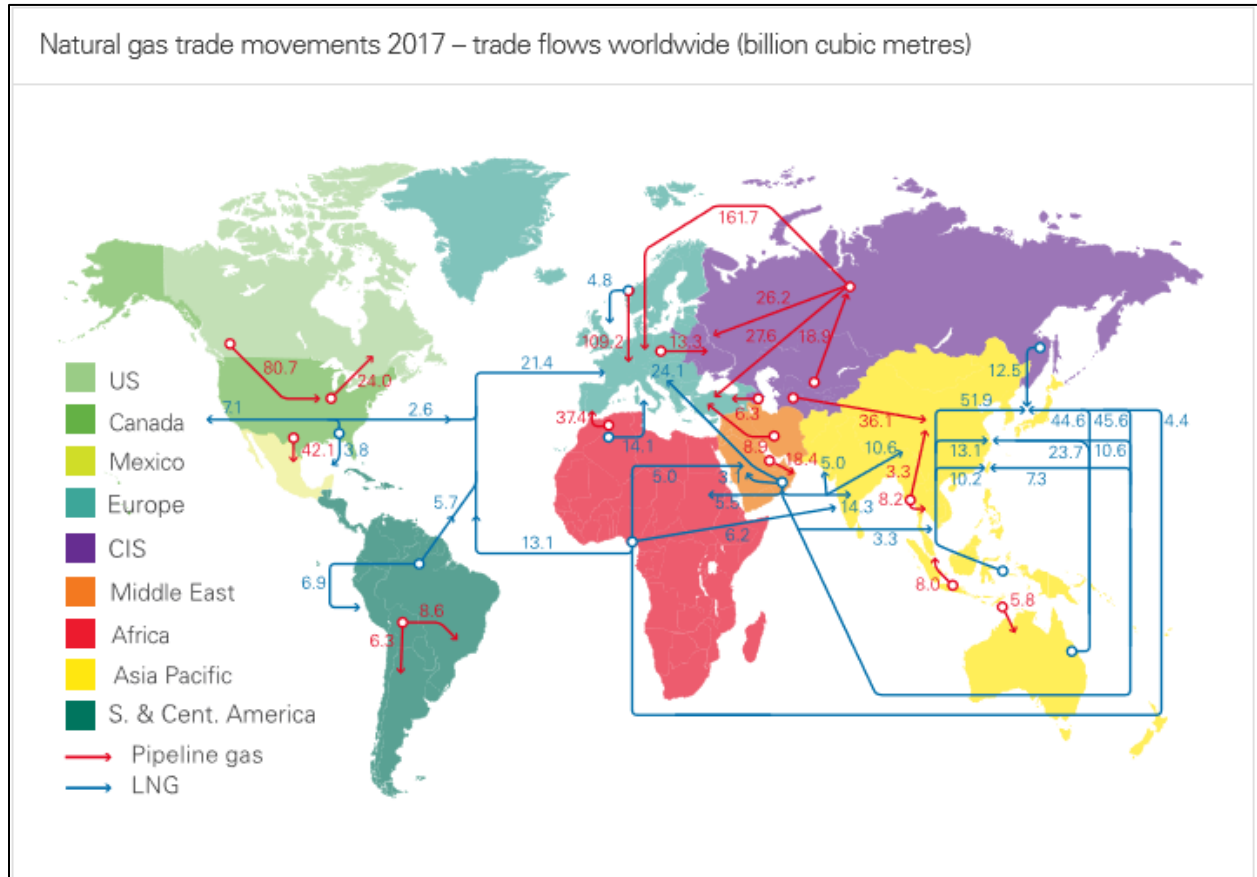


# G2M2<sup>®</sup> Global Gas Market Modeling System<sup>™</sup>

**G2M2<sup>®</sup>** is RBAC's modeling tool for developing scenarios and forecasts for the converging global market for natural gas. It is a complete system for integrated modeling of natural gas and LNG production, transportation, storage and consumption across the global gas market in support of high quality analyses and improved investment decision making. G2M2 was developed using principles learned from over two decades of experience with its predecessor system, GPCM<sup>®</sup>, the industry standard modeling system for North American natural gas.



G2M2 offers unprecedented levels of transparency without sacrificing speed or detail. It provides numerous useful reports, easily summarized to several geographical levels, each of which is exportable to MS Excel with a single click. Sophisticated and powerful, G2M2 is a modeling system which any analyst with natural gas industry knowledge can utilize to the benefit of his or her company or clients.

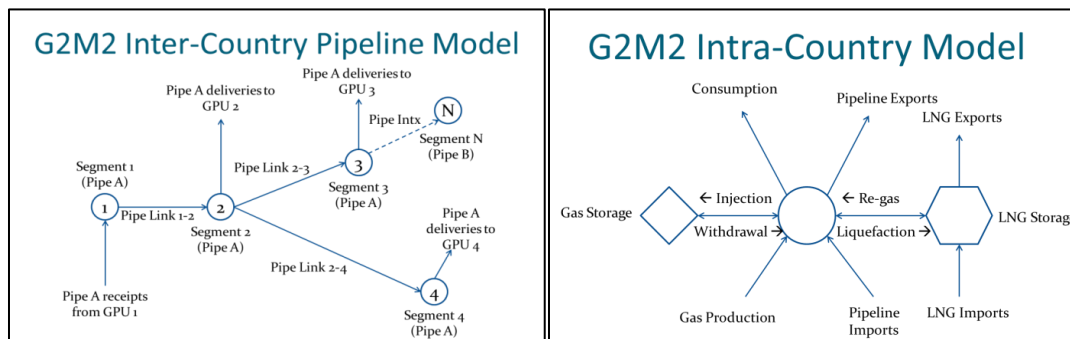
RBAC provides G2M2 licensees with a calibrated model of monthly gas supply, demand, transportation, storage, and price. Geographical granularity of supply and demand is the “GPU” (geo-political unit). While most countries are represented by a single GPU, those with large geographical extent are divided into multiple GPU's. The G2M2 base case is calibrated using the most recently available data from both publicly available and industry leading data providers. Currently the base case runs from 2011 to 2050. From this foundation each licensee creates its own reference case and scenarios based on its own assumptions.

Updates of the G2M2 base case are produced by RBAC's experienced staff of expert researchers and energy industry veterans. Each update incorporates explicit assumptions for energy industry developments including new pipelines, storage, and LNG projects, gas supply, gas-fired generation and other gas and LNG demand. Licensees can create scenarios employing their own assumptions for these projects. RBAC works continuously to improve

## G2M2® Global Gas Market Modeling System™

G2M2 functionality and performance, anticipating the needs of the industry and rapidly responding to user requests.

G2M2 is designed for use by leading energy upstream and midstream companies, consultants, gas and electric utilities, and government agencies.



### What kinds of G2M2 scenarios are possible?

- Base scenario using existing pipelines and LNG facilities and those under construction
- Newly proposed or hypothetical inter-regional import/export pipelines
- Proposed pipeline projects for new or growing supply sources to markets
- Expansions on existing pipelines
- Proposed LNG import/export terminals and capacity expansions
- New LNG tanker construction and retirements leading to alternative fleet levels
- Alternative scenarios of production capacity in existing or frontier supply areas
- Increasing demand in the gas-fired generation sector
- Growing demand in industrial and other gas use sectors
- Severe winter or mild winter demand cases
- New storage fields or increases in existing storage capacity

### Outputs from a G2M2 Scenario run include:

- Production and market prices by GPU (geo-political unit)
- Pipeline receipts from producers
- Pipeline flows and capacity utilization
- Transfers between pipelines at interconnects
- Deliveries by pipelines to each GPU
- Injections, withdrawals, and working gas in storage by GPU Market clearing quantities and prices in each GPU
- LNG import and export volumes and prices
- LNG flows between import and export terminals, by contract and spot
- LNG tanker fleet utilization by class (Q Max, Q Flex, etc.)

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#### Related Offerings from RBAC

- GPCM® Natural Gas Market Forecasting System™
- GPCM Daily™ for Intra-Month Stress Testing
- GPCM Viewpoints® on Natural Gas
- Gas4Power®
- NGL-NA® North American Natural Gas Liquids Market Model with Global Implications

#### Contact Information

For additional information about G2M2® and any other RBAC product, contact James Brooks directly at (281) 506-0588 ext. 126 and visit [www.rbac.com](http://www.rbac.com).