# **MEA LMI Program FY22 Savings Estimates and Assumptions Worksheet**

Please complete the following table to provide MEA with justification for your energy savings estimates identified in your FY22 Low-to-Moderate Income Grant Program (LMI Grant Program) Application. Include all energy saving measures in your project. Listed below are examples of common measures for LMI Grant Program projects. **Applicants may add add/delete rows as necessary**. Applicants should provide estimates based on one typical home/building that is indicative of the project proposed in their application. Savings estimates will be scaled to the number of homes/buildings in the proposed project to verify estimates identified in the application.

Organization Name: Click or tap here to enter text. Project Type: Click or tap here to enter text.

Estimated # of Homes/Buildings: Click or tap here to enter text.

## **Energy Saving Measures**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Existing Measure | Existing Measure Energy Consumption (kWh/yr or MMbtu/yr) | | Existing Measure Energy Costs ($/Yr.) | Proposed EE Measure | Proposed Measure Energy Consumption (kWh/yr or MMbtu/yr) | Proposed Measure Energy Costs ($/Yr.) | Quantity | Annual Estimated Energy Savings (kWh/yr or MMbtu/yr) | Annual Estimated Cost Savings ($/Yr.) | Simple Payback |
| **Energy Measures** |  | |  |  |  |  |  |  |  |  |  |
| Attic Insulation (R-Value) |  | |  |  |  |  |  |  |  |  |  |
| Wall Insulation (R-Value) |  | |  |  |  |  |  |  |  |  |  |
| Basement Insulation (R-Value) |  | |  |  |  |  |  |  |  |  |  |
| Heating System (AFUE, SEER, HSPF, Etc..) |  | |  |  |  |  |  |  |  |  |  |
| Cooling System (SEER) |  | |  |  |  |  |  |  |  |  |  |
| Water Heating (Energy Factor) |  | |  |  |  |  |  |  |  |  |  |
| Lighting (kWh total) |  | |  |  |  |  |  |  |  |  |  |
| Refrigerator (Wattage) |  | |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |
| **Other Measures:** |  | |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |

**Type of Fuel Saved (Check all the Apply)**

**☐ Natural Gas ☐ Propane**

**☐ Electricity ☐ Other** Click or tap here to enter text.

**☐ Fuel Oil**

## **Health and Safety, Electrical Upgrades**

Please list any Health and Safety measures, as well as any electrical upgrades, that are anticipated to be installed in the home/building for your proposed project. These costs will not be used to verify energy savings estimates.

|  |  |  |
| --- | --- | --- |
|  | Quantity | Cost |
| **Health and Safety (Please List all Measures)** |  |  |
| Bathroom Exhaust Fan |  |  |
|  |  |  |
|  |  |  |
| **Other Measures:** |  |  |
| Electrical Box Upgrades |  |  |
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# Savings Assumptions

Supporting documentation must include the source of the estimated energy savings associated with each energy measure. Applicants should use energy estimates from a qualified auditor, online calculators maintained by the US Department of Energy (DOE), ENERGY STAR®, or other vetted and widely-trusted energy industry technical resources. Below is a list of several available resources that applicants could consider using to justify their energy savings estimates. This is not an exhaustive list. MEA will determine whether they feel the source cited satisfies this requirement.

|  |  |
| --- | --- |
| Energy Saving Measure | Available Resources |
| LED Lighting | [ENERGY STAR Light Bulb Savings Calculator](https://www.energystar.gov/sites/default/files/asset/document/FINAL%20DRAFT%20light_bulb_calculator_11112019.xlsx) |
| Air Sealing | [ENERGY STAR Estimated Savings](https://www.energystar.gov/campaign/seal_insulate/methodology) |
| HVAC Replacement | [Savings Calculator | Products | ENERGY STAR](https://www.energystar.gov/products/heating_cooling/guide/savings-calculator) |
| Refrigerator calculator | [ENERGY STAR Flip Your Fridge Calculator | Products | ENERGY STAR](https://www.energystar.gov/products/appliances/refrigerators/flip-your-fridge) |
| SEER Savings Calculator | [SEER Energy Savings Calculator for Air Conditioners](https://www.seerenergysavings.com/) |
| Data Collection Sheet | [Data Collection Sheet for Home Energy Score](https://www.energy.gov/sites/prod/files/2015/02/f20/HES_Tool_Data_Collection_022515.pdf) |
| Various Measures | [Mid-Atlantic Technical Reference Manual](https://neep.org/mid-atlantic-technical-reference-manual-trm-v9) |

## **Savings Assumption Table**

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| --- | --- |
| **Energy Saving Measure** | **Source for Estimated Savings (e.g., audit, ENERGY STAR calculator, etc.)** |
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