

DSM—2Touchstone Energy HomePurpose

In an effort to improve new residential home energy performance, EKPC 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 ~~400~~ 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 in all service territories served by EKPC.

Eligibility

To qualify as a Touchstone Energy Home under EKPC's program, the participating single-family home must be located in the service territory of a participating owner-member and must meet the program guidelines following one of the ~~three~~ (3) ~~two~~ (2) available paths of approval. Multi-family dwellings pre-approved by EKPC may be eligible.

Prescriptive Path:

- Home must meet each efficiency value as prescribed by EKPC.
- Home must receive pre-drywall inspection and complete EKPC's pre-drywall 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 \geq ~~current ENERGY STAR® specifications for~~ ≥ 14 Seasonal Energy Efficiency Ratio ("SEER") and ~~18.2~~ Heating Seasonal Performance Factor ("HSPF") or Geothermal.
- Water Heater must be an electric storage tank water heater that is \geq ~~current Energy and Water conservation standards established by the Federal Department of Energy "DOE".~~ $\geq .90$ Energy Factor (EF)

Performance Path Level #1:

- ~~Home must receive a HERS Index score between 80-85 (15-20% more efficient than the KY standard built home)~~
- ~~Home must receive pre-drywall inspection and complete EKPC's pre-drywall 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)~~

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on or after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM –2 Touchstone Energy Home (continued)

Performance Path-Level #2:

- Home must receive a HERS Index score of ≤ 79.75 (At least 24-30% more efficient than the KY standard built home)
- Home must receive pre-drywall inspection and complete EKPC's pre-drywall 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 standards established by the Federal DOE or Geothermal
- Home must pass 2009 IECC performance path current energy code requirements established in the Kentucky Residential Code.
- Water Heater must be an electric storage tank water heater that is $\geq .90$ (EF) current Energy and Water conservation standards established by the Federal DOE.

Payments

EKPC will provide the payments outlined below to the owner-member to cover administrative cost, net lost revenue, and the recommended incentive to the retail member. Lost revenue calculations may fluctuate based on current electric rates.

<u>Program Path</u>	<u>Payment to Member System</u>
Prescriptive Path	\$1,400 1,450
Performance Path Level #1	\$760
Performance Path Level #2	\$1,400 1,450

Term

The program is an ongoing program.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM—3a

Direct Load Control Program – Residential

Purpose

The Direct Load Control Program will encourage the reduction in growth of peak demand, enabling EKPC 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 retail members in the service territories of EKPC owner-members 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 the owner-member, 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 a participating owner-member and have:

- ~~40-gallon (minimum) electric water heating units, and/or~~
- ~~central air conditioning or heat pump units with single-stage compressors. and/or~~
- ~~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. The owner-member may require that a rental property agreement be executed between the owner-member and the owner of the rented residence.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM –3a Direct Load Control Program – Residential (continued)Program Incentives

EKPC and participating owner-member will provide an incentive to the participants in this program for the following appliances:

Water Heaters: EKPC will reimburse the participating owner-member \$10.00 per water heater annually. The participating owner-member, in turn, has the option of crediting the power bill of the participant \$10.00 per water heater per year *or provide the incentive via other payment means including, but not limited to, a check.* The participant will receive this incentive regardless of whether the water heater is actually controlled during any program month.

Air Conditioners and Heat Pumps: EKPC and participating owner-members will provide an incentive to the participants in this program. The participant may select one of ~~three~~ *two* 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: EKPC will reimburse the participating owner-member \$20.00 annually per participating air conditioner or heat pump. (~~\$5 per summer months, June, July, August and September~~). The participating owner-member will, in turn, credit the residential power bill of the participant ~~\$25.00~~ *20.00* per air conditioner or heat pump (~~\$5 per summer months, June, July, August and September~~) *or provide the incentive via other payment means including, but not limited to, a check.*

Alternative Two: When technically feasible, EKPC ~~will~~ *may* provide and install, at no cost, one or more ~~digital~~ *Wi-Fi enabled* thermostats as needed for control purposes *or EKPC 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 EKPC provided thermostat within 60 days or return it to EKPC or be invoiced by EKPC for the cost of the thermostat. Wi-Fi enabled means any thermostat utilizing the Wi-Fi communication protocol or similar local networking communication protocols. The member must have a fixed location, reliable internet for communication. EKPC 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 Wi-Fi enabled 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 fifty percent (50%) of the installed cost of each Wi-Fi enabled digital thermostat.~~
- ~~From digital Wi-Fi enabled thermostats to bill credits – This 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 the owner-member, an amount equal to fifty percent (50%) of the original installed cost of each digital Wi-Fi enabled thermostat that was initially installed if the participant keeps the thermostat or pay fifty percent (50%) of the cost to remove each digital Wi-Fi enabled thermostat that was initially installed.~~
- ~~Only one change in incentive alternatives will be permitted during a 12-month period.~~

Alternative Three: EKPC will reimburse the participating owner-member \$20.00 annually per qualifying Wi-Fi enabled thermostat provided by the retail member that controls an air conditioner or heat pump *or provide the incentive via other payment means including, but not limited to, a check. EKPC 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.*

~~Pool Pumps: EKPC will reimburse the participating owner member \$25.00 per pool pump annually. The participating owner member, in turn, will credit the residential power bill of the participant \$25.00 per pool pump 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 pool pump is actually controlled during any program month.~~

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM –3a Direct Load Control Program – Residential (continued)

If the appliances noted above are controlled or interrupted during the time of EKPC’s monthly billing peak, no additional monetary adjustments will be made. If the appliances noted above are not controlled or interrupted during the time of EKPC’s monthly billing peak, then EKPC will credit the owner-member’s bill by an amount which represents the savings that would have occurred had the control or interruption been made.

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.

Program Special Incentives

EKPC and participating owner-members will provide a special incentive up to ~~\$25.00~~ 20.00 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* or install a ~~qualifying thermostat~~. This one-time 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 load control switch will be placed on the water heater and~~ Existing load control switches 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*) ~~controlling~~ *will be placed on each* central air conditioning unit or heat pump 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 AMR, AMI, *Wi-Fi or similar communication technologies.*

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

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 3a Direct Load Control Program – Residential (continued)

~~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 fifty percent (50%) cycling for the ensuing 2-hour recovery period to prevent creating a new peak.~~

Terms and Conditions

1. Prior to the installation of load control devices, the owner-members may inspect the participant's electrical equipment to insure good repair and working condition, but the owner-members shall not be responsible for the repair or maintenance of the electrical equipment.
2. EKPC, on behalf of the owner-members, 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 Alternatives One and Two as noted in this tariff~~. The participant must allow the owner-member, or its representative, reasonable access to install, maintain, inspect, test and remove load control devices. Inability of the owner-member to gain access to the load management device to perform any of the above activities for a period exceeding thirty (30) days may, at the owner-member's option, result in discontinuance of credits under this tariff until such time as the owner-member is able to gain the required access.
3. Participants in the Pilot program from Big Sandy RECC and Blue Grass Energy will have the opportunity to participate in this program. Equipment already installed on the premises may be used as part of this program.
4. 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 twelve (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, incentives will be provided annually. bill credits will not begin until after the installation of the load control device and continue for the months remaining in the June through September time period for that year.~~
5. If a participant decides to withdraw from the program or change incentive alternatives, the owner-member will endeavor to implement the change as soon as possible.
6. 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.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM—3b

Direct Load Control Program – Commercial

Purpose

The Direct Load Control Program will encourage the reduction in growth of peak demand, enabling the Company *EKPC* 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 retail members in the service territories of EKPC's owner-members and will include the control of air conditioners, heat pumps, and water heaters.

Availability may be denied where, in the judgment of the owner-member, installation of the load control equipment is impractical.

Eligibility

To qualify for this Program, the participant must be located in the service territory of a participating owner-member and have a central air conditioning or *heat pump* units. ~~and/or a 40-gallon (minimum) electric water heating unit.~~ 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. The owner-member may require that a rental property agreement be executed between the owner-member and the owner of the rented commercial property.

Program Incentives

EKPC and participating owner-members will provide an incentive to the participants in this program for the following appliances:

DATE OF ISSUE: January 30, 2019
DATE EFFECTIVE: Service rendered on and after March 1, 2019
ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 3b-Direct Load Control Program – Commercial (continued)

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

Water Heaters: EKPC will reimburse the participating owner-member \$10.00 per water heater annually. The participating owner-member, in turn, will credit the commercial power bill of the participant \$10.00 per water heater per year or provide the incentive via other payment means including, but not limited to, a check. The participant will receive this incentive regardless of whether the water heater is actually controlled during any program month.

Time Period for Direct Load Control Program

Air Conditioners and Heat Pumps: A load control device will be placed on each central air conditioning or heat pump unit 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 AMR, AMI, Wi-Fi or similar communication technologies.

EKPC will control the air conditioning units only during its summer on-peak billing hours listed below:

<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 load control switch 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.

If the appliances noted above are controlled or interrupted during the time of EKPC’s monthly billing peak, no additional monetary adjustments will be made. If the appliances noted above are not controlled or interrupted during the time of EKPC’s monthly billing peak, then EKPC will credit the owner-member’s bill by an amount which represents the savings that would have occurred had the control or interruption been made.

DATE OF ISSUE: January 30, 2019
DATE EFFECTIVE: Service rendered on and after March 1, 2019
ISSUED BY: _____
 Anthony S. Campbell,
 President and Chief Executive Officer

DSM – 3b-Direct Load Control Program – Commercial (continued)

Terms and Conditions

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

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

RESERVED FOR FUTURE USE

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM—4a**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 *and installing higher efficiency windows and doors*, or by reducing the air leakage of their home.

Availability

This program is available in all service territories served by EKPC.

Eligibility

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

- Home must be 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 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 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 compensate for lost revenue, the owner-member will receive \$30 per thousand Btuh reduced for a total payment of \$70 per thousand Btuh reduced (\$40 per thousand Btuh to the retail member and \$30 per thousand Btuh to the owner-member).~~

Button Up Level I Payment

~~EKPC will provide a payment of up to \$1,040 to the owner-member to cover administrative costs, net lost revenue, and the incentive to the retail member as noted in the Eligibility Section. A blower door test is not required to receive this incentive up to the maximum payment noted herein.~~

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 4a Button-Up Weatherization Program (continued)

Button Up Level I with 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 members. Typical air sealing could include caulking, improved weather stripping, sealing attic accesses, etc. To receive this incentive either an EKPC approved contractor or owner-member representative must perform a "pre" and "post" blower door test to measure actual Btuh reduced. This portion of the incentive will also pay a total payment of \$70 per thousand Btuh reduced and increases the Button Up Level I maximum incentive to \$750 (\$40 per thousand Btuh to the retail member and \$30 per thousand Btuh to the owner-member).

Button Up Level I with Air Sealing Payment

EKPC will provide a payment of up to \$1,545 to the owner-member to cover administrative costs, net lost revenue, and the incentive to the retail member as noted in the Eligibility Section. To qualify for the increased maximum payment as noted herein, a blower door test is required.

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 members experiencing high energy bills as a result of excessive heat loss from multiple causes. The incentive promotes the retail member to address all of the problems in their home at one time. Retail members 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 owner-member 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 EKPC.

Button Up Level II Payment

EKPC will provide a payment of up to \$2,085 to the owner-member to cover administrative costs, net lost revenue, and the incentive to the retail member as noted in the Eligibility Section. To qualify for the increased maximum payment as noted herein, a blower door test is required.

DATE OF ISSUE: January 30, 2019
DATE EFFECTIVE: Service rendered on and after March 1, 2019
ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 4a Button-Up Weatherization Program (continued)

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 members experiencing extremely high energy bills as a result of excessive heat loss from multiple causes. The incentive promotes the retail member to address all of the problems in their home at one time. Retail members 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 owner-member 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 EKPC.

Button Up Level III Payment

EKPC will provide a payment of up to \$2,625 to the owner-member to cover administrative costs, net lost revenue, and the incentive to the retail member as noted in the Eligibility Section. To qualify for the increased maximum payment as noted herein, a blower door test is required.

The attic insulation portion of the Button Up incentive will promote the reduction of energy usage on the part of the retail member. 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.

Term

The program is an ongoing program.

DATE OF ISSUE: January 30, 2019
DATE EFFECTIVE: Service rendered on and after March 1, 2019
ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM—4b

Heat Pump Retrofit Program

Purpose

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

Availability

This program is available in all service territories served by EKPC.

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 two (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 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.*

Payments

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>PAYMENT TO MEMBER SYSTEM</u>
13 SEER	
7.5 HSPF	\$1,664
14 SEER	
8.0 HSPF	\$1,945
≥15 SEER	
≥8.5 HSPF	\$2,241

Equipment Type

Central Ducted Systems:

<i>Current Energy Conservation Standard established by the Federal Department of Energy "DOE".</i>	<i>\$1605 + \$90 Admin Fee</i>
--	--------------------------------

Payment to Member System

*Current ENERGY STAR® level equipment
or greater.*

\$1901 + \$90 Admin Fee

Mini Split Systems:

Ducted or Ductless Mini-Splits

\$685 per indoor heat unit + \$90 Admin Fee

EKPC will provide the payments outlined above to the owner-member for administrative costs, lost revenue, and the recommended incentive to the retail member. Lost revenue calculations may fluctuate based on current rates.

Term

The program is an ongoing program.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

RESERVED FOR FUTURE USE

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: March 1, 2019

ISSUED BY: Anthony S. Campbell,
President and Chief Executive Officer

DSM—4cHVAC Duct Sealing ProgramPurpose

The HVAC Duct Sealing Program offers blower door tests to evaluate and identify costly duct leaks and an incentive to seal leaking ductwork either with traditional mastic sealers or with the *Aeroseal* duct-sealing program. Duct losses are to be reduced to ten percent (10%) or less, and duct loss measurement requires the use of a blower door test and the blower door subtraction method and/or duct blaster.

Availability

This program is available in all service territories served by EKPC.

Eligibility

This program is targeted to single-family homes using electric furnaces or electric heat pumps. Eligibility requirements are:

- Limited to homes that have centrally ducted heating systems in unconditioned areas, using only electricity as a fuel source.
- Duct system must be two (2) years old or older.
- Initial duct leakage must test greater than ten percent (10%) of the fan's rated capacity.
- Contractor or owner member representative are required to conduct a "pre" and "post" blower door test to verify reductions. Only contractors trained or approved by EKPC may be used.
- Duct leakage per system must be reduced to below ten percent (10%) of the fan's rated capacity (assuming 400cfm per ton, ex. 2-ton system = 800 cfm, thus duct leakage must be reduced to 80cfm or less). If duct system cannot be reduced to ten percent (10%) of fan's rated capacity, contractor is expected to provide a detailed justification.
- All joints in the duct system must be sealed with foil tape and mastic. Foil tape alone does not qualify as properly sealing the duct system.
- For homes that have two separately ducted heat systems, each system will qualify independently for the incentive.

Transfer Payment

EKPC will provide a transfer payment of up to \$500 to the owner member to cover administrative costs, lost revenue, and the \$250 recommended incentive to the retail member. Lost revenue calculations may fluctuate based on current rates.

Term

The program is an ongoing program.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM-5

Commercial & Industrial Advanced Lighting Program

Purpose

The Commercial & Industrial Advanced Lighting Program is an energy efficiency program that encourages commercial and industrial retail members 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 retail member 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 owner member. 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 fifty (50) hours per week. Retrofits of parking lot lighting, provided on photocell control, are eligible.

Rebate

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

Term

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

Verification Procedure

Qualifying lighting must be identified or documented by EKPC or owner member staff prior to retrofitting. After the retail member completes the retrofit, EKPC or owner member 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.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM-6

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 retail member 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 (2) years prior to January 1, 2011, and be current on its power bill payment to the owner-member.

Rebate

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

Term

The Industrial Compressed Air Program is an ongoing program.

DATE OF ISSUE: January 30, 2019
DATE EFFECTIVE: Service rendered on and after March 1, 2019
ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM-6 (continued)

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 retail member 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 retail member and EKPC. A lost revenue reimbursement will be paid to the owner member based on the difference in the kW leakage load and the cost of the original air leakage audit will be reimbursed to the retail member if a sixty percent (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 thirty (30) decibels in ultrasonic noise will not be reported or counted in the leakage kW load.~~
3. ~~Exceptions to the thirty (30) decibels rule are as follows:~~
 - a. ~~In a quiet environment with a minimal amount of compressed air, the minimum will drop to between fifteen (15) to twenty (20) decibels.~~
 - b. ~~In a high noise environment, especially with robotic welding, the minimum will be raised to forty (40) to fifty (50) decibels.~~
 - c. ~~Distance is also a factor. A twenty-five (25) decibel leak in a trunk pipe in a twenty (20)-foot ceiling, in a noisy environment, will be documented and added to the leakage kW according to the distance.~~

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM--7

ENERGY STAR® Manufactured Home Program

Purpose

EKPC's ENERGY STAR® Manufactured Home Program ("ESMH") is designed to ensure that retail members of EKPC's owner-members purchase an energy efficient manufactured home. EKPC will accomplish this by providing *the purchaser of a manufactured home* producers with an incentive to *purchase manufacture* and install a new ENERGY STAR® certified manufactured homes.

Availability

This program is available to all of EKPC's owner-members on whose system an ENERGY STAR® certified manufactured home is installed.

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 ~~13 SEER & 7.5 HSPF or higher as required by SBRA.~~
- Home must be all-electric.
- Home must be installed by the ~~manufacturer~~ *retail member* on lines served by one of EKPC's 16 owner-members.
- *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 ~~SBRA certifies the new home as an receiving certification as an~~ ENERGY STAR® manufactured home, EKPC will tender a ~~\$4,750~~ *1,150* incentive payment to the ~~manufactured home producer~~ *owner-member as the recommended incentive to the retail member*. The ~~incentive is intended to~~ covers 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. ~~EKPC will also pay SBRA an administrative fee.~~ EKPC will pay ~~\$2,400~~ *990* to the owner-member on whose system the manufactured home is located to cover administrative costs and lost revenue.

Term

This program is an ongoing program.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM--8Appliance Recycling ProgramPurpose

The Appliance Recycling Program 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 owner members of EKPC.

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 retail 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. Eligibility requirements are:

- Must be a residential retail member of an EKPC owner member.
- Retail member must own the appliance(s) being turned in for recycling.
- Retail member must be eligible for the incentive – maximum two (2) qualifying units 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 retail member's billing account.

Eligibility requirements are available from the participating EKPC owner member and on the owner member's website.

Landlord/Tenant Relationships

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

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 8 (continued)

Payments

~~EKPC will pay the owner-member the sum of \$140.00 for each qualifying appliance, to be split as follows: \$50.00 as reimbursement of the incentive (rebate) per qualifying appliance and \$90.00 as a transfer payment to the owner-member to cover lost revenue.~~

Term

~~The program is an ongoing program.~~

DATE OF ISSUE: January 30, 2019
DATE EFFECTIVE: Service rendered on and after March 1, 2019
ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM-9

ENERGY STAR® Appliances Program

Purpose

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

Availability

This program is available in all service territories of the owner member of EKPC.

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 each participating owner member's office and on the owner member's website.

- Product must be certified by EPA as an ENERGY STAR® Appliance. Eligible models can be found on www.ENERGYSTAR.GOV.
- Product must be purchased after November 3, 2014.
- 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, an owner member 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.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 9 (continued)

Refrigerators & Freezers

- Refrigerators must be greater than 7.75 cubic feet in capacity.
- Retail members may apply for one (1) ENERGY STAR®-certified refrigerator and one (1) ENERGY STAR®-certified freezer rebate per calendar year per member metered account. A maximum of two (2) rebates within this appliance category (Refrigerators and Freezers) will be allowed per metered account.

Dishwashers

- Retail members may apply for one (1) ENERGY STAR®-certified dishwasher rebate per premise/location calendar year. A maximum of two rebates within this appliance category (Dishwashers) will be allowed per premise/location.

Clothes Washers

- Retail members may apply for one (1) ENERGY STAR®-certified clothes washer rebate per calendar year per metered account. A maximum of two (2) rebates within this appliance category (Clothes Washers) will be allowed per metered account.

Heat Pump Water Heaters

- Retail members may apply for two (2) ENERGY STAR®-certified heat pump water heater rebates per calendar year per premise/location. A maximum of four (4) 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).
- Retail members may apply for up to three (3) 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 a retail member of an EKPC owner-member shall also be eligible to participate in the ESAP program regardless of whether said landlord is also a retail member of an EKPC owner-member. A landlord may be eligible for the same number of incentives per calendar year as a metered tenant retail member.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer

DSM – 9 (continued)

Payments

Residential retail members will receive an incentive from their owner-member for installing ENERGY STAR® certified appliances, while owner-members will receive a transfer payment from EKPC to cover the rebate to retail members and any lost revenue as a result of implementing the program:

Appliance	Rebate to Retail Member	EKPC Payment to Owner-Member
Refrigerator	\$100.00	\$115.00
Freezer	\$50.00	\$60.00
Dishwasher	\$50.00	\$60.00
Clothes Washer	\$75.00	\$130.00
Heat Pump Water Heater	\$300.00	\$685.00
Air Source Heat Pump	\$300.00	\$675.00
Air Conditioner (Central)	\$300.00	\$400.00

Term

The program is an ongoing program.

DATE OF ISSUE: January 30, 2019

DATE EFFECTIVE: Service rendered on and after March 1, 2019

ISSUED BY: _____
Anthony S. Campbell,
President and Chief Executive Officer