



GPCM Workshop: Infrastructure & Auto-Expand

November 15, 2024

The Leader in Energy Market Simulation Systems

Providing energy companies, consultants, and regulators advanced tools to support:

- **Investment and M&A Strategy**
- **Environmental and Sustainability Goals**
- **Credible Risk Analysis**
- **Trading Strategy**
- **Policy Development and Assessment**
- **Energy Security**

GPCM Workshops

Infrastructure and Auto-Expand

November 15, 2024

Bethel King

Senior Director, Market
Analysis

David Brooks

Natural Gas Analyst



North American Natural Gas Overview

1. Create Scenario and Build New Blackcomb pipeline
2. Turn off Selected States in Auto-Expand

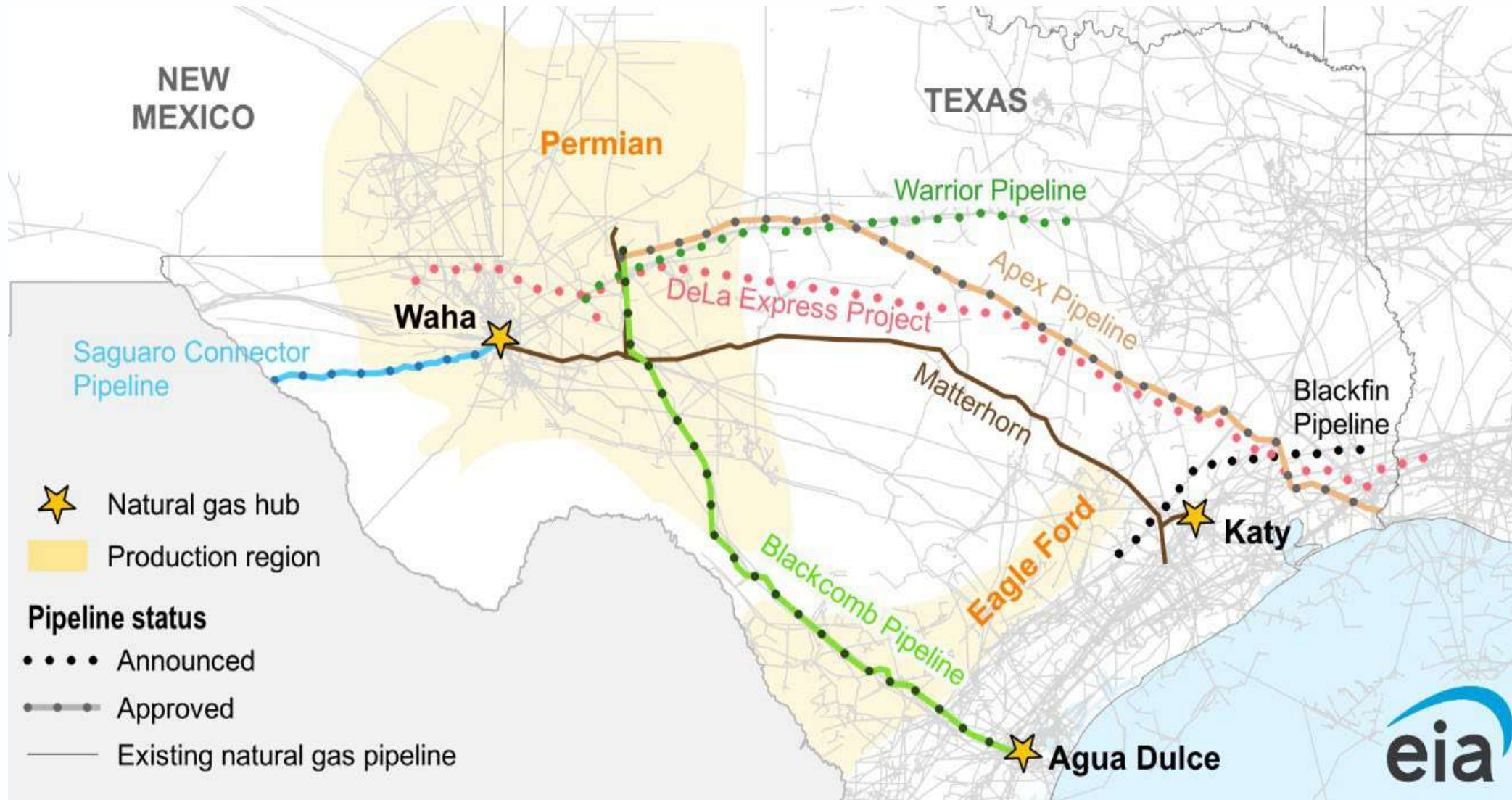
Create Scenario and Build New Pipeline

- Set up New Scenario
- Export Scenario into new Split Database
- Build new Blackcomb Pipeline with the Pipeline Builder
- Turn on new Blackcomb Pipeline in the Pipeline Available screen
- Select the new Pipeline Available Case on the Control Panel

Blackcomb Pipeline

- **Capacity → 2.5 Bcf/d**
- **Transports gas from Permian Basin to Agua Dulce**
- **Expected in-service date is in 2026**
- **Interconnects → Agua Blanca & Agua Dulce Hub**
- **Supply links → Midland (TX RRC 7C, TX RRC 8)**

Blackcomb Pipeline



Create New Scenario

FileGPCMHomeCreateExternal DataDatabase ToolsHelpTell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows HelpViewForm ViewImportExport from Excel to ExcelQuick PrintPrint PreviewCutCopyPasteCan't UndoAscendDescend

GPCM® Market Simulator for North American Gas & LNG™Developer Mode

Version 12.3.1.21Exit

Scenario23Q2baseLinked DatabaseD:_RBAC\GPCM\Databases\((23 Q2\23Q2base.acddbSplit? ☐ Size(MB)1.827

Scenario Subcases

Supply:23Q2baseStorage_Available:23Q2base

Demand:23Q2baseStorage_Plan:23Q2base

Pipeline_Available:23Q2baseStorage_Data:23Q2base

AutoExpand_Data:23Q2baseStorage_Link:23Q2base

Pipeline_Zone:23Q2baseBalancing Case:23Q2base

Pipeline_Link:23Q2baseCO2 Case:23Q2base

Supply_Link:23Q2baseCrossborder Case:23Q2base

Demand_Link:23Q2base

Interconnect_Link:23Q2base

Note: Entries in red have been modified since this scenario was last run.

Execution Parameters

Scenario Start:Jan-2015

Scenario Finish:Dec-2050

Discount Rate:0.0700

Continuation?☐

Based on:

Continued From:

Autoexpand?☒

Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.

Execution Summary

Start Time:7/30/2023 1:09 pm

Run Time:2597

of Variables:6,060,144

of Equations:2,832,394

Real \$ Year for linked DB is 2022

Description

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Create New Scenario

FileGPCMHomeCreateExternal DataDatabase ToolsHelpTell me what you want to do

DatabaseScenarioBuildersData_InputsExecuteReportsWindowsHelp

Create a New Scenario

Case Builders

Import Scenarios

Export Scenarios

Check this Scenario for errors

Rename a Scenario

Delete a Scenario

View Run History

Delete results for selected Scenario

Delete results for all Scenarios

Open Power Model Interface

G2M2 Global Gas Market Model

ViewForm View

ImportExportfrom Excel to Excel

Quick PrintPrint Preview

CutCopyPaste

Can't Undo

AscendDescend

Simulator for North American Gas & LNG™Developer Mode

Version 12.3.1.21

Exit

D:_RBAC\GPCM\Databases\((23 Q2\23Q2base.accdbSplit? ☐ Size(MB) 1,827

Supply:

Demand:

Pipeline_

AutoExpa

Pipeline_Zone:

Pipeline_Link:

Supply_Link:

Demand_Link:

Interconnect_Link:

23Q2base

23Q2base

23Q2base

23Q2base

23Q2base

23Q2base

23Q2base

23Q2base

23Q2base

Balancing Case:

CO2 Case:

Crossborder Case:

23Q2base

23Q2base

23Q2base

Note: Entries in red have been modified since this scenario was last run.

Execution Parameters

Scenario Start: Jan-2015

Scenario Finish: Dec-2050

Discount Rate: 0.0700

Continuation? ☐

Based on:

Continued From:

Autoexpand? ☒

Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.

Execution Summary

Start Time: 7/30/2023 1:09 pm

Run Time: 2597

of Variables: 6,060,144

of Equations: 2,832,394

Real \$ Year for linked DB is 2022

Description

Create New Scenario

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import from Excel to Excel Export from Excel to Excel Quick Print Print Preview Cut Copy Paste Can't Undo Ascend Descend

GPCM® Market Simulator for North American Gas & LNG™

Version 12.3.1.21 Developer Mode

Scenario: 23Q2base Linked Database: D:_RBAC\GPCM\Databases\((23 Q2

Scenario Subcases

Supply:	23Q2base	Storage_Available:	23Q2base
Demand:	23Q2base	Storage_Plan:	23Q2base
Pipeline_Available:	23Q2base	Storage_Data:	23Q2base
AutoExpand_Data:	23Q2base	Storage_Link:	23Q2base
Pipeline_Zone:	23Q2base	Balancing Case:	23Q2base
Pipeline_Link:	23Q2base	CO2 Case:	23Q2base
Supply_Link:	23Q2base	Crossborder Case:	23Q2base
Demand_Link:	23Q2base		
Interconnect_Link:	23Q2base		

Note: Entries in red have been modified since this scenario was last run.

NEW SCENARIO

New_Scenario_Name: User Conf Split

Based_On_Scenario: 23Q2base

Make New Cancel

Autoexpand? ☒

Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.

Real \$ Year for linked DB is 2022

Description

Create New Scenario

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import Export from Excel to Excel Quick Print Print Preview Cut Copy Paste Can't Undo Ascend Descend

GPCM® Market Simulator for North American Gas & LNG™ Developer Mode

Version 12.3.1.21

Scenario **User Conf Split** Linked Database D:_RBAC\GPCM\Databases\((23 Q2\23Q2base.acddb Split? ☐ Size(MB) 1,827

Exit

Scenario Subcases				Execution Parameters		Execution Summary	
Supply:	23Q2base	Storage_Available:	23Q2base	Scenario Start:	Jan-2015	Start Time:	
Demand:	23Q2base	Storage_Plan:	23Q2base	Scenario Finish:	Dec-2050	Run Time:	
Pipeline_Available:	23Q2base	Storage_Data:	23Q2base	Discount Rate:	0.0700	# of Variables:	
AutoExpand_Data:	23Q2base	Storage_Link:	23Q2base	Continuation?	☐	# of Equations:	
Pipeline_Zone:	23Q2base	Balancing Case:	23Q2base	Based on:			
Pipeline_Link:	23Q2base	CO2 Case:	23Q2base	Continued From:			
Supply_Link:	23Q2base	Crossborder Case:	23Q2base	Autoexpand?	☒		
Demand_Link:	23Q2base			Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.			
Interconnect_Link:	23Q2base			Real \$ Year for linked DB is 2022			

Note: Entries in red have been modified since this scenario was last run.

Description

Export into Split Database

The screenshot displays the RBAC GPCM software interface. The 'Scenario' menu is open, and the 'Export a Scenario' option is highlighted. The interface includes a ribbon with tabs: File, GPCM, Home, Create, External Data, Database Tools, Help, and a search bar. The 'Database' tab is active, showing a list of scenarios. The 'Export a Scenario' option is selected, leading to a dialog box for exporting the scenario to a split database. The dialog box contains fields for the database path, split checkbox, and size (MB). The 'Execution Parameters' section shows settings for the scenario, including start and finish dates, discount rate, and continuation options. The 'Execution Summary' section provides a summary of the scenario's execution, including start time, run time, and number of variables and equations.

Scenario Menu Options:

- Create a New Scenario
- Case Builders
- Import Scenarios
- Export Scenarios
- Check this Scenario for errors
- Rename a Scenario
- Delete a Scenario
- View Run History
- Delete results for selected Scenario
- Delete results for all Scenarios
- Open Power Model Interface
- G2M2 Global Gas Market Model

Export a Scenario Dialog:

Database: D:\RBAC\GPCM\Databases\((23 Q2\23Q2base.acddb) Split? ☐ Size(MB) 1,827

Execution Parameters:

- Scenario Start: Jan-2015
- Scenario Finish: Dec-2050
- Discount Rate: 0.0700
- Continuation? ☐
- Based on:
- Continued From:
- Autoexpand? ☒

Execution Summary:

- Start Time:
- Run Time:
- # of Variables:
- # of Equations:

Real \$ Year for linked DB is 2022

Export into Split Database

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import Export from Excel to Excel Quick Print Print Preview Cut Copy Paste Can't Undo Ascend Descend

GPCM® Market Simulator for North American Gas & LNG™

Version 12.3.1.21 Developer Mode

Scenario **User Conf Split** Linked Database D:_RBAC\GPCM\Databases\((23 Q2\23Q2

Export Scenario - Closing in 19...

This Scenario can be exported in single file or in multi-file mode.

Do you want to export or cancel?

Single file **Multi-file** Cancel

Scenario Subcases

Supply:	23Q2base	Storage_Available:	23Q2base
Demand:	23Q2base	Storage_Plan:	23Q2base
Pipeline_Available:	23Q2base	Storage_Data:	23Q2base
AutoExpand_Data:	23Q2base	Storage_Link:	23Q2base
Pipeline_Zone:	23Q2base	Balancing Case:	23Q2base
Pipeline_Link:	23Q2base	CO2 Case:	23Q2base
Supply_Link:	23Q2base	Crossborder Case:	23Q2base
Demand_Link:	23Q2base		
Interconnect_Link:	23Q2base		

Note: Entries in red have been modified since this scenario was last run.

Execution

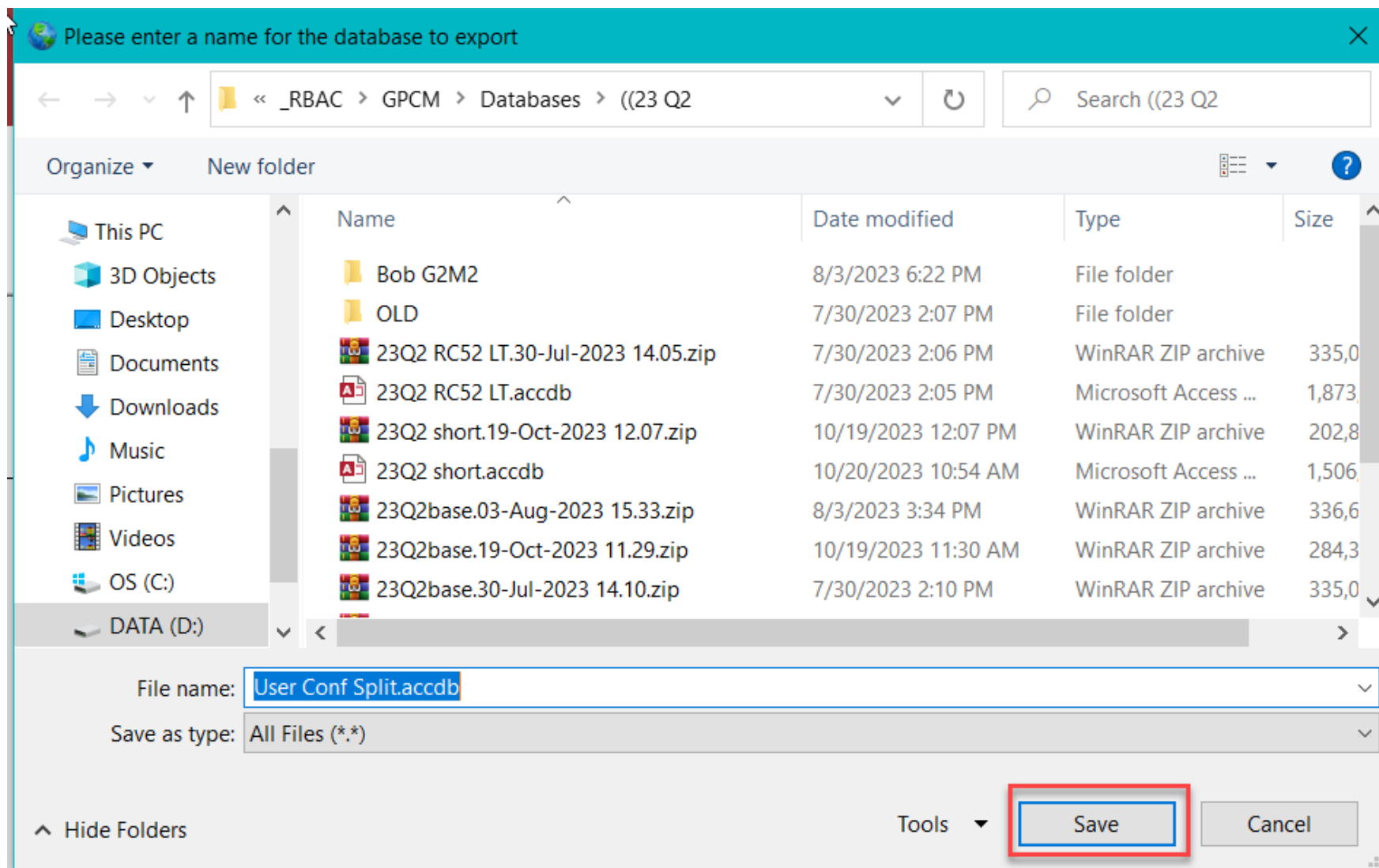
Scenario Start:
Scenario Finish:
Discount Rate:
Continuation?
Based on:
Continued From:
Autoexpand? ☒

Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.

Real \$ Year for linked DB is 2022

Description

Export into Split Database



Export into Split Database

The screenshot displays the GPCM Market Simulator for North America Gas & LNG. The interface includes a menu bar (File, GPCM, Home, Create, External Data, Database Tools, Help) and a toolbar with options like Form View, Import, Export, Quick Print, and Print Preview. The main window shows the 'Scenario Subcases' section with various dropdown menus for parameters like Supply, Demand, Pipeline, and Storage. A pop-up window titled 'GPCM - MessageToUser' is centered on the screen, displaying the text 'Exporting SPB_Growth'. Below this, a red arrow points from the pop-up to a 'Microsoft Access' dialog box on the right, which asks 'Do you wish to connect to the exported database?' with 'Yes' and 'No' buttons. Another red arrow points from the 'Microsoft Access' dialog box to the explanatory text at the bottom right.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help

Form View Import Export from Excel to Excel Quick Print Print Preview Cut Copy Paste Can't Undo Ascend Descend

GPCM® Market Simulator for North American Gas & LNG™
Version 12.2.7.19

Scenario **User Conf Split** Linked Database D:_RBAC\GPCM\Databases\(((2

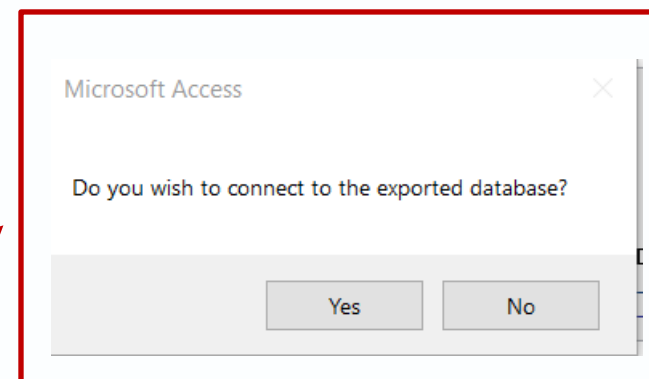
Scenario Subcases

Supply:	22Q3base	Storage_Available:	22Q3base
Demand:	22Q3base	Storage_Plan:	22Q3base
Pipeline_Available:	22Q3base	Storage_Data:	22Q3base
AutoExpand_Data:	22Q3base	Storage_Link:	22Q3base
Pipeline_Zone:	22Q3base	LNG Import Case:	22Q3base
Pipeline_Link:	22Q3base	Balancing Case:	22Q3base
Supply_Link:	22Q3base	CO2 Case:	22Q3base
Demand_Link:	22Q3base	Crossborder Case:	22Q3base
Interconnect_Link:	22Q3base		

Note: Entries in red have been modified since this scenario was last run.

Real \$ Year for linked DB is 2021

Exporting SPB_Growth



After this pop-up box, another pop-up box will ask if you want to zip up the 1st database.

Pipeline Builder

GPCM - Control Panel - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help

Infrastructure Case Builder
Supply Case Builder
Demand Case Builder
Storage Plan Case Builder
Short Term Weather Forecast Case Builder
New Location Builder
LNG Terminal Builder
Pipeline Builder
Interconnect Builder
Storage Facility Builder
Market Point Builder
Customer Builder

Scenario: 23Q2base

Execution Parameters

Scenario Start: Jan-2015
Scenario Finish: Dec-2050
Discount Rate: 0.0700
Continuation? ☐
Based on:
Continued From:
Autoexpand? ☒

Execution Summary

Start Time: 7/30/2023 1:09 pm
Run Time: 2597
of Variables: 6,060,144
of Equations: 2,832,394

Real \$ Year for linked DB is 2022

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Setup Interconnects

File GPCM Home Create External Data Database Tools Help Form Tools Form Datasheet Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import from Excel Export to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Selection Filter By Form Toggle Filter Visual Basic

New Pipeline Builder

(follow the directions below)

To build a new pipeline, enter the relevant data in each tab below, beginning with the Pipeline tab and proceeding from left to right. When all data is entered, click the Build button above to load your new pipeline to GPCM for use.

Pipeline Pipeline Zones Pipeline Links Supply Links Demand Links Intx Links Storage Links Pipeline State Connectivity

Zone	Interconnect	Beg_Date	Project_ID	Rcpt_Cap	Dlvy_Cap
Blackcomb	_New			0	0
	Acadian Gillis Lateral Hub			0	0
	Acadian HH - C Gulf E Lat LA				
	Acadian HH - FGT Z2 R LA				
	Acadian LA - HGA LA				
	ACP - Col Gas 1 SE VA				
	ACP - E Gas Sup Header WV				
	ACP - Transco Z5 Rcpt VA				
	Adelphia Gateway NA - Col Gas 4 E PA				
	Adelphia Gateway NB - TX E M3 N PA				
	Adelphia Gateway S - Transco Z6 Rcpt PA				
	Adelphia Gateway S - TX E M3 S PA				
	Adelphia Gtway NB - Transco Z6 to 210 PA				
	Agua Blanca - EP Perm TX				
	Agua Blanca - GCX TX				
	Agua Blanca - NGPL Perm TX				

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Agua Blanca Interconnect

File GPCM Home Create External Data Database Tools Help Form Tools GPCM - New Pipeline - RBAC, Inc.

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import from Excel Export to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Selection Filter By Form Toggle Filter Visual Basic

New Pipeline Builder

(follow the directions below)

To build a new pipeline, enter the relevant data in each tab below, beginning with the Pipeline tab and proceeding from left to right. When all data is entered, click the Build button above to load your new pipeline to GPCM for use.

Pipeline Pipeline Zones Pipeline Links Supply Links Demand Links Intx Links Storage Links Pipeline State Connectivity

Zone	Interconnect	Beg_Date	Project_ID	Rcpt_Cap	Divy_Cap
Blackcomb	New	Oct-2026	Blackcomb	2,500	0
*				0	0

Enter State Code

State code (2-4 Characters)?

OK

Cancel

TX

New Pipeline Builder

(follow the directions below)

To build a new pipeline, enter the relevant data in each tab below, beginning with the Pipeline tab and proceeding from left to right. When all data is entered, click the Build button above to load your new pipeline to GPCM for use.

Pipeline | Pipeline Zones | Pipeline Links | Supply Links | Demand Links | Intx Links | Storage Links | Pipeline State Connectivity

Zone	Interconnect	Beg_Date	Project_ID	Rcpt_Cap	Dlvy_Cap
Agua Blanca	Blackcomb - Agua Blanca	Oct-2026	Blackcomb	0	2,500
Blackcomb	Agua Dulce Hub--S TX	Oct-2026	Blackcomb	0	2,500
Blackcomb	Blackcomb - Agua Blanca	Oct-2026	Blackcomb	2,500	0
*				0	0

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Turn on Blackcomb

GPCM - Control Panel - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help

View Form View Import Export from Excel to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Selection Filter By Form Toggle Filter Visual Basic

GPCM® Market Simulator for North American Gas & LNG™ *Developer Mode*
Version 12.3.5.5

Scenario **23Q2base** Linked Database C:\RBAC\GPCM\Databases\23Q2base.acddb Split? ☐ Size(MB) **1.827** **Exit**

Scenario Subcases		Execution Parameters		Execution Summary			
Supply:	23Q2base	Storage_Available:	23Q2base	Scenario Start:	Jan-2015	Start Time:	7/30/2023 1:09 pm
Demand:	23Q2base	Storage_Plan:	23Q2base	Scenario Finish:	Dec-2050	Run Time:	2597
Pipeline_Available:	23Q2base	Storage_Data:	23Q2base	Discount Rate:	0.0700	# of Variables:	6,060,144
AutoExpand_Data:	23Q2base	Storage_Link:	23Q2base	Continuation?	☐	# of Equations:	2,832,394
Pipeline_Zone:	23Q2base	Balancing Case:	23Q2base	Based on:			
Pipeline_Link:	23Q2base	CO2 Case:	23Q2base	Continued From:			
Supply_Link:	23Q2base	Crossborder Case:	23Q2base	Autoexpand?	☒		
Demand_Link:	23Q2base					Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.	
Interconnect_Link:	23Q2base					Real \$ Year for linked DB is 2022	

Note: Entries in red have been modified since this scenario was last run.

Description

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Turn on Blackcomb

GPCM - Pipelines Available

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Datasheet View Import from Excel Export to Excel Cut Copy Paste Can't Undo

Pipelines Available All Data Make New Rename Delete Include All Close

Pipeline_Avail	Pipeline	Status	Type	In-Service	Exclude	Go to Website
23Q2base	Acadian Pipeline	Operational	Intrastate	Jan-1998	☐	Website
23Q2base	Adelphia Gateway	Proposed	Intrastate	Nov-2023	☐	Website
23Q2base	Agua Blanca	Operational	Intrastate	Apr-2018	☐	Website
23Q2base	Alaska Gasline	Proposed	Intrastate	Jul-2030	☒	Website
23Q2base	Alaska Northern Local	Operational	Intrastate	Jan-1998	☐	Website
23Q2base	Alaska Pipeline Project	Proposed	Interstate	Jul-2020	☒	Website
23Q2base	Alaska Southern Local	Operational	Intrastate	Jan-1998	☐	Website
23Q2base	Algonquin	Operational	Interstate	Jan-2001	☐	Website
23Q2base	Alliance Pipeline	Operational	Interstate	Jan-2010	☐	Website
23Q2base	American Midstream (AlaTenn)	Operational	Interstate	Jan-2001	☐	Website
23Q2base	Anaconda	Operational	Offshore	Jan-1998	☐	Website
23Q2base	ANG (TCPL BC system)	Operational	Intrastate	Jan-1998	☐	Website
23Q2base	ANR	Operational	Interstate	Jan-2001	☐	Website
23Q2base	Arkoma Connector	Operational	Interstate	Apr-2019	☐	Website
23Q2base	Atlantic Coast	Proposed	Interstate	Oct-2022	☐	Website
23Q2base	Atmos TX (Lone Star)	Operational	Intrastate	Jan-2001	☐	Website
23Q2base	Big Sandy	Operational	Intrastate	Apr-2009	☐	Website
23Q2base	Bison Pipeline	Operational	Interstate	Jan-2011	☐	Website
23Q2base	Blackcomb	Proposed	Intrastate	Oct-2026	☒	Website
23Q2base	Blue Dolphin	Operational	Offshore	Jan-1998	☐	Website
23Q2base	Bluewater	Operational	Intrastate	Jan-1998	☐	Website
23Q2base	Brazoria Interconnector Gas	Operational	Intrastate	May-2008	☐	Website
23Q2base	Bridgeline	Operational	Intrastate	Jan-1998	☐	Website



North American Natural Gas Overview

1. Create Scenario and Build New LNG Facility
2. Turn off Selected States in Auto-Expand

Change Auto-Expand to turn off selected States

- Create a New Auto-Expand case
- Turn off Auto-Expand for Oregon, Washington, Delaware, and Maryland
- Select the New Auto-Expand case on the Control Panel

Make New Auto Expand Case

GPCM - Control Panel - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import from Excel Export to Excel Cut Copy Paste Can't Undo Refresh All Filter By S Filter By F Toggle Fil

GPCM® Market Simulator for North American Gas & LNG™ *Developer Mode*
Version 12.3.5.5

Scenario: 23Q2base Linked Database: C:\RBAC\GPCM\Databases\23Q2base.acddb Split? ☐ Size(MB) 1,827 Exit

Scenario Subcases		Execution Parameters		Execution Summary	
Supply:	23Q2base	Scenario Start:	Jan-2015	Start Time:	7/30/2023 1:09 pm
Demand:	23Q2base	Scenario Finish:	Dec-2050	Run Time:	2597
Pipeline_Available:	23Q2base	Discount Rate:	0.0700	# of Variables:	6,060,144
AutoExpand_Data:	23Q2base	Continuation?	☐	# of Equations:	2,832,394
Pipeline_Zone:	23Q2base	Based on:			
Pipeline_Link:	23Q2base	Continued From:			
Supply_Link:	23Q2base	Autoexpand?	☒		
Demand_Link:	23Q2base	Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.		Real \$ Year for linked DB is 2022	
Interconnect_Link:	23Q2base				
Storage_Available: 23Q2base					
Storage_Plan: 23Q2base					
Storage_Data: 23Q2base					
Storage_Link: 23Q2base					
Balancing Case: 23Q2base					
CO2 Case: 23Q2base					
Crossborder Case: 23Q2base					

Note: Entries in red have been modified since this scenario was last run.

Description

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Make New Auto Expand Case

GPCM - AutoExpand Data - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help

View Form View Datasheet View Import from Excel Export to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Selection Filter By Form Toggle Filter Visual Basic

Auto-Expand Data by Zone

Shift Dates Toggle On Toggle Off **Make New** Rename Delete Close

AutoExpand Case	Pipeline	Filterset / Zone	Beg Date	AutoExpand	Max Exp	Min Cost	Rate Mult
23Q2base							
23Q2base	Acadian Pipeline	Acadian Gillis Lateral	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Gillis Lateral	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Gillis Lateral	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Haynesville	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Haynesville	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Haynesville	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian HH	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian HH	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian HH	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian NELA	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian NELA	Apr-2036	☒	75%	\$0.200	3.00

Pipeline Zone – Turn Zone Off

GPCM - AutoExpand Data - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help

View Form View Datasheet View Import from Excel Export to Excel Cut Copy Paste Undo Refresh All Filter By Selection Filter By Form Toggle Filter Visual Basic

Auto-Expand Data by Zone

Shift Dates Toggle On Toggle Off Make New Rename Delete Close

AutoExpand Case	Pipeline	Filterset / Zone	Beg Date	AutoExpand	Max Exp	Min Cost	Rate Mult
23Q2base	Acadian Pipeline	Acadian Gillis Lateral	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Gillis Lateral	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Gillis Lateral	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Haynesville	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Haynesville	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Haynesville	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian HH	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian HH	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian HH	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian NELA	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian NELA	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian NELA	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Venice	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Venice	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Acadian Pipeline	Acadian Venice	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia North A	Apr-2026	☒	50%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia North A	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia North A	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia North B	Apr-2031	☒	50%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia North B	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia North B	Apr-2046	☒	100%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia South	Apr-2031	☒	50%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia South	Apr-2036	☒	75%	\$0.200	3.00
23Q2base	Adelphia Gateway	Adelphia South	Apr-2046	☒	100%	\$0.200	3.00

GPCM - New AutoExpand Case

Make New AutoExpand Case

New_Case_Name: 2024 User Conf

Based_On_Case: 23Q2base

Make New Cancel

Filter for Oregon Auto Expand

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Auto-Expand Data by Zone

Shift Dates Toggle On **Toggle Off** Make New Rename Delete Close

Filterset / Zone

State: OR

AutoExpand Case	Pipeline	Filterset / Zone	Beg Date	AutoExpand	Max Exp	Min Cost	Rate Mult
2024 User Conf	Gas Transmission NW (GTN)	GTN Malin	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Malin	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Malin	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN S line	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN S line	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN S line	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Stanfield	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Stanfield	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Stanfield	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	LNG Jordan Cove Header	LNG Jordan Cove Export	Apr-2026	☐	50%	\$0.200	1.00
2024 User Conf	LNG Jordan Cove Header	LNG Jordan Cove Export	Apr-2046	☐	75%	\$0.200	1.00
2024 User Conf	LNG Jordan Cove Header	LNG Jordan Cove Export	Apr-2056	☐	100%	\$0.200	1.00
2024 User Conf	Northwest Pipeline	NW Stanfield Rec Zn	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Stanfield Rec Zn	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Stanfield Rec Zn	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western OR	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western OR	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western OR	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Pacific Connector	Pac Cntr Zone 1	Apr-2026	☐	50%	\$0.200	3.00
2024 User Conf	Pacific Connector	Pac Cntr Zone 1	Apr-2046	☐	75%	\$0.200	3.00
2024 User Conf	Pacific Connector	Pac Cntr Zone 1	Apr-2056	☐	100%	\$0.200	3.00
*				☒			

Turn off Oregon Auto Expand

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Database Scenario Builders Data_Inputs Execute Reports Windows Help

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Auto-Expand Data by Zone

Shift Dates Toggle On **Toggle Off** Make New Rename Delete Close

Filterset / Zone

AutoExpand Case Pipeline State: OR Beg Date AutoExpand Max Exp Min Cost Rate Mult

2024 User Conf	Gas Transmission NW (GTN)	GTN Malin	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Malin	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Malin	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN S line	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN S line	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN S line	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Stanfield	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Stanfield	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Stanfield	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	LNG Jordan Cove Header	LNG Jordan Cove Export	Apr-2026	☒	50%	\$0.200	1.00
2024 User Conf	LNG Jordan Cove Header	LNG Jordan Cove Export	Apr-2046	☒	75%	\$0.200	1.00
2024 User Conf	LNG Jordan Cove Header	LNG Jordan Cove Export	Apr-2056	☒	100%	\$0.200	1.00
2024 User Conf	Northwest Pipeline	NW Stanfield Rec Zn	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Stanfield Rec Zn	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Stanfield Rec Zn	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western OR	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western OR	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western OR	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Pacific Connector	Pac Cntr Zone 1	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Pacific Connector	Pac Cntr Zone 1	Apr-2046	☒	75%	\$0.200	3.00
2024 User Conf	Pacific Connector	Pac Cntr Zone 1	Apr-2056	☒	100%	\$0.200	3.00
*				☒			

Microsoft Access

Are you sure you want to turn off auto-expand for all filtered records?

Yes No

Filter for Washington Auto Expand

GPCM - AutoExpand Data - RBAC, Inc.

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Database Scenario Builders Data_Inputs Execute Reports Windows Help

Form View Datasheet View Import from Excel Export to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Selection Filter By Form Toggle Filter Visual Basic

Auto-Expand Data by Zone

Shift Dates Toggle On Toggle Off Make New Rename Delete Close

Filterset / Zone

State: WA

AutoExpand Case	Pipeline	State	Beg Date	AutoExpand	Max Exp	Min Cost	Rate Mult
2024 User Conf	Gas Transmission NW (GTN)	GTN Kingsgate	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Kingsgate	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN Kingsgate	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN N Line	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN N Line	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Gas Transmission NW (GTN)	GTN N Line	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Eastern WA	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Eastern WA	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Eastern WA	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Plymouth Station	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Plymouth Station	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Plymouth Station	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Sumas WA	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Sumas WA	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Sumas WA	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Washougal Station	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Washougal Station	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Washougal Station	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western WA	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western WA	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Northwest Pipeline	NW Western WA	Apr-2046	☒	100%	\$0.200	3.00
*				☐			

Turn off Washington Auto Expand

GPCM - AutoExpand Data - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help

View Form View Datasheet View Import from Excel to Excel Export to Excel Can't Undo Refresh All Filter By Selection Filter By Form Toggle Filter Visual Basic

Auto-Expand Data by Zone

Shift Dates Toggle On **Toggle Off** Make New Rename Delete Close

AutoExpand Case	Pipeline	Filterset / Zone	State: WA	Beg Date	AutoExpand	Max Exp	Min Cost	Rate Mult
2024 User Conf	Gas Transmission NW (GTN)	GTN Kingsgate	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Gas Transmission NW (GTN)	GTN Kingsgate	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Gas Transmission NW (GTN)	GTN Kingsgate	Apr-2046	☒	100%	\$0.200	3.00	
2024 User Conf	Gas Transmission NW (GTN)	GTN N Line	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Gas Transmission NW (GTN)	GTN N Line	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Gas Transmission NW (GTN)	GTN N Line	Apr-2046	☒	100%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Eastern WA	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Eastern WA	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Eastern WA	Apr-2046	☒	100%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Plymouth Station	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Plymouth Station	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Plymouth Station	Apr-2046	☒	100%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Sumas WA	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Sumas WA	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Sumas WA	Apr-2046	☒	100%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Washougal Station	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Washougal Station	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Washougal Station	Apr-2046	☒	100%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Western WA	Apr-2026	☒	50%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Western WA	Apr-2036	☒	75%	\$0.200	3.00	
2024 User Conf	Northwest Pipeline	NW Western WA	Apr-2046	☒	100%	\$0.200	3.00	

Microsoft Access

Are you sure you want to turn off auto-expand for all filtered records?

Yes No

Filter for and Turn off Delaware Auto Expand

The screenshot shows the GPCM - AutoExpand Data interface. The 'Toggle Off' button is highlighted with a red arrow. A confirmation dialog box is displayed, asking: 'Are you sure you want to turn off auto-expand for all filtered records?'. The dialog has 'Yes' and 'No' buttons.

Auto-Expand Data by Zone

Shift Dates Toggle On **Toggle Off** Make New Rename Delete Close

Filterset / Zone
State: DE

AutoExpand Case	Pipeline	Beg Date	AutoExpand	Max Exp	Min Cost	Rate Mult
2024 User Conf	Eastern Shore Natural Gas	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Apr-2046	☒	100%	\$0.200	3.00
*			☐			

Microsoft Access

Are you sure you want to turn off auto-expand for all filtered records?

Yes No

Filter for and Turn off Maryland Auto Expand

GPCM - AutoExpand Data - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data Inputs Execute Reports Windows Help

Form View Datasheet View Import from Excel Export to Excel Can't Undo Refresh All Filter By Selection Filter By Form Toggle Filter Visual Basic

Auto-Expand Data by Zone

Shift Dates Toggle On **Toggle Off** Make New Rename Delete Close

Filters / Zone

State: MD

AutoExpand Case	Pipeline	State	Beg Date	AutoExpand	Max Exp	Min Cost	Floto Mult
2024 User Conf	Eastern Gas	E Gas S Sys SE (MD, VA)	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Eastern Gas	E Gas S Sys SE (MD, VA)	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Eastern Gas	E Gas S Sys SE (MD, VA)	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Eastern Gas	E Gas S Sys SE Sup	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Eastern Gas	E Gas S Sys SE Sup	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Eastern Gas	E Gas S Sys SE Sup	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Eastern Shore Deliv Z3	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Eastern Shore Deliv Z3	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Eastern Shore Natural Gas	Eastern Shore Deliv Z3	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	LNG Cove Point Header	LNG Cove Point Export	Apr-2026	☒	50%	\$0.200	1.00
2024 User Conf	LNG Cove Point Header	LNG Cove Point Export	Apr-2046	☒	75%	\$0.200	1.00
2024 User Conf	LNG Cove Point Header	LNG Cove Point Export	Apr-2056	☒	100%	\$0.200	1.00
2024 User Conf	LNG Cove Point Header	LNG Cove Point Import	Apr-2026	☒	50%	\$0.200	1.00
2024 User Conf	LNG Cove Point Header	LNG Cove Point Import	Apr-2046	☒	75%	\$0.200	1.00
2024 User Conf	LNG Cove Point Header	LNG Cove Point Import	Apr-2056	☒	100%	\$0.200	1.00
2024 User Conf	Transcontinental	Transco Z5 North Rept	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z5 North Rept	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z5 North Rept	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z5 Potomac	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z5 Potomac	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z5 Potomac	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 MD	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 MD	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 MD	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 Rock Spr Lat	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 Rock Spr Lat	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 Rock Spr Lat	Apr-2046	☒	100%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 St 190-195	Apr-2026	☒	50%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 St 190-195	Apr-2036	☒	75%	\$0.200	3.00
2024 User Conf	Transcontinental	Transco Z6 St 190-195	Apr-2046	☒	100%	\$0.200	3.00

Microsoft Access

Are you sure you want to turn off auto-expand for all filtered records?

Yes No

Select New Auto Expand Case

GPCM - Control Panel - RBAC, Inc.

File GPCM Home Create External Data Database Tools Help Tell me what you want to do

Database Scenario Builders Data_Inputs Execute Reports Windows Help View Form View Import Export from Excel to Excel Cut Copy Paste Can't Undo Refresh All Ascending Descending Filter By Filter By Toggle F

GPCM® Market Simulator for North American Gas & LNG™ *Developer Mode*
Version 12.3.5.5

Scenario 23Q2base Linked Database C:\RBAC\GPCM\Databases\23Q2base.acddb Split? ☐ Size(MB) 1,827 **Exit**

Scenario Subcases		Execution Parameters		Execution Summary	
Supply:	23Q2base	Storage_Available:	23Q2base	Scenario Start:	Jan-2015
Demand:	23Q2base	Storage_Plan:	23Q2base	Scenario Finish:	Dec-2050
Pipeline_Available:	23Q2base	Storage_Data:	23Q2base	Discount Rate:	0.0700
AutoExpand_Data:	23Q2base	Storage_Link:	23Q2base	Continuation?	☐
Pipeline_Zone:	2024 User Conf	Balancing Case:	23Q2base	Based on:	
Pipeline_Link:	23Q2base	CO2 Case:	23Q2base	Continued From:	
Supply_Link:	23Q2base	Crossborder Case:	23Q2base	Autoexpand?	☒
Demand_Link:	23Q2base			Note: Auto-Expansion settings are now defined at the pipeline zone level using the AutoExpand Data table.	
Interconnect_Link:	23Q2base			Real \$ Year for linked DB is 2022	

Note: Entries in red have been modified since this scenario was last run.

Description

GPCM is a trademark owned by RT7K, LLC, and is used with its permission.

GPCM Workshop: Infrastructure



Questions?



RBAC, Inc.

www.rbac.com

(281) 506-0588

contact@rbac.com

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.

To find out more information about **GPCM** scan:



To schedule a meeting with RBAC email: contact@rbac.com