MEEHA EmPower Program Guidance 2/21/2024

The Maryland Department of Housing and Community Development (DHCD) is administering the MEEHA EmPower Program for the 2024-2026 Program Cycle. DHCD accepts funding requests for projects seeking funds for energy conservation measures (ECMs). Starting on January 1st, 2024, projects applying to receive MEEHA EmPOWER funds will use the MEEHA EmPOWER Measure Funding List to determine the maximum funding amount for each measure. Measures are determined to be eligible for funding based on the following program guidance.

Projects must complete an energy audit by an energy auditor from DHCD's Qualified Energy Auditor (QEA) List. QEAs must perform comprehensive, unbiased, whole building energy audits in full compliance with program guidance. In the case that this guidance conflicts with previously stated program guidance, this guidance takes precedence.

QEAs must perform energy audits in accordance with current BPI Multifamily Building Analyst standards. This includes inspecting a sample of units based on the total unit count, including one representative dwelling unit from each unique unit type, as defined in BPI's Technical Standards for the Multifamily Building Analyst Professional¹. Variations in basic floor plan layout, HVAC type, space or water heating fuel source, or location within the building shall cause the dwelling unit to be considered a unique type. The sample shall include a representative 10 percent of all dwelling units; or a minimum of 5 units, whichever is greater. In projects with 100 units or greater, where no more than two unit types exist, and evaluation shows little variation between similar units, the sample size may be reduced to no fewer than 10 units. In most cases, no more than 20 units should require inspection. However, if results are inconsistent, additional units must be sampled.

QEAs must confirm that the estimated post-retrofit condition of the project will meet current ASHRAE ventilation standards. When necessary, QEAs must provide building ventilation recommendations that align with current building ventilation standards and take into account the recommended scope of work. QEAs must submit ASHRAE ventilation calculations to DHCD upon request.

QEAs must consider all feasible energy saving opportunities and complete a MEEHA funding request by entering the recommended energy conservation measures (ECMs) into DHCD's Hancock Mobile Intake Tool (MINT)². The funding request is completed and submitted on behalf of the project owner and must have the owner's approval. Measure costs must be identified for each ECM utilizing actual contractor bids prepared by the owners' selected contractor(s) and must include cost of materials, equipment, and installation.

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https://www.bpi.org/sites/default/files/Technical%20Standards%20for%20the%20Multifamily%20Building%20Analyst%20Professional.pdf

² MINT is under development and plans to be fully operational 4/1/2024

ECMs will be entered into MINT separately for measures associated with a residential utility meter and commercial utility meter. ECMs must be labeled indicating the location, measure type, efficiency and capacity (if applicable).

At least one authentic picture of the existing condition for each recommended ECM must be uploaded and saved in MINT. An additional picture showing the model and serial number of the existing condition is required for all measures that have model or serial numbers. Typically no more than 2 or 3 pictures will be needed for each ECM.

Additional project information is required to be entered into MINT in the Building Information's Notes section. The following information must be provided for each project:

- Building Type
- Number of Residential Units
- Number of Buildings
- Metering Structure (Master Metered or Individually Metered)
- Square Feet of Residential Space
- Square Feet of Commercial Space (Excluding Garage/Parking Area)
- Date of Energy Audit

Additional information is required for each measure and must be stated in the notes section for that measure. The additional required information is stated below in each measure section. DHCD may also request additional clarifying information during the project review.

System efficiencies may be degraded from nameplate specifications. Degraded values must fall within the Measure Specification Parameters stated below. Sources used to determine degraded values must be cited in the measure's notes.

Funding for measures not explicitly listed on the Measure Funding List can be requested and funding will be determined on a case by case basis. Calculations or methods of determining energy savings for the associated energy savings measures must be provided upon request.

Some measures stated below are mandatory. Exemptions for mandatory measures may be granted on a case by case basis.

Air Sealing: Air sealing is mandatory.

If air sealing opportunities exist, the project must make all reasonable efforts to reduce air leakage. Locations of typical air sealing opportunities are as follows in their respective locations:

| Measure | Existing Condition | Retrofit Condition | Maximum Funding Amount |
|---------------------|------------------------|------------------------------------|------------------------|
| In Unit Air Sealing | No Air Sealing Present | Locations: - Plumbing penetrations | \$250/unit |

| | | - Electrical penetrations (light switches, electric plugs, other junction boxes) - Mechanical penetrations (PTHP openings, exhaust fans) - Around duct registers - Accessible gap along base of drywall to floor - Weatherstripping of all exterior doors - Gaps around fenestration trim | |
|-------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Exterior Mechanical Closet | No Air Sealing Present | Around ductingPlumbing penetrationsOther penetrations in exterior walls | \$150/unit |
| Attic Air Scaling | No Air Soaling Propert | Plumbing or electrical penetrations in the attic floorTop plates | Low to mid rise or garden style \$300/unit |
| Attic Air Sealing | No Air Sealing Present | - Chases or bulkheads - Other penetrations to the building shell found in the attic | Townhouse or Detached House \$800/unit |

Air Sealing Measure Notes:

- Include all locations of air sealing
- If Air Sealing is not recommended, a note must be submitted justifying why Air Sealing was not recommended
- Projects must also state the effects of Air Sealing measures and if the project meets ASHRAE ventilation compliance, or needs mechanical ventilation to achieve compliance with ASHRAE requirements

Appliances: Appliance replacement measures are optional based on the QEA's recommendations.

Bath and kitchen fans or whole unit dehumidifiers can be replaced if they are shown to have an energy savings. They can also be replaced under the Health and Safety section if they are needed to achieve ASHRAE ventilation requirements.

| Measure | Existing Condition | Minimum Retrofit Efficiency Specification | Maximum Funding Amount |
|----------------------|----------------------|-------------------------------------------|------------------------|
| Bathroom Exhaust Fan | Less than 2 CFM/Watt | Energy Star Certified | \$300 |

| Pathroom Exhaust | | | | |
|------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|------------|-------|
| Bathroom Exhaust Fan w/controls | Less than 2 CFM/Watt | Energy Star Certified with Controls | \$325 | |
| Kitchen Exhaust Fan | Less than 2 CFM/Watt | Energy Star Certified | \$350 | |
| Front Loading Clothes Washer (Capacity greater than 2.5 cubic feet) | Less than 2.76 IMEF and greater than 3.2 IWF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Front Loading Clothes Washer (Capacity less than 2.5 cubic feet) | Less than 2.07 IMEF and greater than 4.2 IWF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Top Loading Clothes Washer (Capacity greater than 2.5 cubic feet) | Less than 2.06 IMEF and greater than 4.3 IWF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Top Loading Clothes Washer (Capacity less than 2.5 cubic feet) | Less than 2.07 IMEF and greater than 4.2 IWF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Standard Electric Clothes Dryer (120V) | Less than 3.93 CEF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Standard Electric Clothes Dryer (240V) | Less than 2.68 CEF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Compact Electric Clothes Dryer (120V) | Less than 3.8 CEF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| Compact Electric Clothes Dryer (240V) | Less than 3.45 CEF | Energy Star certified and at least 15% more Efficient Rating than existing | \$800 | |
| | | Energy Star certified and at least 15% more efficient than existing | 10-14 CF | \$750 |
| Refrigerator | Greater than 425 kWh/yr | | 14.1-18 CF | \$850 |
| | | | 18.1-22 CF | \$950 |
| Standard Dishwasher | Greater than 270 kWh/yr | Energy Star certified and at least 15% more efficient than existing | \$700 | |

| Compact Dishwasher | Greater than 203 kWh/yr | Energy Star certified and at least 15% more efficient than existing | \$700 |
|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------|---------|
| Induction Range | Electric resistance range or cooktop | Induction range or cooktop | \$1,000 |
| Elevator Motor or Controls | If no soft start controls exist | Geared/Gearless Regenerative; Gearless Nonregenerative | \$4,500 |
| Vending Miser | If no miser exists | Miser | \$350 |
| Bathroom Exhaust Fan (Health and Safety) | If needed to achieve ASHRAE ventilation compliance | Energy Star Certified and project meets ASHRAE Ventilation Compliance | \$300 |
| Bathroom Exhaust Fan w/controls (Health and Safety) | If needed to achieve ASHRAE ventilation compliance | Energy Star Certified w/Controls and project meets ASHRAE Ventilation Compliance | \$325 |
| Kitchen Exhaust Fan (Health and Safety) | If needed to achieve ASHRAE ventilation compliance | Energy Star Certified and project meets ASHRAE Ventilation Compliance | \$350 |
| Dehumidifier (Health and Safety) | No dehumidifier present | Energy Star Certified (must be hard wired) | \$430 |

Appliance Measure Notes:

- Source used to determine existing condition specifications
- Nameplate efficiency for appliances if the efficiency specification has been derated
- Ventilation settings needed to meet ASHRAE standards for mechanical ventilation requirements

Domestic Hot Water (DHW): Existing water heaters past their expected useful life must be replaced.

| Measure | Existing Condition | Minimum Retrofit Efficiency Specification | Maximum Fu Amour | |
|----------------------------------------|--------------------------------------|-------------------------------------------|---------------------|---------|
| Electric Water Heater Less than 0.9 EF | | 30 Gal | \$1,050 | |
| | Less than 0.9 EF | 0.92 UEF | 40 Gal | \$1,150 |
| | | | 50 Gal | \$1,250 |
| | | | 80 Gal | \$1,350 |
| Heater Less than 1.0 EF | 2.8 UEF (40 gal) 3.0 UEF (50 gal) | 40 Gal | \$2,200 | |
| | ess than 1.0 EF | 3.0 UEF, 3.0 COPh (80 gal) | 50 Gal | \$2,600 |

| | | | 80 Gal | \$3,000 |
|-------------------------------------------------|---------------------------------------------------------------|---------------------------------|--------|---------|
| | | | 30 Gal | \$525 |
| Electric Water Heater | Switching to electric DHW from fossil fuel | 0.92 UEF | 40 Gal | \$575 |
| (Electrification) | DHW | 0.92 011 | 50 Gal | \$625 |
| | | | 80 Gal | \$675 |
| Heat Pump Water | | 2.8 UEF (40 gal) | 40 Gal | \$1,100 |
| Heater | Switching from fossil fuel DHW to electric DHW | 3.0 UEF (50 gal) | 50 Gal | \$1,300 |
| (Electrification) | Divivio cicotilo Diviv | 3.0 UEF, 3.0 COPh (80 gal) | 80 Gal | \$1,500 |
| | Less than 0.8 EF | 0.81 UEF | 30 Gal | \$525 |
| Natural Gas Water Heater 79 gal or less | | | 40 Gal | \$575 |
| rieater 79 gar or less | | | 50 Gal | \$625 |
| Natural Gas Water Heater 80 gal and above | Less than 0.8 EF | 0.86 UEF / 95 TE | 80 Gal | \$675 |
| Faucet Aerators | Kitchen greater than 2 GPM Bath greater than 1.5 GPM | Kitchen 1.5 GPM Bath 1.0 GPM | : | \$5 |
| Showerheads | Greater than 2.0 GPM | 1.5 GPM | \$ | 25 |

DHW Measure Notes:

- Source used to determine existing condition specifications
- Nameplate efficiency for DHWs if the DHW efficiency specification has been derated
- Aerators and Showerheads flow rate tested or nameplate efficiency

Fenestration: Exterior window or door replacement measures are optional based on the QEA's recommendations.

| Measure | Existing Condition | Minimum Retrofit Efficiency Specification | Maximum Funding Amount |
|---------------|---------------------------------------|-------------------------------------------------------------------------|------------------------|
| Exterior Door | Less than R-3 | Door assembly must have a minimum rating of R-5 | \$700 |
| Window | Greater than .4 U-value and 0.45 SHGC | Energy Star or equivalent windows at or below 0.25 U-value and 0.4 SHGC | \$35/sq ft |

Fenestration Measure Notes:

- Source used to determine existing condition specifications
- Framing material

HVAC: The replacement of space heating and cooling equipment is mandatory if the existing equipment is past its expected useful life. All space heating and cooling equipment must be evaluated for capacity reduction based on post retrofit conditions. Demand/load calculations must be submitted to DHCD upon request. HVAC equipment cannot increase in size without written approval from DHCD.

Duct systems must be evaluated. Accessible ducts must be sealed, including ducts that exist outside the building envelope. Projects may request funding to use Aeroseal to seal the entire system's ducts when recommended by the QEA.

| Measure | Existing Condition | Minimum Retrofit Efficiency Specification | Maximum Funding Amount | |
|-----------------------------------------------------|----------------------------------------|----------------------------------------------|---------------------------|---------|
| Packaged Terminal Heat Pump | Less than 2.8 COP and 10 EER | 3.0 COP, 10.8 EER | \$3,000 | |
| Packaged Terminal Heat Pump (Electrification) | Switching to electric from fossil fuel | 3.0 COP, 10.8 EER | \$1,50 | 00 |
| | Less than 13 SEER and | 40.0550.04.11005.445.0 | 24K BTU | \$6,500 |
| | 7.5 HSPF or electric | 16 SEER, 8.1 HSPF / 15.2 SEER2, 6.9 HSPF2 | 36K BTU | \$6,750 |
| Split System Heat | resistance | 0.0 1.01 1.2 | 48K BTU | \$7,000 |
| Pump | Less than 15 SEER and | | 24K BTU | \$7,000 |
| | 7.9 HSPF or electric resistance | 18 SEER, 8.5 HSPF / 17.1 SEER2, 7.2 HSPF2 | 36K BTU | \$7,250 |
| | | | 48K BTU | \$7,500 |
| | Switching to electric from fossil fuel | 16 SEER, 8.1 HSPF / 15.2 SEER2, 6.9 HSPF2 | 24K BTU | \$3,250 |
| | | | 36K BTU | \$3,375 |
| Split System Heat | | | 48K BTU | \$3,500 |
| Pump (Electrification) | Switching to electric from fossil fuel | 18 SEER, 8.5 HSPF / 17.1 SEER2, 7.2 HSPF2 | 24K BTU | \$3,500 |
| | | | 36K BTU | \$3,625 |
| | | | 48K BTU | \$3,750 |
| | Less than 15 SEER / 12 | 18 SEER, 8.5 HSPF / 17.1 | 24K BTU | \$8,000 |
| | EER, 7.9 HSPF or | SEER2, 7.2 HSPF2 and at least | 36K BTU | \$8,500 |
| | electric resistance | 15% more efficient than existing | 48K BTU | \$9,000 |
| Mini-Split Heat Pump | Less than 16 SEER / 14 | | 24K BTU | \$8,500 |
| | EER, 8.5 HSPF or | 20 SEER, 9.0 HSPF / 19 SEER2, 7.6 HSPF2 | 36K BTU | \$9,000 |
| | electric resistance | 7.0110172 | 48K BTU | \$9,500 |
| Mini-Split Heat Pump (Electrification) | Switching to electric from fossil fuel | 18 SEER, 8.5 HSPF / 17.1 SEER2, 7.2 HSPF2 | 24K BTU | \$4,000 |

| | | | 36K BTU | \$4,250 |
|------------------------------------------------------|-----------------------------------------|--------------------------------------------|---------|---------|
| | | | 48K BTU | \$4,500 |
| | | | 24K BTU | \$4,250 |
| | Switching to electric from fossil fuel | 20 SEER, 9.0 HSPF / 19 SEER2, 7.6 HSPF2 | 36K BTU | \$4,500 |
| | nom rossii raci | 7.0110112 | 48K BTU | \$4,750 |
| Combination Space and Water Heating Gas Boiler | Less than 82 AFUE or less than 0.8 EF | 90 AFUE or .86 UEF | \$4,5 | 00 |
| Gas Furnace | Less than 82 AFUE | 90 AFUE | \$2,5 | 00 |
| | | | 24K BTU | \$3,000 |
| Condensing Unit | Less than 13 SEER | 16 SEER /15.2 SEER2 | 36K BTU | \$3,250 |
| | | | 48K BTU | \$3,500 |
| | Less than 15 SEER | 18 SEER / 17.1 SEER2 | 24K BTU | \$3,500 |
| | | | 36K BTU | \$3,750 |
| | | | 48K BTU | \$4,000 |
| Duct Sealing | No existing or ineffective duct sealing | Seal all accessible ducts | \$3/lr | ı ft |
| Duct Sealing (Aeroseal) | No existing or ineffective duct sealing | 8% total system leakage | \$60 | 0 |
| Smart Thermostats | Analog or programmable thermostat | Smart thermostats | \$30 | 0 |
| Variable Frequency Drives | Drive is not variable frequency | Variable Frequency Drive | \$1,5 | 00 |

HVAC Measure Notes:

- Nameplate efficiency for HVAC systems if the HVAC system efficiency specification has been derated
- Source used to determine existing condition specifications
- Duct systems tested or estimated for system leakage

Insulation: Insulation measures in accessible gabled attics are mandatory if the existing insulation level is below R-19. Funding will not be provided for attic or roof insulation levels above R-60.

Crawlspace and basement rim joist and ceiling and wall insulation is mandatory if no insulation exists in the location of the building shell (thermal boundary). Funding will not be provided for crawlspace wall or ceiling insulation levels above R-30. QEAs may recommend to encapsulate crawlspaces that are currently vented based on the existing conditions and industry best practices.

Spray foam insulation must be continuous and achieve the minimum required R-value on all intended covered surfaces. Spray foam insulation must cover all joist and framing members on the surface it is insulating.

Duct insulation measures on accessible ducts that exist outside the building envelope are mandatory where no insulation exists or existing insulation is not effective.

Minimum efficiency specifications for the retrofit condition in these locations are stated in the table below.

| Insulation Measure Location | Existing Condition | Minimum Retrofit Efficiency Specification |
|-----------------------------------|--------------------|-------------------------------------------|
| Gabled Attic | Less than R-38 | Minimum R-49 |
| Flat Roof | Less than R-25 | Minimum R-30 |
| Above Grade Wall | Less than R-10 | Minimum R-19 |
| Below Grade Wall | Less than R-10 | Minimum R-12 |
| Rim Joist | Less than R-10 | Minimum R-19 |
| Crawlspace or Basement Ceiling | Less than R-10 | Minimum R-30 |
| Duct Insulation | Less than R-5 | Minimum R-8 |
| Pipe Insulation | Less than R-3 | Minimum R-6 |

Costs for each type of insulation are stated in the table below.

| Measure | Maximum Funding Amount | |
|---------------------|------------------------|--|
| | R-11 \$1.50/sq ft | |
| | R-19 \$2.15/sq ft | |
| Blown-in Insulation | R-30 \$2.75/sq ft | |
| | R-38 \$3.25/sq ft | |
| | R-49 \$3.50/sq ft | |

| Batt Insulation R-11 \$1.35/sq ft R-13 \$1.90/sq ft R-19 \$2.35/sq ft R-30 \$2.95/sq ft 2" \$4.50/sq ft | | | | |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------|--|--|
| R-19 | Batt Insulation | R-11 \$1.35/sq ft | | |
| R-19 \$2.35/sq ft R-30 \$2.95/sq ft | | R-13 \$1.90/sq ft | | |
| | | R-19 \$2.35/sq ft | | |
| 2" \$4.50/sq ft | Closed Cell Spray Foam or Pigid Insulation | R-30 \$2.95/sq ft | | |
| Closed Cell Spray Foam or Rigid Insulation | | 2" \$4.50/sq ft | | |
| 3" \$5.75/sq ft | Closed Cell Spray Foam of Rigid Insulation | 3" \$5.75/sq ft | | |
| Duct Insulation \$1.50/In ft | Duct Insulation | \$1.50/ln ft | | |
| Pipe Insulation \$3.00/In ft | Pipe Insulation | \$3.00/In ft | | |

Insulation Measure Notes:

• Scope of work for insulation measures

Lighting: Lighting measures must show a minimum 15% improvement in energy specification. The location of each lighting ECM must be stated in the measure description. (Example: "Kitchen Ceiling Lighting Replacement", "Bathroom Vanity Lighting Replacement", "Entry/Foyer Lighting Replacement", etc.)

| Measure | Existing Condition | Minimum Retrofit Efficiency Specification | Maximum Funding Amount |
|---------------------------------------------|-----------------------------------------|----------------------------------------------|-----------------------------|
| Exterior Lighting | Non-LED Lighting | | Screw/Pin Base Bulb \$10 |
| | | LED Bulbs or Fixtures | 18W ILED Fixture \$20 |
| | | | 30W ILED Fixture \$40 |
| | | | 55W ILED Fixture \$50 |
| | | | 90W ILED Fixture \$100 |
| Interior Screw or Pin Based SSL Lighting | Non-LED Screw or Pin Based SSL Bulbs | | Screw/Pin Base Bulb \$10 |
| | | LED Bulbs or Fixtures | 18W ILED Fixture \$20 |
| | | | 30W ILED Fixture \$40 |
| | | | 55W ILED Fixture \$50 |
| | | | 90W ILED Fixture \$100 |
| T-Type Lighting | Non-LED Bulbs or Fixtures | | TLED Bulb \$25 |
| | | | 18W ILED Fixture \$20 |
| | | LED Bulbs or Fixtures | 30W ILED Fixture \$40 |
| | | | 55W ILED Fixture \$50 |

| | | | 90W ILED Fixture \$100 |
|-----------------|-----------|--------------------------------------------|------------------------|
| Lighting Sensor | No Sensor | Sensor (Occupancy, Photocell, Timer, etc.) | \$30 |

Lighting Measure Notes:

• If there is a change in the quantity of lamps, it must be stated in the measure notes. This includes lighting measures going from lamps to integrated fixtures as well as measures where the new fixtures will have fewer bulbs than the existing fixtures.

Miscellaneous/Other: Projects are eligible to receive incentives for the Energy Audit, Health and Safety, and Incidental Repair measures. Incentives for the energy audit are released no earlier than the first construction draw which must include energy conservation measures.

Health and Safety and Incidental Repair measures are approved on a case by case basis. Projects can request Health and Safety funding if the measure shows it will prevent or resolve issues regarding indoor air quality (IAQ), mold, etc. Projects can request Incidental Repair funding for work that is required to install or protect a program funded energy savings measure.

Maximum amounts available for Energy Audit, Health and Safety, and Incidental Repair measures are as follows.

| Measure | | Maximum Funding Amount | |
|-------------------|-------------------------------------------------|------------------------------------------|--|
| Energy Auditor | | \$4,000 | |
| Incidental Repair | Electrical Repairs | | |
| | Plumbing Repairs | | |
| | Carpentry Repairs | | |
| | Exterior Wall Repairs | | |
| | Interior Wall Repairs | Up to 10% of Energy Efficiency funding | |
| | Floor Repair | | |
| | Install Access (Attic, Kneewall, Crawlspace) | | |
| | Other | - | |
| | Dehumidifier | | |
| | Bath Exhaust Fan | | |
| Health and Safety | Kitchen Exhaust Fan | Lin to 100/ of Energy Efficiency funding | |
| | ERV/HRV | Up to 10% of Energy Efficiency funding | |
| | Fan Timer/Controls | | |
| | Exhaust Vent/Flue Pipe | | |

| Repair |
|------------------------------|
| Exterior Vent Termination |
| Exhaust Vent Insulation |
| Supply Air Vent Installation |
| Vapor Barrier |
| Asbestos Remediation |
| Other |

Miscellaneous/Other Measure Notes:

- A description of each Incidental Repair or Health and Safety measure
- The associated energy conservation measure must be stated for each Incidental Repair measure
- The reason for Health and Safety measures (i.e. to meet ASHRAE requirements, to control humidity, etc.)

New Construction: New Construction projects can receive funds for achieving specific energy efficiency certifications. Projects must submit a signed letter from an energy auditor/consultant certifying the project is designed to achieve the intended certification(s) prior to the commitment of funds. The auditor must also submit a letter at the end of construction stating the project was in-fact built to achieve the intended certification(s). Funding for new construction projects is cumulative and projects may receive funding for multiple certifications.

| Measure | Maximum Funding Amount |
|--------------------------------------------|------------------------|
| Energy Star New Construction Certification | \$700/Unit |
| Energy Star NextGen Certification | \$600/Unit |
| Zero Energy Ready Home Certification | \$1,500/Unit |
| Passive House Certification | \$1,500/Unit |

Measure Specification Parameters: Measure specification parameters are being implemented for energy savings calculation inputs in MINT. All MINT inputs for specific equipment must fall within the ranges stated below. Inputs must be based on existing conditions found by the energy auditor during the energy audit.

There may be situations where the existing condition input falls outside the stated input parameter range. In this situation, the Auditor may use an input outside of the stated range but must also state the condition causing the situation in the measure notes in MINT, including a detailed description of why this input is outside the parameter range. DHCD will review the description of the situation and will approve or deny the input change.

The following table is a list of measures and their acceptable high and low input ranges. The table also states the typical or average input based on historical program results.

| Measure Category | Measure | Input | Parameter High | Typical Input or Average Value | Parameter Low |
|---------------------------------------|-----------------------------------------------------------|--------------|-------------------------|--------------------------------------|-------------------------------------|
| Heating System | Gas Furnace | AFUE | Nameplate Efficiency | 2.0 AFUE reduction | 5.0 AFUE reduction |
| | Heat Pump (Heat) | HSPF | Nameplate Efficiency | 1.4 HSPF reduction | 1.7 HSPF reduction |
| | Electric Resistance Heat (PTAC, Baseboard, Furnace) | COP | 1 | 0 reduction | 0 reduction |
| | PTHP (heating) | COP | Nameplate Efficiency | 0.4 COP reduction | 0.5 COP reduction |
| Cooling System | Split System Condensing Unit | SEER, EER | Nameplate Efficiency | 2 EER or 2.3 SEER reduction | 2.5 EER or 2.8 SEER reduction |
| | PTAC (cooling) | SEER, EER | Nameplate Efficiency | 2 EER or 2.3 SEER reduction | 2.5 EER or 2.8 SEER reduction |
| DHW | Electric DHW | EF, UEF | Nameplate Efficiency | 0.01 EF/UEF reduction | 0.03 EF/UEF reduction |
| | Gas DHW | EF, UEF | Nameplate Efficiency | 0.02 EF/UEF reduction | 0.05 EF/UEF reduction |
| | Instantaneous Gas DHW | EF, UEF | Nameplate Efficiency | 0.02 EF/UEF reduction | 0.05 EF/UEF reduction |
| Annual Lighting Run Times by | | | | | |
| Location | Exterior (commercial) | hrs | 8,670 | 3,650 | 730 |
| | Exterior (residential) | hrs | 4,380 | 365 | 182 |
| | Kitchen (residential) | hrs | 3,650 | 1,095 | 365 |
| | Bathroom (residential) | hrs | 1,825 | 912 | 365 |
| | Living / Dining Room (residential) | hrs | 2,920 | 1,095 | 365 |

| Hallway / Foyer (residential) | hrs | 2,920 | 1,095 | 1365 |
|-------------------------------------------|-----|-------|-------|------|
| Range (in kitchen) (residential) | hrs | 1,460 | 365 | 182 |
| Closet (used by tenant) (residential) | hrs | 1,095 | 365 | 182 |
| Closet (not used by tenant) (residential) | hrs | 365 | 182 | 91 |