



Producer Services

Natural Gas and Crude Oil

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Overview

The Integrated Energy System (TIES) is a cutting-edge software solution designed to revolutionize energy trade and transaction management across various segments of the energy industry. TIES caters to the unique needs of:

-  **Producers**
Dynamic solution for Producers and those in producer services
-  **Gatherers**
Software solution designed to meet the unique needs of natural gas gatherers
-  **Pipeline and Storage Operators**
Manage logistical challenges, mitigate risks, and optimize profitability
-  **Plant Processors**
Prepare plant allocation and settlement statements
-  **Marketers and Traders**
Deal making, position reporting, trade blotter and more

Producer Functionality

Producers of Natural Gas and Crude Oil must prepare their products for subsequent delivery and sale. This includes the following:

- Estimating the “net available for sale” volume, prior to and during the flow month for supply. Estimated supply is shown by market area for dry and processed Gas, Crude Oil, and NGLs. Makeup volumes are automatically calculated and factored in.
- Monitoring actual flow and delivery during the flow month
- Determining the disposition of all product components (e.g., NGLs, Inerts, Residue Gas, etc.) associated with the specific well's volumes and easy to view summaries for marketing.
- Midstream marketing and the ability to auto calculate complex fees, fuel, and products for gathering and processing

Ultimately the value of the products produced from a well and delivered for sale must be valued based upon the actual movement and/or sale of all product components associated with the well.

In support of the Producer oriented processes outlined above, TIES provides the following capabilities.

Determine Volumes Available for Sale

TIES provides the ability to calculate and/or upload the volumes estimated as “Available for Sale” (AFS) at the well or receipt Meter. In the case of Natural Gas, the transport and/or subsequent processing of the product is simulated in order to provide an estimate of all associated products (e.g., NGLs, Inerts, Residue) that can be sold. In those situations where there are multiple working interest owners for a specific well, the determination of the AFS takes into account any owner imbalance make-up and/or banking of volumes. This process provides the basis for the initial Scheduling of the Natural Gas with the receiving pipeline(s) with balance-of-month updates automatically re-estimated for each day of new measurement.

Scheduling Volumes

As described above, TIES provides a complete Scheduling Module, whereby the user, as “Shipper” can import Nominations and Record Scheduled and Allocated volumes from the Transporter. In scheduling the movement of Natural Gas, the Fuel & Line Loss is automatically applied, along with the Transportation Rates for simple tracking of scheduling obligations

Monitoring Actual Flow

TIES has the ability to receive, record and allocate measured wellhead daily flows and to automatically allocate that volume downstream to the market, net of fuel. This allows traders and schedulers to have accurate, up to date Volumes in order to anticipate imbalances and to make decisions accordingly.

Selling Products

TIES provides a comprehensive and complete Trading Module, whereby energy commodities can be bought and sold. TIES supports the complexities of selling from the wells, through gathering systems and plants and makes those complex scenarios easy.

Well Netback Price Determination

TIES provides the ability to calculate netback pricing from downstream markets to the well for all products produced from the wellhead whether you are selling at the plant or first interconnect or moving across multiple pipelines to deliver to your markets. The detailed Netback provides for straight forward tracking and auditing of the calculations to make reconciliation a breeze.

Imbalance Management

TIES calculates imbalances based on the volumes in the system and supports multiple valuation methods. In recording actual volumes, the following imbalances are determined and/or displayed.

- Owner Imbalances (entitlement vs. actual) monthly and cumulative
- Gathering and Transportation Imbalances
- Cash Out Imbalances
- Storage Imbalances

Exchange and interoperability across diverse systems and platforms

Revenue Distribution

TIES allocates sells revenue and associated fuel, gathering, and transport costs to the wells or to the owners in the well. It offers interfaces for seamless integration with GL systems like SAP/PRA or Oracle PS to support Revenue.

Shared Functionality Across Segments

TIES offers essential functionalities for the energy industry:

Business Associates Administration: Efficiently manage relationships with modules for vital information, including legal details, contacts, and transaction history.

Price and Rate Administration: Establish pricing structures based on published prices or custom formulas for accurate valuation and transparent pricing.

Contract Administration: Organize various contracts with features like date-sensitive terms and automatic alerts.

Infrastructure Administration: Maintain physical infrastructure critical for energy transactions, ensuring accurate management of facilities and locations.

Accounting Functions: Streamline accounting processes with accounts payable and receivable capabilities, invoice generation, and integration with general ledger systems.

Standard APIs for Interface: Facilitate integration with third-party software through standard APIs for efficient data exchange.

Experience the Power of TIES Today!

TIES offers a holistic approach to energy trade and transaction management, empowering transporters and other industry stakeholders with advanced features, robust functionalities, and unparalleled efficiency. Experience the power of TIES today and unlock new possibilities for your energy operations.

[Contact us](#) now to schedule a personalized demo and discover how TIES can transform your energy operations and drive success in today's dynamic energy market.



Comprehensive Software
Solutions for Today's Energy
Challenges

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