EFFICIENT LIVING:

Illinois Public Housing Authority Energy Program

Guidelines and Application

2017

June 1, 2017-December 31, 2017

Standard and Custom Incentives for Federally Assisted Low-Income and Public Housing, Residential and Common Areas

Ameren ILLINOIS

ComEd An Exelon Company powering lives

Nicor Gas

PEOPLES GAS NATURAL GAS DELIVERY

NORTH SHORE GAS NATURAL GAS DELIVERY

PROGRAM CONTACT INFORMATION

Application reviewers may be contacted at:

ILPHA Energy Efficiency Program
University of Illinois
One East Saint Mary's Road
Champaign, IL 61820

Attn: Efficient Living Energy Program

Phone: 217-244-6769

Email: pha@ilpha.org

APPLICATION CHECKLIST FOR THE EFFICIENT LIVING ENERGY PROGRAM

Completed applications must include:

- ☐ Completed application worksheet
- ☐ Brief description of the project
- ☐ Signed project completion certification
- ☐ Any supporting materials (equipment model numbers, pictures, etc.); Note that inventories will need to be collected for many measures but can be sent after the initial application

Once complete, forms can be emailed to pha@ilpha.org with the Subject: Kate Brown.

SECTION 1 | GENERAL INFORMATION

1.1 | Introduction. The Illinois Public Housing Authority Energy Efficiency Program (ILPHA EEP) at the University of Illinois invites eligible management entities of public housing authorities and federally-assisted housing programs to participate in the Efficient Living: Illinois Public Housing Authority Energy Program. This program encourages public and federally-assisted housing authorities and their residents to incorporate energy cost reduction practices into their daily operations. The program supports implementation of cost-effective energy efficiency measures that help meet annual state energy-savings targets. In addition, implementing such measures also enhances economic development in the State of Illinois through job creation and business development.

1.2 | Who Is Eligible? Eligibility is limited to applicants that manage the 99 public housing authorities located in the State of Illinois and the four federally-assisted housing programs for the very low to moderately low-income Illinois residents: 1) United States Department of Agriculture's (USDA) Rural Development (RD) Multifamily Rental Housing Section 515 Program, 2) the Department of Housing and Urban Development (HUD) Section 202 Supportive Housing Program for Elderly, 3) Section 811 Supportive Housing Program for Persons with Disabilities, and 4) Section 8 Project Based Program. In addition, public and federally-assisted housing authorities to which funding can be applied must receive electric delivery services from Ameren Illinois or ComEd and/or natural gas services from Ameren Illinois, Nicor Gas, Peoples Gas or North Shore Gas. If you are a public or federally-assisted housing authority with properties located in these service areas, you are eligible to participate in the Illinois PHA Efficient Program. Applicants are required to submit documentation confirming that projects are located in the appropriate utility service territories.

This program allows participants to save money and energy energy-efficient upgrades are made to common areas and residential units. Specifically, the installation of energy efficiency measures in common areas and/or residential units must produce electricity and/or natural gas savings through improvements in building equipment, appliances and operations. Targeted public and federally-assisted housing authorities include residential households at or below 30 percent of Average Median Income (Extremely Low-Income), 50 percent of Average Median Income (Very Low-Income), and 80 percent of Average Median Income (Low-Income). Average Median Income Levels are defined by individual counties where the properties are located.

Coordination with other State of Illinois Energy Programs

The PHA Efficient Living Program reserves the right to restrict applications for energy cost reduction measures where the applicant's participation in another State of Illinois Energy and/or Energy Efficiency Portfolio Program would constitute double-dipping or a conflict of interest between programs.

1.3 | Funding Availability. Funds are limited and subject to availability. Maximum incentive rates for each individual energy efficiency measure are outlined in the Incentive Worksheets as part of the application process. The total incentive cannot exceed 100 percent of the total project cost. Custom projects are subject to cost effectiveness evaluation.

1.4 | What Is Eligible? The program will provide incentives for upgrades in electric and/or natural gas savings measures for both common areas and residential units. Incentives will be awarded in amounts up to, but not exceeding, the cost of the measure for interior lighting improvements, vending machine sensors, ENERGY STAR® rated appliances and high efficiency HVAC equipment. Incentives may not be used for the recipient's personnel expenses, the purchase of real property, operating expenses, projects that replace the use of electricity or natural gas with other fuel sources, projects that repair or replace existing equipment with like equipment, projects for the sole purpose of implementing demand response measures, projects receiving funding for the same equipment through any other funding source, custom projects with simple paybacks greater than the equipment life, and/or the purchase of used equipment.

1.5 | Disclaimer. Applications will be accepted from June 1, 2017 through December 31, 2017 or until all of the available funding is obligated. Projects must be complete and final application paperwork must be submitted by December 31, 2017 to be eligible for 2017 incentive rate. Customers shall hold the State of Illinois or the University of Illinois harmless from any and all claims, demands, and actions based upon or arising from any services performed by the customer or by their agents or employees under an incentive agreement. ILPHA EEP, by entering into an agreement, does not pledge or promise to pledge the assets of the state nor does it promise to pay any compensation to the customer from any moneys of the treasury or the state except such moneys as shall be appropriated and paid to the customer by ILPHA EEP. The customer agrees to assume all risks of loss and to indemnify and hold ILPHA EEP, its officers, agents, and employees, harmless from and against any and all liabilities, demands, claims, damages, suits, costs, fees, and expenses, incidents thereto, for injuries or negligence, intentional acts or omissions. In the event of any demand or claim, ILPHA EEP may elect to defend any such demand or claim against ILPHA EEP and will be entitled to be paid by the customer for all damages.

SECTION 2 | APPLICATION PROCESS

2.1 | Step 1: Complete Initial Application and Worksheet. Complete and sign the Initial Application and fill in as much information as possible on the Incentive Worksheet. The Initial Application and draft of the worksheet will provide basic information on the size and scope of the proposed energy cost reduction project and a general idea of the amount of incentive funds required. Each form submitted should include all of the information required in the application package. Initial Applications must include a scope of work; worksheets must be completed, detailing the proposed project and incentive amount requested. Ineligible or otherwise incomplete applications will be immediately rejected and returned to the applicant. Once complete, forms can be emailed to pha@ilpha.org, with Subject: Kate Brown, or can be mailed to the ILPHA EEP at the following address:

Kate Brown
ILPHA Energy Efficiency Program
University of Illinois
One East Saint Mary's Road
Champaign, IL 61820

2.2 | Step 2: Conference Call. Once the Initial Application has been reviewed by ILPHA EEP staff, applicants will be contacted to discuss specifics of the proposal. Methods of integrating the Energy Cost Reduction Measures (ECRMs) with the applicants' existing programs as well as the incentive amounts, payments, and reporting schedule will be discussed. Conducting a conference call confers no right upon any applicant and ILPHA EEP is not obligated to pay any costs incurred by the applicant as a result of the conference call.

2.3 | Step 3: Finalize Worksheet. After the conference call, applicants should finalize their Incentive Worksheet in order to determine the final incentive amount for their project. Once verified by ILPHA EEP staff, a Reservation Letter will be issued, which will specify the conditions of payment and the payment schedule. ILPHA EEP reserves the right to determine the appropriate payment structure on a project specific basis.

2.4 | Step 4: Installation of ECRMs. Once approved, customers are responsible for ensuring that measures meet program requirements and are properly installed. As part of the agreement, customers will be required to certify the project commencement date to ILPHA EEP and are prohibited from the sale, lease, transfer, assignment, or encumbrance of any equipment or material purchased with incentive funds without the express written approval from ILPHA EEP or for the duration of five years or the end of product life, whichever is less.

2.5 | Step 5: Verification and Reporting. | ILPHA EEP staff and Ameren Illinois, ComEd, Nicor Gas, North Shore Gas and Peoples Gas reserve the right to inspect all projects to verify compliance with program rules and the accuracy of project documentation. This may include pre-installation and post-installation inspections, metering, data collection interviews and utility bill analyses. Upon reasonable notice by ILPHA EEP, Ameren Illinois, ComEd, Nicor Gas, Peoples Gas and North Shore Gas, the customer must allow access to project documents and the facility where the measures were installed for a period of five years after receipt of incentive payment.

In addition, customers will be required to submit progress reports on a quarterly basis in accordance with the requirements of the agreement. Progress reports must include energy efficiency measures funded by project, total incentive expenditures provided during the quarter, total number of each energy efficiency measure funded during the quarter, addresses of funded projects, addresses of projects completed during the quarter, number of occupants that are at or below 30, 50, or 80 percent of the poverty level, and documentation that projects meet the utility provider requirement.

In the event of a customer's failure to comply with this requirement, the incentive agreement will provide that ILPHA EEP, may at its discretion, require the customer to return all incentive funds provided by the program, require the customer to transfer to the state ownership of equipment and materials purchased with funds and bar the customer from consideration for future funding. When requested, the customer shall return to ILPHA EEP any and all funds that are determined by ILPHA EEP to have been spent in violation of the inventive agreement.

2.6 | Step 6: Final Application. To complete the process, please send the final paperwork (worksheet, specification sheet for all proposed equipment, itemized invoice, copy of current electric and/or gas bill, and customer or trade ally W-9). Paperwork should be submitted 30 days after the project completion date or by December 31, 2017, whichever comes first.

SECTION 3 | DEFINITIONS

3.1 **Act.** | Public Utilities Act.

3.2 **AFUE.** | The Annual Fuel Utilization Efficiency (AFUE) is the season-long, average efficiency of the heating equipment being examined.

3.3 **Applicant.** | An eligible public housing authority proposing an energy efficiency project in Illinois.

3.4 **Application.** | An application that reflects the actual measures and equipment to be installed as well as determines the incentives paid.

3.5 **Common Areas.** | Areas open to and for use by all tenants, which typically include, but are not limited to, hallways, stairways, on-site building management offices, laundry rooms, community rooms, exterior spaces, etc.

3.6 **Consortium for Energy Efficiency (CEE).** | A nonprofit public benefits corporation that develops standards for both commercial and residential energy efficient equipment.

3.7 **Custom.** | Measures that are not standard projects, which typically include, but are not limited to, those shown in Section 4.5.

3.8 **Delamping.** | The permanent net reduction in the number of lamps in a fixture.

3.9 **EER.** | Energy Efficiency Ratio. A measure of the efficiency of cooling system, such as a heat pump or air conditioner, equal to the ratio of the output in BTU/hour to the input in watts.

3.10 **EF.** | The Energy Factor (EF) is a rating system used by ENERGY STAR to indicate a water heater's overall energy efficiency based on the amount of hot water produced per unit of fuel consumed over a typical day. The higher the factor, the more efficient the water heater.

3.11 **Energy Efficiency.** | Measure that reduces the amount of electricity and/or natural gas required to achieve a given end use.

3.12 **Entity.** | Any applicant submitting an application to ILPHA EEP.

3.13 **Incentive.** | A grant award or rebate.

3.14 **Incremental Measure Cost.** | The increased equipment cost of upgrading to energy-efficient equipment. For retrofit measures, such as most lighting and vending machines measures, the incremental measure cost is the total cost to purchase and install the qualifying measures. For replacement measures or new equipment the incremental measure cost is the cost to purchase and install the energy efficiency equipment minus the cost to install equipment that meets codes or standards.

3.15 **Initial Application.** | An application for incentives that reflects the estimated number of various measures to be installed (given the best information at the time of its application). It is used to determine if the project is eligible for funding, and to assure that the calculations and methodology used to estimate the energy impacts meet the program requirements. Required information must be submitted using the approved forms and attachments as prescribed in the 2015 Public Housing Authority Efficient Living Energy Program Guides.

3.16 **MBH.** | Unit of capacity equal to 1,000 Btuh or 1,000 BTUs per hour.

3.17 **Performance Period.** | The length of time the customer is required to operate the project and submit information/data to ILPHA EEP.

3.18 **Project.** | An eligible energy project that is funded through the program.

3.19 **Project Completion Date.** | The date that all necessary procurement is complete, equipment is installed and operational. The project completion date may not exceed nine months after the beginning date unless an alternative schedule has been approved by ILPHA EEP staff.

3.20 **SEER.** | The Seasonal Energy Efficiency Ratio (SEER) is the ratio used to judge how efficiently an air conditioner performs.

3.21 **Building Research Council (BRC).** | The entity that provides advice and analyses enabling public housing authorities in the State of Illinois to increase their economic viability through the efficient use of energy resources. The ILPHA EEP is sponsored by Ameren Illinois, ComEd, Nicor Gas, Peoples Gas, North Shore Gas and Nicor Gas. ILPHA EEP is managed by the School of Architecture at the University of Illinois at Urbana-Champaign.

3.22 **Standard Incentives.** | Measures that have set incentive levels.

3.23 **Total Project Cost.** | The cost to purchase and install the qualifying measures including labor and cost. Contractor labor can be included in project costs, but internal labor cannot.

SECTION 4 | ENERGY COST REDUCTION MEASURES, SPECIFICATIONS & DEFINITIONS

4.1 | LIGHTING ECRMs

4.1.1 | Bi-Level Stairwell/Hall/Garage Fixtures with Integrated Sensors

Existing fixtures must be T12 or incandescent fixtures. Eligible fixtures are hardwired two-lamp T8 fluorescent fixtures with electronic ballasts and manufacturer integrated occupancy sensors used in areas where code requires lighting 24 hours a day (such as stairwells, halls, and garages). Fixtures with manual override capabilities are not eligible. During occupied periods, the fixture should operate at full light output. During unoccupied periods, the fixture should operate at lower light output and wattage. This measure is not eligible for the occupancy sensor, incandescent to CFL, or T12 to T8 incentive.

4.1.2 | Reduced Wattage 4-foot T8 Lamps and Ballasts

Incentives are available for replacing T12 systems with reduced wattage T8 lamps and electronic ballast systems. The lamps and ballasts must meet the Consortium for Energy Efficiency (CEE) specification (www.cee1.org). Qualified lamps and ballast products can be found at http://www.cee1.org/content/cee-program-resources. Both the lamp and ballast must qualify. Incentives are calculated per lamp installed.

4.1.3 | Reduced Wattage 4-foot T8 Lamp Only

Incentives are available for replacing 32 Watt (W) T8 lamps with reduced wattage T8 lamps when an electronic ballast is already present. The lamps must be reduced wattage in accordance with the Consortium for Energy Efficiency (CEE) specification (www.cee1.org). Qualified products can be found at http://www.cee1.org/content/cee-program-resources. The nominal wattage of new lamps must be 28W (≥ 2585 Lumens) or 25W (≥ 2400 Lumens) to qualify.

4.1.4 | Reduced Wattage 8-foot T8 Lamp and Ballast

This measure is for the replacement of existing T12 lamps and magnetic ballasts with reduced wattage 8-foot T8 lamps and electronic ballasts. Lamps must have a minimum mean lumen per watt (MLPW) of 90 and must have a nominal wattage of less than 57W.

4.1.5 | Reduced Wattage 8-foot T8 Lamps Only

Incentives are available for replacing 59 Watt T8 lamps with reduced wattage 8-foot T8 lamps. Lamps must have the minimum mean lumen per watt (MLPW) of 90 and must have a nominal wattage of less than 57W. The incentive level is calculated on a per lamp basis and ballast replacement is not necessary.

4.1.6 | 2- and 3-foot T8 Lamps and Ballasts

This measure consists of replacing existing T12 lamps and magnetic ballasts with T8 lamps and electronic ballasts. The lamp must have a color rendering index (CRI) ≥80 and the ballast must have a total harmonic distortion (THD) ≤ 32 percent at full light output, and the power factor (PF) must be ≥ 90.

4.1.7 | U-bend T12 to U-bend T8 or 2'T8 Lamps and CEE Qualified Ballasts

Incentive applies for retrofitting existing U-Tube T12 lamps and magnetic ballasts with U-Tube T8 lamps and CEE qualified electronic ballasts. The lamp must have a color rendering index (CRI) ≥80. Qualified ballasts can be found at: http://www.cee1.org/content/cee-program-resources. Manufacturer's specification must be provided prior to receiving funds. Alternatively, this incentive also applies to replacing existing 2' x 2' U-tube T12 lamps and magnetic ballasts with 2-lamp 2'T8 fixtures and CEE qualified electronic ballasts. The 2'T8 lamps must meet the specifications stated in section 5.1.8.

4.1.8 | Delamp, Permanent Lamp Removal

Incentives are paid for delamping, permanent removal, of existing fluorescent lamps. De-lamp is the net reduction in the number of lamps in a fixture. Applicants are responsible for determining whether or not to use reflectors in combination with lamp removal in order to maintain adequate lighting levels. Lighting levels are expected to meet the Illuminating Engineering Society (IES) recommended light levels. Unused lamps, lamp holders, and ballasts must be permanently removed from the fixture and disposed in accordance with local regulations. This measure is applicable when retrofitting from T12 lamps to T8 lamps or reconfiguring a T8 fixture to reduce the number of lamps. Removing lamps from a T12 fixture that is not being retrofitted with T8 lamps are not eligible for this incentive. Pre-approval is required for lamp removal projects in order for ILPHA EEP to conduct a pre-retrofit inspection (if necessary).

4.1.9 | Exit Signs

High-efficiency exit signs must replace or retrofit an existing incandescent exit sign. Electroluminescent, photo-luminescent, T1 and light emitting diode (LED) exit signs are eligible under this category. Non-electrified and remote exit signs are not eligible. All new exit signs or retrofit exit signs must be UL 924 listed, have a minimum lifetime of 10 years, and have an input wattage ≤5 Watts per face.

4.1.10 | LED Lamp/Fixture < 20 Watts

Incentive applies for retrofitting 20-100 Watt incandescent lamps with LED integral lamps (screw-in base or pin-type). LED Lamp wattage must be < 20 Watts and be ENERGY STAR labeled. Specifications must be submitted with ENERGY STAR label. LED fixtures must be listed on the Design Lights™ Consortium Qualified Products list at http://www.designlights.org/ and specifications must include proof of certifications circled.

4.1.11 | LED Wall Packs (or Induction Wall Packs) - New Fixtures

Incentive applies for the replacement or retrofit of existing exterior light fixtures with new LED or induction wall pack light fixtures. LED fixtures must be listed on the Design Lights™ Consortium Qualified Products list at http://www.designlights.org/ and specifications must include proof of certifications circled.

4.1.12 | New Exterior LED or Induction Fixtures

Incentive applies for the replacement of existing incandescent, mercury vapor, T12 High Output and Very High Output fluorescent, metal halide, or high pressure sodium fixtures with new LED fixtures or new induction or retrofit induction fixtures. Retrofit must not void the fixture UL listing. New LED fixtures must be listed on the Design Lights™ Consortium Qualified Products list at http://www.designlights.org/. Linear LED lamp retrofits are not eligible for incentives. For exterior LED and Induction Wall Packs see New LED Wall Packs (or Induction Wall Packs) - New Fixtures. The incentive for this measure is based on the estimated energy savings and is equal to the lesser of $0.50 per annual kWh saved or 100 percent of the project cost for this measure.

4.1.13 | New Interior LED Fixtures

Incentive applies for the replacement of existing incandescent, mercury vapor, T12 fluorescent, metal halide, or high pressure sodium interior fixtures with new LED fixtures. New LED fixtures must be listed on the Design Lights™ Consortium Qualified Products list at http://www.designlights.org/. Linear LED lamp retrofits are not eligible for incentives. The incentive for this measure is based on the estimated watt reduction and is equal to the lesser of $1.00 per watt (W) reduced or 100 percent of the project cost for this measure.

4.1.14 | Occupancy Sensor

Passive infrared, ultrasonic, and microphonic detectors and fixture-integrated sensors or sensors with a combination thereof are eligible. All sensors must be hard-wired and control interior lighting fixtures. Incentive amount is based upon type of occupancy sensor selected. Vacancy sensors (occupancy sensors with manual on/auto off controls) are eligible under this measure as well and are encouraged for many space types.

4.2 | HVAC ECRMs

4.2.1 | High Efficiency Natural Gas Boiler

This formula-based incentive is for replacing older, inefficient natural gas boilers with high efficiency ENERGY STAR labeled units. In order to qualify for this incentive, the new boiler must have a minimum annual fuel utilization efficiency (AFUE) ratio of 90 percent (for boilers ≥1,000 MBH, a thermal efficiency (TE) ≥ 90 percent). ILPHA EEP encourages purchasing units with an AFUE rating that exceeds 90 percent and offers a greater incentive for higher efficiency units. The incentive is also based on the size (represented in MBH) of the new boiler to account for the increased cost of larger boilers. The new boiler should be sized by a mechanical engineer or HVAC specialist and the new boiler size should not exceed the existing boiler size.

4.2.2 | Boiler Lockout/Reset Controls

These controls adjust the supply water temperature based on the outdoor air temperature. This saves energy by allowing the boiler to reduce the supply water temperature on milder days, thereby reducing the overall fuel consumption of the boiler. This incentive can be combined with the high efficiency natural gas boiler incentive if installed at the same time as the new boiler is being installed.

4.2.3 | High Efficiency Natural Gas Furnace

This formula-based incentive is for replacing older, inefficient natural gas furnaces with high efficiency ENERGY STAR labeled units. In order to qualify as ENERGY STAR, the new furnace must have a minimum annual fuel utilization efficiency (AFUE) ratio of 95 percent. ILPHA EEP encourages purchasing units with an AFUE rating that exceeds 95 percent where possible and offers a greater incentive for higher efficiency units. The incentive is also based on the size (represented in MBH) of the new furnace to account for the increased cost of a larger furnace. The new furnace should be sized by a mechanical engineer or HVAC specialist and should not exceed the existing furnace size. In addition, all furnaces should be specified to have an EC Motor (see 5.2.4).

4.2.4 | Electronically Commutated Motor (ECM)

An ECM is an ultra-high efficiency programmable brushless DC motor utilizing a permanent magnet rotor and built-in inverter. They are more energy efficient and much easier to control than AC motors. At all speeds, these motors maintain an efficiency of 65-72 percent.

4.2.5 | Variable Speed Drive (VSD)

Variable-speed drives (VSDs) which are installed on existing chillers, fans, and pumps are eligible for this incentive. New chillers with integrated VSDs are eligible under the chiller incentive. VSDs on new equipment are not eligible. The installation of a VSD must accompany the permanent removal or disabling of existing flow control devices such as inlet vanes, bypass dampers, and throttling valves. The incentive is per controlled horsepower (HP).

4.2.6 | Central Air Conditioning Unit with Programmable Thermostat (Residential size, < 65 kBtuh)

Qualifying central AC units must have a rated efficiency below 13 SEER and be replaced with ENERGY STAR rated units with a minimum rated efficiency of 16 SEER. The replacement central AC unit must be less than 65,000 Btuh (approximately 5.4 tons). Incentive amount is based on the listed formula and is capped at $3,000 per unit.

4.2.7 | Central Air Conditioning Unit with Programmable Thermostat (Commercial size, ≥ 65 kBtuh)

Qualifying replacement central AC units must have a rated efficiency that meets or exceeds the listed EER values below. The replacement central AC unit must be greater than or equal to 65,000 Btuh (approximately 5.4 tons). The incentive for this measure is based on the estimated energy savings and is equal to the lesser of $1.50 per annual kWh saved or 100 percent of the project cost for this measure.

Cooling Capacity (Btuh input)	Minimum EER Required
65,000 to 239,999	12.0
240,000 to 759,999	10.8
760,000 or greater	10.2

4.2.8 | Air-Source Heat Pump (Residential Size, < 65 kBtuh)

This incentive applies for replacing qualifying electric heating and/or cooling equipment with ENERGY STAR rated Air Source Heat Pump (ASHP) units. Systems can be either split systems or single package units. Water-cooled systems, evaporative coolers, and water source heat pumps do not qualify under this program, but may qualify under the Custom Incentive Program. The efficiency of split systems is based on an Air Conditioning, Heating and Refrigeration Institute (AHRI) reference number. All packaged and split system cooling equipment must meet AHRI Standards (210/240 or 340/360), and be UL listed. The refrigerant must comply with local codes. The minimum efficiency requirements for the replacement unit are listed in the table below. A manufacturer's specification sheet indicating the system efficiency must be provided prior to receiving funds. Disposal of the existing unit must comply with local codes and ordinances. Incentive amount is based on the listed formula and is capped at $4,000 per unit.

Cooling Capacity (Btuh input)	Minimum SEER	Minimum HSPF
≤ 65,000 Btuh	16.0	8.5

4.2.9 | Air-Source Heat Pump (Commercial Size, ≥ 65 kBtuh)

This incentive applies for replacing qualifying electric heating and/or cooling equipment with high-efficiency Air Source Heat Pump (ASHP) units. Systems can be either split systems or single package units. Water-cooled systems, evaporative coolers, and water source heat pumps do not qualify under this program, but may qualify under the Custom Incentive Program. The efficiency of split systems is based on an Air Conditioning, Heating and Refrigeration Institute (AHRI) reference number. All packaged and split system cooling equipment must meet AHRI Standards (210/240 or 340/360), and be UL listed. The refrigerant must comply with local codes. The minimum efficiency requirements for the replacement unit are listed in the table below. A manufacturer's specification sheet indicating the system efficiency must be provided prior to receiving funds. Disposal of the existing unit must comply with local codes and ordinances. The incentive for this measure is based on the estimated energy savings and is equal to the lesser of $1.50 per annual kWh saved or 100 percent of the project cost for this measure.

Cooling Capacity (Btuh input)	Minimum EER Required	Heating COP 47°F db/ 43°F wb Outdoor Air	Heating COP 17°F db/ 15°F wb Outdoor Air
65,000 to 134,999	12.0	3.4	2.4
135,000 to 239,999	12.0	3.2	2.1
240,000 to 759,999	10.8	3.2	2.1
760,000 or greater	10.2	3.2	2.1

4.2.10 | Window Air Conditioning Unit

For this grant program, window AC units are defined as room air conditioners that have louvered sides. This incentive constitutes a one-for-one replacement of qualifying window AC units with an ENERGY STAR v3.0 rated unit. In order to qualify for replacement, the existing unit must have a rated EER of less than 9.0. The replacement unit must have the minimum EER rating shown in the following table. Additionally, all qualifying existing units must be hauled and recycled by an environmentally approved vendor as part of this measure. An additional incentive will be awarded for this purpose.

Product Type and Class (Btu/hr)		Window AC Units ENERGY STAR v3.0/CEE Tier 1 with louvered sides (EER)[1]
Without Reverse Cycle	< 8,000	11.2
	8,000 to 10,999	11.3
	11,000 to 13,999	11.3
	14,000 to 19,999	11.2
	20,000 to 24,999	9.8
	≥25,000	9.8
With Reverse Cycle	<14,000	10.4
	14,000 to 19,999	10.4
	≥20,000	9.8
Casement only		10.0
Casement-Slider		10.9

[1] http://www.energystar.gov/index.cfm?c=roomac.pr_crit_room_ac

4.2.11 | Through-the-Wall Air Conditioning Unit

For this grant program, through-the-wall AC units are defined as room air conditioners that do not have louvered sides. This incentive constitutes a one-for-one replacement of qualifying through-the-wall AC units with an ENERGY STAR rated unit. In order to qualify for replacement, the existing unit must have a rated EER of less than 8.4. The replacement unit must have a minimum EER rating listed below (9.8 EER for most units). Additionally, all qualifying units must be hauled and recycled by an environmentally approved vendor as part of this measure. An additional incentive will be awarded for this purpose.

Product Type and Class (Btu/hr)		Through-the-Wall AC Units ENERGY STAR v3.0/CEE Tier 1 without louvered sides (EER)
Without Reverse Cycle	< 8,000	10.4
	8,000 to 10,999	9.8
	11,000 to 13,999	9.8
	14,000 to 19,999	9.8
	20,000 to 24,999	9.8
	≥25,000	9.8
With Reverse Cycle	<14,000	9.8
	14,000 to 19,999	9.2
	≥20,000	9.2
Casement only		10.0
Casement-Slider		10.9

4.2.12 | PTHP (replace PTAC)

This incentive applies for replacing qualifying packaged terminal air conditioners (PTACs) with high efficiency packaged terminal heat pump (PTHPs). The new PTHP units should meet the following cooling efficiency condition: Replacement unit EER > 13.08 - 0.2256* Capacity (in MBH). All EER values must be rated at 95°F outdoor dry-bulb temperature. The unit should also have a minimum heating efficiency of 3.0 COP as rated at a 47°F dry-bulb/ 43°F wet-bulb outdoor air temperature. A lower incentive is applied to cooling only units as less savings is achieved.

4.2.13 | Electric Heat Pump Water Heater

Incentive applies for the installation of new hybrid electric (heat pump) water heaters. Qualifying units must be ENERGY STAR rated [have a rated energy factor (EF) ≥ 2.0 and a first hour rating (FHR) ≥ 50 gallons per hour (gph)]. A list of "Qualified Heat Pump Water Heaters" can be found at ENERGY STAR website:
http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=WHH.

4.2.14 | Natural Gas Residential Storage Water Heater

Incentive applies for the installation of new natural gas-fired, storage tank water heaters. Qualifying units must be ENERGY STAR rated [have a rated energy factor (EF) ≥ 0.67 and a first hour rating (FHR) ≥ 67 gallons per hour (gph)] and have an input capacity of 75,000 Btuh or less. New unit must be on the CEE "Residential Natural Gas Water Heaters (Storage) Qualifying Product" list available at http://library.cee1.org/content/natural-gas-residential-water-heaters-storage-qualifying-products-list/. Larger units will be considered under a custom incentive.

4.2.15 | Natural Gas Condensing Commercial Water Heater

Incentive applies for the installation of new natural gas-fired commercial water heaters. Qualifying water heaters must meet the CEE Tier 2 rating [have a rated thermal efficiency (TE) ≥ 0.94] and have an input capacity exceeding 75,000 Btuh.
These units must be on the CEE "Commercial Natural Gas Water Heaters (Storage) Qualifying Product" list available at http://www.cee1.org/content/cee-program-resources.

4.2.16 | Programmable or Limited Range Thermostats

Incentive applies for the replacement of mercury thermostats with new programmable thermostats that utilize setback schedules to reduce heating and cooling loads during periods of non-occupancy. Alternatively, the new thermostats can be limited range units that only allow the occupants to set their thermostat to a pre-determined maximum and/or minimum temperature setting. As part of this measure the existing mercury thermostats must be responsibly recycled. This can be done free of charge through the Thermostat Recycling Corporation (http://www.thermostat-recycle.org/). This measure is designed to be used in conjunction with the boiler, furnace, ASHP, and central AC replacement measures but may be used independently of those measures.

4.3 | BUILDING ENVELOPE ECRMS

4.3.1 | Air Conditioner Cover (Interior or Exterior)

This reusable cover helps reduce drafts and seals out weather, leaves, and dust during the heating season. These covers are used on both window mounted and through-the-wall air conditioners. Apply through the electric measures section if the unit is heated via electric heat or through the natural gas measures section if the unit is heated via natural gas heat.

4.3.2 | Duct Insulation & Sealing

In a typical household, approximately 20 percent of the air distributed through the duct system is lost due to leaks, holes, and poor connections in the ducts. The measure provides fund for sealing ductwork to 6 percent loss or less and insulating uninsulated ducts to at least R-6. For more information, visit: http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_ducts. Apply through the electric measures section if the household is heated via electric heat or through the natural gas measures section if the household is heated via natural gas heat.

4.3.3 | Attic/Ceiling/Wall Insulation

This measure is for upgrading attic/ceiling insulation levels to at least R-49 and wall insulation levels to at least R-13. In order to qualify for this measure, the existing unit should contain no to low levels of insulation. Apply through the electric measures section if the household is heated via electric heat or through the natural gas measures section if the household is heated via natural gas heat.

4.4 | PLUG LOAD ECRMS

4.4.1 | ENERGY STAR® Rated Refrigerator

ENERGY STAR rated refrigerators are at least 20 percent more efficient than models that meet the federal minimum energy efficiency standards. This incentive constitutes a one-for-one replacement of qualifying refrigerators with ENERGY STAR rated models. Refrigerators that qualify for replacement must be manufactured prior to 2000. Additionally, all qualifying refrigerators must be hauled and recycled by an environmentally approved vendor as part of this measure. An additional incentive will be awarded for this purpose.

4.4.2 | ENERGY STAR Rated Vending Machine

Incentive applies for the installation of a new ENERGY STAR beverage vending machine. Qualifying machines can be found at http://www.energystar.gov. Vending machines that comply with ENERGY STAR specifications use efficient compressors, fan motors, and lighting systems and are up to 50 percent more efficient than standard models.

4.4.3 | Snack Vending Machine Sensor

Incentive applies for the installation of controls on a non-refrigerated vending machine. Controls for the snack machine must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer.

4.4.4 | Beverage Vending Machine Sensor

Incentive applies for the installation of beverage machine (assumed to be refrigerated vending machine that contains only non-perishable bottled and canned beverages) controls. Controls for beverage machines must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer. The control logic should power up the machine at two-hour intervals to maintain product temperature and provide compressor protection.

4.4.5 | Plug Load Occupancy Sensor

This incentive applies to passive infrared and/or ultrasonic detectors only. Plug-load sensors must control electricity using equipment in office or cubicles, including lighting, shared copiers, and/or printers.

4.4.6 | Ceiling Fan

This incentive applies for replacing existing fans with incandescent lamps with ENERGY STAR rated ceiling fans with CFLs or LEDs. The replacement ceiling fans and CFLs/LEDs must meet all ENERGY STAR product criteria. Visit www.energystar.gov for more details. This incentive cannot be combined with the incandescent lamp to CFL/LED replacement incentives.

4.4.7 | Showerheads

This measure applies to replacing standard showerheads with WaterSense® certified showerheads. Energy-efficient fixtures will not only reduce water consumption and costs but will also reduce energy demands due to reduced hot water demand. In order to qualify for replacement, the existing units should consume 2.0 gallons per minute (gpm) or more, and the replacement showerhead should consume 1.5 gpm or less. Apply through the electric measures section if the supplied hot water is heated via an electric water heater or through the natural gas measures if the supplied hot water is heated via a natural gas water heater.

4.4.8 | Faucet Aerators

This measure applies to replacing standard faucet aerators with WaterSense certified faucet aerators. Energy-efficient fixtures will not only reduce water consumption and costs but will also reduce energy demands due to reduced hot water demand. In order to qualify for replacement, the existing units should consume 2.0 gallons per minute (gpm) or more, and the replacement aerator should consume 1.5 gpm or less. Apply through the electric measures section if the supplied hot water is heated via an electric water heater or through the natural gas section if the supplied hot water is heated via a natural gas water heater.

4.5 | COMMONLY REQUESTED CUSTOM INCENTIVE ECRMs

4.5.1 | New T8/T5 Fluorescent Fixtures with Electronic Ballast

This measure consists of replacing one or more existing T12 fixtures with new fixtures containing T8 or T5 lamps and electronic ballasts. The T8 or T5 lamps must have a color rendering index (CRI) ≥ 80. The electronic ballast must be high frequency (≥ 20 kHz), UL listed, and warranted against defects for 5 years. Ballasts must have a power factor (PF) ≥ 0.90. Ballasts for 4-foot lamps must have total harmonic distortion (THD) ≤ 20 percent at full light output. For 2- and 3-foot lamps, ballasts must have a THD ≤ 32 percent at full light output. High output T5/T8 lamps also qualify for this incentive. Consider delamping and/or installing reflectors as part of this measure.

4.5.2 | Photosensor/Daylighting Controls

This measure consists of installing photosensor controls that dim or turn off light fixtures when sufficient natural lighting is sensed by the sensor. Each sensor should control a significant amount of light fixtures so that the energy savings justify the cost of the sensor.

4.5.3 | Natural Gas Tankless Residential Water Heater

Incentive applies for the installation of new natural gas-fired residential tankless water heaters. Qualifying units must have a minimum energy factor (EF) of 0.82 and be on the CEE "Residential Natural Gas Water Heaters (Tankless) Qualifying Product" list available at http://www.cee1.org/content/cee-program-resources.

4.5.4 | Ground Source Heat Pump (Geothermal)

Incentive applies for new or retrofit Ground Source Heat Pump (GSHP) systems with Energy Efficiency Ratio (EER) ≥ 15 and Coefficient of Performance (COP) ≥ 3.4. Incentive is based on the existing system:

1. Existing System: all electric HVAC (incentive is based on both heating and cooling annual savings).
2. Existing System: Electric Cooling, Gas Heating (incentive is based on annual cooling savings only).

Incentive applies for closed loop heat exchanger system including vertical closed loop field, horizontal closed loop field, slinky closed loop field, and closed pond loop. Heat pump EER will be the published full load values at standard test conditions in accordance with ANSI/AHRI/ASHRAE ISO Standard 13256-1, 2: 1998 (Ground Loop Heat Pump).(Entering water temperature from ground loop: 77 ºF cooling, 32 ºF heating). A manufacturer's specification sheet indicating the EER and COP must accompany the application.

INITIAL APPLICATION AND INCENTIVE WORKSHEET FOR COMMON AREA AND RESIDENTIAL UNITS

JUNE 1, 2017

The Initial Application will provide basic information on the public housing authority, utility territory, and contact information. The Incentive Worksheet will provide basic information on the size and scope of the proposed lighting project and a general idea of the amount of incentive funds required. The submitted application and worksheet should include all of the information that is applicable to the public housing authority (to the best of their knowledge). If public housing authority is unable to provide account numbers, provide the address of where the project is being installed.

Electric Account Number:	Natural Gas Account Number:		
Public Housing Authority:	Number of Units:		
Applicant Name:	Title:		
Address:	City:	State:	ZIP:
Applicant Phone (with area code):	Fax Number (with area code):		
Applicant Email Address:	Applicant FEIN (9 digits):		
Alternate Name:	Title:		
Alternate Phone (with area code):			
Electric Territory (pick one): Ameren Illinois ComEd Other:			
Natural Gas Territory (pick one): Ameren Illinois Nicor Gas Peoples Gas North Shore Gas Other			
Have you previously received funding from the PHA Program or your utility? (pick one): Yes No			
Have you previously received any other funding for the applied for project? (pick one): Yes No			

Electricity Cost Reduction Measures					
Type	**Replacement Item (ERCM)**	**Quantity**	**Unit**	**Incentive**	**Incentive Amount**
4' 32W T8 Fluorescent Lamp	4'T8 Lamp (≤ 28W)		Lamps	$2	$
8' 59W T8 Fluorescent Lamp	8'T8 Lamp (≤ 57W)		Lamps	$3	$
4'T12 Fluorescent Lamp	4'T8 Lamp (≤ 28W) & Ballast		Lamps	$13	$
8'T12 Fluorescent Lamp	8'T8 Lamp (≤ 57W) & Ballast		Lamps	$16	$
2'T12 Fluorescent Lamp	2'T8 Lamp & Ballast		Lamps	$10	$
3'T12 Fluorescent Lamp	3'T8 Lamp & Ballast		Lamps	$15	$
U-Bend T12 Fluorescent Lamp	U-Bend T8 Lamp & Ballast		Lamps	$13	$
Delamp, Permanent Removal	4'T12 or T8 Lamp		Lamps	$13	$
Delamp, Permanent Removal	8'T12 or T8 Lamp		Lamps	$16	$
Delamp, Permanent Removal	2'T12 or T8 Lamp		Lamps	$10	$
Delamp, Permanent Removal	3'T12 or T8 Lamp		Lamps	$15	$
Delamp, Permanent Removal	U-Bend T12 or T8 Lamp		Lamps	$13	$
Exit Sign Replacement or Retrofit	LED Exit Sign		Signs	$25	$
Incandescent Lamp/Fixture	LED Lamp/Fixture < 20W		Lamps	$15	$
Interior LED Lighting	LED Fixture on DLC qualifying list		Fixtures	$1 per W reduced	$
LED or Induction Wall Pack	New Fixture ≤ 35W		Fixtures	$120	$
LED or Induction Wall Pack	New Fixture (36W-74W)		Fixtures	$160	$
LED or Induction Wall Pack	New Fixture ≥ 75W		Fixtures	$240	$
Outdoor Lighting	LED or Induction Fixture (non-wall pack)		Fixtures	$0.50 per kWh saved annually	$
Bi-level Lighting Control for Stairwell, Hallway, or Garage	Bi-Level Fixtures with Integrated Sensors		Fixtures	$150	$
Occupancy Sensor Lighting Control	Wall-Mounted Sensor		Sensors	$40	$
Occupancy Sensor Lighting Control	Ceiling-Mounted or Wireless Sensor		Sensors	$125	$
Plug Load Control	Occupancy Sensor		Sensors	$30	$
Vending Machine Sensor	Beverage Machine Sensor		Machines	$180	$
Vending Machine Sensor	Snack Machine Sensor		Machines	$60	$
Vending Machine	ENERGY STAR Rated Vending Machine		Machines	$200	$
Refrigerator	ENERGY STAR Rated or Better		Units	$450	$

Electricity Cost Reduction Measures (continued)					
Type	**Replacement Item (ERCM)**	**Quantity**	**Unit**	**Incentive**	**Incentive Amount**
Ceiling Fan	ENERGY STAR Rated or Better w/ CFLs or LEDs		Units	$100	
Window A/C Unit	ENERGY STAR Rated		Units	$250	$
Through-the-Wall A/a Unit	ENERGY STAR Rated		Units	$250	$
Central A/C Unit with Programmable Thermostat (Residential size, < 65 kBtuh)	ENERGY STAR Rated or Better (SEER ≥ 16)		Units	$500 + $250 x (SEER - 16) + $200 per ton Maximum award: $3,000/unit	$
			SEER Value		
			Tons		
Central A/C Unit with Programmable Thermostat (Commercial Size, ≥ 65 kBtuh)	See Section 4 for efficiency requirements		Units	Up to $1.50 per kWh saved	$
PTHP (replacing a heating PTAC unit)	Replacement unit EER > 13.08 - 0.2256* Capacity (in MBH)		Units	$475	$
PTHP or PTAC (cooling only)	Replacement unit EER > 13.08 - 0.2256* Capacity (in MBH)		Units	$400	$
Air Source Heat Pump (Residential size, < 65 kBtuh)			Units	$1,000 + $250 x (SEER - 16) + $200 per Ton Maximum award: $4,000/unit	$
			SEER Value		
			Tons		
Air Source Heat Pump (Commercial Size, ≥ 65 kBtuh)	See Section 4 for efficiency requirements		Units	Up to $1.50 per kWh saved	$
Responsible Recycling of Mercury Thermostats (Electric Heating)	Replace with Programmable or Limited Range Thermostat		Thermo-stats	$70	$
Variable Speed Drive (VSD) on <200 HP Motors	VSDs which are installed on existing chillers, fans, and pumps are eligible		Controlled HP	$200	$
Electric Heat Pump Water Heater	ENERGY STAR Rated (EF ≥ 2.0)		Units	$500	$
Interior/Exterior Air Conditioner Cover (Electric Heating)	Insulated cover for window A/C or through-the-wall A/C unit		Units	$20	$
Attic/Ceiling/Wall Insulation (Electric Heating)	Upgrade Attic/Ceiling to R-49, Walls to R-13		Square Footage	$.50	$
Duct Insulation and Sealing (Electric Heating)	Seal ducts to 6% loss or less and insulate to R-6 or better		Lamps	$500	$
Low Flow Showerheads (Electric Water Heater)	Replace standard showerheads with low flow unit ≤ 1.5 gpm		Fixtures	$15	$
Faucet Aerators (Electric Water Heater)	Replace standard aerators with low flow unit ≤ 1.5 gpm		Fixtures	$8	$
				Subtotal:	**$**

Natural Gas Cost Reduction Measures					
Type	**Replacement Item (ERCM)**	**Quantity**	**Unit**	**Incentive**	**Incentive Amount**
High Efficiency Natural Gas Space Heating Boiler	ENERGY STAR Rated or Better (AFUE ≥ 90%)		Units AFUE MBH	$4,000 + $250 x (AFUE - 90) + $20 x MBH	$
High Efficiency Natural Gas Domestic Hot Water Boiler	ENERGY STAR Rated or Better (AFUE ≥ 90%)		Units AFUE MBH	$2,000 + $250 x (AFUE - 90) + $20 x MBH	$
Residential Natural Gas Boiler Controls (< 300 MBH)	Lockout/Reset Controls		Units	$612	$
Commercial Natural Gas Boiler Controls (≥ 300 MBH)	Lockout/Reset Controls		Units	$1500	$
High Efficiency Natural Gas Furnace w/ECM Motor (<225 MBH)	ENERGY STAR Rated or Better (AFUE ≥ 95%)		Units AFUE MBH	$1,500 + $250 x (AFUE - 95) + $10 x MBH Maximum award: $3,500/unit	$
High Efficiency Natural Gas Furnace w/ECM Motor & A/C Combo	Both ENERGY STAR Rated or Better (AFUE ≥ 95% & SEER ≥ 16)		Units SEER Value AFUE Tons MBH	$2,000 + $250 x (SEER - 16) + $200 x A/C Tons + $250 x (AFUE-95) + $10 x Furnace MBH Maximum award: $5,500/unit	$
Responsible Recycling of Mercury Thermostats (Natural Gas Heating)	Replace with Programmable or Limited Range Thermostat		Thermostats	$70	$
Natural Gas Residential Water Heater	ENERGY STAR Rated (EF ≥ 0.67 & FHR ≥ 67 gph) and ≤ 75 MBH		Units	$600	$
Natural Gas Commercial Water Heater	CEE Tier 2 Rated (TE ≥ 94%) and >75 MBH input capacity		Units	$1,500	$
Interior/Exterior Air Conditioner Cover (Natural Gas Heating)	Insulated cover for window A/C or through-the-wall A/C unit		Units	$20	$
Attic/Ceiling/Wall Insulation (Natural Gas Heating)	Upgrade Attic/Ceiling to R-49, Walls to R-13		Square Footage	$0.50	$
Duct Insulation and Sealing (Natural Gas Heating)	Seal ducts to 6% loss or less and insulate to R-6 or better		Units	$500	$
Showerheads (Natural Gas Water Heater)	Replace standard showerheads with energy-efficient unit ≤ 1.5 gpm		Units	$15	$
Faucets Aerators (Natural Gas Water Heater)	Replace standard aerators with energy-efficient unit ≤ 1.5 gpm		Units	$8	$
				Subtotal:	**$**
				Grand Total (Electric & Natural Gas Measures):	**$**

CUSTOM INCENTIVES: ERCMs that are not listed in the tables above may be eligible for custom incentives at $0.30 per kWh or $3 per therm saved. The total issued incentives cannot exceed 100 percent of the total project cost.

Eligible custom projects must have a simple payback period that is shorter than the project's projected measure life.

Custom Measure	Description	kWh Saved Annually (A)	Therms Saved Annually (B)	Total Custom Incentive Amount (0.30*A + 3.00*B)
1				$
2				$
3				$
4				$
5				$
6				$
7				$
8				$
9				$
10				$
			Custom Incentive Total:	**$**
			Prescriptive Incentive Total:	**$**
			Grand Incentive Total:	**$**

Description of Existing or Proposed Program (Background Information, Current Status, Objectives and Changes with the Efficient Living: Illinois Public Housing Authority Energy Program Funding):

Comments/Questions:

Applicant hereby certifies that:

- The project complies with all applicable state, federal, and local environmental and zoning laws, ordinances, and regulations and that all required licenses, permits, etc., have either been obtained or will be obtained no later than 180 days following an award by IL PHA Staff.
- It is not in violation of the prohibitions against bribery of any officer or employee of the State of Illinois as set forth in 30 ILCS 505/10.1.
- It has not been barred from contracting with a unit of state or local government as a result of a Violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- It is not in violation of the Educational Loan Default Act (5 ILCS 385/3).
- As of the submittal date, the information provided in its application is accurate, and the individual(s) signing below are authorized to submit this application.
- All projects are located in the Ameren Illinois or ComEd electric service territory and/or Ameren Illinois, Nicor Gas, Peoples Gas, or North Shore Gas territory and/or a municipal or cooperative utility service territory in the State of Illinois.
- The applicant is targeting households at or below 80 percent of the poverty level.

Signature: _____ **Date:** _____

INVENTORY WORKSHEETS AND GUIDANCE

Inventory Notes

A detailed inventory will need to be completed in order to receive an incentive for some of the energy improvement measures. This inventory does not need to be submitted with the initial application but will be required before any incentive money is awarded.

Guidelines are listed below for some of the measures. Please consult these if you have applied for any lighting, refrigerator, washing machine, air conditioner, PTHP, furnace, boiler, or hot water heater upgrades. Example inventory tables are also listed. We encourage you to use the format given below, but if you have a preferred format you are welcome to use that as long as it includes all relevant information. However, please submit all inventories as Excel files.

Lighting Survey Guidance

- Light Survey for new fixtures to include: room/area, quantity of existing fixtures, description and wattage of existing fixtures, quantity of new fixtures, description and wattage of new fixtures.
- Light Survey for all lighting retrofits to include: room/area, quantity, description of existing fixtures, number of lamps in existing fixtures and number of lamps in retrofit fixtures. Lamp total shall match number of lamps indicated in the Lighting Incentive Spreadsheet. Retrofit lamps and ballasts shall be listed at: www.cee1.org
- Light Survey for occupancy sensors to include: room/area, wattage of fixtures controlled.
- Fixture Description should include lamp type, length, and wattage. For example 4' 40W T12 Fluorescent, 60W Incandescent, etc.

See Example Table Below:

Site or Building	Room or Unit #	Room Quantity	Existing Fixture Description	Fixture Quantity per Room	Lamp Wattage	Number of Lamps per Fixture	Estimated Usage per Day (in hours)	Number of Days Used per Year

Refrigerator Inventory Guidance

- In order to qualify for replacement, existing refrigerators must have been manufactured prior to the year 2000.
- Please include the make (manufacturer), model number, serial number, quantity, and location of each unit.
- If the age and capacity are known, please include that as well; otherwise, we can sometimes determine these from the make, model number and serial number..

See Example Table Below:

Site or Building	Room or Unit #	Quantity	Manufacturer	Model Number	Serial Number	Capacity (in cubic ft.)	Age

Room A/C Unit, Central A/C and PTAC Inventory Guidance

- Please include the make (manufacturer), model number, serial number, quantity, and location of each unit.
- If the age, EER or SEER, and capacity are known, please include that as well; otherwise, we can sometimes determine these from the make, model number and serial number.

See Example Table Below:

Site or Building	Room or Unit #	Quantity	Make	Model Number	Serial Number	Age	Cooling Capacity (in BTUs/ hour)	EER	SEER

Furnace/Boiler Inventory Guidance

- Please include the make (manufacturer), model number, serial number, quantity and location of each unit.
- If the age, capacities and AFUE are known, please include that as well; otherwise, we can sometimes determine these from the make, model number, and serial number.

See Example Table Below:

Site or Building	Room or Unit #	Quantity	Manufacturer	Model Number	Serial Number	Age	Input Capacity (in Btuh)	Output Capacity (in Btuh)	AFUE

Water Heater Inventory Guidance

- Please include the make (manufacturer), model number, serial number, quantity, location of each unit, and whether it is a natural gas or electric water heater.
- If the age, energy factor (EF) or thermal efficiency, and capacities are known, please include that as well; otherwise, we can sometimes determine these from the make, model number and serial number.
- If the water heater is electric, please include columns that show the upper watts, lower watts, and total watts connected. If it is a natural gas heater, please include columns for input capacity (in BTUs/hr) and output capacity (in BTUs/hr).

See Example Table Below:

Site or Building	Room or Unit #	Qty.	Manufacturer	Model Number	Serial Number	Fuel Source	Capacity (in gallons)	Energy Factor (EF)	Thermal Efficiency	Age

TERMS AND CONDITIONS

This program is funded by Ameren Illinois, ComEd, Nicor Gas, Peoples Gas and North Shore Gas customers in compliance with Illinois law. Certain restrictions apply. Eligibility and incentive amounts are subject to change.

INCENTIVE OFFER:

The Illinois Public Housing Authority Energy Efficiency Program (ILPHA EEP) incentives are available to assist customers in making energy efficiency improvements. This program is available from June 1, 2017 to December 31, 2017 to eligible Ameren Illinois, ComEd, Nicor Gas, Peoples Gas and North Shore Gas customers ("Customers"). ILPHA EEP projects must be complete and final application paperwork submitted by December 31, 2017 to be eligible for 2017 incentive rate. Projects must result in reduced natural gas and electricity energy use due to improvements in energy efficiency. Reduced natural gas and electricity use
resulting from fuel switching, power generation, renewable energy or operating schedule changes will not qualify. Projects receiving pre-approval will have their funds held without funding termination as long as the final application paperwork is submitted prior to December 31, 2017.

ELIGIBILITY:

ILPHA EEP measures must be new and completed in a single family or multi-family building that receive delivery service from Ameren Illinois, ComEd, Nicor Gas, Peoples Gas or North Shore Gas. Your eligibility for this offer is subject to approval by our designated ILPHA EEP program administrator.

COMPLIANCE:

- All projects must comply with the applicable federal, state and local laws and regulations, including building codes.
- ILPHA EEP projects must be installed in an existing building.
- Not available for new construction or building additions.
- Only one incentive will be granted for each project.

DELIVERY:

Applications must be delivered one of two ways:

- Mail to:
  Kate Brown
  ILPHA Energy Efficiency Program
  University of Illinois
  One East Saint Mary's Road
  Champaign, IL 61820
- Scan and Email to:
  Attn: Kate Brown
  pha@ilpha.org

APPLICATIONS:

Applications must have complete information and include the following information:

Initial Application

- The entire completed application signed by the Customer
- A copy of your most recent natural gas and electric utility bills
- Initial worksheet
- Specification sheets for all proposed equipment
- Scope of work

Final Application

- An itemized invoice from the installing contractor for the project which includes a separate line item for each installed item and include the date, installation location, install date, customer name and labor costs, if applicable. Note: Internal labor cannot be included in the cost of the project.
- Final Worksheet
- Final specification sheets (if changes were made)
- Customer W-9 or Trade Ally W-9 for payment*

PAYMENT:

Once completed paperwork is submitted, incentive payments are usually made within 6-8 weeks. Incomplete applications will either delay payments or result in denial of application approval. Ameren Illinois, ComEd, Nicor Gas, Peoples Gas and North Shore Gas reserve the right to refuse payment and participation if the Customer or contractor violates program terms and conditions. Payments made to business customers or landlords may be taxable under federal state tax codes. If payments total more than $600 per calendar year, they may be reported by the utilities to the Internal Revenue Service. The utilities are not responsible for providing advice regarding any taxes that may be imposed as a result or participation in the energy efficiency programs. Participants should consult a tax accountant or advisor regarding potential tax liability. Ameren Illinois, ComEd, Nicor Gas, Peoples Gas and North Shore Gas are not responsible for any taxes that may be imposed on your business as a result of these payments.

*Not required by Peoples Gas or North Shore Gas

INSPECTION:

Program staff reserves the right to conduct on-site pre-inspections and post-inspections of proposed and installed projects.

TAX INFORMATION:

Incentives may be subject to federal and/or state income tax reporting. Applicant is responsible for contacting a qualified tax advisor to determine tax liability. Ameren Illinois, ComEd, Nicor Gas, Peoples Gas or North Shore Gas are not responsible for any tax liability imposed on the Customer as a result of the payment of incentives.

PUBLICITY:

Ameren Illinois, ComEd, Nicor Gas, Peoples Gas or North Shore Gas reserve the right to publicize your participation in this program, unless you specifically request otherwise.

PROGRAM DISCRETION:

Incentives are available on a first-come, first-served basis.

LOGO USE:

Customers or trade allies may not use the Ameren Illinois, ComEd, Nicor Gas, Peoples Gas and North Shore Gas company and program names, or logos in any marketing, advertising or promotional material without written permission.

DISCLAIMERS:

The Customer will defend, hold harmless and release Ameren Illinois, ComEd, Nicor Gas, Peoples Gas Light and Coke Company, North Shore Gas Company, and each company's affiliates, officers, directors, shareholders, agents, employees, contractors, and representatives from any and all claims, liabilities, fines, interest, costs, expenses, and damages (including attorney's fees and court costs) incurred by the Customer or its contractors or any third party for any damage, injury, death, loss, or destruction of any kind to persons or property, to the extent the damage, injury, death, loss, or destruction arises out of or is related to the acts or omissions of Ameren Illinois, ComEd, Nicor Gas, Peoples Gas or North Shore Gas or the company's affiliates, officers, directors, shareholders, agents, employees, contractors, or representatives or to the incentive program. Peoples Gas and ComEd do not endorse any particular manufacturer, product, labor, or system design by offering these programs. AMEREN ILLINOIS, NICOR GAS, PEOPLES GAS, NORTH SHORE GAS NOR ComEd EXPRESSLY OR IMPLICITLY WARRANT THE PERFORMANCE OF ANY EQUIPMENT OR ANY CONTRACTOR'S QUALITY OF WORK. NO WARRANTY OF ANY KIND, WHETHER STATUTORY, WRITTEN, ORAL, OR IMPLIED (INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY) WILL APPLY. (Contact your contractor or equipment supplier for any warranties.)

RELEASE OF CUSTOMER INFORMATION:

Customer agrees to the release by Ameren Illinois, ComEd, Nicor Gas, Peoples Gas or North Shore Gas of any Customer data, including personally identifiable nformation, to any contractor or other vendor providing services or support under the program.

VERIFICATION:

Any Customer receiving an incentive may be contacted by an evaluator to verify service/equipment installation or be asked to complete a Customer survey.

Please allow 6-8 weeks for application processing. Incentives are paid by check in US dollars. Checks will be mailed within 6-8 weeks of the date your final application paperwork was received. It is required that you cash the incentive check within 90 days of the issuance date on the check. All submitted materials become property of incentive sponsor and will NOT be returned. For questions about ComEd, Peoples Gas and North Shore Gas, please call 844-367-5867. For Nicor Gas, call 312-344-1526. For Ameren Illinois, call 866-800-0747.

EFFICIENT LIVING:

Illinois Public Housing Authority Energy Program