COGENT
Technology Group, Inc.

EMDRS
Energy Marketer
Data Reconciliation System

"EMDRS is worth its weight in gold"

Essential Features:
- Web-based administration
- Automatic 727 extract file retrieval
- Session logging to an SQL database
- Automatic file moves after download
- PGP certificate authentication
- Extract file archiving in database
- Configurable variance checker
- Web interface to variances
- Variance export in MarkeTrak format

System Software Requirements:
- MS Windows Server, Unix or Linux O/S
- Java J2EE servlet container
- SQL database with JDBC driver
- Database access to billing data

Minimum Hardware Requirements:
- Single processor
- 1 GByte RAM
- 100 GByte hard drive
- 100 Mbps Network Interface Card (NIC)
- Broadband internet connection

About Cogent
Cogent Technology Group is a provider of customizable, web-enabled, B2B software. Cogent offers specialty software solutions that focus on transaction management and data integrity to various industries.
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Energy Marketer Data Reconciliation System (EMDRS)

The market for deregulated electricity in Texas is overseen by a regulatory body called the Electricity Reliability Council of Texas (ERCOT).   Among other things, this body provides electricity marketers operating in the state with periodic historical (SCR727) data on the service history and electricity consumption of the accounts under their contracts.

The Economic Rationale for EMDRS
Since the forecasting of future electricity needs is partly based on past consumption patterns, it is essential to their economic viability for marketers to maintain accurate service history and consumption records. With the dynamic nature of the customer data and the large number of accounts to track, there is a real need to periodically validate the contents of the marketer's billing or Customer Information System in order to try to preserve the integrity of that all-important customer billing information.

Combining Functionality to Achieve an End
One way to achieve this objective is to combine the functions of our **Extensible Variance manager (EVM)** and our **Data Flow Manager (DFM)** applications. This is the basis for the **Energy Marketer Data Reconciliation System (EMDRS)** solution.

SCR727 Data Download
DFM manages the daily retrieval of the SCR727 data extracts from the ERCOT Texas Market Link internet portal. Downloads can be scheduled for any time of day with any frequency desired. At any point in time, the **DFM** user-interface provides a view into the download history and the logs created from the file retrieval activity.

Comparing Datasets
Within EMDRS, the **EVM** tool is used to compare the SCR727 data coming in daily from ERCOT with the billing system's version of the same data which is also changing daily based on incoming market transactions.

Exporting MarkeTrak Variances
Variances that have been created can be worked and, where needed, the billing data can be remediated.   In instances where the ERCOT data has been found to be in error, **EVM** can be used to generate a variance, in ERCOT's MarkeTrak format, to be sent to the agency for investigation and eventual correction.

For more information, visit the EMDRS Product page.