

Nolin RECC
411 Ring Road
Elizabethtown, KY 42701-6767

PSC KY NO. 10
3rd 2nd-Revision Sheet No. 81

CANCELING PSC KY NO.
2nd 1st-Revision Sheet No. 81

CLASSIFICATION OF SERVICE

~~{SHEET CANCELLED}~~

~~{RESERVED FOR FUTURE USE}~~

DSM
ENERGY STAR® Manufactured Home Program

Purpose

Nolin RECC ENERGY STAR® Manufactured Home Program (“ESMH”) is designed to ensure that members of Nolin RECC purchase an energy efficient manufactured home. Nolin RECC will accomplish this by providing the purchaser of a manufactured home with an incentive to purchase and install a new ENERGY STAR® certified manufactured home.

Availability

This program is available to residential members served by Nolin RECC.

Eligibility

To be eligible for this ESMH incentive, new manufactured homes must meet the following criteria:

- United States Environmental Protection Agency (“EPA”) and Systems Building Research Alliance (“SBRA”) guidelines as an ENERGY STAR® Manufactured Home.
- Primary source of heat must be a heat pump.
- Home must be all electric.
- Home must be installed by the member on lines served by Nolin RECC.
- Participants in the ENERGY STAR Manufactured Home Program are not eligible for participation in the Heat Pump Retrofit Program.

Payments

After new home installation and after receiving certification as an ENERGY STAR® Manufactured Home, Nolin RECC will tender a \$1,150 incentive payment to their member. The incentive is intended to help cover the cost of upgrading the home from the standard United States Department of Housing and Urban Development (HUD) construction requirements to the SBRA and EPA ENERGY STAR® Manufactured Home construction requirements.

Term

This program is an ongoing program.

DATE OF ISSUE ~~February 6, 2013~~ January 30, 2019 DATE EFFECTIVE ~~March 8, 2013~~ March 1, 2019

ISSUED BY	President & CEO	411 Ring Road Elizabethtown, KY 42701-6767
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PSC KY NO. 10
~~2nd Revision Sheet No. 82~~
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~~1st Revision Sheet No. 82~~
 2nd Revision Sheet No. 82

CLASSIFICATION OF SERVICE

Section DSM – 2

Touchstone Energy Home

Purpose

In an effort to improve new residential home energy performance, Nolin RECC has designed the Touchstone Energy Home Program. This program provides guidance during the building process to guarantee a home that is ~~≥15-20%~~ ≥ 25-30% more efficient than the Kentucky standard built home. The standard built new home in rural Kentucky typically receives a 100-105 on the Home Energy Rating System (“HERS”) Index. ~~A HERS Index Score of 100 means the home is built to only moderate levels of efficiency—generally the 2004 International Energy Conservation Code (“IECC”).~~

Availability

This program is available to residential members-owners served by Nolin RECC.

Eligibility

To qualify as a Touchstone Energy Home under Nolin RECC’s program, the participating single-family home must be located in the service territory of Nolin RECC and must meet the program guidelines following one of the ~~three~~ two available paths of approval. Multi-family dwellings pre-approved by East Kentucky Power Cooperative, Inc. may be eligible.

Prescriptive Path:

- Home must meet each efficiency value as prescribed by Nolin RECC.
- Home must receive pre-drywall inspection and complete Nolin RECC’s pre-drywall checklist (contact the Energy Advisor at Nolin RECC for a copy of the checklist)
- Home must receive a final inspection, pass a whole house air leakage test (~~<7 air changes per hour @50 pascals~~), and duct leakage test (~~<10% of the fan’s rated capacity~~).
- Primary source of heat must be an Air Source Heat Pump ~~≥14~~ *current ENERGY STAR® specification for* Seasonal Energy Efficiency Ratio (“SEER”) ~~8.2~~ and Heating Seasonal Performance Factor (“HSPF”) or Geothermal
- Water Heater must be an electric storage tank water heater that is ~~≥ .90 Energy Factor (EF)~~ *current Energy and Water conservation standards established by the Federal Department of Energy “DOE”.*

Performance Path ~~Level #1:~~

- Home must receive a HERS Index score between ~~80-85~~ ≥ 75 (~~15-20%~~ *At least 30 %* more efficient than the KY standard built home)
- Home must receive pre-drywall inspection and complete Nolin RECC’s pre-drywall checklist (contact the Energy Advisor at Nolin RECC for a copy of the checklist)
- Home must receive a final inspection, pass a whole house air leakage test (~~<7 air changes per hour @50 pascals~~), and duct leakage test (~~<10% of the fan’s rated capacity~~).
- Primary source of heat must be an Air Source Heat Pump ~~≥13~~ *SEER/7.5 HSPF* *current Energy and Water conservation standard established by the Federal DOE* or Geothermal
- Home must pass ~~2009 IECC performance path~~ current energy code requirements established in the KY Residential Code.
- Water Heater must be an electric storage tank water heater that is ~~≥ .90 (EF)~~ *current Energy and Water conservation standards established by the Federal Department of Energy “DOE”.*

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 Original Sheet
 Original Sheet No. 82.1

CLASSIFICATION OF SERVICE

Section DSM -2 (continued)

Touchstone Energy Home

Performance Path Level #2:

- ~~Home must receive a HERS Index score of ≤ 79 (at least 21% more efficient than the KY standard built home)~~
- ~~Home must receive pre-drywall inspection and complete Nolin RECC's pre-drywall checklist (contact the Energy Advisor at Nolin RECC for a copy of the checklist)~~
- ~~Home must receive a final inspection, pass a whole house air leakage test (< 7 air changes per hour @50 pascals), and duct leakage test ($< 10\%$ of the fan's rated capacity).~~
- ~~Primary source of heat must be an Air Source Heat Pump ≥ 13 SEER/7.5 HSPF or Geothermal~~
- ~~Home must pass 2009 IECC performance path.~~
- ~~Water Heater must be an electric storage tank water heater that is $\geq .90$ (EF)~~

Prescriptive Path Incentive

Nolin RECC will provide an incentive of \$750 to residential member-owners that build their new home to meet the requirements of the Prescriptive or Performance Path as listed above.

Performance Path Level #1 Incentive

~~Nolin RECC will provide an incentive of \$250 to residential member-owners that build their new home to meet the requirements of the Performance Path Level #1 as listed above.~~

~~Performance Path Level #2 Incentive~~

~~Nolin RECC will provide an incentive of \$750 to residential member-owners that build their new home to meet the requirements of the Performance Path Level #2 as listed above.~~

Term

The program is an ongoing program.

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4th -3rd Revision Sheet No. 83

CLASSIFICATION OF SERVICE

DSM

Direct Load Control Program – Residential

Purpose

The Direct Load Control Program will encourage the reduction in growth of peak demand, enabling ~~East Kentucky Power Cooperative (“EKPC”)~~ *Nolin RECC* to utilize its system more efficiently, manage market purchases, and defer the construction of new generation.

Availability

The Direct Load Control Program is available to residential ~~customers~~ *members* in the service territory of Nolin RECC and will include the control of *existing* water heaters, *existing and new* air conditioners and heat pumps, ~~and pool pumps.~~

Availability may be denied where, in the judgment of Nolin RECC, installation of the load control equipment is impractical.

Eligibility

To qualify for this Program, the *new* participant must be located in the service territory of Nolin RECC, and have:

- ~~40-gallon (minimum) electric water heating units, and/or~~
- Central air conditioning or heat pump units, ~~and/or with single stage compressors.~~
- ~~Pool pumps.~~

The above appliances may be electrically cycled or interrupted in accordance with the rules of this Tariff.

The participant may either own or rent the residence where the qualifying appliances are located. The residence may be either a single-family structure or a multi-family apartment facility.

The participant is responsible for obtaining the permission of the owner of the rented residence to participate in the load control program. Nolin RECC may require that a rental property agreement be executed between Nolin RECC and the owner of the rented residence.

Program Incentives

Nolin RECC will provide an incentive to the participants in this program for the following appliances.

Water Heaters: Nolin RECC will ~~credit~~ *provide* the *existing participating* residential *member* ~~power bill of the participant~~ \$10.00 per water heater ~~per year~~ *annually* or *provide the incentive via other payment means including, but not limited to, a check.* The *existing* participant will receive this credit regardless of whether the water heater is actually controlled.

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CLASSIFICATION OF SERVICE

DSM

Direct Load Control Program – Residential *(continued)*

Air Conditioners and Heat Pumps: Nolin RECC will provide an incentive to the participants in this program. The participant may select one of ~~two~~ *three* alternatives. The participant will receive one of these incentives regardless of whether the air conditioner or heat pump is actually controlled during any program month.

Alternative One: *For each direct load control switch Nolin RECC will ~~credit~~ provide the participating residential ~~power bill member of the participant~~ \$20.00 bill credit annually or provide the incentive via other payment means including, but not limited to, a check per air conditioner or heat pump. ~~per air conditioner (\$5 per summer months, June, July, August, and September).~~*

Alternative Two: *When technically feasible, Nolin RECC ~~will~~ may provide and install at no cost one or more ~~digital~~ Wi-Fi enabled thermostats as needed for control purposes or Nolin RECC may provide a Wi-Fi enabled thermostat and a rebate up to \$100 to offset the member's cost to have the thermostat installed by the member's own heating and air-conditioning contractor. The member must sign-up each Nolin RECC provided thermostat within sixty (60) days or return it to Nolin RECC or be invoiced by Nolin RECC for the cost of the thermostat. Wi-Fi enabled mean sany thermostat utilizing the Wi-Fi communication protocol or similar local networking communication protocols. The member must have a fixed location, reliable internet for communication. Nolin RECC will reimburse the participating member \$20 per qualifying Wi-Fi enabled thermostat annually.*

After the initial selection of one of the alternatives, the participant may change to the other alternative subject to the following conditions:

- *From bill credits to digital thermostats – The change in alternative will be permitted in any month except for the summer months of June through September. In addition, the participant will pay 50 percent of the installed cost of each digital thermostat.*
- *From digital thermostats to bill credits – The change in alternative will be permitted in any month except for the summer months of June through September. In addition, the participant will either reimburse EKPC, through Nolin RECC, an amount equal to 50 percent of the original installed cost of each digital thermostat that was initially installed if the participant keeps the thermostat or pay 50 percent of the cost to remove each digital thermostat that was initially installed.*
- *Only one change in incentive alternatives will be permitted during a 12-month period.*

Pool Pumps: *Nolin RECC will credit the residential power bill of the participant \$20.00 per pool pump annually (\$5.00 per summer month, June, July, August and September). The participant will receive this credit regardless of whether the pool pump is actually controlled.*

Alternative Three: *Nolin RECC will provide the participating residential member \$20.00 bill credit per qualifying Wi-Fi enabled thermostat provided by the retail member that controls an air conditioner or heat pump annually or provide the incentive via other payment means including, but not limited to, a check. Nolin RECC will provide a rebate up to \$100 to offset the member's cost to have the thermostat installed by the member's own heating and air-conditioning contractor. The member must have a fixed location, reliable internet for communication.*

When the qualifying appliances are located in rental residences, program incentives will be paid to the participant, regardless of whether the participant owns or rents the residence where the qualifying appliances are located. Nothing contained in this Tariff will prohibit a further disposition of the program incentive between the participant and the owner of a rented residence.

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CLASSIFICATION OF SERVICE

DSM

Direct Load Control Program - Residential (continued)

Program Special Incentives

Nolin RECC will provide a special incentive up to \$25 for new participants that install a load control switch on qualifying ~~electric water heaters~~, air conditioners and heat pumps, ~~and or pool pumps~~ *utility supplied Wi-Fi enabled thermostat or retail member supplied Wi-Fi enabled thermostat*. This one-time ~~per residence~~ incentive will be in the form of a bill credit on the electric bill following the switch installation *or provided via other payment means including, but not limited to, a check.*

Time Periods for Direct Load Control Program

Water Heaters: ~~A Existing~~ load control switches ~~will may~~ be placed ~~on the water heater and may be~~ electrically interrupted for a maximum time period of six (6) hours *per event* during the May through September months indicated below and for a maximum time period of four (4) hours *per event* during the October through April months indicated below.

EKPC will cycle the water heaters only during the hours listed below:

<u>Months</u>	<u>Hours Applicable for Demand Billing - EPT</u>
October through April	6:00 a.m. to 12:00 noon 4:00 p.m. to 10:00 p.m.
May through September	10:00 a.m. to 10:00 p.m.

Air Conditioners and Heat Pumps: A load control device (switch or *Wi-Fi enabled thermostat*) will be placed on each central air conditioning unit or heat pump that will allow the operating characteristics of the unit to be modified to reduce demand on the system. Communication to the load control device will be accomplished via ~~AMRø, AMI, Wi-Fi, or similar communication technologies~~ *equipment*.

EKPC will control the air conditioning units and heat pumps only during its summer on-peak billing hours listed below and up to four (4) hours per event:

<u>Months</u>	<u>Hours Applicable for Demand Billing - EPT</u>
May through September	10:00 a.m. to 10:00 p.m.

~~Pool Pumps: A load control switch will be placed on the pool pump and may be controlled for a six-hour curtailment during on peak days May through September. In addition, there may be a 50 percent cycling for the ensuing two-hour recovery period to prevent creating a new peak.~~

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1st Revision Sheet No. 85.1

CLASSIFICATION OF SERVICE

DSM

Direct Load Control Program – Residential (continued)

Terms and Conditions

1. Prior to the installation of load control devices, Nolin RECC may inspect the participant’s electrical equipment to insure good repair and working condition, but Nolin RECC shall not be responsible for the repair or maintenance of the electrical equipment.
2. EKPC, on behalf of Nolin RECC, will install, *in some cases*, own, and maintain the load management devices controlling the participant’s air conditioner or heat pump, ~~or water heater~~ *for Alternative One and Two as noted in this tariff*. The participant must allow Nolin RECC, or their representative, reasonable access to install, maintain, inspect, test and remove load control devices. Inability of Nolin RECC to gain access to the load management device to perform any of the above activities for a period exceeding *thirty* (30) days may, at Nolin RECC’s option, result in discontinuance of credits under this tariff until such time as Nolin RECC is able to gain the required access.
3. Participants may join the program at any time during the year. ~~Participants with water heaters and/or pool pumps will receive the first annual incentive within 12 months after the installation of the load control device.~~ Participants with air conditioning or heat pump units who join during the months of June through September can select an incentive alternative as described in this Tariff. If the ~~bill credit~~ incentive is selected, ~~bill credits will not begin until after the installation of the load control device and continue for the months remaining in the June to September time period for that year~~ *incentives will be provided annually*.
4. If a participant decides to withdraw from the program or change incentive alternatives, Nolin RECC will endeavor to implement the change as soon as possible.
5. If a participant decides to withdraw from the program, the participant may not apply to rejoin the program for a period of *six* (6) months. Returning participants for air conditioning and heat pump units will be required to initially select the bill credit alternative, but may change alternatives later as described in this Tariff.

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PSC KY NO. 10
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~~1st Revision Sheet No. 86~~

CLASSIFICATION OF SERVICE

DSM
Direct Load Control Program – Commercial

Purpose

The Direct Load Control Program will encourage the reduction in growth of peak demand, enabling ~~East Kentucky Power Cooperative (“EKPC”)~~ *Nolin RECC* to utilize its system more efficiently, manage market purchases, and defer the construction of new generation.

Availability

The Direct Load Control Program is available to commercial ~~customers~~ *members* in the service territory of Nolin RECC and will include the control of air conditioners and *existing* water heaters.

Availability may be denied where, in the judgment of Nolin RECC, installation of the load control equipment is impractical.

Eligibility

To qualify for this Program, the *new* participant must be located in the service territory of Nolin RECC and have a central air conditioning ~~unit and/or a 40-gallon (minimum) electric water heating unit~~ *heat pump units*. The appliance may be electrically cycled or interrupted in accordance with the rules of this Tariff.

The participant is responsible for obtaining the permission of the commercial property owner to participate in the load control program. Nolin RECC may require that a rental property agreement be executed between Nolin RECC and the owner of the rented commercial property.

Program Incentives

Nolin RECC will provide an incentive to the participants in this program for the following appliances.

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CLASSIFICATION OF SERVICE

DSM

Direct Load Control Program – Commercial (continued)

Air Conditioners and Heat Pumps: The incentive will be based on the tonnage of the air conditioning unit. Units up to and including five (5) tons will receive a ~~monthly credit of \$5.00~~ \$20.00 per unit. Units over five (5) tons will receive an additional ~~monthly annual~~ credit of ~~\$1.00~~ \$4.00 per ton per unit. Nolin RECC *will reimburse the participating commercial-member at the applicable incentive credit or provide the incentive via other payment means including, but not limited to, a check.* ~~credit the commercial power bill of the participant the applicable incentive credit during the months of June through September.~~ The participant will receive the incentive regardless of whether the air conditioner is actually controlled during any program month.

Water Heaters: Nolin RECC will ~~credit the commercial power bill of the participant \$10.00 per water heater per year~~ provide the existing participating commercial-member \$10.00 per water heater annually or provide the incentive via other payment means including, but not limited to, a check. The participant will receive this credit regardless of whether the water heater is actually controlled.

Time Period for Direct Load Control Program

Air Conditioners and Heat Pumps: A load control device will be placed on each central air conditioning unit or heat pump that will allow the operating characteristics of the unit to be modified to reduce demand on the system. *The member must have internet for commiunication. Utility of member supplied Wi-Fi enabled thermostat programs may also be available.* Communication to the load control device or thermostat will be accomplished via AMR, AMI, *Wi-Fi* or ~~paging equipment~~ similar communication technologies.

EKPC will control the air conditioning units only during its summer on-peak billing hours listed below and up to four (4) hours per event:

<u>Months</u>	<u>Hours Applicable for Demand Billing - EPT</u>
May through September	10:00 a.m. to 10:00 p.m.

Water Heaters. A *Existing* load control switches will be placed on the water heater and may be electrically interrupted for a maximum time period of six (6) hours per event during the May through September months indicated below and for a maximum time period of four (4) hours per event during the October through April months indicated below.

EKPC will cycle the water heaters only during the hours listed below.

<u>Months</u>	<u>Hours Applicable for Demand Billing - EPT</u>
October through April	6:00 a.m. to 12:00 noon 4:00 p.m. to 10:00 p.m.
May through September	10:00 a.m. to 10:00 p.m.

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FOR ENTIRE SERVICE AREA

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CLASSIFICATION OF SERVICE

Direct Load Control Program – Commercial (continued)

Terms and Conditions

1. Prior to the installation of load control devices, Nolin RECC may inspect the participant's electrical equipment to insure good repair and working condition, but Nolin RECC shall not be responsible for the repair or maintenance of the electrical equipment.
2. EKPC, on behalf of Nolin RECC, will install, *in some cases*, own, and maintain the load management devices controlling the participant's air conditioner ~~unit~~ or ~~water heater~~ *heat pump*. The participant must allow Nolin RECC, or their representative, reasonable access to install, maintain, inspect, test and remove load control devices. Inability of Nolin RECC to gain access to the load management device to perform any of the above activities for a period exceeding *thirty (30)* days may, at Nolin RECC's option, result in discontinuance of credits under this tariff until such time as Nolin RECC is able to gain the required access.
3. Participants may join the program at any time during the year. Participants with air conditioning *or heat pumps* who join during the months of June through September will receive bill credits *annually*. ~~beginning after the installation of the load control device and continuing for the months remaining in the June to September time period for that year.~~ Participants with ~~water heaters will receive the first annual incentive within 12 months after the installation of the load control device.~~
4. If a participant decides to withdraw from the program, Nolin RECC will endeavor to implement the withdrawal as soon as possible. If a participant decides to withdraw from the program, the participant may not apply to rejoin the program for a period of *six (6)* months.

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Original Sheet No. 97

CLASSIFICATION OF SERVICE

Nolin RECC Tariff Sheet 97 has been canceled and reserved for future use.

Section DSM-5

Commercial & Industrial Advanced Lighting Program

(N) (D)

Purpose

The Commercial & Industrial Advanced Lighting Program is an energy efficiency program that encourages commercial and industrial customers to install high efficiency lamps and ballasts in their facilities.

Availability

This program is available to commercial and industrial facilities located in all service territory served by EKPC.

Eligibility

To qualify for the Commercial & Industrial Advanced Lighting Program the customer must be on a retail commercial or industrial rate. The business must have been in operations for at least two years prior to January 1, 2011, and be current on its power bill payment to the Member System. No empty buildings, inactive warehouses, or inactive storage areas shall qualify. The business must be open or have its normal lighting load on for at least 50 hours per week. Retrofits of parking lot lighting, provided on photocell control, are eligible.

Rebate

EKPC and its Member Systems will provide an incentive to the customer of \$213 for each kW of lighting load reduction for businesses open 50 hours a week or more. EKPC will reimburse the Member System an additional \$320 for each kW of lighting load reduction, which is to compensate for lost revenue. For commercial customers, rebates are limited to \$15,000 per upgrade (total of both customer and distribution system rebates) for any facility. For industrial customers, rebates are limited to \$30,000 per upgrade (total of both customer and distribution system rebates) for any facility.

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CLASSIFICATION OF SERVICE

Nolin RECC Tariff Sheet 98 has been canceled and reserved for future use.

Section DSM-5 (cont.)

(N) (D)

Term

The Commercial & Industrial Advanced Lighting Program is an ongoing program.

Verification Procedure

Qualifying lighting must be identified or documented by EKPC or Member System staff prior to retrofitting. After the customer completes the retrofit, EKPC or Member System staff must verify the installed lighting retrofit. Demand and energy savings will be calculated based on lighting information gathered during the visits. EKPC will utilize the manufacturer's lighting fixture specifications and known measurements to calculate the savings; rebates under this tariff will be paid after these verification procedures are complete.

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CLASSIFICATION OF SERVICE

Nolin RECC Tariff Sheet 99 has been canceled and reserved for future use.

Section DSM-6

(N) (D)

Industrial Compressed Air Program

Purpose

The Industrial Advanced Compressed Air Program is a program designed to reduce electricity consumption through a comprehensive approach to efficient production and delivery of compressed air in industrial facilities. The program includes (1) training of plant staff; (2) a detailed system assessment of the plant's compressed air system including written findings and recommendations; and (3) incentives for capital-intensive improvements.

Availability

This program is available to commercial and industrial facilities using electric compressed air applications located in all service territory served by EKPC.

Eligibility

To qualify for the Industrial Compressed Air Program, the customer must be on a retail industrial rate and must be a manufacturing operation with a compressed air system that is turned on during all the operating hours of the facility. The business must have been in operations for at least two years prior to January 1, 2011, and be current on its power bill payment to the Member System.

Rebate

If the customer reduces at least 60% of the compressed air leaks (CFMs), EKPC will reimburse through the Member System to the customer the cost of the original compressed air leakage audit up to \$5,000. The combination of the Member System lost revenue payment and the reimbursement of the compressed air leakage audit costs are limited to \$15,000 for any facility.

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Nolin RECC Tariff Sheet 100 has been canceled and reserved for future use.

Section DSM-6 (con't)

(N) (D)

Term

The Industrial Compressed Air Program is an ongoing program.

Verification Procedures

Determination of the amount of leakage reduction:

1. ~~The leakage reduction will be determined by the measured reduction in compressed air leakage.~~
2. ~~An ultrasonic compressed air leakage audit shall be performed and the results of this audit provided to the customer and EKPC. The report will contain an estimate of the amount of excess load in kW that the leaks are causing. The report will include a detail of leaks detected. The detail of leaks and the excess kW load will be based on the criteria for leak reporting.~~
3. ~~Upon completion of repairs to the system, a follow-up ultrasonic compressed air leakage audit will be conducted for the documented leaks to measure the difference in the kW leakage load. The follow-up audit report will show the net kW leakage saved and results provided to the customer and EKPC. A lost revenue reimbursement will be paid to the Member System based on the difference in the kW leakage load and the cost of the original air leakage audit will be reimbursed to the customer if a 60% reduction in CFMs air leakage is achieved.~~

Criteria for leak reporting:

1. ~~The criteria for reporting leaks shall be at the discretion of the auditor. At a minimum the report must detail the leak location, decibels measured, CFM of air leakage, and kW leakage load for each leak and summed for the facility.~~
2. ~~The basic rule is that leaks that do not exceed 30 decibels in ultrasonic noise will not be reported or counted in the leakage kW load.~~
3. ~~Exceptions to the 30 decibels rule are as follows:~~
 - a. ~~In a quiet environment with a minimal amount of compressed air, the minimum will drop to between 15 to 20 decibels.~~
 - b. ~~In a high noise environment, especially with robotic welding, the minimum will be raised to 40 to 50 decibels.~~
 - c. ~~Distance is also a factor. A 25 decibel leak in a trunk pipe in a 20-foot ceiling, in a noisy environment, will be documented and added to the leakage kW according to the distance.~~

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Elizabethtown, KY 42701-6767

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2nd 1st Revision Sheet No. 101

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CLASSIFICATION OF SERVICE

Section DSM —7

Button-Up Weatherization Program

Purpose

The Button-Up Weatherization Program offers an incentive for reducing the heat loss of a home. The retail member may qualify for this incentive by improving *attic* insulation, ~~installing higher efficiency windows and doors, or by~~ and reducing the air leakage of their home.

Availability

This program is available ~~to residential member-owners~~ in all service territories served by Nolin RECC.

Eligibility

This program is targeted at older single-family, multi-family or manufactured dwellings. Eligibility requirements are:

- Home must be *two* (2) years old or older to qualify for the incentive.
- Primary source of heat must be electricity.
- ~~Eligible dwellings may qualify for one of four levels:~~

Button Up Level I

~~The insulation portion of the Button Up incentive will promote the reduction of energy usage on the part of the retail member-owners by providing an incentive of \$40 per one thousand British thermal unit per hour (Btuh) reduced, up to \$520 resulting from improved insulation or installing higher efficiency windows or doors. Heat loss calculation of Btuh reduced will be made by Nolin RECC using either Manual J or through other methods approved by East Kentucky Power Cooperative (EKPC). Heat loss calculations in Btuh are based on the winter design temperature.~~

Button Up Level I w/ Air Sealing

~~The air sealing portion of the Button Up incentive will promote the reduction of energy usage through air sealing on the part of retail member-owners. Typical air sealing could include caulking, improved weather stripping, sealing attic accesses, etc. To receive this incentive either an EKPC approved contractor or Nolin RECC representative must perform a “pre” and “post” blower door test to measure actual Btuh reduced. This portion of the Button Up incentive will also pay \$40 per thousand Btuh’s reduced and increases the Button Up Level I maximum incentive to \$750.~~

The attic insulation portion of the Button Up incentive will promote the reduction of energy usage on the part of the retail members. Heat loss calculation of Btuh reduced will be made by using either the Manual J 8th Edition or through other methods approved by EKPC. Heat loss calculations in Btuh are based on the winter design temperature. In order to receive an incentive for attic insulation, an air seal must be completed.

Incentives

The Button Up incentive will pay a total payment of \$40 per thousand Btuh reduced to the retail member up to the maximum rebate incentive of \$750.

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CLASSIFICATION OF SERVICE

Section DSM -7 (continued) Button-Up Weatherization Program (continued)

Button Up Level II

The Button Up Level II portion of this incentive will promote energy conservation through a whole house approach. This level of incentive is targeted at retail member owners experiencing high energy bills as a result of excessive heat loss from multiple causes. The incentive promotes the member owner to address all of the problems in their home at one time. Retail member owners who reduce their home's energy needs by 26,500 Btuh are eligible for the full Button up Level I Air Seal incentive plus an additional \$310 for a total of \$1,060. To receive this incentive either an EKPC approved contractor or Nolin RECC representative must perform a "pre" and "post" inspection/blower door and duct leakage test of the home to measure actual Btuh reduced. Each home must meet minimum requirements as determined by Nolin RECC.

Button Up Level III

The Button Up Level III portion of this incentive will promote energy conservation through a whole house approach. This level of incentive is targeted at retail member owners experiencing extremely high energy bills as a result of excessive heat loss from multiple causes. The incentive promotes the member owner to address all of the problems in their home at one time. Retail member owners who reduce their home's energy needs by 34,250 Btuh are eligible for the full Button up Level I Air Seal incentive plus an additional \$620 for a total of \$1,370. To receive this incentive either an EKPC approved contractor or Nolin RECC representative must perform a "pre" and "post" inspection/blower door and duct leakage test of the home to measure actual Btuh reduced. Each home must meet minimum requirements as determined by Nolin RECC.

Button Up Level I Incentive

Nolin RECC will provide an incentive to residential member owners of \$40 per one thousand Btuh reduced, up to \$520. A blower door test is not required to receive this incentive up to the maximum incentive of \$520.

Button Up Level I with Air Sealing Incentive

Nolin RECC will provide an incentive to residential member owners of \$40 per one thousand Btuh reduced, up to \$750. To qualify for the increased maximum incentive of \$750 as noted herein, a blower door test is required.

Button Up Level II Incentive

Nolin RECC will provide an incentive of \$1060 to residential member owners who reduce their home's energy needs by 26,500 Btuh. To qualify for the increased maximum incentive as noted herein, the home must pass a blower door test, duct leakage test, and meet the minimum program requirements.

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FOR ENTIRE SERVICE AREA

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CLASSIFICATION OF SERVICE

Section DSM – 7 (continued)

Button Up Level III Incentive

~~Nolin RECC will provide an incentive of \$1370 to residential member owners who reduce their home's energy needs by 34,250 Btuh. To qualify for the increased maximum incentive as noted herein, the home must pass a blower door test, duct leakage test, and meet the minimum program requirements.~~

Term

The program is an ongoing program.

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CLASSIFICATION OF SERVICE

Section DSM—8 Heat Pump Retrofit Program

Purpose

The Heat Pump Retrofit Program provides incentives for residential ~~customers~~ *members* to replace their existing resistance heat source with a ~~high efficiency~~ heat pump.

Availability

This program is available to residential members served by Nolin RECC.

Eligibility

This program is targeted to ~~retail~~ members who currently heat their home with a resistance heat source; this program is targeted to site built homes, manufactured homes, and multi-family dwellings. Eligibility requirements are:

- Incentive only applies when homeowner's primary source of heat is an electric resistance heat furnace, ceiling cable heat, or baseboard heat, or electric thermal storage.
- Existing heat source must be at least 2 years old.
- New manufactured homes are eligible for the incentive.
- ~~Air Conditioning, Heating, and Refrigeration Institute ("AHRI") ratings may range as follows: Seasonal Energy Efficiency Ratio ("SEER") minimum 13; Heating Seasonal Performance Factor ("HSPF") minimum 7.5.~~
- Two (2) maximum incentive payments per location, per lifetime for centrally ducted systems.
- Ducted and Ductless mini-splits applying for the incentive will be incentivized at a rate of \$250 per indoor head unit up to a maximum of three (3) head units per location, per lifetime.
- Participants in the Heat Pump Retrofit Program are not eligible for participation in the ENERGY STAR[®] Manufactured Home Program

Incentives

Homeowners replacing their existing resistance heat source with a heat pump will qualify for the following incentive based on the AHRI Rating equipment type:

<u>AHRI RATING</u>	<u>EQUIPMENT TYPE</u>	<u>INCENTIVE TO MEMBER</u>	<u>REBATE</u>
<i>Centrally Ducted Systems:</i>			
	<i>Current Energy Conservation Standard established by the Federal Department of Energy "DOE"</i>	\$500	
13 SEER			
7.5 HSPF			
	<i>Current ENERGY STAR[®] level equipment or greater</i>	\$750	
14 SEER			
8.0 HSPF			
<i>Mini-Split Systems:</i>			
	<i>Ducted or Ductless Mini-Splits ENERGY STAR[®] level equipment or greater</i>	\$250	
≥15 SEER			
≥8.5 HSPF		\$1,000	

Term

The program is an ongoing program.

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CLASSIFICATION OF SERVICE

Section DSM-9
Appliance Recycling Program

PURPOSE

The Appliance Recycling Program (“ARP”) offers an incentive for the removal and recycling of old energy-inefficient refrigerators and freezers resulting in lower energy consumption at the participating residences.

AVAILABILITY

This program is available in all territories served by Nolin RECC.

ELIGIBILITY

This program is targeted to existing single-family, multi-family, and manufactured homes that currently have old energy-inefficient refrigerators or freezers. The residential end-use cooperative member (“end-use member”) may be eligible for this incentive by offering an existing refrigerator or freezer, subject to detailed eligibility requirements, to be picked-up and recycled. Detailed eligibility requirements are available at Nolin RECC and on Nolin RECC’s website. General eligibility requirements are:

- Must be a residential end-use member of Nolin RECC
- End-use member must own the appliance(s) being turned in for recycling.
- End-use member must be eligible for the incentive—maximum 2 per metered account per calendar year
- Appliance must be between 7.75 and 30 cubic feet
- Appliance must be plugged in, operational, working and cooling when collection team arrives
- Appliance must be empty and have a clear path for removal
- Appliance must be picked up from the service address on the end-use member’s billing account

LANDLORD/TENANT RELATIONSHIPS

Notwithstanding the forgoing, a landlord who owns a qualifying appliance that is used by a tenant who is an end-use member of Nolin RECC shall also be eligible to participate in the ARP program regardless of whether said landlord is also an end-use member of Nolin RECC. A landlord may be eligible for a maximum of 2 incentives per metered tenant end-user’s account per calendar year.

PAYMENT

The end-use member will receive a \$50 incentive (rebate) per qualifying appliance from either Nolin RECC or its designated ARP contractor.

TERM

The program is an ongoing program.

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CLASSIFICATION OF SERVICE

Section DSM-10

ENERGY STAR® Appliances Program

PURPOSE

The Nolin RECC ENERGY STAR® Appliances Program offers an incentive for reducing the energy consumed by household appliances. The end-use cooperative member ("end-use member") may qualify for this incentive (rebate) by purchasing an ENERGY STAR® qualifying appliance type listed in this tariff.

AVAILABILITY

This program is available in all territories served by Nolin RECC.

ELIGIBILITY

This program is targeted to new single or multi-family homes, existing single or multi-family homes or manufactured homes purchasing ENERGY STAR® appliances. Eligibility requirements are detailed below and are available at Nolin RECC and on the Nolin RECC's website.

- Product must be certified by EPA as an ENERGY STAR® Appliance. Eligible models can be found on ENERGYSTAR.GOV.
- Product must be purchased on or after November 9, 2014.
- Product must be fully installed and operational.
- Rebate application must be completed and original receipt or copy must be provided for verification.
- Receipt must include the following information:
 - Retailer's Name
 - Itemized listing of product(s), including description(s), manufacturer(s), model number(s) or other identifying information. The receipt information must match the product information from the rebate application.
 - Purchase price and proof that full payment was made
 - Purchase date and date of delivery or installment (if installed by a contractor)
 - For new construction, a Nolin RECC energy advisor ("energy advisor") may enter the rebate application on behalf of the end-use member. For an application entered by the energy advisor, the application must be accompanied by a picture of the appliance model number and serial number. Rebate applications for new constructions, without a receipt, will only be accepted through an energy advisor.

Refrigerators & Freezers

- Refrigerators must be greater than 7.75 cubic feet in capacity
- End-use members may apply for one ENERGY STAR® certified refrigerator and one ENERGY STAR® certified freezer rebate per calendar year per member metered account. A maximum of two rebates within this appliance category (Refrigerators and Freezers) will be allowed per metered account.

Dishwashers

- End-use members may apply for one ENERGY STAR® certified dishwasher rebate per premise/location per calendar year. A maximum of two rebates within this appliance category (Dishwashers) will be allowed per premise/location.

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CLASSIFICATION OF SERVICE

Schedule 10 – Continued

Clothes Washers

- ~~End-use members may apply for one ENERGY STAR® certified clothes-washer rebate per calendar year per metered account. A maximum of two rebates within this appliance category (Clothes Washers) will be allowed per metered account.~~

Heat Pump Water Heaters

- ~~End-use members may apply for two ENERGY STAR® certified heat pump water heater rebates per calendar year per premise/location. A maximum of four rebates within this appliance category (Heat Pump Water Heaters) will be allowed per premise/location.~~

Air Conditioners and Heat Pumps

- ~~Rebate application must be completed, signed and returned with an original or copy of the receipt and the AHRI certificate obtained from the HVAC installer.

 - ~~AHRI certificate must list model numbers for the condenser unit (outside unit) and evaporator coil (indoor unit).~~~~
- ~~End-use members may apply for up to three ENERGY STAR® certified heat pump or air conditioner rebates per calendar year per premise/location. A maximum of six (6) rebates within this appliance category (Air Conditioners and Heat Pumps) will be allowed per premise/location.~~

LANDLORD/TENANT RELATIONSHIPS:

~~Notwithstanding the forgoing, a landlord who rents to a tenant who is an end-use member of Nolin RECC shall also be eligible to participate in the ESAP program regardless of whether said landlord is also an end-use member of Nolin RECC. A landlord may be eligible for the same number of incentives per calendar year as a metered tenant end-use member.~~

PAYMENTS

~~Nolin RECC will provide an incentive (rebate) payment to the end-use member as noted in the following table:~~

Appliances	End-Use Member Rebate
Refrigerator	\$100
Freezer	\$50
Dishwasher	\$50
Clothes Washer	\$75
Heat Pump Water Heater	\$300
Air Source Heat Pump	\$300
Air Conditioner (Central)	\$300

TERM

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