DEER Requirements for Development of Ex Ante Savings



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Overview





- CPUC Staff Directive to Cal TF
 - Follow DEER requirements in WP development process
- Where are DEER requirements found?
- What are the DEER requirements?
- Next Steps
- Conclusion

DEER Requirements: Where?





- Where are DEER requirements located?
 - Directory of DEER website material created by CPUC Staff
 - DEER website
 - READi tool: database of ex ante values for select measures
 - Various workbooks and tools (cost, EUL, interactive effects, etc.)
 - Workpaper dispositions some posted publicly, some not
 - Ex ante implementation scoring metrics / evaluation criteria for workpaper development
- IOU tech leads often don't know if they have correctly identified applicable DEER requirements in WP development

DEER Requirements: Where?





- Cal TF Staff efforts to memorialize location of DEER requirements
 - Extensively researched and documented locations of DEER requirements and guidance in memorandum
 - Created flow charts to identify what requirements apply to different measures, and in what order
 - Consulted with IOU tech leads and CPUC staff
 - May not have successfully identified all DEER requirements, despite considerable effort
- Conclusion: To confirm whether DEER requirements have been identified, must get CPUC Staff input early in process.

DEER Requirements

DEER Requirements: What?





- Lots of work went into developing DEER values, but limited documentation methods, and assumptions
- DEER values not linked to sources
- Conclusion: Once DEER requirements are identified, need to consult with CPUC Staff early in process to understand how they should be applied and whether there is any other prior work that should be considered.

Next Steps





- Cal TF Staff Coordination
 - Staff has agreed to provide early feedback on DEER requirements and prior DEER work
- 2015
 - Important to document DEER requirements, accepted DEER methods, data, and assumptions, by measure
 - Good work for graduate intern?
 - Considerable level of effort
 - Staff will need to review each section to determine whether information is correctly captured and memorialized

Conclusion





Clear, complete manual of DEER requirements, including accepted sources of data, methods and assumptions, will considerably streamline and improve WP development process.

DEER Requirements 10/16/2014

Appendix: Clothes Washer Example MEF 2.4 (2011 CEE Tier 3)



8

DEER Website

DEER 2014

- Interactive effects factors
- ? EUL for CEE Tiers 1, 2, and 3 (what CEE year?)
- x READi
- x Update
 Documentation

DEER 2011 for 13-14

- ✓ NTG for 10%>ENERGY
 STAR (MEF 2.0)
- ? IMC for CEE Tier 3 (CEE Tier 3 defined as MEF 2.2)
- ? Support document workbook (methodology & relevance unclear)
- x Update Report (NTG only)

DEER 2008 for 09-11

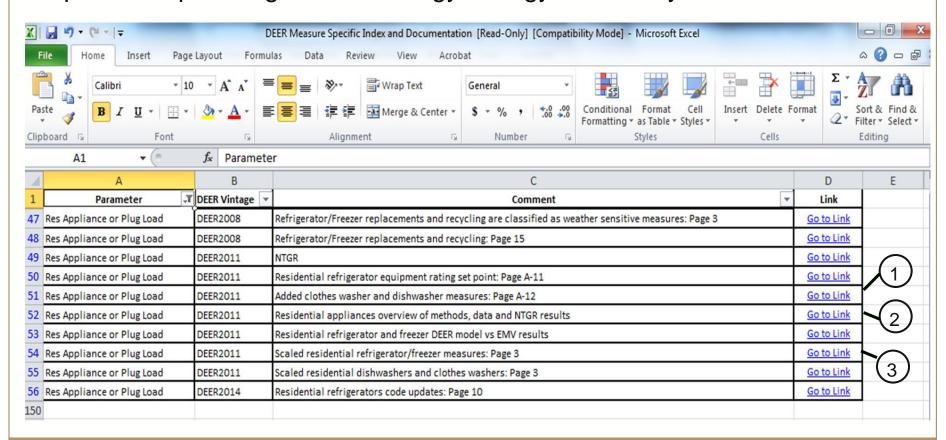
? Summary of Energy Analysis changes from 2005 to 2008 (relevant methodology?)

- Existing clothes washer workpaper: no disposition
- Ex ante scoring metrics: general expectations





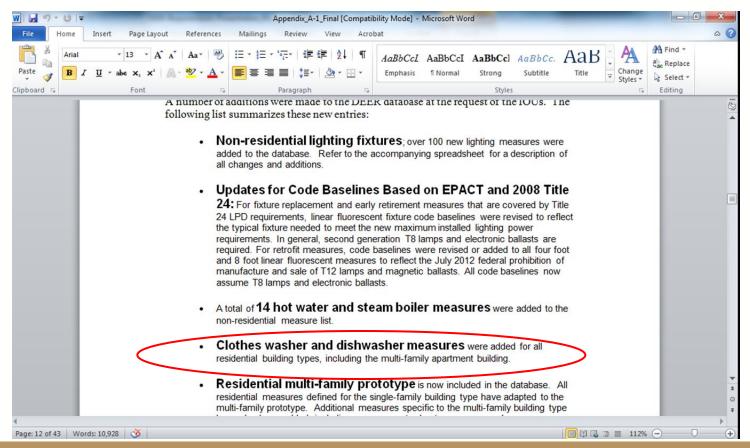
DEER Master Documentation, CPUC Ex Ante Review website http://www.cpuc.ca.gov/PUC/energy/Energy+Efficiency/exantereiew.htm







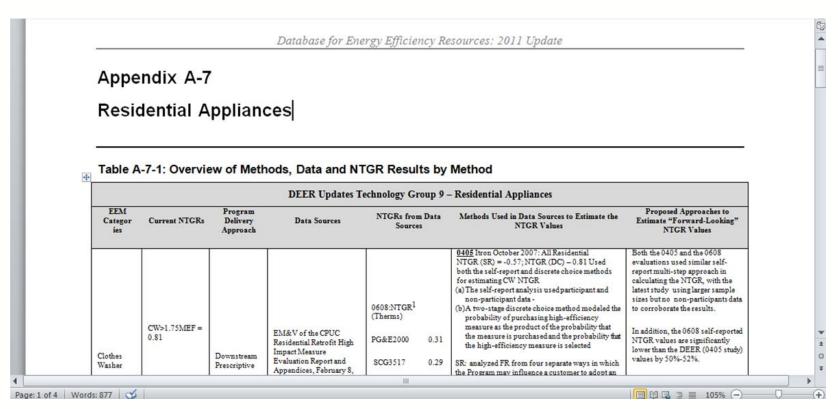
1. "Added clothes washer and dishwasher measures: Page A-12" linked to 2011 DEER Update Documentation, Appendix A-1. Clothes washer measures were added to DEER at one point but have since been removed and are not included in 2011 or 2014 DEER searchable databases.







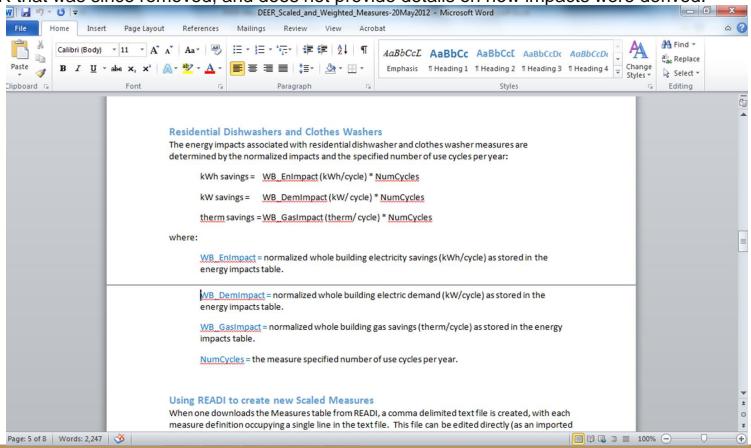
2. "Residential appliances overview of methods, data and NTGR results" linked to 2011 DEER Update Documentation, Appendix A-7. Source is an overview of methods and data for deriving clothes washer NTGR.







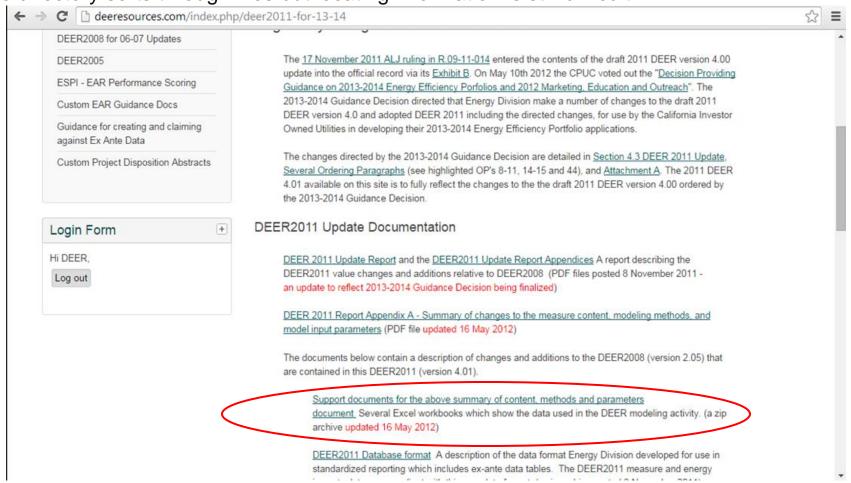
3. "Scaled residential dishwashers and clothes washers: Page 3" linked to a document titled "DEER_Scaled_and_Weighted_Measures-20May2012.doc". This appears to describe the measure in DEER that was since removed, and does not provide details on how impacts were derived.







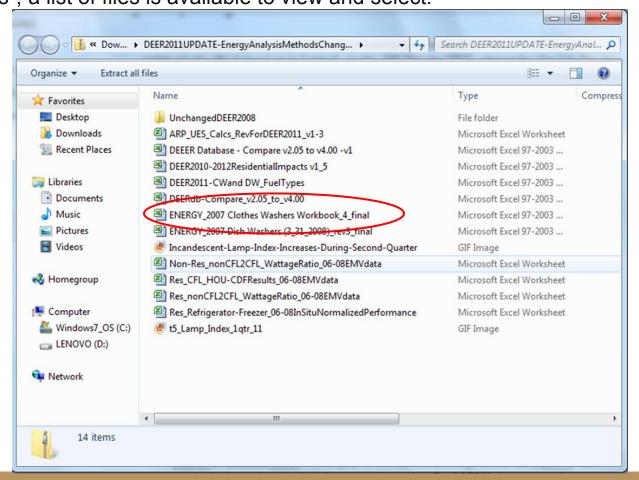
The directory sorts through files but locating information is still difficult.







Clicking on "supporting documents for the above summary of contents, methods, and parameters", a list of files is available to view and select.





15)

The supporting files contain an Excel file titled "ENERGY_2007 Clothes Washers Workbook_4_final.xls" that can also be found in a sub-folder within the Master Documentation files. The methods are not explained an it's unclear how this analysis was used in DEER, or if it is still relevant.

