Investment	\$8,600	\$4,642		
Project Fee(s)	4.50% \$387	\$209	Payback Period (years)	15
Capital Fee	0.50% \$43	\$23	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,238</u>	<u>\$1,255</u>		
Total Cost over life of payback	\$11,225	\$6,106		

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
🔥 <b>Heating</b>	11,900 kWh	0 kBTU	0 kBTU	0 kBTU
❄️ <b>Cooling</b>	809 kWh	0 kBTU	0 kBTU	0 kBTU
⚡ <b>Base</b>	13800 kWh	0 kBTU	0 kBTU	0 kBTU
= <b>Total (yr)</b>	26,509 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

- 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 leakage 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>
7326 kWh (Elec)	7,317 kWh (Elec)	7,317 kWh	0.11 /kWh	\$805
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) \$67**  
before monthly How\$mart Charge

## Financing

<b>\$9,100.00</b>	<b>Cost of Improvements (est):</b>	<b>\$8,200.00</b>	<b>Utility Contribution</b>
		<b>\$8,260</b>	Not to Exceed Amount (90% of Savings)
<b>\$0.00</b>	<b>Kentucky Home Performance</b>		
<b>\$900.00</b>	<b>Customer Contribution</b>	@ 3%	
		over 15 years	
		<b>\$59</b>	<b>Monthly Charge</b>
			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	\$59	\$60		
Capital Investment	\$8,200	\$8,260		
Project Fee(s)	4.50% \$369	\$372	Payback Period (years)	15
Capital Fee	0.50% \$41	\$41	Cost of Capital	3%
Total Interest over life of payback	<u>\$2,134</u>	<u>\$2,234</u>		
Total Cost over life of payback	\$10,703	\$10,866		

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>	<b>Elec</b>	<b>Gas</b>	<b>Propane</b>	<b>Wood/Coal</b>
<b>Heating</b>	4,180 kWh	0 kBTU	0 kBTU	0 kBTU
<b>Cooling</b>	359 kWh	0 kBTU	0 kBTU	
<b>Base</b>	8070 kWh	0 kBTU	0 kBTU	
<b>Total (yr)</b>	12,609 kWh	0 kBTU	0 kBTU	0 kBTU
	12700 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.
- Reduce house leakage to 1150 cfm.

<u>Savings from Baseline:</u>	<u>Savings from Actuals:</u>	<u>Conversions to Fuel</u>	<u>Current Rates</u>	<u>Projected Savings (yr)</u>
2441 kWh (Elec)	2,532 kWh (Elec)	2,532 kWh	0.11 /kWh	\$279
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) \$23**  
before monthly How\$mart Charge

### Financing

\$4,100.00	<b>Cost of Improvements (est):</b>	\$2,830.00	<b>Utility Contribution</b>
\$820.00	<b>Kentucky Home Performance</b>	\$2,858	Not to Exceed Amount (90% of Savings)
\$450.00	<b>Customer Contribution</b>	@ 3%	
		over 15 years	
		<b>\$21</b>	<b>Monthly Charge</b>
		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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	<u>Estimate</u>	<u>Not to Exceed</u>		
Fixed Monthly Charge	\$21	\$21		
Capital Investment	\$2,830	\$2,858		
Project Fee(s)	4.50% \$127	\$129	Payback Period (years)	15
Capital Fee	0.50% \$14	\$14	Cost of Capital	3%
Total Interest over life of payback	<u>\$736</u>	<u>\$773</u>		
Total Cost over life of payback	\$3,694	\$3,760		

Account Holder: \_\_\_\_\_  
print name

Date: \_\_\_\_\_

Owner: \_\_\_\_\_  
print name

Date: \_\_\_\_\_




# How\$martKY

Energy Efficiency for Everyone



# Big Sandy RECC

A Touchstone Energy Cooperative 

## Simple Things to Do to Spend Less on Energy

If you change what you do, you'll change what you get for a monthly bill.

### Heating and cooling:

- Set the thermostat at a moderate temperature at the beginning of each season and leave it where you set it.
- A recommended, moderate winter temperature is 68 degrees. A moderate summer temperature is 74 degrees.

### Heat pumps:

- If you have an electric heat pump, do not turn your heat pump up more than 4 degrees at a time in winter. Rapidly raising the temperature will force the heat pump to use its more expensive, auxiliary/emergency heat system to get the temperature up.
- Heat pump auxiliary heat can cost \$1.00 or more per hour whereas average heat pump operation costs 30 to 40 cents an hour.
- In summer, if you have an electric heat pump, do not lower the temperature by more than 4 degrees at a time.
- Taking care of your heat pump can help you save energy. In the fall, have a tune-up done to make sure refrigerant levels are optimum.
- Clean the coils to remove dirt so your equipment can operate efficiently.
- Regularly change the filter to help keep the coils clean.

### Space heaters:

- Electric space heaters are energy hogs and are dangerous if used in the wrong place.
- Always keep space heaters at least three feet away from all flammable items such as curtains, blankets and furniture.
- Use space heaters only on level, non-flammable floor surfaces, NEVER on carpets, furniture or countertops.

### Water heating:

- Set your water heater's thermostat at 120 degrees F. This temperature is plenty warm for showers and washing dishes.
- Use cold water to wash clothes whenever possible. Many of today's detergents are meant to work with cold water.

### Other ways to use less electricity and spend less on energy:

- Turn off computers, lights, fans, air conditioners and televisions when they're not in use.
- Unplug appliances and electronics that use a 'phantom load' even in the *off* position. These usually have a red light glowing in the *off* position.



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