

eTRM Repository: Functionality and Data Issues



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JANUARY 26, 2017

Overview

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- Desired eTRM Functionality
- Data Specification
 - Considerations
 - Process
 - Data Specification
- Cal TF Feedback Requested

eTRM Repository: Functionality

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- **All Measures are Fully Documented and Reproducible**
 - All measure parameters for a single measure linked
 - Source documents are clearly cited and hosted in the tool, and include links from measures to storage documents including building prototypes (i.e. storable and retrievable)
 - Modeled values are linked to models: Uses DOE's Open Source EnergyPlus
- **Automates Measure Updates when Inputs Change—Weather Files, Code Updates, Etc.**
 - Also, includes clear update and revision histories for each measure
- **Clear and Documented Workflow Management**
 - Identifies who has updated and/or reviewed a measure
- **Generates All Key Outputs**
 - Utility/POU tracking, reporting and cost-effectiveness databases; CPUC reporting and CEC forecasting databases
- **Keyword Searchable**
- **Differential Access:** Permits restricted access to protect confidential information

eTRM Repository: Functionality

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- **Ensure data can be organized and transferred through Secure File Transfer protocol to all databases that will use the data**
- **Ensure EnergyPlus Compatibility**
- **Open Source**
 - Users can creatively connect to and extend functionality of eTRM. Not a “Closed Box”
 - Users can leverage eTRM content for other purposes
- **Cal TF Input: Anything else?**

Data Specification Considerations

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- **Meet Stakeholder Data Requirements**
- **Contain Only Data that is Used and Useful**
- **Ensure Data and Data Formatting Requirements are Clearly Defined**
- **Must Be Accompanied by Data Dictionary**
- **Describe Data Field Relationships**
- **Data QA/QC Rules**

Process for Identifying Data Fields

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- **CEDARS Database (Commission Reporting)**
- **E3 Calculator**
- **BEDES**
- **Missing Fields**
- **CPUC, CEC, IOU, POU and Implementer Data Needs at Measure Development/Characterization Stage**
- **Cal TF Input**: Are there other organizations, tools, databases or other considerations necessary to finalize the data specification?

Data Specification

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- Review 40 proposed fields in current data specification
- **Cal TF Input:** Any fields that should be added or deleted?

Requested Feedback

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- Cal TF Input
 - Any additional features/content
 - Feedback on **Process** for finalizing data specification
 - Feedback on data specification itself
 - Feedback on what systems and tools will need to populate fields in eTRM repository or draw data from eTRM repository
 - How could eTRM repository or content be extended, leveraged or inform other current or future efforts?