Memorandum

To: IL TRM Technical Advisory Committee

**FROM:** KEITH CRONIN, PROJECT LEAD and SAM DENT, TECHNICAL LEAD - VEIC

subject: IL TRM Version 14.0 Draft 1 - Summary

date: 06/20/2025

**Cc:** CELIA JOHNSON, SAG

VEIC has submitted the first full draft of the version 14.0 Illinois TRM to the Technical Advisory Committee and uploaded to SharePoint. This draft includes both proposed redline changes to existing measures and new measures (also in redline) proposed to be included for the first time in this version. Changes have been made to all four volumes:

* IL-TRM\_Effective\_010126\_v14.0\_Vol\_1\_Overview\_06202025\_DRAFT
* IL-TRM\_Effective\_010126\_v14.0\_Vol\_2\_C\_and\_I\_06202025\_DRAFT
* IL-TRM\_Effective\_010126\_v14.0\_Vol\_3\_Res\_06202025\_DRAFT
* IL-TRM\_Effective\_010126\_v14.0\_Vol\_4\_X-Cutting\_Measures\_and\_Attach\_06202025\_DRAFT

VEIC have also provided on SharePoint:

* A draft errata memo documenting both approved and new changes to Version 13.0, effective 1/1/2025.

Presented below are two summary tables. The first provides the measures that have been edited or added, 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). The second 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.

| **Measure # and Name** | | **Errata?** | **Brief description of what changed** | **Tracker Item(s)** |
| --- | --- | --- | --- | --- |
| **Volume 1 – Overview and User Guide** | | | | |
| 3.11 | Discount Rates, Inflation Rates, and O&M Costs | N | Update to the current TRM discount rates (approved last year). Note that future costs have been updated to use the new inflation rates. This will likely be updated in a later version when HVAC cost assumptions are finalized. | N/A |
| 3.7 | Electrical Loadshapes (kWh) | N | Two new loadshapes have been proposed – R20 Residential Solar and C69 Commercial Solar. These will be added pending approval of the inclusion of “Solar as Energy Efficiency” as a measure. | N/A |
| **Volume 2 – Commercial and Industrial Measures** | | | | |
| 4.1.1 | Engine Block Timer for Agricultural Equipment | N | Measure cost update. | [4.1.1 - Cost Update Request](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1150) |
| 4.1.11 | Commercial LED Grow Lights | N | Reliability Review.  Updated DLC Horticultural Specifications to v4.0. | N/A |
| 4.1.19 | ENERGY STAR Dairy Water Heater | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.1.21 | Indoor Agriculture Dehumidifier | N | New measure | [Indoor Agriculture Dehumidifier](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1195) |
| 4.2.1  4.2.2  4.2.3  4.2.5 | Combination Oven  Commercial Solid and Glass Door Refrigerators & Freezers  Commercial Steam Cooker  ENERGY STAR Convection Oven | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.2.6 | ENERGY STAR Dishwasher | N | Reliability Review.  Addition of language on possible ENERGY STAR retirement.  Updated measure cost, ENERGY STAR Calculator inputs and resultant savings. | N/A |
| 4.2.7 | ENERGY STAR Fryer | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.2.8 | ENERGY STAR Griddle | N | Addition of language on possible ENERGY STAR retirement.  Update to calculation of dual fuel systems. | N/A |
| 4.2.9 | ENERGY STAR Hot Food Holding Cabinets | N | Reliability Review.  Addition of language on possible ENERGY STAR retirement.  Updated days variable to consistent 365.25 | N/A |
| 4.2.10 | Ice Maker | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.2.11 | High Efficiency Pre-Rinse Spray Valve | N | Reliability Review.  Updated measure cost. | N/A |
| 4.2.21 | On-Demand Package Sealers | N | Reliability Review.  Updated measure cost. | N/A |
| 4.2.22 | Automatic Conveyor Broiler | N | Reliability Review.  Updated measure cost. | N/A |
| 4.2.25 | Efficient Cooktops | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.3.2 | Low flow Faucet Aerators | N | Reliability Review.  No updates recommended. | N/A |
| 4.3.6 | Ozone Laundry | N | Reliability Review.  No updates recommended. | N/A |
| 4.3.8 | Controls for Central Domestic Hot Water | N | Moving defined variables in to correct section. | [Controls for Central Domestic Hot Water](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1200) |
| 4.4.9 | Air and Water Source Heat Pump System | N | Update to future avoided replacement costs based on 2026 inflation rate. | N/A |
| 4.4.3 | Process Boiler Tune-Up | N | Reliability Review.  No updates recommended. | N/A |
| 4.4.7 | ENERGY STAR and CEE Tier 2 Room Air Conditioner | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.4.8 | Guest Room Energy Management (PTAC & PTHP) | N | Reliability Review.  No updates recommended. | N/A |
| 4.4.11 | High Efficiency Furnace | N | Update to future avoided replacement costs based on 2026 inflation rate. | N/A |
| 4.4.13 | Package Terminal Air Conditioner (PTAC) and Package Terminal Heat Pump (PTHP) | N | Update to future avoided replacement costs based on 2026 inflation rate.  Update to loadshape and coincidence factors to reflect common application in hotel guest or multi family rooms.  Update to EERexist value due to likely code level at time of purchase. | N/A  [Coincidence Factor Update](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1172)  [Package Terminal Air Conditioner (PTAC) and Package Terminal Heat Pump (PTHP)](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1196) |
| 4.4.15 | Single-Package and Split System Unitary Air Conditioners | Y | Reliability Review.  Corrected SEER2 value and compliance date from Code of Federal Regulations for split systems <65,000 Btu/h.  Transitioning the SEER/EER metrics for systems <65,000 Btu/h to SEER2/EER2 | [SEER2 Update](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1174) |
| 4.4.21 | Linkage-Less Boiler Controls for Space Heating | N | Re-worked excess air savings factors.  Clarified that 4.4.22 is incremental to 4.4.21. | [4.4.22 C&I Oxygen Trim Controls for Space Heating Boilers](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1145) |
| 4.4.22 | Oxygen Trim Controls for Space Heating Boilers | N | Re-worked excess air savings factors.  Updated measure costs. |
| 4.4.26 | Variable Speed Drives for HVAC Supply and Return Fans | N | Reliability Review.  Updated measure costs. | N/A |
| 4.4.27 | Energy Recovery Ventilator | N | Reliability Review.  Removed "heat pipes" from tables, as they are sensible-only devices | N/A |
| 4.4.29 | Stack Economizer for Boilers Serving Process Loads | N | Reliability Review.  No updates recommended. | N/A |
| 4.4.35 | Economizer Repair and Optimization | N | Reliability Review.  No updates recommended. | N/A |
| 4.4.36 | Multi-Family Space Heating Steam Boiler Averaging Controls | N | Added second equation option to estimate boiler load. | [Boiler Averaging Controls-Alternative Capacity Input](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1157) |
| 4.4.41 | Advanced Rooftop Controls | N | Addition of multi-speed motor. | [Language clarification for 4.4.41 - VFD vs Multi-speed](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1209) |
| 4.4.43 | Packaged RTU Sealing | N | Reliability Review.  Updated measure costs. | N/A |
| 4.4.44 | Commercial Ground Source and Ground Water Source Heat Pump | N | Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate. | N/A |
| 4.4.46 | Server Room Temperature Set Back | N | Reliability Review.  Minor updates. | N/A |
| 4.4.48 | Small Commercial Thermostats | N | Updates to default HSPF2, SEER2, EER2 and AFUE assumptions based upon GDS Baseline Study data. | [Baseline Inconsistencies](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1173)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 4.4.55 | Commercial Gas Heat Pump | N | VEIC recommendation is to remove the Fuel Switch portion of this measure. Now that savings must be evaluated at site, savings would be negative for fuel switching from an electric heat pump to a gas heat pump. We will discuss this proposal in the next phase, but edits and example updated to illustrate this point. | N/A |
| 4.4.56 | Commercial Duct Sealing | N | Reliability Review.  Minor edits. | N/A |
| 4.4.57 | Condensate Recovery System | N | Removed hot water as only steam systems produce condensate.  Example calculation corrected – final result was correct but algorithm was presented incorrectly. | N/A  [4.4.57 - Algorithm Inconsistency](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1149) |
| 4.4.58 | Steam Trap Monitoring System | Y | Correct deemed table results for process heating based on variable inputs provided. | [Align deemed savings with calculated savings using default assumptions](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1222) |
| N | Reliability Review.  Updated footnote.  Clarifications to Sa calculation section headers to clarify that the space heating formula is for systems ≤ 5psig and the process heating formula is for all other systems > 5 psig, including commercial and multifamily LPS.  Addition of High Pressure Steam category.  Adjustments to Heat of Vaporization table, average steam trap inlet pressure | N/A  [Align deemed savings with calculated savings using default assumptions](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1222) |
| 4.4.60 | Variable Refrigerant Flow HVAC System | N | Reliability Review.  Incorporated the new efficiency metrics for systems <65,000 Btu/h, SEER2/EER2/HSPF2 | N/A |
| 4.4.61 | Chiller Condenser Water Temperature Reset | N | Reliability Review.  Propose consideration to making measure more prescriptive based on program data. No changes at this time. | N/A |
| 4.4.67 | CRAC/CRAH Electronically Commutated Plug Fans | N | New measure | [Computer Room Air Handler Motor Efficiency](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1198) |
| 4.4.68 | Turbulators | N | New measure | [Add measure for turbulators for HVAC Boilers](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1167) |
| 4.4.69 | Waterless HVAC Condensate Trap | N | New measure | [Commercial RTU HVAC Air Traps](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1180) |
| 4.5.2 | ~~Fluorescent~~ Linear Delamping | N | Reliability Review.  Renamed measure. Removed restriction to only allow T12 and T8 fluorescent lamp delamping.  Updated baseline mix based on GDS Nonresidential Baseline Study.  Default T5 and LED wattages added. | N/A  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 4.5.3 | High Performance and Reduced Wattage T8 Fixtures and Lamps | N | Reliability Review.  Measure retired. | N/A |
| 4.5.4 | LED Bulbs and Fixtures | N | Addition of language on possible ENERGY STAR retirement.  Clarifications to lifetime section. | N/A  [EUL Clarification](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1176) |
| 4.5.6 | LED Traffic and Pedestrian Signals | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.5.8 | Miscellaneous Commercial/ Industrial Lighting | N | Reliability Review.  No updates recommended. | N/A |
| 4.5.9 | Multi-Level Lighting Switch | N | Reliability Review.  Updated measure cost.  CF calculation updated to be consistent with Occupancy Controls. | N/A |
| 4.5.10 | Lighting Controls | N | Reliability Review.  No updates recommended. | N/A |
| 4.5.11 | Solar Light Tubes | N | Reliability Review.  CF calculation updated to be consistent with Occupancy Controls. | N/A |
| 4.5.12 | T5 Fixtures and Lamps | N | Reliability Review.  Measure retired. | N/A |
| 4.5.15 | LED Open Sign | N | Reliability Review.  Removed 20% eligibility criteria.  Updated default savings based on current hour assumptions.  Added ΔkWhheatpenalty for buildings with a heat pump. | N/A |
| 4.5.17 | Exterior Photocell Repair | N | Reliability Review.  No updates recommended. | N/A |
| 4.5.18 | Ultra-Efficient LED Lighting | N | Reliability Review.  No updates recommended. | N/A |
| 4.6.2 | Beverage and Snack Machine Controls | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.6.5 | ENERGY STAR Refrigerated Beverage Vending Machine | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.6.10 | High Speed Rollup Doors | N | Reliability Review.  No updates recommended. | N/A |
| 4.6.11 | Q-Sync Motors for Walk-in and Reach-in Coolers/Freezers | N | Reliability Review.  No updates recommended. | N/A |
| 4.6.13 | Add Doors to Open Refrigerated Display Cases | N | Reliability Review.  No updates recommended. | N/A |
| 4.6.14 | Floating Head Pressure Control | N | Reliability Review.  Measure cost updated. | N/A |
| 4.7.13 | Compressed Air Leak Repair | N | Addition of methodology for estimating CFM leakage based on ultrasonic leak detection decibel readings.  Fixed and updated example calculation. | N/A  [Compressed Air Leak Repair - Clarify Calc Input](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1164) |
| 4.8.2 | Spring-Loaded Garage Door Hinge | N | Added algorithm and resulting savings outputs for electric heating (heat pump and resistance).  Fix to some EFLH assumptions and savings outputs for gas savings. | [4.8.2 Spring-Loaded Garage Door Hinge - Add Electric Heat Option](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1161)  N/A |
| 4.8.5 | High Speed Overhead Doors | N | Reliability Review.  No updates recommended. | N/A |
| 4.8.6 | Dock Door Seals and Shelter | N | Reliability Review.  No updates recommended. | N/A |
| 4.8.9 | Efficient Windows | N | New measure | [Window Replacement](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1208) |
| 4.9.2 | Computer Power Management Software | N | Reliability Review.  No updates recommended. | N/A |
| 4.9.5 | ENERGY STAR Computers | N | Reliability Review.  Addition of language on possible ENERGY STAR retirement.  Update to ENERGY STAR specification Version 9.0 and resultant default savings. | N/A |
| 4.9.6 | Advanced Power Strip – Tier 1 Commercial | N | Added clarification that midstream should use same ISR as kit programs.  Update to assumption of office open hours to be consistent with Smart Socket measure. | [Midstream ISR Value Clarification](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1175)  [Possible inconsistency across the Commercial APS (4.8.7) and Smart Socket (4.8.22) measures.](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1170) |
| 4.9.7 | High Efficiency Transformer | N | Reliability Review.  Updated load factor and source, previous value applied only to utility transformers. New Federal Standard coming in 2029 so review deadline set accordingly. | N/A |
| 4.9.12 | Low Flow Toilets and Urinals | N | Reliability Review.  No updates recommended. | N/A |
| 4.9.15 | ENERGY STAR Low Wattage Uninterruptible Power Supply | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 4.9.23 | Energy Efficient Hand Dryers | N | Reliability Review.  No updates recommended. | N/A |
| 4.9.25 | Virtual Commissioning (VCx) | N | New measure | [Virtual Commissioning Measure Addition](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1155) |
| 4.9.26 | Solar as Energy Efficiency | N | New measure  Note: The inclusion of this measure in v14 of the IL TRM is dependent on the determination of its appropriateness by the IL SAG.  It is provided here for ongoing technical review while the policy decision is reached. | [Solar as Energy Efficiency](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1190) |
| **Volume 3 – Residential Measures** | | | | |
| 5.1.1 | ENERGY STAR Air Purifier/Cleaner | N | Addition of language on possible ENERGY STAR retirement.  Update to ENERGY STAR Version 3.0.  Update to measure costs.  Update to Hours assumption. | N/A  [Update 5.1.1 ENERGY STAR Air Purifier/Cleaner with final specification](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1221)  [Update to Air Purifier Hours and ISR](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1177) |
| 5.1.2 | ENERGY STAR Clothes Washer | N | Addition of language on possible ENERGY STAR retirement.  Update to %Electric\_Dryer assumption based on GDS Baseline Study and recalculation of all deemed savings. | N/A  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.1.3 | ENERGY STAR Dehumidifier | N | Addition of language on possible ENERGY STAR retirement.  Update to ENERGY STAR specification v6.0 effective 10/01/2025, and resulting deemed savings results. | N/A  [Update 5.1.3 ENERGY STAR Dehumidifier with final specification update](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1212) |
| 5.1.4 | ENERGY STAR Dishwasher | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 5.1.5 | ENERGY STAR Freezer | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 5.1.6 | ENERGY STAR, CEE Tier 2 or CEE Tier 3 Refrigerator | N | Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate. | N/A |
| 5.1.7 | ENERGY STAR and CEE Tier 2 Room Air Conditioner |  | Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate.  Reorganization of how non-IQ v IQ assumptions are presented.  Update to CEERexist assumptions. The existing assumption was from a 2005 study on Room AC recycling program so is a 20-year-old study of units that are old – and therefore being recycled). Updated to reflect Federal Standard prior to 2014 for IQ participants and 6/2014 – 5/2026 for non-IQ participants. Note GDS baseline study data supports these higher assumptions. This update has been applied throughout.  Added note referring user to measure 5.3.1 Air Source Heat Pump measure for Room AC/Portable HPs. | N/A  [Room AC - Add Heating Savings for Reverse Cycle Models](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1169) |
| 5.1.9 | Room Air Conditioner Recycling | N | Reliability Review.  Addition of separate assumptions for IQ Room AC units recycled reflecting usage assumptions consistent with the Room AC measure.  Update to CEERexist assumptions. | N/A |
| 5.1.10 | ENERGY STAR Clothes Dryer | N | Addition of language on possible ENERGY STAR retirement.  Clarification to use Actual CEFeff if unknown.  Fix to variable name in demand savings algorithm | N/A  [Clothes Dryer](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1194)  [Peak Demand Savings Calculations for Heat Pump Clothes Dryers in Fuel Switching Situations](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1153) |
| 5.1.11 | ENERGY STAR Water Coolers | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 5.1.12 | Ozone Laundry | N | Reliability Review.  No updates recommended. | N/A |
| 5.1.14 | Residential Induction Cooking Appliances | N | Update to measure to apply prescriptive consumption values.  Update measure costs.  %cooling assumptions provided by market type based on GDS baseline study. Note we plan on developing a Unknown category once we have appropriate weightings. | [Res Induction Cooking Appliances](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1192)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.1.17 | ENERGY STAR All-in-One Clothes Washer-Dryer | N | Addition of language on possible ENERGY STAR retirement.  Fixing term names in SiteEnergySavings and ElectricConsumption algorithms. | N/A  [All-In-One Washer/Dryer](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1193) |
| 5.1.18 | Residential Refrigerator Seal Replacement – Provisional Measure | N | New measure.  VEIC propose making a Provisional Measure as the savings methodology is based upon commercial units and resultant example calculation appears high. A simple metering evaluation would sure up the savings for this measure. | [Add Residential Refrigerator Seal Replacement Measure](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1163) |
| 5.2.3 | ENERGY STAR Televisions | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 5.2.4 | Smart Sockets | N | Reliability review.  Updated measure cost | N/A |
| 5.3.1 | Centrally Ducted Air Source Heat Pump (Central, Ductless and Portable) | N | Addition of language relating to full v partial displacement assumptions when program takes measures to ensure full displacement.  Clarification that resistance heat is both baseboard and electric furnace.  Addition of Electric Furnace Fan Savings calculation when appropriate.  Update to future avoided replacement costs based on 2026 inflation rate. Note – HVAC costs are being reviewed and will likely be updated in next draft.  Update to Room AC existing efficiency assumptions.  Update to EER2\_ee assumption to meet ENERGY STAR specification v6.2. | [Partial Displacement HeatPumps](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1191)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  N/A  [Review and potentially update ESTAR default assumptions for EER2 in ASHP and CAC measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1216) |
| 5.3.3 | Central Air Conditioning | N | Replacing efficient specifications from ENERGY STAR (which is being sunset in February 2026) with the Consortium for Energy Efficiency (CEE).  Update to capacity assumptions now by market sector, based on GDS Baseline Study.  Update to mobile home Room AC baseline efficiency assumptions. | [Discuss shifting specification from ENERGY STAR to CEE for 5.3.3. Central Air Conditioning](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1213)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  N/A |
| 5.3.4 | Duct Insulation and Sealing | N | Addition of savings for electric furnaces.  Addition of Electric Furnace Fan Savings calculation when appropriate.  Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study. | [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.3.6 | Gas High Efficiency Boiler | N | Reliability Review.  Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate. Note – HVAC costs are being reviewed and will likely be updated in next draft. | N/A |
| 5.3.7 | Gas High Efficiency Furnace | N | Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate. Note – HVAC costs are being reviewed and will likely be updated in next draft.  Update to deemed capacity based on GDS Baseline study. | N/A  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.3.8 | Ground Source Heat Pump | N | Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate. Note – HVAC costs are being reviewed and will likely be updated in next draft.  Terminology made consistent with ASHP measure.  Addition of Electric Furnace Fan Savings calculation when appropriate. | N/A  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158) |
| 5.3.9 | High Efficiency Bathroom Exhaust or Radon Mitigation Fan | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 5.3.10 | HVAC Tune Up (Central Air Conditioning) | N | Update to future avoided replacement costs based on 2026 inflation rate. | N/A |
| 5.3.11 | Programmable Thermostats | N | Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.3.13 | Residential Furnace Tune-Up | N | Reliability Review.  No updates recommended. | N/A |
| 5.3.15 | ENERGY STAR Ceiling Fan | N | Reliability Review.  Addition of language on possible ENERGY STAR retirement.  Updates to fan assumption based on ENERGY STAR QPL. Update assumption to 100% LED lamps. | N/A |
| 5.3.16 | Advanced Thermostats | N | Clarification that resistance heat is both baseboard and electric furnace.  Update to Heating\_Reduction assumption when existing thermostat is unknown – applying weighting of manual and programmable thermostats. New values provided by market sector based on GDS Baseline Study. | N/A  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.3.17 | Gas High Efficiency Combination Boiler | N | Reliability Review.  No updates recommended. | N/A |
| 5.3.20 | Residential Energy Recovery Ventilator (ERV) | N | Clarification that resistance heat is both baseboard and electric furnace.  Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study. | N/A  [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.3.21 | Air Handler Filter Cleaning/ Replacement | N | Reliability Review.  Updated EFLHs to match other measures. Updated to %FossilHeat to match other measures. | N/A |
| 5.3.22 | High Efficiency Kitchen Exhaust Fans | N | Addition of language on possible ENERGY STAR retirement. | N/A |
| 5.3.23 | Gas Heat Pump | N | New measure.  VEIC recommendation is to remove the Fuel Switch portion of this measure. Now that savings must be evaluated at site, savings would be negative for fuel switching from an electric heat pump to a gas heat pump. We will discuss this proposal in the next phase. | [Residential Gas Heat Pump](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1178) |
| 5.4.2 | Gas Water Heater | N | Addition of language on possible ENERGY STAR retirement.  Update to future avoided replacement costs based on 2026 inflation rate. | N/A |
| 5.4.3 | Heat Pump Water Heaters | N | Addition of language on possible ENERGY STAR retirement.  Update to measure costs.  Addition of algorithm for ThermsHeatImpact | N/A  [Update HPWH Incremental Costs](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1206)  [Heat Pump Water Heater - Clarifications](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1197) |
| 5.4.7 | Water Heater Wrap | N | Reliability Review.  Minor updates. | N/A |
| 5.4.9 | Shower Timer | N | Reliability Review.  No updates recommended. | N/A |
| 5.4.11 | Drain Water Heat Recovery | N | Reliability Review.  Minor updates. | N/A |
| 5.4.13 | Auto-Diverting Tub Spout System | N | Updated measure description, efficient, and baseline conditions to allow measure to apply to tubs without showerheads.  Added secondary equation to calculate savings for tub-only systems. | [5.4.13 Auto Diverting Tub Spout - Wording Edits](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1159) |
| 5.4.14 | Residential Solar Water Heater | N | New measure.  Note: The inclusion of this measure in v14 of the IL TRM is dependent on the determination of its appropriateness by the IL SAG.  It is provided here for ongoing technical review while the policy decision is reached. |  |
| 5.5.6 | LED Specialty Lamps | N | Addition of language on possible ENERGY STAR retirement.  Note pending SAG determination of continuation of screw based lamp programs.  Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.7 | LED Exit Signs | N | Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.8 | LED Screw Based Omnidirectional Bulbs | N | Addition of language on possible ENERGY STAR retirement.  Note pending SAG determination of continuation of screw based lamp programs.  Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.9 | LED Fixtures | N | Addition of language on possible ENERGY STAR retirement.  Note pending SAG determination of continuation of screw based lamp programs.  Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.10 | Holiday String Lighting | N | Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.11 | LED Nightlights | N | Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.12 | Connected LED Lamps | N | Reliability Review.  Update to measure life.  Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.5.13 | EISA Exempt LED Lighting | N | Addition of language on possible ENERGY STAR retirement.  Clarification that resistance heat is both baseboard and electric furnace.  Additional Linear bins added. | N/A  [EISA Exempt Lighting: Linear baselines/categories and garage style lamps](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1165) |
| 5.5.14 | Ultra-Efficient LED Lighting | N | Reliability Review.  Addition of language on possible ENERGY STAR retirement.  Clarification that resistance heat is both baseboard and electric furnace. | N/A |
| 5.6.1 | Air Sealing | N | Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  Clarification of N\_cool for 3+ stories.  Addition of fan savings for electric furnaces.  Update to DUA factor.  Addition of new assumption for savings per linear ft of air sealing for a can of spray foam (2 linear ft/ounce). | [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  Air Sealing - Expand inputs based on # of floors  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204)  [Air Sealing Measure to include Spray Foam Insulation](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1152) |
| 5.6.2 | Basement Sidewall Insulation | N | Clarification of conditioned v unconditioned v semi-conditioned.  CDD/HDD assumptions for semi-conditioned added.  Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  Addition of fan savings for electric furnaces.  Update to DUA factor. | [Define and standardized conditioned, unconditioned, and semi-conditioned spaces](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1171)  [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204) |
| 5.6.3 | Floor Insulation Above Crawlspace |  | Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  New assumptions for R\_old and framing factor for mobile homes added.    Addition of fan savings for electric furnaces.  Update to DUA factor. | [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  [Mobile Home Floor and Attic Insulation Considerations](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1181)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204) |
| 5.6.4 | Wall Insulation | N | Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  Addition of fan savings for electric furnaces.  Update to DUA factor. | [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204) |
| 5.6.5 | Ceiling/Attic Insulation | N | Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  Clarification of conditioned v unconditioned v semi-conditioned.  CDD/HDD assumptions for semi-conditioned added.  Addition of fan savings for electric furnaces.  Update to DUA factor. | [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  [Define and standardized conditioned, unconditioned, and semi-conditioned spaces](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1171)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204) |
| 5.6.5 | Rim/Band Joist Insulation | N | Clarification of conditioned v unconditioned v semi-conditioned.  CDD/HDD assumptions for semi-conditioned added.  Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  Addition of fan savings for electric furnaces.  Update to DUA factor. | [Define and standardized conditioned, unconditioned, and semi-conditioned spaces](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1171)  [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204) |
| 5.6.7 | Low-E Storm Window | N | Addition of language on possible ENERGY STAR retirement | N/A |
| 5.6.8 | High Performance Windows | N | Addition of language on possible ENERGY STAR retirement | N/A |
| 5.6.9 | Insulated Cellular Shades | N | Reliability Review.  Measure life update  Addition of fan savings for electric furnaces. | N/A  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158) |
| 5.6.10 | Multifamily Whole Building Aerosol Sealing | N | Reliability Review.  No updates recommended. | N/A |
| 5.6.11 | Insulated Concrete Forms | N | Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study.  Addition of fan savings for electric furnaces.  Update to DUA factor. | [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210)  [Electric Resistance Furnaces - Claim Fan Savings?](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1158)  [Update to Discretionary Use Adjustment for Residential Air Sealing and Insulation Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1204) |
| 5.6.12 | Energy Efficient Doors | N | New measure | [Energy Efficient Doors](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1166) |
| 5.7.1 | High Efficiency Pool Pumps | N | Addition of language on possible ENERGY STAR retirement | N/A |
| 5.7.3 | Level 2 Electric Vehicle Charger | N | Addition of language on possible ENERGY STAR retirement | N/A |
| 5.7.4 | Heat Pump Swimming Pool Heater | N | Reliability Review.  No updates recommended. | N/A |
| 5.7.5 | Tree Planting | N | Update to multiplier by applying 2026 approved real discount rate.  Addition of savings for room AC cooled homes. Addition of LoadFactor and efficiency.  Unknown efficiency and %cooling assumptions provided by market type based on GDS baseline study. | N/A  [Room AC Cooling for Shell End Use Measures](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1156)  [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) |
| 5.7.6 | Smart Irrigation Controls | N | New measure. | [Residential Irrigation Controller](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1182) |
| 5.7.7 | Light Duty Electric Vehicle | N | New measure.  Note: The inclusion of this measure in v14 of the IL TRM is dependent on the determination of its appropriateness by the IL SAG.  It is provided here for ongoing technical review while the policy decision is reached. | [Electric Vehicles/EV Efficiency](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1187) |
| 5.7.8 | Solar as Energy Efficiency | N | New measure.  Note: The inclusion of this measure in v14 of the IL TRM is dependent on the determination of its appropriateness by the IL SAG.  It is provided here for ongoing technical review while the policy decision is reached. | [Solar as Energy Efficiency](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1190) |
| **Volume 4 – Cross-Cutting Measures and Attachments** | | | | |
|  |  |  | No changes proposed. |  |

The following 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** |
| --- | --- |
| [Review climate data and assumptions](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=939) | Commercial Modeling Working Group have agreed on existing OpenStudio model attributes and the base prototypes for switching the remaining eQuest models to OpenStudio. VEIC are running the models and will coordinate with the working group to calibrate consumption assumptions with COMStock. Once calibrated, our plan is to have the modeling outputs ready for Draft 2. |
| [Review GDS Baseline Study](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1210) | A Baseline Study Working Group has reviewed the available data and discussed applying assumptions where appropriate. Many updates are provided above, however additional updates may be added in future drafts including but not limited to residential heating and DHW fuel mixes. |
| [Review federal energy conservation standards (10 CFR 431) for commercial heat pumps and A/C systems less than 65,000 Btu/h](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1214) | Upon review, confirmed that the code was being utilized correctly. |
| [Combined Heat and Power](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1129) | TAC decided that we should wait a further year before restarting the discussions on this measure. No updates this year. |
| [Air Curtains/Dock Seals - Review Savings](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1144) | Upon review, VEIC believe savings are in line with other sources for air curtain savings. No changes recommended. |
| 4.8.6 Dock Door Seals and Shelter - Add Electric Heat Option | Electric heat options are already provided in the measure. Tracker item withdrawn. |
| [Keep track of ENERGY STAR specification changes](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1211) | VEIC and the TAC continue to monitor potential changes to ENERGY STAR and Federal Standards. Only specification changes that have already been finalized are applied in the measures. Any measure referencing ENERGY STAR has a new footnote added to direct the user in the event of ENERGY STAR being retired to continue, to use the last active specification and QPL for the remainder of the TRM effective period. |
| [Update incremental measure costs - ASHP, CAC, ductless mini-splits](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1183) | Residential HVAC Cost Working Group formed to review available cost data from the programs. Plan to have updated costs determined for Draft 2. |
| [ASHP Costs (Ducted and Ductless)](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1147) |
| [(Residential) screw based LED lamps](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1188) | SAG Policy Group discussions ongoing relating to potential future support of LED Lamps. Plan to have decision reflected in Draft 2. |
| [LED Screw Based Omnidirectional Bulbs](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1186) |
| [Building with on-site generation saves more energy than the net annual energy purchased from the grid](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1151) | SAG Policy Group discussions ongoing relating to this issue. Plan to have decision made by Draft 2, with documentation developed for the TRM Policy Manual. |
| [EUL assumptions for IQ populations](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1128) | No progress on this item. |
| [Use Standard Algebraic Expressions](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1072) | VEIC are updating algorithms in the Word documents to use the formula editor for measures we are working on. This process will take time – and continue through this update cycle and likely multiple future cycles. |
| [Label Equations and Tables](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1071) | No progress on this item. VEIC are reluctant to add additional autoformatting aspects to these very large documents, but will continue to work with the TAC to improve the usability of the documents. |
| [2025 Reliability Reviews](https://portal.veic.org/sites/illinoistrm/Lists/RequestTracker/DispForm.aspx?ID=1223) | VEIC performed a reliability review on 60 measures this year. Many updates are recommended as described above. |
| Add default horsepower for midstream programs to Notched V-Belts | Tracker items not being pursued as per requestor. Some may be revisited for v15. |
| VSD Air Compressor |
| Refrigerators - New DOE TSD available |
| ENERGY STAR Clothes Dryer |
| Modeled Approach to ASHP Savings |
| HVAC Tune-Up Measure Adjust |
| ERV Baseline |
| IQ Behavior program - Enhanced Energy Education |
| Solar Air Heater |
| Coil Coating for Improved Heat Transfer |
| Building Automation System Standard Measure |
| Expand Boiler Chemical Descaling to Include Tube Replacement |
| Cool Roofs |
| Commercial Natural Gas Generator |
| [PROVISIONAL On Demand Package Sealer](https://portal.veic.org/projects/illinoistrm/_layouts/15/listform.aspx?PageType=4&ListId=%7B79849E28%2D9AFD%2D4B3C%2D853F%2DE5AB4C6EFFDC%7D&ID=815&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | No significant uptake of measure or evaluation effort. No updates at this time. |
| [PROVISIONAL Energy efficient hydraulic oils](https://portal.veic.org/projects/illinoistrm/_layouts/15/listform.aspx?PageType=4&ListId=%7B79849E28%2D9AFD%2D4B3C%2D853F%2DE5AB4C6EFFDC%7D&ID=740&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) | No significant uptake of measure or evaluation effort. No updates at this time. |
| [PROVISIONAL Energy Efficient Gear Oils](https://portal.veic.org/projects/illinoistrm/_layouts/15/listform.aspx?PageType=4&ListId=%7B79849E28%2D9AFD%2D4B3C%2D853F%2DE5AB4C6EFFDC%7D&ID=761&ContentTypeID=0x01006E8072940DC21C438869CEF567E36425) |