Memorandum

To: Technical Advisory Committee

**FROM:** CHERYL JENKINS, PROJECT MANAGER and SAM DENT, TECHNICAL LEAD - VEIC

subject: TRM Version 6 Draft 1 Review – Existing Measures

date: 09/16/2015

**Cc:** ANNETTE BEITEL, SAG

VEIC has submitted a number of existing measures with redline edits for review by the Technical Advisory Committee. This draft is not a complete TRM and only has redlines of sections and measures that have been worked on and discussed at the TAC meetings to date. On November 9th, the first full draft of the v6.0 TRM will be provided – it will contain additional redlined measures and new measures proposed for inclusion.

Presented below are two summary tables. The first provides the measures found in this first submitted group with a brief description of what has changed, whether it is being considered an errata, and a link to the corresponding SharePoint Tracker Item(s).

| **Measure # and Name** | | **Errata?** | **Brief description of what changed** | **Tracker Item(s)** |
| --- | --- | --- | --- | --- |
| 4.2.4 | Conveyor Oven | N | Update to deemed gas savings | [Update to deemed savings for Large Commercial Conveyor Oven](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=397&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.2.6 | ENERGY STAR Dishwasher | N | Addition of CF to peak demand algorithm | [Update Dishwasher demand calc](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=409&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.2.11 | High Efficiency Pre-Rinse Spray Valve | N | Clarification of direct install costs being full installation cost (including labor) | [Review of DI v TOS cost assumptions](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=367&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.2.12 | Infrared Charbroiler | N | Change to algorithm methodology.  Revised source for costs and loadshape. | [Update deemed values from Nicor 2011-2014 for Commercial Kitchen Items](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=396&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.2.13 | Infrared Rotisserie Oven | N | Change to algorithm methodology.  Revised source for costs and loadshape. |
| 4.2.14 | Infrared Salamander Broiler | N | Change to algorithm methodology.  Revised source for costs and loadshape. |
| 4.2.15 | Infrared Upright Broiler | N | Change to algorithm methodology.  Revised source for costs and loadshape. |
| 4.2.16 | Kitchen Demand Ventilation Controls | Y | Fixed cost and savings assumptions to be per HP of fan, not just per fan. | [Possible error in gas savings of Kitchen Demand Ventilation Controls](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=426&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.2.17 | Pasta Cooker | N | Revised source for costs and loadshape. | [Update deemed values from Nicor 2011-2014 for Commercial Kitchen Items](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=396&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.2.18 | Rack Oven – Double Oven | N | Change to algorithm methodology.  Revised source for costs and loadshape. | [Update deemed values from Nicor 2011-2014 for Commercial Kitchen Items](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=396&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.3.2 | Low Flow Faucet Aerators | N | Clarification of direct install costs being full installation cost (including labor) | [Review of DI v TOS cost assumptions](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=367&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.3.3 | Low Flow Showerheads | N | Clarification of direct install costs being full installation cost (including labor) | [Review of DI v TOS cost assumptions](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=367&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.3.8 | Controls for Central Domestic Hot Water | N | Updated cost assumption.  Added loadshape.  Updated deemed kWh assumption.  Replaced deemed gas with algorithm methodology with defaults.  Added distinction of defaults for dormitories v multi-family buildings. | [Controls for Central Domestic Hot Water](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=395&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.4 | HVAC End Use | N | Decision 08/24 not to add new or split existing building types.  Added language to allow custom entry for installation within a building or application that does not fit with any of the defined building types. | [Modeling - Add additional building types and review EFLH](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=384&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.4.9 | Heat Pump Systems | N | Update to GSHP measure life assumption | [Commercial GSHP measure life assumption](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=365&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.4.15 | Single-Package and Split System Unitary Air Conditioners | N | Addition of Early Replacement requirements and assumptions.  Update of measure costs.  Update of efficiency rating (EER to IEER) for units greater than 65 kBtu/hr | [Single-Package and Split System Unitary Air Conditioners Early Replacement](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=421&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.4.17 | Variable Speed Drives for HVAC Pumps and Cooling Tower Fans | N | Clarity of measure applicability.  Removal of 4 fan applications and addition of Cooling Tower Fan assumptions. | [Update to Variable Speed Drives for HVAC Pumps and Cooling Tower Fans](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=381&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.4.35 | Economizer Repair and Optimization | Y | Fixing alignment of algorithms to building types.  Clarity on applicability of algorithms. | [ERRATA\_HVAC Economizer Optimization](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=428&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425)  [Review OA Flow Rates for Economizer](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=385&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.5 | Lighting End Use Table | N | Decision 08/24 not to add new or split existing building types.  Added language to allow custom entry for installation within a building or application that does not fit with any of the defined building types.  Addition of method to estimate exterior hours based on business operating hours. | [Modeling - Add additional building types and review EFLH](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=384&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425)  [Commercial Lighting Hours of Usage - Exterior Business Hours](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=417&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.5.3 | High Performance and Reduced Wattage T8 Fixtures and Lamps | Y | Fixing multiple fixture wattage assumptions. | [Review of Lighting 4.5.3](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=399&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.5.12 | T5 Fixtures and Lamps | N | Update of wattage assumption for 4 and 6 lamp T5 High-Bays | [Default Fixture Wattage Reference Table](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=345&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.6.4 | Electronically Commutated Motors (ECM) for Walk-in and Reach-in Coolers / Freezers | N | Updated source of savings assumptions.  Removal of restriction to combine ECM with Fan Control measures. | [Measures 4.6.4 ECM for coolers/freezers and 4.6.6 Evaporator Fan Controls should be revised](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=368&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.6.6 | Evaporator Fan Control for Electrically Commutated Motors | N | Updated source of savings assumptions.  Limited application to Fan Controls on *ECM* motors to allow savings to be claimed for both 4.6.4 and 4.6.6. | [Measures 4.6.4 ECM for coolers/freezers and 4.6.6 Evaporator Fan Controls should be revised](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=368&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 4.6.7 | Strip Curtain for Walk in Coolers and Freezers | N | Update savings to be based upon square footage of cooler / freezer.  Update of efficient equipment definition.  Update to lifetime assumption.  Update of cost to be per sq ft of door opening. | [Strip Curtain for Walk-in Coolers and Freezers edits](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=364&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 5.2.1 | Advanced Power Strip Tier 1 | N | Update to lifetime.  Update to cost assumption.  Addition of Efficiency Kit assumptions.  Addition of unknown # of plug assumptions. | [Update Residential 5.2.1 Advanced Power Strips - Tier 1](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=373&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 5.2.2 | Tier 2 Advanced Power Strip | N | Decision on 08/30 – no Errata change.  Update to Baseline AV Energy assumption and resulting savings values.  Removal of In Service Rate as single assumption in TRM to be additional vendor specific assumption in Classification document. | [Tier 2 Advanced Power Strips - errata for TRM Vol. 2 Ver. 5](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=427&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| Attachment | Advanced Power Strip Tier 2 Product Classification | N | Addition of product specific In Service Rate assumption. | None |
| 5.3.8 | Ground Source Heat Pump | N | Correction of typos in natural gas algorithms | None |
| 5.3.12 | Ductless Heat Pumps | N | Allowance of whole house application.  Addition of TOS, NC and Early Replacement applications.  Addition of fuel switch algorithms and 'Cost effectiveness screening and load reduction forecasting when fuel switching’ section.  Proposed CF based on whole house v zonal application. | [Expand Ductless Mini-Splits to apply to Whole House HVAC Applications](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=419&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 5.4.4 | Low Flow Faucet Aerators | N | Clarification of direct install costs being full installation cost (including labor) | [Review of DI v TOS cost assumptions](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=367&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| 5.4.5 | Low Flow Showerheads | N |
| 5.4.8 | Thermostatic Restrictor Shower Valve | N |

The next table provides a list of those tracker items still pending with progress made to date and those requests that have not resulted in a change.

|  |  |
| --- | --- |
| **Tracker Items:** | **Comments** |
| [Lighting - Incorporate evaluation research results for ISR, Res/Non-Res split, leakage and NTG](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=377&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | VEIC are awaiting the PY8 evaluation results in order to update the ISR, Res/non-res split, leakage etc.  We will provide edits for all these tracker items that relate to the CFL and LED lamp measures in the next deliverable. |
| [LED Cost review](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=369&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Lighting O&M should provide TRM year +3](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=370&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Include Early Replacement Application for Residential Lighting](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=420&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [ISR in examples - 5.5.1 and 5.5.8](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=374&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Review of lighting baselines](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=371&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | This issue was discussed on 08/30 with a determination that current assumptions are ok and no further action required. |
| [Review proposed 2020 lighting standards](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=366&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | This issue was discussed on 08/30 with a determination that we will await the final standard before making any changes, though programs should plan accordingly. |
| [Cross Cutting Measure - 6.6.1 Adjustments to Behavioral Savings to Account for Persistence](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=375&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | A subcommittee call was held on 09/06.  Identified a need to understand the magnitude of weather effects on savings. Assessment of level of effort required to evaluate over multiple years.  Next call – Wed. 9/21 3:00 (CDT) |
| [Update to 5.3.16, Advanced thermostat](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=376&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | A subcommittee call was held on 09/12.  Discussion on proposal to update cooling savings assumption from 8.0% to 4.8%.  VEIC will schedule additional time to discuss and see if consensus can be reached. |
| [Update to Air-Conditioner Tune-Up](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=379&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Discussions and analysis ongoing as to deemed savings assumption and threshold for requiring test in/out. Continued discussion at 09/27 TAC meeting. |
| [Review of Res Furnace baseline](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=372&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Discussions and data collection ongoing. Potential to purchase HVAC sales data from D&R International. Continued discussion at 09/27 TAC meeting. |
| [Update incremental measure costs - ASHP, CAC, ductless mini-splits](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=323&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Final results are expected toward the end of September. Discussion with TAC will follow receipt and determine if changes are to be made. |
| [Update to Residential Furnace Incremental Cost](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=398&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Final results are expected toward the end of September. Discussion with TAC will follow receipt and determine if changes are to be made. |
| [Review FLH for weatherized multifamily buildings in ASHP measure](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=403&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Determined during TAC call that analysis is ongoing and this may lead to an errata during a future update cycle. No further action in this cycle. |
| [Update aerator/showerhead household assumptions](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=383&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Data/analysis not ready in time for this update. Decision to move to v7.0 update. No further action in this cycle. |
| [Update to Policy for Handling Business Closure](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=431&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Tracker item came in late so will only be reviewed if time allows and TAC approves. Notes from last time indicate that this issue needed to be reviewed through the Policy Manual discussions. If this has not yet occurred and agreements reached then we will put this on hold until that has taken place. |
| [Missing and Broken Links in TRM Sections](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=310&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Ongoing improvements. Direct linking possible if/when moving to web-based database. |
| [Standardization of Algorithm Terms](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=335&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Ongoing improvements. Propose making part of the reliability review process and would also be easier if/when moving to web-based database. |
| [Improving TRM documentation, quality, transparency, and replicability](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=358&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | Ongoing improvements. |
|  | |
| [New Measure - Residential high efficiency pool pumps](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=415&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | New measures for review and discussion in next 7 weeks and delivery on 11/9.  Note deadline for submittal of Stakeholder Workpapers is 10/1. |
| [New Measure - Residential ENERGY STAR water coolers](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=416&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New measure - High speed doors for refrigerated spaces](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=424&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - LED Open Signs](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=425&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Add new economizer measure](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=378&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - Shower Timer](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=382&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Update to Policy for Handling Business Closure](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=431&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure High Speed Clothes Washer](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=402&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure Commercial Advanced Power Strips](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=404&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Multifamily roof cavity air sealing and insulation](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=405&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure Request - Verified Quality Install for Furnaces](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=388&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure Request - Verified Quality Maintenance for Furnaces](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=389&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure Request - Direct Fired Space Heaters](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=390&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure Request - Domestic Hot Water Boiler Tune Up](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=392&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure Request - Insulation Jacket for AC Unit](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=393&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - C/I Ductless Heat Pump](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=407&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - High Efficiency Grain Dryers](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=408&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - High Efficiency Battery Chargers](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=410&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - High Efficiency Transformer](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=411&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - Energy Star Computers](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=412&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - Timer Switches](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=413&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [Add Synchronous Belts to Notched V-belt measure](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=414&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New Measure - Q-Sync Motors](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=406&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |
| [New measure request for Tier 1 commercial Advanced Power Strip](http://portal.veic.org/projects/illinoistrm/_layouts/listform.aspx?PageType=4&ListId=%7b79849E28-9AFD-4B3C-853F-E5AB4C6EFFDC%7d&ID=308&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |