**State of Illinois**

 **Energy Efficiency**

**Technical Reference Manual**

**[****Measure Revision and Update Title]**

**[Measure Name and Section #]**

**[Measure Code]**

**[Author, Company]**

**[Date]**

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Table 1 Revision History

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

# Summary

## Measure Components Affected

Please check all that apply.

###### [ ]  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

###### [ ]  Summer Coincident Peak Demand Savings

###### [ ]  Natural Gas Savings

###### [ ]  Water Impact Descriptions and Calculation

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

[ ]  **Measure code**

## Algorithm and Input Components Affected

### Algorithm / Input 1

### Algorithm / Input 2

## Rationale for the Change

### Methodology

### Sample Size

### Other Rationale

## Please Specify the Proposed Change

Table 2 Summary of Proposed Change

|  |  |  |  |
| --- | --- | --- | --- |
| **ITEM** | **ORIGINAL SPECIFICATION** | **PROPOSED SPECIFICATION** | **CITATION FOR PROPOSED SPECIFICATION**  |
| **In Service Rate** | **ISR = 0.8** | **ISR = 0.9** | **Author, Date, Document Name, Section #, Page #** |
|  |  |  |  |
|  |  |  |  |

## Author (Company) and Date

Please reiterate the author and company from the title page.

# Components of TRM 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.

###### 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

**Measure code**

## Measure 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

# Algorithms

## Calculation of Energy Savings

## Electric Energy Savings

## Summer Coincident Peak Demand Savings

## Natural Gas Savings

## Water Impact Descriptions and Calculation

## Deemed O&M Cost Adjustment Calculation

# 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 (Includling internal work papers and evaluations)**

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**

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