Fleming-Mason Energy
A Touchstone 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	11,800 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1500 kWh	0 kBTU	0 kBTU	
	Base	22700 kWh	0 kBTU	0 kBTU	
=	Total (yr)	36,000 kWh	0 kBTU	0 kBTU	0 kBTU
		35800 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 home to 2000 cfm50.
Service units and seal Duct Work to 10% of fan capacity.
Add Insulation in attic to 15" total from existing.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
5728 kWh (Elec)	5,528 kWh (Elec)	5,528 kWh	0.11 /kWh	$608
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) **$51**
before monthly How$mart Charge

Financing

$6,241.00 **Cost of Improvements (est):**

$0.00 **Kentucky Home Performance**

$6,241.00 **Utility Contribution**

$6,241 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

$45 **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: thermastat 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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$45	$46		
Capital Investment		$6,241	$6,241		
Project Fee(s)	4.50%	$281	$281	Payback Period (years)	15
Capital Fee	0.50%	$31	$31	Cost of Capital	3%
Total Interest over life of payback		$1,624	$1,687		
Total Cost over life of payback		$8,146	$8,209		

Account Holder: _____ Owner: _____
print name print name

Date: _____ Date: _____

How$martKY

Energy Efficiency for Everyone

Fleming-Mason Energy
A Touchstone Energy Cooperative

Location ID:	Customer Information Removed for Privacy.
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Assessor	
Date	

How Your Home Uses Energy

		Elec	Gas	Propane	Wood/Coal
	model baseline				
	Heating	8,940 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1040 kWh	0 kBTU	0 kBTU	
	Base	10100 kWh	0 kBTU	0 kBTU	
=	**Total (yr)**	20,080 kWh	0 kBTU	0 kBTU	0 kBTU
		19900 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

Repair belly wrap insulation under home.
Reduce house leakage to 1530 cfm50.
Seal windows with soft foam or caulk.
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.
Repair leaking sewer line under home.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
4748 kWh (Elec)	4,568 kWh (Elec)	4,568 kWh	0.11 /kWh	$502
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

$7,777.00	**Cost of Improvements (est):**
$1,555.40	**Kentucky Home Performance**
$1,450.00	**Customer Contribution**
$163.32	**Rebates - Utility - Button up**
$500.00	**Rebates - Utility - Resistance**

$4,108.28	**Utility Contribution**
$5,157	Not to Exceed Amount (90% of Savings)
@ 3%	
over 15	years
$30	**Monthly Charge**
71%	of projected savings

Next Steps

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2. Select contractor and schedule the job
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		Estimate	Not to Exceed		
Fixed Monthly Charge		$30	$38		
Capital Investment		$4,108	$5,157		
Project Fee(s)	4.50%	$185	$232	Payback Period (years)	15
Capital Fee	0.50%	$21	$26	Cost of Capital	3%
Total Interest over life of payback		$1,069	$1,394		
Total Cost over life of payback		$5,362	$6,783		

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How$martKY

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	7,780 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1460 kWh	0 kBTU	0 kBTU	
	Base	14800 kWh	0 kBTU	0 kBTU	
=	**Total (yr)**	24,040 kWh	0 kBTU	0 kBTU	0 kBTU
		23900 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 Insulated air barrier to Attic Knee Wall.
Seal Duct Work to 10% of fan capacity.
Reduce house air leakage from 2380 to 1600 cfm50.
Replace HVAC Heating with New Geothermal Heating System.
Replace HVAC Cooling with New Geothermal Cooling System.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
7199 kWh (Elec)	7,059 kWh (Elec)	7,059 kWh	0.11 /kWh	$776
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

$21,000.00 **Cost of Improvements (est):**

$0.00 **Kentucky Home Performance**

$13,050.00 **Customer Contribution**

$7,950.00 **Utility Contribution**

$7,969 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$58 **Monthly Charge**

89% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
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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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$58	$58		
Capital Investment		$7,950	$7,969		
Project Fee(s)	4.50%	$358	$359	Payback Period (years)	15
Capital Fee	0.50%	$40	$40	Cost of Capital	3%
Total Interest over life of payback		$2,069	$2,155		
Total Cost over life of payback		$10,376	$10,483		

Account Holder: _____ Owner: _____
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How$martKY

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	7,730 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	4300 kWh	0 kBTU	0 kBTU	
	Base	14200 kWh	0 kBTU	0 kBTU	
=	Total (yr)	26,230 kWh	0 kBTU	0 kBTU	0 kBTU
		26400 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 dryer vent.
Install curtain drain.
Install ventilation fans.
Install CO monitor.
Improve electrical safety.
Insulate water lines.
Crawl space vapor barrier.
Low-flow shower heads.
Replace existing hi consumption blubs with CFL's.
Seal Duct Work to 0.
Replace HVAC Heating with New HVAC Heating System.
Replace HVAC Cooling with New HVAC Cooling System.
Install R-19 insulation in floor.
Add Insulation in attic to 12" total from existing.
Reduce house air leakage to 1000 cfm50.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
9893 kWh (Elec)	10,063 kWh (Elec)	10,063 kWh	0.11 /kWh	$1,107
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) **$92**

before monthly How$mart Charge

Financing

$11,870.13 **Cost of Improvements (est):**

$2,000.00 **Kentucky Home Preformance**

$995.46 **Rebates - Utility**

$8,874.67 **Utility Contribution**

$11,361 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$64 **Monthly Charge**

70% of projected savings

Next Steps

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2. Select contractor and schedule the job
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Acceptance:

I understand that:

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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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$64	$83		
Capital Investment		$8,875	$11,361		
Project Fee(s)	4.50%	$399	$511	Payback Period (years)	15
Capital Fee	0.50%	$44	$57	Cost of Capital	3%
Total Interest over life of payback		$2,309	$3,072		
Total Cost over life of payback		$11,583	$14,944		

Account Holder: _____ Owner: _____
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How$martKY

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	10,500 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1360 kWh	0 kBTU	0 kBTU	
	Base	12100 kWh	0 kBTU	0 kBTU	
=	Total (yr)	23,960 kWh	0 kBTU	0 kBTU	0 kBTU
		23900 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 to 3000 cfm50.
Seal hole in HVAC closet around lineset.
Seal plumbing at all sinks and vanities.
Caulk crown moldings on top and bottom at exterior walls and marriage wall.
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.
Replace and repair belly insulation, including penetrations for duct sealing.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
6186 kWh (Elec)	6,126 kWh (Elec)	6,126 kWh	0.11 /kWh	$674
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) **$56**
before monthly How$mart Charge

Financing

$7,892.00 **Cost of Improvements (est):**

$1,578.40 **Kentucky Home Preformance**

$648.40 **Rebates - Utility**

$5,665.20 **Utility Contribution**

$6,916 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$41 **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.

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.

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		Estimate	Not to Exceed		
Fixed Monthly Charge		$41	$51		
Capital Investment		$5,665	$6,916		
Project Fee(s)	4.50%	$255	$311	Payback Period (years)	15
Capital Fee	0.50%	$28	$35	Cost of Capital	3%
Total Interest over life of payback		$1,474	$1,870		
Total Cost over life of payback		$7,394	$9,097		

Account Holder: _____ Owner: _____
print name print name

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How$martKY

Energy Efficiency for Everyone

Fleming-Mason Energy
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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	11,600 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	0 kWh	0 kBTU	0 kBTU	
	Base	8070 kWh	0 kBTU	0 kBTU	
=	Total (yr)	19,670 kWh	0 kBTU	0 kBTU	0 kBTU
		17500 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 and Air Barrier to Attic Knee Wall.
Reduce the house air leakage to 3900 cfm50.
Replace refrigerant line insulation
Add Rim Joist Insulation.
Extend downspout away from foundation.
Seal Duct Work to 10% of fan capacity.
Vent dryer to exterior.
Install insulation blanket to water heater.
Add Crawlspace Wall Insulation.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
5581 kWh (Elec)	3,411 kWh (Elec)	3,411 kWh	0.11 /kWh	$375
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) **$31**

before monthly How$mart Charge

Financing

$7,187.00	**Cost of Improvements (est):**
$1,437.40	**Kentucky Home Preformance**
$2,000.00	**Customer Contribution**
$640.24	**Rebates - Utility**

$3,109.36	**Utility Contribution**
$3,851	Not to Exceed Amount (90% of Savings)
@ 3%	
over 15	years
$23	**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.

If, after operation, any of the upgrades fail, the Utility will reevaluate the work.

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		Estimate	Not to Exceed		
Fixed Monthly Charge		$23	$28		
Capital Investment		$3,109	$3,851		
Project Fee(s)	4.50%	$140	$173	Payback Period (years)	15
Capital Fee	0.50%	$16	$19	Cost of Capital	3%
Total Interest over life of payback		$809	$1,041		
Total Cost over life of payback		$4,058	$5,065		

Account Holder: _____ Owner: _____
print name print name

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How$martKY

Energy Efficiency for Everyone

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OwnerName	
Phone	
Assessor	
Date	

How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	8,890 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1740 kWh	0 kBTU	0 kBTU	
	Base	10800 kWh	0 kBTU	0 kBTU	
=	Total (yr)	21,430 kWh	0 kBTU	0 kBTU	0 kBTU
		21400 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

Correct Installation of 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 air leakage to 2350 cfm50.
5. Air seal any holes in basement ceiling or attic floor that allow air into the home.
4. Caulk or foam sill plate to foundation wall.
3. Seal holes in band board with DAP expandable foam.
2. Seal HVAC ducts shut in music room.
1. Seal open flue pipe in music room.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
5599 kWh (Elec)	5,569 kWh (Elec)	5,569 kWh	0.11 /kWh	$613
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) **$51**

before monthly How$mart Charge

Financing

$10,963.62 **Cost of Improvements (est):**

$2,000.00 **Kentucky Home Preformance**

$2,700.00 **Customer Contribution**

$10.98 **Rebates - Utility**

$6,252.64 **Utility Contribution**

$6,287 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$45 **Monthly Charge**

89% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
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		Estimate	Not to Exceed		
Fixed Monthly Charge		$45	$46		
Capital Investment		$6,253	$6,287		
Project Fee(s)	4.50%	$281	$283	Payback Period (years)	15
Capital Fee	0.50%	$31	$31	Cost of Capital	3%
Total Interest over life of payback		$1,627	$1,700		
Total Cost over life of payback		$8,161	$8,270		

Account Holder: _____ Owner: _____
print name print name

Date: _____ Date: _____

How$martKY

Energy Efficiency for Everyone

Fleming-Mason Energy
A Touchstone 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	4,700 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1290 kWh	0 kBTU	0 kBTU	
	Base	18000 kWh	0 kBTU	0 kBTU	
=	Total (yr)	23,990 kWh	0 kBTU	0 kBTU	0 kBTU
		23900 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

Re-install R-19 insulation in floor correctly and fill in missing pieces.
Seal Duct Work to 10% of fan capacity.
Reduce the house air leakage to 1500 cfm50.
5. Air seal all accessible large penetrations in attic and crawl space with spray foam (and foam board if needed).
4. Air seal attic access by installing weatherstrip on top of trim pieces.
3. Caulk all trim on windows in family room and master bath. (Total of 8 windows.)
2. Air seal can lights from below with caulk or foam.
1. Air seal access to whirlpool motor by weatherstripping door.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
1560 kWh (Elec)	1,470 kWh (Elec)	1,470 kWh	0.11 /kWh	$162
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) **$13**
before monthly How$mart Charge

Financing

$2,053.50 **Cost of Improvements (est):**

$410.70 **Kentucky Home Preformance**

$1,642.80 **Utility Contribution**

$1,660 Not to Exceed Amount (90% of Savings)

@ 3%
over 15 years

$12 **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: thermastat 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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$12	$12		
Capital Investment		$1,643	$1,660		
Project Fee(s)	4.50%	$74	$75	Payback Period (years)	15
Capital Fee	0.50%	$8	$8	Cost of Capital	3%
Total Interest over life of payback		$427	$449		
Total Cost over life of payback		$2,144	$2,183		

Account Holder: _____ Owner: _____
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How$martKY

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	20,200 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	281 kWh	0 kBTU	0 kBTU	
	Base	13500 kWh	0 kBTU	0 kBTU	
=	**Total (yr)**	33,981 kWh	0 kBTU	0 kBTU	0 kBTU
		33600 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 4000 cfm50 or lower.
Replace 4 single pane windows with double pane.
Add 6" spray foam Insulation to underside of roof deck in attic.
Add Rim Joist Insulation.
Add Crawlspace Wall Insulation.
Replace HVAC Heating with New HVAC Heating System.
Seal Duct Work to 10% of fan capacity.
Install Programmable Thermostat.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
10788 kWh (Elec)	10,407 kWh (Elec)	10,407 kWh	0.11 /kWh	$1,145
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) **$95**

before monthly How$mart Charge

Financing

$14,825.00 **Cost of Improvements (est):**

$3,000.00 **Customer Contribution**

$500.00 **Rebates - Utility**

$11,325.00 **Utility Contribution**

$11,749 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$82 **Monthly Charge**

86% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
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		Estimate	Not to Exceed		
Fixed Monthly Charge		$82	$86		
Capital Investment		$11,325	$11,749		
Project Fee(s)	4.50%	$510	$529	Payback Period (years)	15
Capital Fee	0.50%	$57	$59	Cost of Capital	3%
Total Interest over life of payback		$2,947	$3,177		
Total Cost over life of payback		$14,781	$15,454		

Account Holder: _____ Owner: _____
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How$martKY

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	15,800 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	350 kWh	0 kBTU	0 kBTU	
	Base	13300 kWh	0 kBTU	0 kBTU	
=	Total (yr)	29,450 kWh	0 kBTU	0 kBTU	0 kBTU
		29400 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 leakage from 4560 to 2500 cfm50.
Add Rim Joist Insulation.
Add Crawlspace Wall Insulation.
Add Vaulted Ceiling Insulation.
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.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
9482 kWh (Elec)	9,432 kWh (Elec)	9,432 kWh	0.11 /kWh	$1,038
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) **$86**

before monthly How$mart Charge

Financing

$11,030.00 **Cost of Improvements (est):**

$0.00 **Kentucky Home Performance**

$11,030.00 **Utility Contribution**

$10,648 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$80 **Monthly Charge**

93% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
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		Estimate	Not to Exceed		
Fixed Monthly Charge		$80	$78		
Capital Investment		$11,030	$10,648		
Project Fee(s)	4.50%	$496	$479	Payback Period (years)	15
Capital Fee	0.50%	$55	$53	Cost of Capital	3%
Total Interest over life of payback		$2,870	$2,879		
Total Cost over life of payback		$14,396	$14,007		

Account Holder: _____ Owner: _____
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How$martKY

Energy Efficiency for Everyone

Fleming-Mason Energy
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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	9,590 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1980 kWh	0 kBTU	0 kBTU	
	Base	22800 kWh	0 kBTU	0 kBTU	
=	Total (yr)	34,370 kWh	0 kBTU	0 kBTU	0 kBTU
		34200 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 to Attic Knee Wall.
Replace window pane in front corner bedroom.
Install variable speed pool pump or add timer to existing pump.
Install Programmable Thermostat.
Replace HVAC Heating with New HVAC Heating System.
Replace HVAC Cooling with New HVAC Cooling System.
Add ventilation when replacing roof.
Add CO detector in hall near master suite.

Savings from Baseline:	Savings from Actuals:	Conversions to Fuel	Current Rates	Projected Savings (yr)
5902 kWh (Elec)	5,732 kWh (Elec)	5,732 kWh	0.11 /kWh	$631
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

$13,925.00 **Cost of Improvements (est):**

$7,500.00 **Customer Paid for Item(s)**

$0.00 **Kentucky Home Performance**

$6,425.00 **Utility Contribution**

$6,471 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:

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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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$47	$47		
Capital Investment		$6,425	$6,471		
Project Fee(s)	4.50%	$289	$291	Payback Period (years)	15
Capital Fee	0.50%	$32	$32	Cost of Capital	3%
Total Interest over life of payback		$1,672	$1,750		
Total Cost over life of payback		$8,386	$8,512		

Account Holder: _____ Owner: _____
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How$martKY

Energy Efficiency for Everyone

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Date	

How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	7,810 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	2230 kWh	0 kBTU	0 kBTU	
	Base	7960 kWh	0 kBTU	0 kBTU	
=	Total (yr)	18,000 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

Install new electrical service for heat pump
Replace front door.
Seal up garage door.
Reduce house leakage from 2590 to 2000 cfm50.
Air seal and insulate attic access panel.
Adjust and/or weatherstrip all exterior doors.
Add Rim Joist Insulation.
Add Insulation in attic to 12" total from existing.
Replace HVAC Heating with New HVAC Heating System.
Install Programmable Thermostat.
Replace HVAC Cooling with New HVAC Cooling System.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
6175 kWh (Elec)	6,175 kWh (Elec)	6,175 kWh	0.11 /kWh	$679
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

$9,840.00 **Cost of Improvements (est):**

$1,968.00 **Kentucky Home Performance**

$401.00 **Rebates - Utility - Button Up**

$500.00 **Rebates - Utility - Resistance**

$6,971.00 **Utility Contribution**

$6,971 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.

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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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$51	$51		
Capital Investment		$6,971	$6,971		
Project Fee(s)	4.50%	$314	$314	Payback Period (years)	15
Capital Fee	0.50%	$35	$35	Cost of Capital	3%
Total Interest over life of payback		$1,814	$1,885		
Total Cost over life of payback		$9,099	$9,170		

Account Holder: _____ Owner: _____
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How$martKY

Energy Efficiency for Everyone

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	7,250 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	1920 kWh	0 kBTU	0 kBTU	
	Base	9590 kWh	0 kBTU	0 kBTU	
=	Total (yr)	18,760 kWh	0 kBTU	0 kBTU	0 kBTU
		18700 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.
Add Crawlspace Wall Insulation.
Add Rim Joist Insulation.
Reduce the house leakage from 2670 to 1470 cfm50.
Air seal any sizeable penetrations in the attic.
Air seal and insulate attic access unless attic has spray foam installed.
Adjust and/or add weatherstripping at front and back doors to create a tighter seal.
Seal Duct Work to 10% of fan capacity.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
4955 kWh (Elec)	4,895 kWh (Elec)	4,895 kWh	0.11 /kWh	$538
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

$2,544.00 **Cost of Improvements (est):**

$508.80 **Kentucky Home Performance**

$574.18 **Rebates - Utility**

$1,461.02 **Utility Contribution**

$2,124 Not to Exceed Amount (90% of Savings)

@ 3%

over 5 years

$28 **Monthly Charge**

61% of projected savings

Next Steps

1. Sign Purchase Agreement
2. Select contractor and schedule the job
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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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$28	$40		
Capital Investment		$1,461	$2,124		
Project Fee(s)	4.50%	$66	$96	Payback Period (years)	5
Capital Fee	0.50%	$7	$11	Cost of Capital	3%
Total Interest over life of payback		$127	$204		
Total Cost over life of payback		$1,654	$2,423		

Account Holder: _____ Owner: _____
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How$martKY

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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	3,930 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	217 kWh	0 kBTU	0 kBTU	
	Base	13000 kWh	0 kBTU	0 kBTU	
=	Total (yr)	17,147 kWh	0 kBTU	0 kBTU	0 kBTU
		17200 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 carbon monoxide detector.

Install R-19 insulation in floor.

Savings from Baseline:	Savings from Actuals:	Conversions to Fuel	Current Rates	Projected Savings (yr)
1338 kWh (Elec)	1,391 kWh (Elec)	1,391 kWh	0.11 /kWh	$153
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) **$13**

before monthly How$mart Charge

Financing

$900.00 **Cost of Improvements (est):**

$380.00 **Kentucky Home Preformance**

$520.00 **Utility Contribution**

$1,570 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$4 **Monthly Charge**

30% 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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		Estimate	Not to Exceed		
Fixed Monthly Charge		$4	$11		
Capital Investment		$520	$1,570		
Project Fee(s)	4.50%	$23	$71	Payback Period (years)	15
Capital Fee	0.50%	$3	$8	Cost of Capital	3%
Total Interest over life of payback		$135	$425		
Total Cost over life of payback		$679	$2,066		

Account Holder: _____ Owner: _____
print name print name

Date: _____ Date: _____

How$martKY

Energy Efficiency for Everyone

Fleming-Mason Energy
A Touchstone 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	12,000 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	513 kWh	0 kBTU	0 kBTU	
	Base	12500 kWh	0 kBTU	0 kBTU	
=	Total (yr)	25,013 kWh	0 kBTU	0 kBTU	0 kBTU
		24500 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

Correct installation R-19 insulation in floor.
Add Rim Joist Insulation.
Add Crawlspace Wall Insulation.
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 to 7500 cfm50 or below.
Add Insulation in attic to 15" total from existing.
Replace two front doors

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
5877 kWh (Elec)	5,364 kWh (Elec)	5,364 kWh	0.11 /kWh	$590
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 How$mart Charge

Financing

$19,390.00 **Cost of Improvements (est):**

$13,000.00 **Customer Contribution**

$500.00 **Rebates - Utility**

$5,890.00 **Utility Contribution**

$6,056 Not to Exceed Amount (90% of Savings)

@ 3%

over 15 years

$43 **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: thermastat 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:

		Estimate	Not to Exceed		
Fixed Monthly Charge		$43	$44		
Capital Investment		$5,890	$6,056		
Project Fee(s)	4.50%	$265	$273	Payback Period (years)	15
Capital Fee	0.50%	$29	$30	Cost of Capital	3%
Total Interest over life of payback		$1,533	$1,637		
Total Cost over life of payback		$7,688	$7,966		

Account Holder: _____ Owner: _____
print name print name

Date: _____ Date: _____

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Name	
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How Your Home Uses Energy

	model baseline	Elec	Gas	Propane	Wood/Coal
	Heating	8,420 kWh	0 kBTU	0 kBTU	0 kBTU
	Cooling	2700 kWh	0 kBTU	0 kBTU	
	Base	9710 kWh	0 kBTU	0 kBTU	
=	Total (yr)	20,830 kWh	0 kBTU	0 kBTU	0 kBTU
		20700 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

1. Caulk all gaps at windows on jambs and casings, especially dining and breakfast rooms.
Reduce house air leakage to 1400 cfm.
Reduce duct leakage to 10% of fan capacity.
Add 5.5" spray foam insulation to underside of roof deck.
Add Crawlspace Wall Insulation.
Add Rim Joist Insulation.
3. Replace door to garage with insulated, exterior rated door.
2. Seal plumbing access panel to wall behind water heater.

Savings from Baseline:	*Savings from Actuals:*	*Conversions to Fuel*	*Current Rates*	*Projected Savings (yr)*
3892 kWh (Elec)	3,762 kWh (Elec)	3,762 kWh	0.11 /kWh	$414
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) **$34**
before monthly How$mart Charge

Financing

$6,512.00	**Cost of Improvements (est):**	$3,550.50	**Utility Contribution**
		$4,247	Not to Exceed Amount (90% of Savings)
$1,302.40	**Kentucky Home Preformance**		
$1,000.00	**Customer Contribution**	@ 3%	
$659.10	**Rebates - Utility**	over 15	years
		$26	**Monthly Charge**
		75%	of projected savings

Next Steps

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Acceptance:

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		Estimate	Not to Exceed		
Fixed Monthly Charge		$26	$31		
Capital Investment		$3,551	$4,247		
Project Fee(s)	4.50%	$160	$191	Payback Period (years)	15
Capital Fee	0.50%	$18	$21	Cost of Capital	3%
Total Interest over life of payback		$924	$1,148		
Total Cost over life of payback		$4,634	$5,587		

Account Holder: _____ (print name)

Date: _____

Owner: _____ (print name)

Date: _____

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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.

HowSmartKY™

Energy Efficiency for Everyone