MCG ENERGY SOLUTIONS, LLC

Software Solutions for Energy

TRANSBILL

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TRANSBILL OVERVIEW

Energy Accounting (EAS)

Power Billing

A flexible platform for performing OATT and grandfathered transmission billing for TransCo, as well as power billing for the GenCo

ISO Transmission Settlements

Helps both transmission customers and transmission owners shadow ISO transmission related charges and revenues

CAISO EIM Entity Settlements

Allows for the shadow calculation and cost allocation of CAISO EIM related charges based on a mix of ISO determinant data and independently sourced data

POWER BILLING

_ **Provides a flexible platform for performing OATT and grandfathered transmission billing for TransCo, as well as power billing for the GenCo**

_ **Eliminates custom interfaces between scheduling, OASIS, and energy accounting systems through its native integration into MCG's core product suite**

_ **Supports user created determinants and calculations of various types to support complex charges**

_ **Allows the building of calculations using various billing methods, arithmetic operators, logical operators, and system functions**

_ **Accommodates multi-customer setup with variable calculations and invoices per customer**

_ **Supports a variety of billing methods, including but not limited to demand charges, rolling demand charges, and hourly charges**
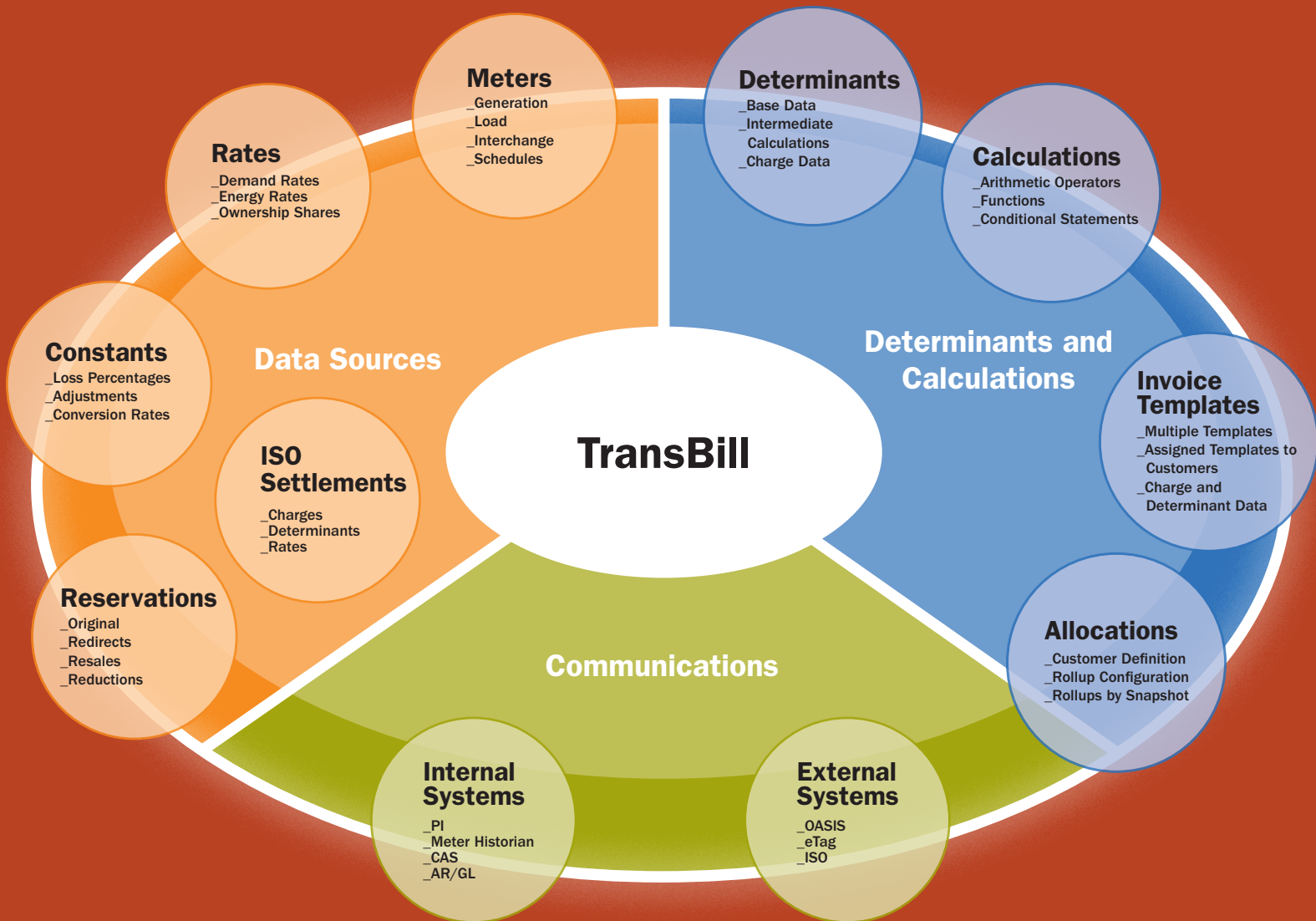
ISO TRANSMISSION SETTLEMENTS

- Helps both transmission customers and transmission owners shadow ISO transmission related charges and revenues

- Provides full integration to MCG's Energy Accounting system, as well as OASIS integration for TSR acquisition

- Pulls ISO transmission charge and determinant settlement data from the market automatically

- Supports multiple settlement revisions, tracking changes over time and recalculating shadow totals based on most recent information

- Allows the user to drill down by date, by revisions, and by TSR, showing the charge breakouts at an AREF level

- Settles Multiple ISO charges out of the box (non-Pass-through or special adjustment) and calculations kept up to date by MCG

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CAISO EIM ENTITY SETTLEMENTS

_ **Allows for the shadow calculation and cost allocation of EIM related charges for the Entity based on a mix of ISO determinant data and independently sourced data**

_ **Provides a flexible method for defining aggregations for customers to facilitate cost allocation and settlement charge pass-through charges**

_ **Facilitates the comparison of core system data, submitted data, and settlement data by hour and by billing determinant to help track inconsistencies in ISO base data used for settlement**

_ **Integrates with MCG's core product suite for direct access to meter, schedule, and submission data without the need to build complex interfaces**

_ **Supports snapshotting of data to compare determinants at various points during the market run window (T-75, T-55, T-40, and I-40 snapshots)**

_ **Accommodates definition of which determinants to independently source and which determinants to accept from market to allow full coverage of charge shadow calculations**

SOFTWARE OVERVIEW

TransBill

Data Sources

Meters
_Generation
_Load
_Interchange
_Schedules

Rates
_Demand Rates
_Energy Rates
_Ownership Shares

Constants
_Loss Percentages
_Adjustments
_Conversion Rates

ISO Settlements
_Charges
_Determinants
_Rates

Reservations
_Original
_Redirects
_Resales
_Reductions

Determinants and Calculations

Determinants
_Base Data
_Intermediate Calculations
_Charge Data

Calculations
_Arithmetic Operators
_Functions
_Conditional Statements

Invoice Templates
_Multiple Templates
_Assigned Templates to Customers
_Charge and Determinant Data

Allocations
_Customer Definition
_Rollup Configuration
_Rollups by Snapshot

Communications

Internal Systems
_PI
_Meter Historian
_CAS
_AR/GL

External Systems
_OASIS
_eTag
_ISO

_ Run and review your bills before you finalize them.

_ Rebill functionality will re-run a past period with current data, compare it to the original bill, and report on the delta to be carried into the current month's bill.

_ Shadow settlements are run automatically as settlement statement data is pulled from the ISO

_ Rollups are calculated on a scheduled basis automatically by the system and can be reviewed and re-run to correct allocations at any time

For complete information, contact MCG at: **612-376-7757** or email: **sales@mcgenergy.com**