Future of RBAC Product Development

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Purpose

- RBAC's Purpose
  - Providing the most useful analytical tools to the energy industry
- How do we achieve that purpose?
  - Finding out the needs of the analysis community
  - Delivering products to fill those needs
- Needs and wants questionnaire
  - Recently RBAC sent all licensees a questionnaire to find out from you what you want in RBAC products (GPCM / G2M2)
  - We established a "Red Team" to analyze the user feedback
  - Today we present the results and their recommendations

Red Team Recommendations

- Favorites: Implement a “Favorites List” or “Favorites Menu”
  - Enable users to add recently used reports to “Favorites”
  - Save “Favorites” on user’s computer so it is not lost with GPCM updates
- Report Filters: Ability to save and apply later frequently used report filters
- Control Panel: Use white space on for faster navigation to data and reports
- Tabs: Provide Tabs on GPCM for more flexible navigation
- GDS: Improve functionality and performance
- Demand Case Builder: Clarify and simplify for users and developers
- Pipeline Project: Ability to Exclude/Include all components with one keystroke
- Power BI: Expand use of PBI for Faster scenario creation and reporting
- Graph Mode: Ability to select and filter in while in time series graphing
- Split DB Mode: Make sure all functions work well with split databases

Additional Recommendations

ONE MORE

- NGL Forecast: Remove - users don't find it useful

ALSO HIGHLY DESIRED

- Improved Support / Training / Communication with RBAC

ADVANCED DEVELOPMENT

- GIS: Integration of GPCM with existing GIS systems
- On-Line GPCM: Internet-based version of GPCM
- Scripting: Advanced interaction with GPCM/G2M2 via English-language-like command lists (scripts)

Prioritization

- We believe we know what needs to be done to make GPCM and G2M2 more useful and effective for you
- BUT …
  - which of these recommendations are most important for *YOU*?
- So we are giving YOU the opportunity to tell us what you think about this
- Please fill out the prioritization questionnaire giving each item a score between 0 (least desired) and 5 (most desired) and return them to our team

QUESTIONS?

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RBAC leads the market in global and regional gas and LNG market simulation and predictive analytics in support of corporate investment and M&A strategy, ESG, risk analysis, planning, and commodity trading. Our products and expertise help companies go beyond the narratives and hype to identify the opportunities and define the risks inherent in the uncertainties of energy transition using reality and fact-based fundamentals and analysis.

We continuously enhance our market simulation systems with the latest software and computer technology while applying the best of mathematical economics to assist our clients achieve their goals. This is especially needed as we see fundamental shifts taking place in the energy industry to achieve energy transition goals and meet increasingly demanding requirements of ESG. We provide regularly scheduled updates of our simulation systems and databases to keep our clients up-to-date with the most current market information. We enhance the functionality of our systems to enable our customers to simulate the effect of new regulations or industry requirements.

Our aim is to continue to lead the market in best practices which raise the standard of market simulation, enabling rapid and flexible scenario generation, sensitivity analysis, risk-assessment and forecasting, giving clients the edge in the rapidly changing energy market.

Those using RBAC's products and services include energy industry firms and consultants, as well as government agencies involved with energy, transportation, and the environment.

RBAC's principal products include:

- **GPCM® Market Simulator for North American Gas and LNG™** focused on the North American gas & LNG markets. GPCM is the industry standard market simulator for North American gas.
- **G2M2® Market Simulator for Global Gas and LNG™** for simulating increasingly integrated gas and LNG markets worldwide.
- **Gas4Power®** for integrating gas and power market fundamentals to produce credible forecasts for both.
- **NGL-NA®** Market Simulator for North American Natural Gas Liquids

With RBAC's advanced simulation systems, licensees can create and run scenarios involving bio-methane (Renewable Natural Gas – RNG) mixed with natural gas and to assess the implications of carbon taxes and markets on supply, demand, and prices. Future enhancements will include the ability to simulate the advent of a future hydrogen market with both pure hydrogen pipelines as well as mixtures with methane. The Energy Analyst of today and the future needs these kinds of tools to conduct realistic assessments and help develop realistic strategies and plans to achieve the goals of the energy transition.

Dr. Robert Brooks founded RBAC in 1987 based on experience developing several well-respected predictive models for government and industry. He designed the first gas transportation model while getting his PhD at MIT and has led the industry ever since.

RBAC's staff includes industry-trained experts in natural gas supply and demand, transportation, storage, marketing, and trading. Our team applies its world-class expertise in mathematical modeling, statistical analysis, mathematical algorithm development, software engineering, and database design to current and future challenges, risks and opportunities in energy.