**State of Illinois**

 **Energy Efficiency**

**Technical Reference Manual**

**[****Work Paper Title]**

**[New Measure or Change to Existing Measure]**

**[Measure Name and Section # if applicable]**

**[Measure Code if applicable]**

**[Author, Company]**

**[Date]**

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Table Work Paper Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **MM/DD/YY** | **Author, Company** | **Summary of Changes** |
|  |  |  |  |
|  |  |  |  |

# Overview

Brief summary of New Measure or Change proposed to Existing measure and the rationale behind the change:

# New Measure Characterizations

Each measure characterization uses a standardized format that includes at least the following components. Measures that have a higher level of complexity may have additional components, but also follow the same format, flow and function.

Please provide text for each of the sections below with appropriate citations (see section #4) and upload any references or calculation sheets to the Tracker item.

###### Description

###### Definition of Efficient Equipment

###### Definition of Baseline Equipment

###### Deemed Lifetime of Efficient Equipment

###### Deemed Measure Cost

###### Deemed O&M Cost Adjustments

###### Loadshape

###### Coincidence Factor

###### Net To Gross Ratio

Algorithm

###### Calculation of Energy Savings

###### Electric Energy Savings

*The following example is from the residential Energy Star CFL electric energy savings algorithm.*

*∆kWh = ((WattsBase - WattsEE) / 1000) \* ISR \* Hours \* WHFe*

*Where:*

*WattsBase = Based on lumens of CFL bulb and program year purchased / installed:*

*WattsEE = Actual wattage of CFL purchased / installed*

*ISR = In Service Rate, the percentage of units rebated that are actually in service.*

*Hours = Average hours of use per year*

*PLEASE DO NOT USE MICROSOFT EQUATION EDITOR.*

###### Summer Coincident Peak Demand Savings

###### Natural Gas Savings

###### Water Impact Descriptions and Calculation

###### Deemed O&M Cost Adjustment Calculation

# Proposed Changes to Existing Measures

Copy existing TRM measure below, turn on track changes and provide proposed edits in redline with appropriate citations (see section #4). Upload any new references or calculation sheets to the Tracker item. If a change requires further explanation that should not be in the characterization itself, use a comment bubble to provide.

# References

Please refer to the Chicago style for variances on format citations.

<http://www.chicagomanualofstyle.org/tools_citationguide.html>

EXAMPLES:

**Paper presented at a meeting or conference (Including internal work papers)**

Author Name, “’Paper title” (paper presented at the annual meeting for the Organization Name, City, State, Month Day, Year).

**Website**

“Title,” last modified Month Day, Year, URL

**E-mail**

Author Name, e-mail message to author, Month Day, Year.

**Item in a commercial database**

Author Name. “Source Title” Publisher, Year. Database Name

**Book: Chapter or other part of a book**

Author Name, “Chapter,” in Title, City: Publisher, Year, page range

**Book: Published electronically**

Author Name, “Chapter,” in Title, City: Publisher, Year, Accessed Month Day, Year. URL.

**Journal Article in a print journal (Use this for program evaluations.)**

Author Name, “Article Title,” Journal Name edition (Year): page

Author Name, “Evaluation Title,” Utility Name, Program or Measure Name (Date): page

**Journal Article in an online journal**

Author Name, “Article Title,” Journal Name edition (Year): page, accessed Month Day, Year, dio:xx.xxxx/xxxxxx.

# Stakeholder Comments

Author (Company) and Date