



VERMONT ENERGY
INVESTMENT CORPORATION

Illinois Statewide Technical Reference Manual Status Update

**Stakeholder Advisory Group Meeting
February 5th, 2013**

Erin Carroll
Vermont Energy Investment Corporation

Agenda

- Process to date; remaining schedule
- Resolved HIM drafts (High Impact Measures) (list)
- Unresolved HIMs – Non-Consensus Items
 - CFL Baseline
 - CFL Carry-Over
- Process for filing TRM Update and addressing consensus/non-consensus items (ICC)
- List of Medium and Low-Priority Measures (list)

- Measure work papers received (most by 1/11)
- High Impact Measures drafts completed and available Friday 2/1
 - Exceptions are CFL lighting (contentious issue), Appliance Recycling (late work paper received 2/2) and Dual Enthalpy Economizers (in progress, draft by 2/8)
- Stakeholder 10-Day Comment Period
- Friday 2/1 – Friday 2/15
- VEIC will complete the TRM update by Friday 3/1 for HIM.
- Including the comments submitted by 2/15.



Resolved HIM

VERMONT ENERGY
INVESTMENT CORPORATION

High Priority - Residential	High Priority - Commercial
<ul style="list-style-type: none">• RES Low Flow Faucet Aerators• Residential Furnace• Air Source Heat Pump• Residential Boiler• Ground Source Heat Pump• Interior CFL fixture• Exterior CFL fixture• Air Sealing• Basement Insulation• Wall/Attic insulation• DHW tank set back• Programmable Thermostats• Specialty CFLs <p>Medium Priority - Residential</p> <ul style="list-style-type: none">• Dehumidifiers	<ul style="list-style-type: none">• Pumps• Pellet Dryers• High Efficiency Boiler• High Efficiency Spray Valve• Boiler Tune up – Process and Space Heating• Strip Curtains for Walk-in Cooler Freezer• Commercial Steam cooker• Steam Trap Replacement or Repair• LED exit signs• PTACs• Radiant Heater Bands• Furnaces• Incremental and O&M cost on tankless water heater• C&I Lighting Factor table• Multi-level lighting• Delamping <p>Medium Priority - Commercial</p> <ul style="list-style-type: none">• Low Flow Faucet Aerators• Showerheads

Unresolved HIMs

- Unresolved HIMs – Non-Consensus Items
 - CFL Baseline
 - CFL Carry-Over
- Process for filing TRM Update and addressing consensus/non-consensus items (ICC)

CFL Carryover Issue

- Itron/ComEd provided a work paper describing 3 methodologies for claiming savings for those bulbs purchased that are not installed until year 2 or year 3.
- Recommendation to apply “Purchase Year” assumptions (delta watts and hours) to future year installs
- ICC argue that baseline spare ‘replacement’ bulbs will be used up before Year 2 and Year 3 and therefore savings should be based on the “Install Year” assumptions. This is how the TRM is currently defined.
- Teleconference call on 1/24 held to discuss.
- VEIC position was in agreement to Itron/ComEd if assumption of purchase patterns similar between CFL and incandescents. Data appears to suggest it is.

CFL Carryover Status



- VEIC offered compromise which is still being considered:
 - In Year 2 use “Purchase year” delta watts, Year 3 use “Install year” delta watts. Hours always to be based on “Install year”.

CFL Baseline Issue



- ICC Position:
 - Believe CFL should become baseline after first phase of EISA (2012-2014). This would end utility support for this measure.
 - “No creditable evidence that EISA-compliant halogens have captured any significant market share”
 - AIC PY4 evaluation showed only 2% stated they would replace 100W incandescent bulbs with EISA qualified/halogens.
 - Also propose that the baseline change occur at the beginning of year rather than the start of the next program year since incentives will only be delaying purchase of the remaining incandescents on the shelves.
- Utility Position
 - Disagree based on position of experts and research into treatment of EISA on baselines in other jurisdictions. (R.Baker - ComEd)

CFL Baseline Status

- VEIC Position
 - Results presented from Ameren evaluation reflect participants far more informed than general population.
 - Most manufacturers utilize incandescent lamps with halogen fill gas to be EISA-compliant. Market confusion predicted by many. EISA-compliant bulbs marketed as “Energy Efficient”, are cheaper and look and feel the same as incandescents and without the same perceived issues as CFLs (mercury, start up times, etc.)
 - Too early to make clear determination of impact - only had one year of EISA in effect and only 100W. Also many 100W incandescents remain on shelves sold since EISA impacts manufacture not sale.
 - Shipment data (NEMA) shows significant increase in EISA compliant sales.
- VEIC Recommendation
 - Recommend using EISA level as baseline and set freerider rate at appropriate level to account for more buying CFLs without program.

Open Measures



Medium/Low - Residential	Medium Priority - Commercial	Low Priority - Commercial
<ul style="list-style-type: none"> • Boiler Pipe Insulation • Boiler Reset Control • ENERGY STAR ceiling fans • Indirect Water Heater • Dual Fuel Heat Pump • Steam balancing Measure 	<ul style="list-style-type: none"> • Furnace Tune Up • Programmable Thermostats • Line Voltage Programmable Thermostats • Boiler Pipe Insulation • Cold Cathode Lighting • Occupancy Sensors for ComEd's C&I Rx Program • Foodservice Conveyor Oven • Finned-Bottom Stock Pot • ENERGY STAR Large Vat Fryer • Pool Covers (gas only) • Commercial pool heater (gas) • VFD for Air Compressors • Variable-Refrigerant Flow HVAC • Server Virtualization • Commercial Heat Pump Water Heater • New measure request for adding doors to refrigerated cases • Ductless heat pump • Light tubes (day lighting) • Compressor Waste Heat Recovery • Miscellaneous Lighting • Compressed Air Nozzles • Low-drop Compressed Air Filters • No-Loss Condensate Drains • Cycling refrigerated compressed air dryer • VSD - Industrial Process fan/pump • Translation of California Climate Zones to Illinois Climate Zones 	<ul style="list-style-type: none"> • Eight foot T12 conversion • Central boiler controls with remote averaging indoor temperature sensors • Night Covers - Refrigerated Display Cases • Demand Controlled Ventilation • Ground Source Heat Pump • Pool Pump VFD • Refrigeration economizers • Stack dampers • Clarify Definition of Fast Food • Consistency of Tables in C&I Measures • Occupied Settings Defined

Timing

Stakeholder Question: What should be timing/process for addressing and resolving Medium and Low Impact Measures?