DEEMED SAVINGS ENGINE

The EnerTrek® Deemed Savings Engine (DSE) allows utilities to centrally maintain and implement deemed savings, while enforcing installation requirements. The DSE eliminates the need for modifying multiple tracking systems as the Technical Reference Manual evolves, which promotes consistency and accuracy across utility programs.

THE FRONTIER ADVANTAGE

With years of experience developing and applying deemed savings to DSM programs across the nation, Frontier has continually advanced the management and facilitation of deemed savings. Frontier's DSE is a proprietary solution that centrally maintains and administers measure impact calculations and installation requirements based on the latest version of the Technical Reference Manual (TRM). The DSE is currently deployed in three states for use in DSM programs.

ADVANCING THE MANAGEMENT AND FACILITATION OF DEEMED SAVINGS

VERSIONING CAPABILITIES

The DSE automatically archives old deemed savings versions as changes are implemented. This versioning capability is an essential feature that accommodates program year transitions and revisions to the TRM. External systems can specify a savings version input, which indicates to the DSE which deemed savings version to use. If the version is not specified, then the DSE will use the currently active version. The deemed savings versioning capability is an essential feature to facilitate program year transitions and revisions to the TRM.

SCALABLE OUTPUTS

The outputs from the DSE include the deemed savings outputs that result from the algorithms and tables identified in the TRM. Additional DSE outputs can be easily defined to deepen the reporting capabilities. For example, an output could be defined to report the reduction in emissions that are equivalent to the energy savings achieved by the measure. The flexibility of the DSE will allow utility portfolios to seamlessly adapt to new regulatory and reporting requirements.

SEAMLESS INTEGRATION

External Systems can interact with the DSE using a Web Service application programming interface (API). The engine facilitates three primary types of requests from external sources:

1. Get Measure List – The DSE returns a list of active measures contained in the specified deemed savings set.

2. Get Measure Inputs – A specific measure is communicated to the engine from the data source. The DSE returns all required and optional inputs for the specified measure, along with metadata that indicates the type of field, format specifications, data range requirements, and whether or not the field is required. These inputs are configured within the DSE to match the requirements outlined in the TRM.

3. **Get Measure Savings** – The external data source provides the necessary inputs to the DSE for a specified measure. The DSE runs the calculations and validations for the provided inputs and returns a set of outputs, such as kWh savings, as they are outlined within the TRM. The DSE also returns a set of error messages if there is a failed validation.

Learn more about EnerTrek® and how it can simplify your DSM program administration.

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