



Risk Management
Commodities Trading
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Retail Natural Gas 8.1

A Complete Solution for Retail Natural Gas Operations

Managing supply and demand is a critical aspect of being successful in the retail gas market. In order to optimize processes, companies need the appropriate tools to improve decision making and gain complete visibility into all operations across the enterprise.

Product Overview

Allegro's Retail Natural Gas 8.1 component gives companies the ability to generate demand forecasts for varying time periods, accurately capture retail gas usage for new and existing customers and manage retail gas balancing in order to avoid penalties. Additionally, for Local Distribution Companies (LDC), it provides the ability to include third party transportation nominations as part of their supply and demand portfolio. The overall functionality gives users improved decision making capabilities to ensure accurate assessment and visibility into retail gas operations.

Features	Benefits
Demand Forecasting	<ul style="list-style-type: none"> Readily generate daily, monthly or annual demand forecasts based upon a choice of two demand forecast methods (historical consumption averages and trends in weather data or simple linear regression based on historical consumption and heating degree days)
Usage Management	<ul style="list-style-type: none"> Easily capture historical and actual retail gas usage
Third Party Transportation (for Local Distribution Companies)	<ul style="list-style-type: none"> Easily capture shipper to counterparty/meter relationship ensuring shipper's authorization to transport gas to end user Readily capture third party nominations Built in confirmation report to facilitate confirm third party nominations with mainline pipeline nominations
Storage Management	<ul style="list-style-type: none"> Easily generate and track storage plans to automatically adjust and account for Maximum Daily Quantities, storage ratchets and capacity release for improved storage management
Retail Gas Balancing	<ul style="list-style-type: none"> Immediate visibility of natural gas retail positions including daily and monthly imbalances at applicable balancing level (meter, pool, etc.) and storage inventory Readily adjust nominations to manage imbalances and avoid penalties Easily capture imbalance trades between parties prior to imbalance resolution with the LDC
Enhanced Reporting	<ul style="list-style-type: none"> Built in report views to improve decision making on retail gas usage by pipeline, point, or customer
Full Audit Capability	<ul style="list-style-type: none"> Full audit capability to ensure accuracy

Business Case

Allegro's Retail Natural Gas 8.1 component allows users, both Local Distribution Companies (LDC) and shippers authorized to transport gas for end users behind the city gate, to easily capture and manage meter and pool level data for residential, small commercial and industrial customers. This allows users to capture historical consumption data for new customers as well as actual consumption data for existing customers, enabling use of the best available data for accurate forecasting. This information interacts with other planning tools in Allegro for Demand Forecasting and Gas Retail Balancing.

The Gas Retail Usage Position report provides a straightforward, summarized view of all gas retail customer positions at multiple levels of granularity whether it be pipeline, pool, meter or customer, allowing for complete position visibility.

Demand Forecasting provides users with the ability to forecast long and short term customer demand. Allegro provides users with three different views for forecasting demand including Annual, Monthly and Daily views. Users have the choice of two demand forecast methods to generate demand forecasts. One option uses historical consumption averages based on historical and/or current actual data captured in the Gas Retail Usage pane for creating annual or monthly forecasts. The Daily Demand Forecast view also takes into account how weather changes have impacted volume demand in the past and displays forecasted volumes for a given retail meter based on the trend in volume changes. The second option uses a simple linear regression model referencing historical and/or current actual data captured in the Gas Retail Usage pane and associated heating degree days.

Specifically for LDCs, Retail Natural Gas 8.1 provides functionality to support third party transportation on distribution pipelines. LDCs can easily specify the relationship between approved third party shippers and respective end users for which they are authorized to transport gas to the city gate. Third party shipper nominations can be easily captured and the LDC can confirm those quantities nominated to their city gate with the mainline pipelines.

Gas Retail Balancing functionality assists with managing balances behind the LDC city gate by shipper, customer, pool, point or meter on a daily and a monthly basis. In Gas Retail Balancing, quantities are displayed for all statuses of a position (Trade, Forecast, Plan, Nominated, Scheduled and Actual). The Gas Retail Storage pane displays storage related information while the Gas Retail Imbalance pane displays daily and monthly imbalances, inclusive of any banked quantities. The Gas Retail Balancing view can be used to manipulate data on a daily basis and aids as a decision making tool to manage both retail customer and pipeline supply and delivery energy and daily imbalances. Storage inventory, including no-notice storage activity, and imbalances for current and cumulative information is automatically re-calculated as best available quantities are updated. The Gas Retail Imbalance Trading pane allows for imbalance trade capture between parties prior to resolving imbalances with the LDC.

Retail Natural Gas 8.1 seamlessly integrates with Allegro's Settlement component to validate monthly customer charges including those based upon a meter's maximum daily nomination (MDN) quantity or highest consumption quantity within a specified time range, commodity charges including tiered transportation rates, and other fees.

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