

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

In the Matter of Union Electric Company d/b/a            )  
Ameren Missouri's 2nd Filing to Implement            )       File No. EO-2015-0055  
Regulatory Changes in Furtherance of Energy        )  
Efficiency as Allowed by MEEIA.                        )

**NOTIFICATION**

COMES NOW Union Electric Company d/b/a Ameren Missouri (Ameren Missouri or Company) and, pursuant to the terms of the *Non-Unanimous Stipulation and Agreement (Stipulation)* filed in this case, submits the following:

1.     The *Stipulation* requires Ameren Missouri to file a notice in this case no fewer than five business days prior to making a change in its measure and/or incentive amount offering.<sup>1</sup>

2.     As reflected in Attachments A and B, Ameren Missouri is modifying two of its incentive programs:

- Attachment A – Ameren Missouri Business Energy Efficiency, Custom Incentive Guidelines Information: The Company added an Exterior Lighting measure, with an associated incentive rate, to this program.
- Attachment B – Ameren Missouri Residential Energy Efficiency, MEEIA 2 Program Measures & Incentives: The Company increased by 25% the Exterior Lighting incentive component of the Customer Incentive Program offered by the Residential Multifamily Low Income (MFLI) program.

The incentive lists provided in Attachments A and B satisfy the filing requirement set forth in the *Stipulation*.

3.     In accordance with the *Stipulation*, Ameren Missouri is providing notice of these changes, which it intends to implement as of April 21, 2017. Attached to this pleading are copies

---

<sup>1</sup> File No. EO-2015-0055, Non-Unanimous Stipulation and Agreement, p. 4.

of the revised Custom Incentive Guidelines Information and Incentive Payments Residential Information.

WHEREFORE, Ameren Missouri respectfully files this *Notification* in compliance with the terms of the *Non-Unanimous Stipulation and Agreement*.

Respectfully submitted,

UNION ELECTRIC COMPANY,  
d/b/a Ameren Missouri

*/s/ Paula N. Johnson*

---

**Paula N. Johnson**, #68963

Senior Corporate Counsel

1901 Chouteau Avenue

St. Louis, MO 63103

(314) 554-3533 (phone)

(314) 554-4014 (fax)

[AmerenMOService@ameren.com](mailto:AmerenMOService@ameren.com)

**ATTORNEY FOR UNION ELECTRIC  
COMPANY d/b/a AMEREN MISSOURI**

**CERTIFICATE OF SERVICE**

The undersigned certifies that true and correct copies of the foregoing have been e-mailed to counsel of record in this case on this 13<sup>th</sup> day of April, 2017.

*/s/ Paula N. Johnson*

---

Paula N. Johnson

## Custom Incentive Guidelines Information

### Program Objectives:

The Custom Incentive Program provides energy efficiency expertise, services, and financial incentives to encourage the installation of new, higher efficient equipment retrofits, process improvements, and/or building system upgrades. A "Custom Incentive" is a direct payment or bill credit to a Participant for installation of Measures that are part of Projects that have been pre-approved by Ameren Missouri.

### Eligibility:

- Incentives are available for equipment purchased and installed after **March 1, 2016** and before January 31<sup>st</sup> 2019.
- All completion paperwork (completed applications, invoices, and other required documentation) must be postmarked no later than the lesser of 12 months from the date the incentive offer was signed by the customer or **January 31<sup>st</sup> 2019**.
- Installed equipment such as space heating that have little or no reduction in peak coincident demand are not eligible for incentives.
- Installed equipment that does not have a useful life (based on industry averages) that meets or exceeds 2023 are not eligible for incentives. The following is a list of examples:
  - PC Power Management
  - Strip Curtains
- Installed equipment must achieve a level of energy savings (kWh) in order to pass the cost benefit test within the application.
- Eligible Customers are commercial electric customers of Ameren Missouri that are classified under one of the following rates: Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), and Large Primary Service Rate 11(M).
- Equipment may not be purchased or installed prior to the customer signing and returning the incentive application pre-approval.

### Process:

1. All custom projects will be submitted via a custom application to Ameren Missouri for engineering review
2. Projects with incentives greater than \$10,000 will require a pre-inspection.
3. Submitted Custom incentive application will be reviewed to ensure that the measures satisfy the following program requirements:
  - a. Calculate energy savings and demand reduction potential
  - b. Verify project, measure, and installation cost estimates
  - c. Determine the value of the incentive offer
  - d. A Cost Test to verify the energy efficiency impact of the measure(s)
  - e. A simple payback that is greater than **18 months**
4. Incentive Applications for energy efficient measures will only be approved for reliable and cost-effective energy savings potential in the proposed use and site.
5. Once the project is reviewed, Ameren Missouri will send an incentive offer to the customer for their review and signature.

- a. **The customer must sign and return the offer to the Ameren Missouri within 30 days and prior to the purchase and installation of the equipment, to signify acceptance of the offer.**
- b. The customer will indicate on the written offer the following:
  - i. Estimated start date
  - ii. Installation completion date
  - iii. Final completion paperwork submittal date for the project, **which shall not exceed 12 months from the date the offer is signed**
- c. **A change in scope may result in recalculation or disqualification of the incentive offer.**

**Incentive Values and Caps:**

- Custom Incentives are based on the estimated energy savings after completion and verification of the approved energy efficiency project.
- **Reference the incentive table below for incentive rates by technology:**

| End Use                                      | \$/kWh Incentive Rate |
|--|-----------------------|
| Cooling                                      | \$0.150               |
| Building Shell                               | \$0.080               |
| HVAC (Ventilation)                           | \$0.080               |
| Cooking                                      | \$0.080               |
| (Interior) Lighting (24/7 Exterior Lighting) | \$0.075               |
| Water Heating                                | \$0.075               |
| Air Comp                                     | \$0.070               |
| Motors                                       | \$0.070               |
| Process                                      | \$0.070               |
| Miscellaneous                                | \$0.060               |
| Refrigeration                                | \$0.060               |
| Exterior Lighting (< 24/7 )                  | \$0.050               |

- Implementation of pre-approved measures may be reimbursed up to a **maximum of 50% of the total project cost or 100% of incremental cost based upon the chart below.**

| Type of Upgrade  | Incentive Max. per measure       |
|--|----------------------------------|
| Early Replacement – Existing equipment has not yet reached the end of its useful life (EUL).                       | 50% of total project cost        |
| End of Life Replacement – Existing equipment has reached end of its useful life (EUL) or has been deemed obsolete. | 100% of incremental project cost |

- Customers must install measures achieving a minimum total incentive of **\$150** per application and total incentives across all programs shall be capped at **\$3,000,000** per customer per this cycle defined as March 1, 2016 through February 28, 2019.

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Program Measures as listed are for the following Residential Program(s):

1. Heating and Cooling – Launch 3/7/2016, Revised 12/9/2016
2. Efficient Lighting – Launch 3/31/2016
3. Multifamily Low Income – Launch 4/18/2016, Revised 6/19/2016, Revised 8/1/2016, **Revised 4/5/2017**
4. Efficient Products – Launch 4/25/2016
5. Energy Efficient Kits – Launch 7/29/2016

### Heating and Cooling Incentives for Measures identified in the TRM

- Seasonal incentive - to spur the marketplace towards efficient equipment purchases during the months of July, August and/or September as determined by the implementation vendor.

| HVAC Measure<br>ER = early replacement ROF = Replace on fail | Customer-facing name                      | Incentive | Seasonal Incentive |
|--|---|-----------|--------------------|
| ASHP - SEER 15 ER with ASHP                                  | ASHP SEER 15<br>Replace ASHP              | 500       | +100               |
| ASHP - SEER 15 ROF with ASHP                                 |   |           |                    |
| ASHP - SEER 15 New Construction                              |   |           |                    |
| ASHP - SEER 15 ER Elec Resist Furnace                        | ASHP SEER 15<br>Replace Electric Furnace  | 800       | +100               |
| ASHP- SEER 15 ROF Elec Resist Furnace                        |   |           |                    |
| ASHP - SEER 16+ ER with ASHP                                 | ASHP SEER 16+<br>Replace ASHP             | 650       | +100               |
| ASHP - SEER 16+ ROF with ASHP                                |   |           |                    |
| ASHP - SEER 16+ New Construction                             |   |           |                    |
| ASHP - SEER 16+ ER Elec Resist Furnace                       | ASHP SEER 16+<br>Replace Electric Furnace | 900       | +100               |
| ASHP- SEER 16+ ROF Elec Resist Furnace                       |   |           |                    |
| CAC - SEER 14 ER   | CAC SEER 14<br>Existing unit working      | 300       | +100               |
| CAC - SEER 14 ROF  |   |           |                    |
| CAC - SEER 14 New Construction                               |   |           |                    |
| CAC - SEER 15 ER   | CAC SEER 15<br>Existing unit working      | 400       | +100               |
| CAC - SEER 15 ROF  |   |           |                    |
| CAC - SEER 15 New Construction                               |   |           |                    |
| CAC - SEER 16+ ER  | CAC SEER 16+<br>Existing unit working     | 500       | +100               |
| CAC - SEER 16+ ROF   |   |           |                    |
| CAC - SEER 16+ New Construction                              |   |           |                    |
| Ductless ASHP – SEER 19+ ER with ASHP                        | Ductless ASHP<br>Replace ASHP             | 300       | +100               |
| Ductless ASHP - SEER 19+ ROF with ASHP                       |   |           |                    |
| Ductless ASHP - SEER 19+ New Construction                    | New Ductless ASHP                         | 500       |                    |
| Ductless ASHP - SEER 19+ ER Elec Resist Furnace              |   |           | Ductless ASHP      |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| HVAC Measure<br>ER = early replacement ROF = Replace on fail                                    | Customer-facing name                                       | Incentive   | Seasonal Incentive |
|---|--|-------------|--------------------|
| Ductless ASHP- SEER 19+ ROF Elec Resist Furnace   | Replace Electric Furnace                                   |             |                    |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Included in AHRI Efficiency Rating     | <b>50</b>   |                    |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | <b>100</b>  |                    |
| Retrofit Electronically Commutated Motor (ECM) replacing permanent split capacitor blower motor | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | <b>100</b>  |                    |
| DFHP 15 SEER –New Construction  | <b>Dual Fuel Heat Pump</b>                                 | <b>175</b>  |                    |
| DFHP 16+ SEER- New Construction   |  | <b>200</b>  |                    |
| GSHP - EER 14+ ER ASHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 14+</b>                    | <b>2000</b> |                    |
| GSHP - EER 14+ ER Elec Resist Furnace   |  |             |                    |
| GSHP - EER 14+ ROF Elec Resist Furnace  |  |             |                    |
| GSHP - EER 14+ New Construction   |  |             |                    |
| GSHP - EER 23+ ER GSHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 23+</b>                    | <b>800</b>  |                    |
| GSHP - EER 14+ ROF GSHP   |  |             |                    |
| Learning Thermostat   |  | <b>100</b>  |                    |
| HVAC Maintenance and Tune-up_SF   | <b>Tune Up</b>   | <b>75</b>   |                    |
| Indoor Coil Cleaning  |  |             |                    |
| Outdoor Coil Cleaning   |  |             |                    |
| RCA 10% improvement_SF  |  |             |                    |

### Energy Efficient Lighting Incentives for Measures identified in the TRM

| Energy Efficient Lighting Measures | Low Range Incentive | High Range incentive |
|------------------------------------|---------------------|----------------------|
| 10.5W_LED_Downlight                | \$0.75              | \$5.00               |
| 10W_LED                            | \$0.75              | \$4.00               |
| 12W_LED_Dimmable                   | \$0.75              | \$5.00               |
| 15W_LED                            | \$0.75              | \$4.00               |
| 15W_LED_Flood_Light_PAR30          | \$0.75              | \$5.00               |
| 18W_LED_Flood_Light_PAR38          | \$0.75              | \$5.00               |
| 20W_LED                            | \$0.75              | \$4.00               |
| 4W_LED_Candelabra                  | \$0.75              | \$5.00               |
| 8W_LED_Globe_Light                 | \$0.75              | \$5.00               |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Multifamily Low Income (CommunitySavers™) Incentives for Measures identified in the TRM

| Multifamily Low Income Direct Install Measures – Dwelling Units | Low Range Incentive | High Range Incentive | Incentive |
|---|---------------------|----------------------|-----------|
| AC - Energy Star Room_MF  | \$400.00            | \$700.00             |           |
| AC - Energy Star Room - Thru-Wall_MF                            | \$460.00            | \$750.00             |           |
| ENERGY STAR Refrigerator_MF                                     | \$575.00            | \$1200.00            |           |
| HVAC Maintenance and Tune-up_MF                                 |                     |                      | 75.00     |
| RCA 10% Improvement (Charge Correction)                         |                     |                      | 70.00     |
| LED 9-10.5W Downlight E26 Light Bulb_MF                         | \$4.00              | \$5.75               |           |
| LED – 11-12W Dimmable Light Bulb_MF                             | \$6.00              | \$8.85               |           |
| LED - 15W Flood Light PAR30 Bulb_MF                             | \$12.50             | \$20.00              |           |
| LED - 18W Flood Light PAR38 Bulb_MF                             | \$14.00             | \$17.35              |           |
| LED – 6-8W Globe Light G25 Bulb_MF                              | \$4.00              | \$6.30               |           |
| Low Flow Faucet Aerator _MF Fixed                               |                     |                      | 6.95      |
| Low Flow Faucet Aerator _MF Swivel                              |                     |                      | 8.25      |
| Low Flow Showerhead_MF Fixed                                    |                     |                      | 27.45     |
| Low Flow Showerhead_MF Handheld                                 |                     |                      | 32.10     |
| Pipe Insulation_MF (per linear ft)                              |                     |                      | 1.02      |
| Programmable thermostat - full setback_MF                       |                     |                      | 75.00     |
| HP programmable thermostat - full setback_MF                    |                     |                      | 125.00    |
| Dirty Filter Alarm_MF   |                     |                      | 6.44      |

### Multifamily Low Income Small Business Direct Install (SBDI) Incentive List (Section added 8 1 2016)

**2M Customers will be eligible for the additional bonus on Custom or Standard measures or they will be eligible for the SBDI incentive as shown. They will be able to choose the greater of the two offers not to exceed the cost of the measure plus labor.**

#### Interior Lighting: Standard (A-Series) Lamp Replacements

| Existing Equipment         | Efficient Equipment | Unit | Incentive Per Unit |
|----------------------------|---------------------|------|--------------------|
| Incandescent 40-60 watts*  | LED ≤ 11 watts      | Lamp | \$8.00             |
| Incandescent 75-100 watts* | LED 7 - 20 watts    | Lamp | \$10.00            |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

#### Interior Lighting: Reflector Lamp or Fixture Replacements

| Existing Equipment            | Efficient Equipment | Unit            | Incentive Per Unit |
|-------------------------------|---------------------|-----------------|--------------------|
| Halogen MR-16 35-50 watts     | LED ≤ 13 watts      | Lamp or Fixture | \$16.00            |
| Incandescent or Halogen BR/R* | LED ≤ 14 watts      | Lamp or Fixture | \$17.00            |
| Incandescent or Halogen PAR*  | LED ≤ 20 watts      | Lamp or Fixture | \$22.00            |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.



# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Interior Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit |
|--------------------|---------------------|-----------------|--------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$80.00            |
| HID 176-300 watts  | LED 62 – 130 watts  | Lamp or Fixture | \$100.00           |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$180.00           |

### Interior Lighting: Linear Fluorescent Replacements

| Existing Equipment           | Efficient Equipment                              | Unit            | Incentive |
|------------------------------|--|-----------------|-----------|
| Standard Fluorescent T8      | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$2.80    |
| Fluorescent T12              | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$6.00    |
| Fluorescent T8               | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$9.00    |
| Fluorescent T12              | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$15.00   |
| Fluorescent T8/T12 Delamping | Removed Lamp*                                    | Lamp            | \$10.00   |

\*Delamping must be done in conjunction with an upgrade of remaining lamps within fixture.

Note: All other lamp lengths for linear fluorescent replacements are eligible for this incentive and the incentive amounts can be calculated by dividing the above incentive by 4 to get the "per linear foot" incentive rate.

#### Existing Equipment Examples

Standard Fluorescent T8 – 4ft lamp = 32w

Efficient Fluorescent T8 – 4ft lamp = 25/28w

Fluorescent T12 – 4ft lamp = 34/40w

\*4ft lamps are used as an example only.

#### Notes:

1. Consider U-Shaped fluorescent lamps as 4 linear feet
2. For linear fluorescent to LED fixtures use the Custom program.
3. Incentives are based on the efficient equipment linear feet.

### Exterior 24/7 or Garage 24/7 Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit |
|--------------------|---------------------|-----------------|--------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$135.00           |
| HID 176-300 watts  | LED 62 - 130 watts  | Lamp or Fixture | \$180.00           |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$250.00           |

#### Exit Sign Replacements

| Existing Equipment     | Efficient Equipment             | Unit | Incentive Per Unit |
|------------------------|---------------------------------|------|--------------------|
| Incandescent Exit Sign | LED or Electroluminescent (ELD) | Sign | \$25.00            |
| CFL Exit Sign          | LED or Electroluminescent (ELD) | Sign | \$25.00            |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Occupancy Sensors (No existing sensors installed)

| Efficient Equipment                         | Watts Controlled            | Unit   | Incentive Per Unit |
|---|-----------------------------|--------|--------------------|
| Fixture Mounted Sensor                      | Controlling 50 - 120 watts  | Sensor | \$14.00            |
| Fixture Mounted Sensor                      | Controlling 201 - 500 watts | Sensor | \$44.00            |
| Lighting Circuit Sensor (Single Technology) | Controlling 50 - 120 watts  | Sensor | \$20.00            |
| Lighting Circuit Sensor (Single Technology) | Controlling > 120 watts     | Sensor | \$50.00            |
| Lighting Circuit Sensor (Dual Technology)   | Controlling > 150 watts     | Sensor | \$65.00            |

**The following tables are based on Filed Business Standard Measures and Incentives for Multifamily Common Area & Whole buildings:**

### Interior Lighting: Standard (A-Series) Lamp Replacements

| Existing Equipment         | Efficient Equipment | Unit | Incentive Per Unit | +25% MFLI Incentive |
|----------------------------|---------------------|------|--------------------|---------------------|
| Incandescent 40-60 watts*  | LED ≤ 11 watts      | Lamp | \$5                | \$6.25              |
| Incandescent 75-100 watts* | LED 7 - 20 watts    | Lamp | \$7                | \$8.75              |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

### Interior Lighting: Reflector Lamp or Fixture Replacements

| Existing Equipment             | Efficient Equipment | Unit            | Incentive Per Unit | +25% MFLI Incentive |
|--------------------------------|---------------------|-----------------|--------------------|---------------------|
| Halogen MR-16 35-50 watts      | LED ≤ 13 watts      | Lamp or Fixture | \$11               | \$13.75             |
| Incandescent or Halogen BR/R * | LED ≤ 14 watts      | Lamp or Fixture | \$12               | \$15.00             |
| Incandescent or Halogen PAR *  | LED ≤ 20 watts      | Lamp or Fixture | \$15               | \$18.75             |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

### Interior Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit | +25% MFLI Incentive |
|--------------------|---------------------|-----------------|--------------------|---------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$50               | \$62.50             |
| HID 176-300 watts  | LED 62 - 130 watts  | Lamp or Fixture | \$70               | \$87.50             |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$105              | \$131.25            |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Interior Lighting: Linear Fluorescent Replacements

| Existing Equipment          | Efficient Equipment                              | Unit            | Incentive | +25% MFLI Incentive |
|-----------------------------|--|-----------------|-----------|---------------------|
| Standard Fluorescent T8     | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$2.00    | \$2.50              |
| Fluorescent T12             | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$3.00    | \$3.75              |
| Fluorescent T8              | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$5.00    | \$6.25              |
| Fluorescent T12             | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$10.00   | \$12.50             |
| Fluorescent T8/12 Delamping | Removed Lamp*                                    | Lamp            | \$10.00   | \$12.50             |

\*Delamping must be done in conjunction with an upgrade of remaining lamps within fixture.

Note: All other lamp lengths for linear fluorescent replacements are eligible for this incentive and the incentive amounts can be calculated by dividing the above incentive by 4 to get the "per linear foot" incentive rate.

#### Existing Equipment Examples

Standard Fluorescent T8 – 4ft lamp = 32w

Efficient Fluorescent T8 – 4ft lamp = 25/28w

Fluorescent T12 – 4ft lamp = 34/40w

#### Notes:

1. Consider U-Shaped fluorescent lamps as 4 linear feet

2. For linear fluorescent to LED fixtures use the Custom program.

3. Incentives are based on the efficient equipment linear feet.

\*4ft lamps are used as an example only. All lamp lengths are eligible.

### Exterior 24/7 or Garage 24/7 Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit | +25% MFLI Incentive |
|--------------------|---------------------|-----------------|--------------------|---------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$60               | \$75.00             |
| HID 176-300 watts  | LED 62 - 130 watts  | Lamp or Fixture | \$80               | \$100.00            |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$115              | \$143.75            |

### Exit Sign Replacements

| Existing Equipment     | Efficient Equipment             | Unit | Incentive Per Unit | +25% MFLI Incentive |
|------------------------|---------------------------------|------|--------------------|---------------------|
| Incandescent Exit Sign | LED or Electroluminescent (ELD) | Sign | \$12               | \$15                |
| CFL Exit Sign          | LED or Electroluminescent (ELD) | Sign | \$12               | \$15                |

### Occupancy Sensors (No existing sensors installed)

| Efficient Equipment                         | Watts Controlled            | Unit   | Incentive Per Unit | +25% MFLI Incentive |
|---|-----------------------------|--------|--------------------|---------------------|
| Fixture Mounted Sensor                      | Controlling 50 - 200 watts  | Sensor | \$10               | \$12.50             |
| Fixture Mounted Sensor                      | Controlling 201 - 500 watts | Sensor | \$35               | \$43.75             |
| Lighting Circuit Sensor (Single Technology) | Controlling 50 - 120 watts  | Sensor | \$15               | \$18.75             |
| Lighting Circuit Sensor (Single Technology) | Controlling > 120 watts     | Sensor | \$35               | \$43.75             |
| Lighting Circuit Sensor (Dual Technology)   | Controlling > 150 watts     | Sensor | \$45               | \$56.25             |

### Electric Water Heating Upgrade

| Equipment Size | Existing Equipment  | Efficient Equipment  | Incentive      | +25% MFLI Incentive |
|----------------|---------------------|----------------------|----------------|---------------------|
| 2.9-14.6 kW    | Electric Resistance | HP Water Heater ≥3.0 | \$1,057 / unit | \$1,321.25 / unit   |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| Equipment Size | Existing Equipment                        | Efficient Equipment | Incentive       | +25% MFLI Incentive |
|----------------|---|---------------------|-----------------|---------------------|
| 14.7-29.3 kW   | Commercial Water Heater w/ 98% Efficiency | COP                 | \$2,664 / unit  | \$3,330 / unit      |
| 29.4-87.9 kW   |   |                     | \$7,052 / unit  | \$8,815 / unit      |
| 88-146.5 kW    |   |                     | \$14,000 / unit | \$17,500 / unit     |
| >146.6 kW      |   |                     | \$21,000 / unit | \$26,250 / unit     |

### Refrigeration

| Equipment Size               | Existing Equipment      | Efficient Equipment                               | Incentive         | +25% MFLI Incentive  |
|------------------------------|-------------------------|---|-------------------|----------------------|
| less than 15ft <sup>3</sup>  | Non-ENERGY STAR Unit    | ENERGY STAR Commercial <u>Glass</u> Door Freezers | \$85 / unit       | \$106.25 / unit      |
| 15 to 30 ft <sup>3</sup>     |                         |   | \$160 / unit      | \$200.00 / unit      |
| 30 to 50 ft <sup>3</sup>     |                         |   | \$270 / unit      | \$337.50 / unit      |
| more than 50 ft <sup>3</sup> |                         |   | \$427 / unit      | \$533.75 / unit      |
| less than 15 ft <sup>3</sup> |                         | ENERGY STAR Commercial <u>Solid</u> Door Freezers | \$35 / unit       | \$43.75 / unit       |
| 15 to 30 ft <sup>3</sup>     |                         |   | \$70 / unit       | \$87.50 / unit       |
| 30 to 50 ft <sup>3</sup>     |                         |   | \$121 / unit      | \$151.25 / unit      |
| more than 50 ft <sup>3</sup> |                         |   | \$225 / unit      | \$281.25 / unit      |
|                              | No Door Heater Controls | Anti-Sweat Heater Control                         | \$68 / controller | \$85.00 / controller |

### Swimming Pools

| Existing Equipment         | Efficient Equipment   | Incentive    | +25% MFLI Incentive |
|----------------------------|-----------------------|--------------|---------------------|
| Electric Resistance Heater | Pool Heater Heat Pump | \$90 / unit  | \$112.50 / unit     |
| Pool Pump with no VFD      | Pool Pump VFD         | \$125 / unit | \$156.25 / unit     |
| No Pool Pump Timer         | Pool Pump Timer       | \$30 / unit  | \$37.50 / unit      |

### Cooking

| Equipment Size | Existing Equipment   | Efficient Equipment                  | Incentive    | +25% MFLI Incentive |
|----------------|----------------------|--------------------------------------|--------------|---------------------|
| 3 Pan          | Non-Energy Star Unit | Energy Star Steam Cooker             | \$671 / unit | \$838.75 / unit     |
| 4 Pan          |                      |                                      | \$729 / unit | \$911.25 / unit     |
| 5 Pan          |                      |                                      | \$788 / unit | \$985.00 / unit     |
| 6 Pan          |                      |                                      | \$910 / unit | \$1,137.50 / unit   |
| Full Size      |                      | Energy Star Hot Food Holding Cabinet | \$397 / unit | \$496.25 / unit     |

The following table is based on Filed Business Custom Incentives for Multifamily Common Area & Whole buildings: (section revised 6/19/2016)

| Multifamily Low Income Efficient Equipment | Business Custom Incentive | +25% MFLI Bonus Incentive |
|--|---------------------------|---------------------------|
| Cooling                                    | \$0.150                   | \$0.188                   |
| Building Shell                             | \$0.080                   | \$0.10                    |
| HVAC (Ventilation)                         | \$0.080                   | \$0.10                    |
| Cooking                                    | \$0.080                   | \$0.10                    |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| Multifamily Low Income Efficient Equipment   | Business Custom Incentive | +25% MFLI Bonus Incentive |
|--|---------------------------|---------------------------|
| (Interior) Lighting & 24/7 Exterior Lighting | \$0.075                   | \$0.094                   |
| Water Heating                                | \$0.075                   | \$0.094                   |
| Air Comp                                     | \$0.070                   | \$0.088                   |
| Motors                                       | \$0.070                   | \$0.088                   |
| Process                                      | \$0.070                   | \$0.088                   |
| Miscellaneous                                | \$0.060                   | \$0.075                   |
| Refrigeration                                | \$0.060                   | \$0.075                   |
| Exterior Lighting (Less than 24/7)           | \$0.050                   | \$0.0625                  |

**MFLI properties with no common areas are eligible for a 25% increase in Residential Heating and Cooling Measure Incentives; review current program details for eligibility and replacement efficiency requirements.**

| Multifamily Low Income HVAC Measure<br>ER = early replacement ROF = Replace on fail | Customer-facing name                      | Incentive | +25% MFLI Incentive |
|---|---|-----------|---------------------|
| ASHP - SEER 15 ER with ASHP   | ASHP SEER 15<br>Replace ASHP              | \$500     | \$625               |
| ASHP - SEER 15 ROF with ASHP  |   |           |                     |
| ASHP - SEER 15 New Construction   | New ASHP                                  |           |                     |
| ASHP - SEER 15 ER Elec Resist Furnace   | ASHP SEER 15<br>Replace Electric Furnace  | \$800     | \$1,000             |
| ASHP- SEER 15 ROF Elec Resist Furnace   |   |           |                     |
| ASHP - SEER 16+ ER with ASHP  | ASHP SEER 16+<br>Replace ASHP             | \$650     | \$812.50            |
| ASHP - SEER 16+ ROF with ASHP   |   |           |                     |
| ASHP - SEER 16+ New Construction  | New ASHP                                  |           |                     |
| ASHP - SEER 16+ ER Elec Resist Furnace  | ASHP SEER 16+<br>Replace Electric Furnace | \$900     | \$1,125             |
| ASHP- SEER 16+ ROF Elec Resist Furnace  |   |           |                     |
| CAC - SEER 14 ER  | CAC SEER 14<br>Existing unit working      | \$300     | \$375               |
| CAC - SEER 14 ROF   | CAC SEER 14<br>Existing unit not working  | \$250     | \$312.5             |
| CAC - SEER 14 New Construction  | New CAC                                   |           |                     |
| CAC - SEER 15 ER  | CAC SEER 15<br>Existing unit working      | \$400     | \$500               |
| CAC - SEER 15 ROF   | CAC SEER 15<br>Existing unit not working  | \$275     | \$343.75            |
| CAC - SEER 15 New Construction  | New CAC                                   |           |                     |
| CAC - SEER 16+ ER   | CAC SEER 16+<br>Existing unit working     | \$500     | \$625               |
| CAC - SEER 16+ ROF  | CAC SEER 16+<br>Existing unit not working | \$300     | \$375               |
| CAC - SEER 16+ New Construction   | New CAC                                   |           |                     |
| Ductless ASHP – SEER 19+ ER with ASHP   | Ductless ASHP                             | \$300     | \$375               |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| Multifamily Low Income HVAC Measure<br>ER = early replacement ROF = Replace on fail             | Customer-facing name                                       | Incentive     | +25% MFLI Incentive |
|---|--|---------------|---------------------|
| Ductless ASHP - SEER 19+ ROF with ASHP  | Replace ASHP   |               |                     |
| Ductless ASHP - SEER 19+ New Construction   | New Ductless ASHP  | <b>\$500</b>  | <b>\$625</b>        |
| Ductless ASHP - SEER 19+ ER Elec Resist Furnace   | <b>Ductless ASHP</b>                                       |               |                     |
| Ductless ASHP- SEER 19+ ROF Elec Resist Furnace   | Replace Electric Furnace                                   |               |                     |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Included in AHRI Efficiency Rating     | <b>\$50</b>   | <b>\$62.50</b>      |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | <b>\$100</b>  | <b>\$125</b>        |
| Retrofit Electronically Commutated Motor (ECM) replacing permanent split capacitor blower motor | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | <b>\$100</b>  | <b>\$125</b>        |
| DFHP 15 SEER –New Construction  | <b>Dual Fuel Heat Pump</b>                                 | <b>\$175</b>  | <b>\$218.75</b>     |
| DFHP 16+ SEER- New Construction   |  | <b>\$200</b>  | <b>\$250</b>        |
| GSHP - EER 14+ ER ASHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 14+</b>                    | <b>\$2000</b> | <b>\$2,500</b>      |
| GSHP - EER 14+ ER Elec Resist Furnace   |  |               |                     |
| GSHP - EER 14+ ROF Elec Resist Furnace  |  |               |                     |
| GSHP - EER 14+ New Construction   | <b>Geothermal Heat Pump<br/>EER 23+</b>                    | <b>\$800</b>  | <b>\$1,000</b>      |
| GSHP - EER 23+ ER GSHP with GSHP  |  |               |                     |
| GSHP - EER 14+ ROF GSHP   |  |               |                     |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Efficient Product Incentives for Measures identified in the TRM

| Efficient Product Measures                                    | Incentive Amount |
|---|------------------|
| ENERGY STAR Air Purifier                                      | \$50.00          |
| ENERGY STAR Room AC   | \$20.00          |
| ENERGY STAR Heat Pump Water Heaters                           | \$500.00         |
| Learning Tstat  | \$100.00         |
| ENERGY STAR Pool Pump and Motor w auto controls - multi-Speed | \$350.00         |
| ENERGY STAR VFDs on Residential Swimming Pool Pumps           | \$350.00         |

### Energy Efficient Kits Incentives for Measures identified in the TRM

| Efficient Kit Measures  | Low Range Incentive | High Range Incentive | Incentive Amount |
|---|---------------------|----------------------|------------------|
| 12W LED Dimmable  | \$2.00              | \$20.00              | \$5.00 - \$12.00 |
| Dirty Filter Alarm  | \$0.50              | \$20.00              | \$0.70 - \$2.00  |
| Efficient Faucet Aerator – Bathroom   | \$0.25              | \$10.00              | \$0.50 - \$2.00  |
| Efficient Faucet Aerator - Kitchen  | \$0.25              | \$10.00              | \$1.50 - \$3.00  |
| Efficient Shower Head   | \$0.25              | \$20.00              | \$3.75 - \$7.00  |
| Pipe Insulation (10LF)  | \$0.25              | \$10.00              | \$5.00 - \$9.00  |
| *When measures are part of a bundled product kit , shipping and handling is not included in above amounts |                     |                      |                  |



## Custom Incentive Guidelines Information

### Program Objectives:

The Custom Incentive Program provides energy efficiency expertise, services, and financial incentives to encourage the installation of new, higher efficient equipment retrofits, process improvements, and/or building system upgrades. A "Custom Incentive" is a direct payment or bill credit to a Participant for installation of Measures that are part of Projects that have been pre-approved by Ameren Missouri.

### Eligibility:

- Incentives are available for equipment purchased and installed after **March 1, 2016** and before January 31<sup>st</sup> 2019.
- All completion paperwork (completed applications, invoices, and other required documentation) must be postmarked no later than the lesser of 12 months from the date the incentive offer was signed by the customer or **January 31<sup>st</sup> 2019**.
- Installed equipment such as space heating that have little or no reduction in peak coincident demand are not eligible for incentives.
- Installed equipment that does not have a useful life (based on industry averages) that meets or exceeds 2023 are not eligible for incentives. The following is a list of examples:
  - PC Power Management
  - Strip Curtains
- Installed equipment must achieve a level of energy savings (kWh) in order to pass the cost benefit test within the application.
- Eligible Customers are commercial electric customers of Ameren Missouri that are classified under one of the following rates: Small General Service Rate 2(M), Large General Service Rate 3(M), Small Primary Service Rate 4(M), and Large Primary Service Rate 11(M).
- Equipment may not be purchased or installed prior to the customer signing and returning the incentive application pre-approval.

### Process:

1. All custom projects will be submitted via a custom application to Ameren Missouri for engineering review
2. Projects with incentives greater than \$10,000 will require a pre-inspection.
3. Submitted Custom incentive application will be reviewed to ensure that the measures satisfy the following program requirements:
  - a. Calculate energy savings and demand reduction potential
  - b. Verify project, measure, and installation cost estimates
  - c. Determine the value of the incentive offer
  - d. A Cost Test to verify the energy efficiency impact of the measure(s)
  - e. A simple payback that is greater than **18 months**
4. Incentive Applications for energy efficient measures will only be approved for reliable and cost-effective energy savings potential in the proposed use and site.
5. Once the project is reviewed, Ameren Missouri will send an incentive offer to the customer for their review and signature.





- a. **The customer must sign and return the offer to the Ameren Missouri within 30 days and prior to the purchase and installation of the equipment, to signify acceptance of the offer.**
- b. The customer will indicate on the written offer the following:
  - i. Estimated start date
  - ii. Installation completion date
  - iii. Final completion paperwork submittal date for the project, **which shall not exceed 12 months from the date the offer is signed**
- c. **A change in scope may result in recalculation or disqualification of the incentive offer.**

#### Incentive Values and Caps:

- Custom Incentives are based on the estimated energy savings after completion and verification of the approved energy efficiency project.
- **Reference the incentive table below for incentive rates by technology:**

| End Use                                      | \$/kWh Incentive Rate |
|--|-----------------------|
| Cooling                                      | \$0.150               |
| Building Shell                               | \$0.080               |
| HVAC (Ventilation)                           | \$0.080               |
| Cooking                                      | \$0.080               |
| (Interior) Lighting (24/7 Exterior Lighting) | \$0.075               |
| Water Heating                                | \$0.075               |
| Air Comp                                     | \$0.070               |
| Motors                                       | \$0.070               |
| Process                                      | \$0.070               |
| Miscellaneous                                | \$0.060               |
| Refrigeration                                | \$0.060               |
| Exterior Lighting (< 24/7 )                  | \$0.050               |

- Implementation of pre-approved measures may be reimbursed up to a **maximum of 50% of the total project cost or 100% of incremental cost based upon the chart below.**

| Type of Upgrade  | Incentive Max. per measure       |
|--|----------------------------------|
| Early Replacement – Existing equipment has not yet reached the end of its useful life (EUL).                       | 50% of total project cost        |
| End of Life Replacement – Existing equipment has reached end of its useful life (EUL) or has been deemed obsolete. | 100% of incremental project cost |

- Customers must install measures achieving a minimum total incentive of **\$150** per application and total incentives across all programs shall be capped at **\$3,000,000** per customer per this cycle defined as March 1, 2016 through February 28, 2019.

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Program Measures as listed are for the following Residential Program(s):

1. Heating and Cooling – Launch 3/7/2016, Revised 12/9/2016
2. Efficient Lighting – Launch 3/31/2016
3. Multifamily Low Income – Launch 4/18/2016, Revised 6/19/2016, Revised 8/1/2016, **Revised 4/5/2017**
4. Efficient Products – Launch 4/25/2016
5. Energy Efficient Kits – Launch 7/29/2016

### Heating and Cooling Incentives for Measures identified in the TRM

- Seasonal incentive - to spur the marketplace towards efficient equipment purchases during the months of July, August and/or September as determined by the implementation vendor.

| HVAC Measure<br>ER = early replacement ROF = Replace on fail | Customer-facing name                      | Incentive | Seasonal Incentive |
|--|---|-----------|--------------------|
| ASHP - SEER 15 ER with ASHP                                  | ASHP SEER 15<br>Replace ASHP              | 500       | +100               |
| ASHP - SEER 15 ROF with ASHP                                 |   |           |                    |
| ASHP - SEER 15 New Construction                              |   |           |                    |
| ASHP - SEER 15 ER Elec Resist Furnace                        | ASHP SEER 15<br>Replace Electric Furnace  | 800       | +100               |
| ASHP- SEER 15 ROF Elec Resist Furnace                        |   |           |                    |
| ASHP - SEER 16+ ER with ASHP                                 | ASHP SEER 16+<br>Replace ASHP             | 650       | +100               |
| ASHP - SEER 16+ ROF with ASHP                                |   |           |                    |
| ASHP - SEER 16+ New Construction                             |   |           |                    |
| ASHP - SEER 16+ ER Elec Resist Furnace                       | ASHP SEER 16+<br>Replace Electric Furnace | 900       | +100               |
| ASHP- SEER 16+ ROF Elec Resist Furnace                       |   |           |                    |
| CAC - SEER 14 ER   | CAC SEER 14<br>Existing unit working      | 300       | +100               |
| CAC - SEER 14 ROF  |   |           |                    |
| CAC - SEER 14 New Construction                               |   |           |                    |
| CAC - SEER 15 ER   | CAC SEER 15<br>Existing unit working      | 400       | +100               |
| CAC - SEER 15 ROF  |   |           |                    |
| CAC - SEER 15 New Construction                               |   |           |                    |
| CAC - SEER 16+ ER  | CAC SEER 16+<br>Existing unit working     | 500       | +100               |
| CAC - SEER 16+ ROF   |   |           |                    |
| CAC - SEER 16+ New Construction                              |   |           |                    |
| Ductless ASHP – SEER 19+ ER with ASHP                        | Ductless ASHP<br>Replace ASHP             | 300       | +100               |
| Ductless ASHP - SEER 19+ ROF with ASHP                       |   |           |                    |
| Ductless ASHP - SEER 19+ New Construction                    | New Ductless ASHP                         | 500       |                    |
| Ductless ASHP - SEER 19+ ER Elec Resist Furnace              |   |           |                    |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| HVAC Measure<br>ER = early replacement ROF = Replace on fail                                    | Customer-facing name                                       | Incentive   | Seasonal Incentive |
|---|--|-------------|--------------------|
| Ductless ASHP- SEER 19+ ROF Elec Resist Furnace   | Replace Electric Furnace                                   |             |                    |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Included in AHRI Efficiency Rating     | <b>50</b>   |                    |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | <b>100</b>  |                    |
| Retrofit Electronically Commutated Motor (ECM) replacing permanent split capacitor blower motor | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | <b>100</b>  |                    |
| DFHP 15 SEER –New Construction  | <b>Dual Fuel Heat Pump</b>                                 | <b>175</b>  |                    |
| DFHP 16+ SEER- New Construction   |  | <b>200</b>  |                    |
| GSHP - EER 14+ ER ASHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 14+</b>                    | <b>2000</b> |                    |
| GSHP - EER 14+ ER Elec Resist Furnace   |  |             |                    |
| GSHP - EER 14+ ROF Elec Resist Furnace  |  |             |                    |
| GSHP - EER 14+ New Construction   |  |             |                    |
| GSHP - EER 23+ ER GSHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 23+</b>                    | <b>800</b>  |                    |
| GSHP - EER 14+ ROF GSHP   |  |             |                    |
| Learning Thermostat   |  | <b>100</b>  |                    |
| HVAC Maintenance and Tune-up_SF   | <b>Tune Up</b>   | <b>75</b>   |                    |
| Indoor Coil Cleaning  |  |             |                    |
| Outdoor Coil Cleaning   |  |             |                    |
| RCA 10% improvement_SF  |  |             |                    |

### Energy Efficient Lighting Incentives for Measures identified in the TRM

| Energy Efficient Lighting Measures | Low Range Incentive | High Range incentive |
|------------------------------------|---------------------|----------------------|
| 10.5W_LED_Downlight                | \$0.75              | \$5.00               |
| 10W_LED                            | \$0.75              | \$4.00               |
| 12W_LED_Dimmable                   | \$0.75              | \$5.00               |
| 15W_LED                            | \$0.75              | \$4.00               |
| 15W_LED_Flood_Light_PAR30          | \$0.75              | \$5.00               |
| 18W_LED_Flood_Light_PAR38          | \$0.75              | \$5.00               |
| 20W_LED                            | \$0.75              | \$4.00               |
| 4W_LED_Candelabra                  | \$0.75              | \$5.00               |
| 8W_LED_Globe_Light                 | \$0.75              | \$5.00               |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Multifamily Low Income (CommunitySavers™) Incentives for Measures identified in the TRM

| Multifamily Low Income Direct Install Measures – Dwelling Units | Low Range Incentive | High Range Incentive | Incentive |
|---|---------------------|----------------------|-----------|
| AC - Energy Star Room_MF  | \$400.00            | \$700.00             |           |
| AC - Energy Star Room - Thru-Wall_MF                            | \$460.00            | \$750.00             |           |
| ENERGY STAR Refrigerator_MF                                     | \$575.00            | \$1200.00            |           |
| HVAC Maintenance and Tune-up_MF                                 |                     |                      | 75.00     |
| RCA 10% Improvement (Charge Correction)                         |                     |                      | 70.00     |
| LED 9-10.5W Downlight E26 Light Bulb_MF                         | \$4.00              | \$5.75               |           |
| LED – 11-12W Dimmable Light Bulb_MF                             | \$6.00              | \$8.85               |           |
| LED - 15W Flood Light PAR30 Bulb_MF                             | \$12.50             | \$20.00              |           |
| LED - 18W Flood Light PAR38 Bulb_MF                             | \$14.00             | \$17.35              |           |
| LED – 6-8W Globe Light G25 Bulb_MF                              | \$4.00              | \$6.30               |           |
| Low Flow Faucet Aerator _MF Fixed                               |                     |                      | 6.95      |
| Low Flow Faucet Aerator _MF Swivel                              |                     |                      | 8.25      |
| Low Flow Showerhead_MF Fixed                                    |                     |                      | 27.45     |
| Low Flow Showerhead_MF Handheld                                 |                     |                      | 32.10     |
| Pipe Insulation_MF (per linear ft)                              |                     |                      | 1.02      |
| Programmable thermostat - full setback_MF                       |                     |                      | 75.00     |
| HP programmable thermostat - full setback_MF                    |                     |                      | 125.00    |
| Dirty Filter Alarm_MF   |                     |                      | 6.44      |

### Multifamily Low Income Small Business Direct Install (SBDI) Incentive List (Section added 8 1 2016)

**2M Customers will be eligible for the additional bonus on Custom or Standard measures or they will be eligible for the SBDI incentive as shown. They will be able to choose the greater of the two offers not to exceed the cost of the measure plus labor.**

#### Interior Lighting: Standard (A-Series) Lamp Replacements

| Existing Equipment         | Efficient Equipment | Unit | Incentive Per Unit |
|----------------------------|---------------------|------|--------------------|
| Incandescent 40-60 watts*  | LED ≤ 11 watts      | Lamp | \$8.00             |
| Incandescent 75-100 watts* | LED 7 - 20 watts    | Lamp | \$10.00            |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

#### Interior Lighting: Reflector Lamp or Fixture Replacements

| Existing Equipment            | Efficient Equipment | Unit            | Incentive Per Unit |
|-------------------------------|---------------------|-----------------|--------------------|
| Halogen MR-16 35-50 watts     | LED ≤ 13 watts      | Lamp or Fixture | \$16.00            |
| Incandescent or Halogen BR/R* | LED ≤ 14 watts      | Lamp or Fixture | \$17.00            |
| Incandescent or Halogen PAR*  | LED ≤ 20 watts      | Lamp or Fixture | \$22.00            |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Interior Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit |
|--------------------|---------------------|-----------------|--------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$80.00            |
| HID 176-300 watts  | LED 62 – 130 watts  | Lamp or Fixture | \$100.00           |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$180.00           |

### Interior Lighting: Linear Fluorescent Replacements

| Existing Equipment           | Efficient Equipment                              | Unit            | Incentive |
|------------------------------|--|-----------------|-----------|
| Standard Fluorescent T8      | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$2.80    |
| Fluorescent T12              | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$6.00    |
| Fluorescent T8               | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$9.00    |
| Fluorescent T12              | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$15.00   |
| Fluorescent T8/T12 Delamping | Removed Lamp*                                    | Lamp            | \$10.00   |

\*Delamping must be done in conjunction with an upgrade of remaining lamps within fixture.

Note: All other lamp lengths for linear fluorescent replacements are eligible for this incentive and the incentive amounts can be calculated by dividing the above incentive by 4 to get the "per linear foot" incentive rate.

#### Existing Equipment Examples

Standard Fluorescent T8 – 4ft lamp = 32w

Efficient Fluorescent T8 – 4ft lamp = 25/28w

Fluorescent T12 – 4ft lamp = 34/40w

\*4ft lamps are used as an example only.

#### Notes:

1. Consider U-Shaped fluorescent lamps as 4 linear feet
2. For linear fluorescent to LED fixtures use the Custom program.
3. Incentives are based on the efficient equipment linear feet.

### Exterior 24/7 or Garage 24/7 Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit |
|--------------------|---------------------|-----------------|--------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$135.00           |
| HID 176-300 watts  | LED 62 - 130 watts  | Lamp or Fixture | \$180.00           |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$250.00           |

#### Exit Sign Replacements

| Existing Equipment     | Efficient Equipment             | Unit | Incentive Per Unit |
|------------------------|---------------------------------|------|--------------------|
| Incandescent Exit Sign | LED or Electroluminescent (ELD) | Sign | \$25.00            |
| CFL Exit Sign          | LED or Electroluminescent (ELD) | Sign | \$25.00            |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Occupancy Sensors (No existing sensors installed)

| Efficient Equipment                         | Watts Controlled            | Unit   | Incentive Per Unit |
|---|-----------------------------|--------|--------------------|
| Fixture Mounted Sensor                      | Controlling 50 - 120 watts  | Sensor | \$14.00            |
| Fixture Mounted Sensor                      | Controlling 201 - 500 watts | Sensor | \$44.00            |
| Lighting Circuit Sensor (Single Technology) | Controlling 50 - 120 watts  | Sensor | \$20.00            |
| Lighting Circuit Sensor (Single Technology) | Controlling > 120 watts     | Sensor | \$50.00            |
| Lighting Circuit Sensor (Dual Technology)   | Controlling > 150 watts     | Sensor | \$65.00            |

**The following tables are based on Filed Business Standard Measures and Incentives for Multifamily Common Area & Whole buildings:**

### Interior Lighting: Standard (A-Series) Lamp Replacements

| Existing Equipment         | Efficient Equipment | Unit | Incentive Per Unit | +25% MFLI Incentive |
|----------------------------|---------------------|------|--------------------|---------------------|
| Incandescent 40-60 watts*  | LED ≤ 11 watts      | Lamp | \$5                | \$6.25              |
| Incandescent 75-100 watts* | LED 7 - 20 watts    | Lamp | \$7                | \$8.75              |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

### Interior Lighting: Reflector Lamp or Fixture Replacements

| Existing Equipment             | Efficient Equipment | Unit            | Incentive Per Unit | +25% MFLI Incentive |
|--------------------------------|---------------------|-----------------|--------------------|---------------------|
| Halogen MR-16 35-50 watts      | LED ≤ 13 watts      | Lamp or Fixture | \$11               | \$13.75             |
| Incandescent or Halogen BR/R * | LED ≤ 14 watts      | Lamp or Fixture | \$12               | \$15.00             |
| Incandescent or Halogen PAR *  | LED ≤ 20 watts      | Lamp or Fixture | \$15               | \$18.75             |

\* Halogen equivalent wattage will be used as the base wattage to calculate energy savings.

### Interior Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit | +25% MFLI Incentive |
|--------------------|---------------------|-----------------|--------------------|---------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$50               | \$62.50             |
| HID 176-300 watts  | LED 62 - 130 watts  | Lamp or Fixture | \$70               | \$87.50             |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$105              | \$131.25            |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Interior Lighting: Linear Fluorescent Replacements

| Existing Equipment          | Efficient Equipment                              | Unit            | Incentive | +25% MFLI Incentive |
|-----------------------------|--|-----------------|-----------|---------------------|
| Standard Fluorescent T8     | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$2.00    | \$2.50              |
| Fluorescent T12             | Efficient Fluorescent T8 ≤ 28 watts per 4ft lamp | Lamp or Fixture | \$3.00    | \$3.75              |
| Fluorescent T8              | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$5.00    | \$6.25              |
| Fluorescent T12             | Linear LED ≤ 22 watts per 4ft lamp               | Lamp            | \$10.00   | \$12.50             |
| Fluorescent T8/12 Delamping | Removed Lamp*                                    | Lamp            | \$10.00   | \$12.50             |

\*Delamping must be done in conjunction with an upgrade of remaining lamps within fixture.

Note: All other lamp lengths for linear fluorescent replacements are eligible for this incentive and the incentive amounts can be calculated by dividing the above incentive by 4 to get the "per linear foot" incentive rate.

#### Existing Equipment Examples

Standard Fluorescent T8 – 4ft lamp = 32w

Efficient Fluorescent T8 – 4ft lamp = 25/28w

Fluorescent T12 – 4ft lamp = 34/40w

#### Notes:

1. Consider U-Shaped fluorescent lamps as 4 linear feet

2. For linear fluorescent to LED fixtures use the Custom program.

3. Incentives are based on the efficient equipment linear feet.

\*4ft lamps are used as an example only. All lamp lengths are eligible.

### Exterior 24/7 or Garage 24/7 Lighting: HID Lamp or Fixture Replacements

| Existing Equipment | Efficient Equipment | Unit            | Incentive Per Unit | +25% MFLI Incentive |
|--------------------|---------------------|-----------------|--------------------|---------------------|
| HID 100-175 watts  | LED ≤ 80 watts      | Lamp or Fixture | \$60               | \$75.00             |
| HID 176-300 watts  | LED 62 - 130 watts  | Lamp or Fixture | \$80               | \$100.00            |
| HID 301-500 watts  | LED 85 - 225 watts  | Lamp or Fixture | \$115              | \$143.75            |

### Exit Sign Replacements

| Existing Equipment     | Efficient Equipment             | Unit | Incentive Per Unit | +25% MFLI Incentive |
|------------------------|---------------------------------|------|--------------------|---------------------|
| Incandescent Exit Sign | LED or Electroluminescent (ELD) | Sign | \$12               | \$15                |
| CFL Exit Sign          | LED or Electroluminescent (ELD) | Sign | \$12               | \$15                |

### Occupancy Sensors (No existing sensors installed)

| Efficient Equipment                         | Watts Controlled            | Unit   | Incentive Per Unit | +25% MFLI Incentive |
|---|-----------------------------|--------|--------------------|---------------------|
| Fixture Mounted Sensor                      | Controlling 50 - 200 watts  | Sensor | \$10               | \$12.50             |
| Fixture Mounted Sensor                      | Controlling 201 - 500 watts | Sensor | \$35               | \$43.75             |
| Lighting Circuit Sensor (Single Technology) | Controlling 50 - 120 watts  | Sensor | \$15               | \$18.75             |
| Lighting Circuit Sensor (Single Technology) | Controlling > 120 watts     | Sensor | \$35               | \$43.75             |
| Lighting Circuit Sensor (Dual Technology)   | Controlling > 150 watts     | Sensor | \$45               | \$56.25             |

### Electric Water Heating Upgrade

| Equipment Size | Existing Equipment  | Efficient Equipment  | Incentive      | +25% MFLI Incentive |
|----------------|---------------------|----------------------|----------------|---------------------|
| 2.9-14.6 kW    | Electric Resistance | HP Water Heater ≥3.0 | \$1,057 / unit | \$1,321.25 / unit   |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| Equipment Size | Existing Equipment                        | Efficient Equipment | Incentive       | +25% MFLI Incentive |
|----------------|---|---------------------|-----------------|---------------------|
| 14.7-29.3 kW   | Commercial Water Heater w/ 98% Efficiency | COP                 | \$2,664 / unit  | \$3,330 / unit      |
| 29.4-87.9 kW   |   |                     | \$7,052 / unit  | \$8,815 / unit      |
| 88-146.5 kW    |   |                     | \$14,000 / unit | \$17,500 / unit     |
| >146.6 kW      |   |                     | \$21,000 / unit | \$26,250 / unit     |

### Refrigeration

| Equipment Size               | Existing Equipment      | Efficient Equipment                               | Incentive         | +25% MFLI Incentive  |
|------------------------------|-------------------------|---|-------------------|----------------------|
| less than 15ft <sup>3</sup>  | Non-ENERGY STAR Unit    | ENERGY STAR Commercial <u>Glass</u> Door Freezers | \$85 / unit       | \$106.25 / unit      |
| 15 to 30 ft <sup>3</sup>     |                         |   | \$160 / unit      | \$200.00 / unit      |
| 30 to 50 ft <sup>3</sup>     |                         |   | \$270 / unit      | \$337.50 / unit      |
| more than 50 ft <sup>3</sup> |                         |   | \$427 / unit      | \$533.75 / unit      |
| less than 15 ft <sup>3</sup> |                         | ENERGY STAR Commercial <u>Solid</u> Door Freezers | \$35 / unit       | \$43.75 / unit       |
| 15 to 30 ft <sup>3</sup>     |                         |   | \$70 / unit       | \$87.50 / unit       |
| 30 to 50 ft <sup>3</sup>     |                         |   | \$121 / unit      | \$151.25 / unit      |
| more than 50 ft <sup>3</sup> |                         |   | \$225 / unit      | \$281.25 / unit      |
|                              | No Door Heater Controls | Anti-Sweat Heater Control                         | \$68 / controller | \$85.00 / controller |

### Swimming Pools

| Existing Equipment         | Efficient Equipment   | Incentive    | +25% MFLI Incentive |
|----------------------------|-----------------------|--------------|---------------------|
| Electric Resistance Heater | Pool Heater Heat Pump | \$90 / unit  | \$112.50 / unit     |
| Pool Pump with no VFD      | Pool Pump VFD         | \$125 / unit | \$156.25 / unit     |
| No Pool Pump Timer         | Pool Pump Timer       | \$30 / unit  | \$37.50 / unit      |

### Cooking

| Equipment Size | Existing Equipment   | Efficient Equipment                  | Incentive    | +25% MFLI Incentive |
|----------------|----------------------|--------------------------------------|--------------|---------------------|
| 3 Pan          | Non-Energy Star Unit | Energy Star Steam Cooker             | \$671 / unit | \$838.75 / unit     |
| 4 Pan          |                      |                                      | \$729 / unit | \$911.25 / unit     |
| 5 Pan          |                      |                                      | \$788 / unit | \$985.00 / unit     |
| 6 Pan          |                      |                                      | \$910 / unit | \$1,137.50 / unit   |
| Full Size      |                      | Energy Star Hot Food Holding Cabinet | \$397 / unit | \$496.25 / unit     |

The following table is based on Filed Business Custom Incentives for Multifamily Common Area & Whole buildings: (section revised 6/19/2016)

| Multifamily Low Income Efficient Equipment | Business Custom Incentive | +25% MFLI Bonus Incentive |
|--|---------------------------|---------------------------|
| Cooling                                    | \$0.150                   | \$0.188                   |
| Building Shell                             | \$0.080                   | \$0.10                    |
| HVAC (Ventilation)                         | \$0.080                   | \$0.10                    |
| Cooking                                    | \$0.080                   | \$0.10                    |



# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| Multifamily Low Income Efficient Equipment   | Business Custom Incentive | +25% MFLI Bonus Incentive |
|--|---------------------------|---------------------------|
| (Interior) Lighting & 24/7 Exterior Lighting | \$0.075                   | \$0.094                   |
| Water Heating                                | \$0.075                   | \$0.094                   |
| Air Comp                                     | \$0.070                   | \$0.088                   |
| Motors                                       | \$0.070                   | \$0.088                   |
| Process                                      | \$0.070                   | \$0.088                   |
| Miscellaneous                                | \$0.060                   | \$0.075                   |
| Refrigeration                                | \$0.060                   | \$0.075                   |
| Exterior Lighting (Less than 24/7)           | \$0.050                   | \$0.0625                  |

**MFLI properties with no common areas are eligible for a 25% increase in Residential Heating and Cooling Measure Incentives; review current program details for eligibility and replacement efficiency requirements.**

| Multifamily Low Income HVAC Measure<br>ER = early replacement ROF = Replace on fail | Customer-facing name                      | Incentive | +25% MFLI Incentive |
|---|---|-----------|---------------------|
| ASHP - SEER 15 ER with ASHP   | ASHP SEER 15<br>Replace ASHP              | \$500     | \$625               |
| ASHP - SEER 15 ROF with ASHP  |   |           |                     |
| ASHP - SEER 15 New Construction   | New ASHP                                  |           |                     |
| ASHP - SEER 15 ER Elec Resist Furnace   | ASHP SEER 15<br>Replace Electric Furnace  | \$800     | \$1,000             |
| ASHP- SEER 15 ROF Elec Resist Furnace   |   |           |                     |
| ASHP - SEER 16+ ER with ASHP  | ASHP SEER 16+<br>Replace ASHP             | \$650     | \$812.50            |
| ASHP - SEER 16+ ROF with ASHP   |   |           |                     |
| ASHP - SEER 16+ New Construction  | New ASHP                                  |           |                     |
| ASHP - SEER 16+ ER Elec Resist Furnace  | ASHP SEER 16+<br>Replace Electric Furnace | \$900     | \$1,125             |
| ASHP- SEER 16+ ROF Elec Resist Furnace  |   |           |                     |
| CAC - SEER 14 ER  | CAC SEER 14<br>Existing unit working      | \$300     | \$375               |
| CAC - SEER 14 ROF   | CAC SEER 14<br>Existing unit not working  | \$250     | \$312.5             |
| CAC - SEER 14 New Construction  | New CAC                                   |           |                     |
| CAC - SEER 15 ER  | CAC SEER 15<br>Existing unit working      | \$400     | \$500               |
| CAC - SEER 15 ROF   | CAC SEER 15<br>Existing unit not working  | \$275     | \$343.75            |
| CAC - SEER 15 New Construction  | New CAC                                   |           |                     |
| CAC - SEER 16+ ER   | CAC SEER 16+<br>Existing unit working     | \$500     | \$625               |
| CAC - SEER 16+ ROF  | CAC SEER 16+<br>Existing unit not working | \$300     | \$375               |
| CAC - SEER 16+ New Construction   | New CAC                                   |           |                     |
| Ductless ASHP – SEER 19+ ER with ASHP   | Ductless ASHP                             | \$300     | \$375               |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

| Multifamily Low Income HVAC Measure<br>ER = early replacement ROF = Replace on fail             | Customer-facing name                                       | Incentive | +25% MFLI Incentive |
|---|--|-----------|---------------------|
| Ductless ASHP - SEER 19+ ROF with ASHP  | Replace ASHP   |           |                     |
| Ductless ASHP - SEER 19+ New Construction   | New Ductless ASHP  | \$500     | \$625               |
| Ductless ASHP - SEER 19+ ER Elec Resist Furnace   | <b>Ductless ASHP</b>                                       |           |                     |
| Ductless ASHP- SEER 19+ ROF Elec Resist Furnace   | Replace Electric Furnace                                   |           |                     |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Included in AHRI Efficiency Rating     | \$50      | \$62.50             |
| Electronically Commutated Motor (ECM) factory installed in new gas furnace or air handler       | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | \$100     | \$125               |
| Retrofit Electronically Commutated Motor (ECM) replacing permanent split capacitor blower motor | <b>ECM Motor</b><br>Not included in AHRI Efficiency Rating | \$100     | \$125               |
| DFHP 15 SEER –New Construction  | <b>Dual Fuel Heat Pump</b>                                 | \$175     | \$218.75            |
| DFHP 16+ SEER- New Construction   |  | \$200     | \$250               |
| GSHP - EER 14+ ER ASHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 14+</b>                    | \$2000    | \$2,500             |
| GSHP - EER 14+ ER Elec Resist Furnace   |  |           |                     |
| GSHP - EER 14+ ROF Elec Resist Furnace  |  |           |                     |
| GSHP - EER 14+ New Construction   |  |           |                     |
| GSHP - EER 23+ ER GSHP with GSHP  | <b>Geothermal Heat Pump<br/>EER 23+</b>                    | \$800     | \$1,000             |
| GSHP - EER 14+ ROF GSHP   |  |           |                     |

# Ameren Missouri Residential Energy Efficiency

## MEEIA 2 Program Measures & Incentives

### Efficient Product Incentives for Measures identified in the TRM

| Efficient Product Measures                                    | Incentive Amount |
|---|------------------|
| ENERGY STAR Air Purifier                                      | \$50.00          |
| ENERGY STAR Room AC   | \$20.00          |
| ENERGY STAR Heat Pump Water Heaters                           | \$500.00         |
| Learning Tstat  | \$100.00         |
| ENERGY STAR Pool Pump and Motor w auto controls - multi-Speed | \$350.00         |
| ENERGY STAR VFDs on Residential Swimming Pool Pumps           | \$350.00         |

### Energy Efficient Kits Incentives for Measures identified in the TRM

| Efficient Kit Measures  | Low Range Incentive | High Range Incentive | Incentive Amount |
|---|---------------------|----------------------|------------------|
| 12W LED Dimmable  | \$2.00              | \$20.00              | \$5.00 - \$12.00 |
| Dirty Filter Alarm  | \$0.50              | \$20.00              | \$0.70 - \$2.00  |
| Efficient Faucet Aerator – Bathroom   | \$0.25              | \$10.00              | \$0.50 - \$2.00  |
| Efficient Faucet Aerator - Kitchen  | \$0.25              | \$10.00              | \$1.50 - \$3.00  |
| Efficient Shower Head   | \$0.25              | \$20.00              | \$3.75 - \$7.00  |
| Pipe Insulation (10LF)  | \$0.25              | \$10.00              | \$5.00 - \$9.00  |
| *When measures are part of a bundled product kit , shipping and handling is not included in above amounts |                     |                      |                  |