# GPCM Workshop: Storage

November 21, 2025

## 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

# Storage

## November 21, 2025

**Robert Kachmar**
Senior Natural Gas Analyst

# Storage Workshop

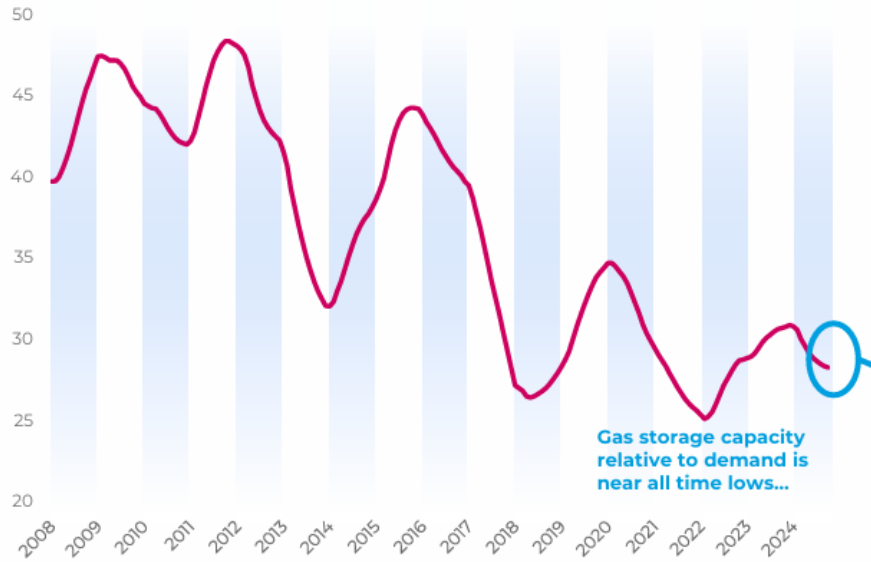
1. Days of Service
2. Increasing Storage Data
3. Increasing Storage Plan
4. Putting it all together
5. Summary

# GPCM Case Study - Storage

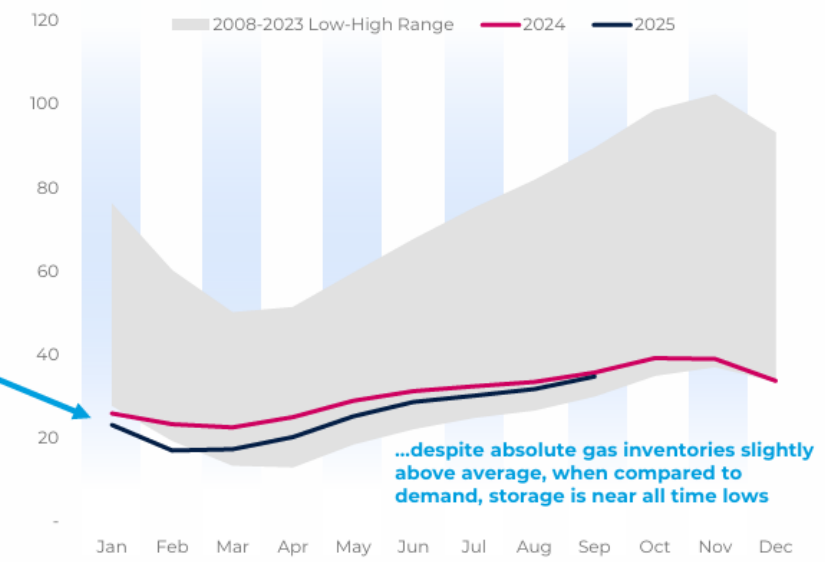
## Inadequate Natural Gas Storage Will Amplify Price Volatility

Lack of storage relative to demand, limited coal switching ability and renewable intermittency will amplify price volatility

**U.S. GAS STORAGE: DAYS OF LONG-TERM DEMAND COVER[1]**
*Storage / Daily Demand*




**STORAGE EXPRESSED IN DAYS' DEMAND COVER[1]**
*Storage / Daily Demand*




**UNDER THIS DYNAMIC, PRICE IS INCREASINGLY BECOMING THE ONLY MECHANISM THAT BALANCES INVENTORIES, CREATING A MORE VOLATILE GAS PRICING MARKET**

1. Source: EQT internal analysis. Days of demand cover = Storage / Daily gas demand. Represents the days of gas demand available in storage.

24

# GPCM Case Study - Storage

- This Days of Long-Term Demand cover ratio puts into perspective how much demand growth has outpaced storage additions over the past 15 years
- There has been a major drive of late to add facilities, particularly in the Gulf Region, to act as balancing when LNG Export Facilities trip or go offline. Especially for extended periods of time.
  - Freeport LNG has had many issues in this regard
- A continued investment in storage assets, not just in the Gulf, but nationwide is needed to add flexibility back into the natural gas market. While also cushioning consumers from significant price spikes as extreme weather events like Winter Storm Uri and Elliott become more common

# GPCM Case Study - Scope

- Make a new Scenario
- Familiarize ourselves with the Fields and Functionality of “Storage Data”
  - Make New
  - Filter EIA Region for South Central
    - Increase “Working Capacity” by 2x
    - Increase “Max Inj Rate” and “Max With Rate” by 1.5x
- Familiarize ourselves with the “Storage Plan Form”
  - Make New
  - Filter EIA Region for South Central
    - Increase “Max Qty”
- Control Panel Selections
- Execute

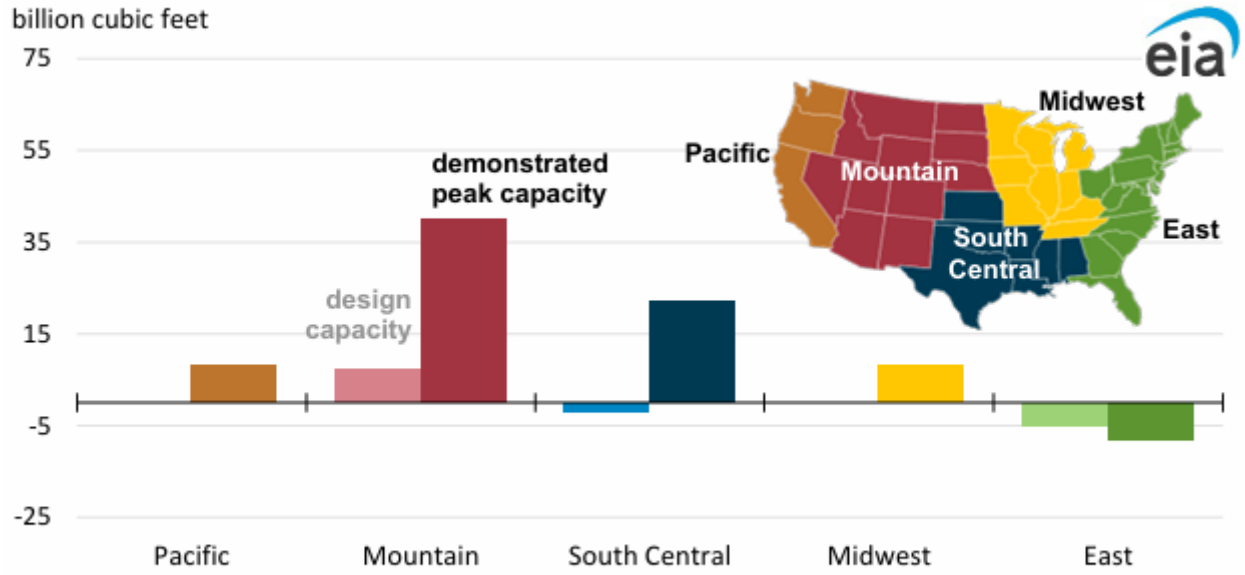
# Storage Workshop

1. Days of Service
2. Increasing Storage Data
3. Increasing Storage Plan
4. Putting it all together
5. Summary

# The EIA 191 Report

Historically released on an annual basis, with the most recent release in May 2025. This report tracks changes in "Working Gas Capacity" as well as "Peak Day Capacity" but also includes important information like Location, Storage Type, and Owner. This is the information that populates GPCM's "Storage Data" Form after being loaded into Access.

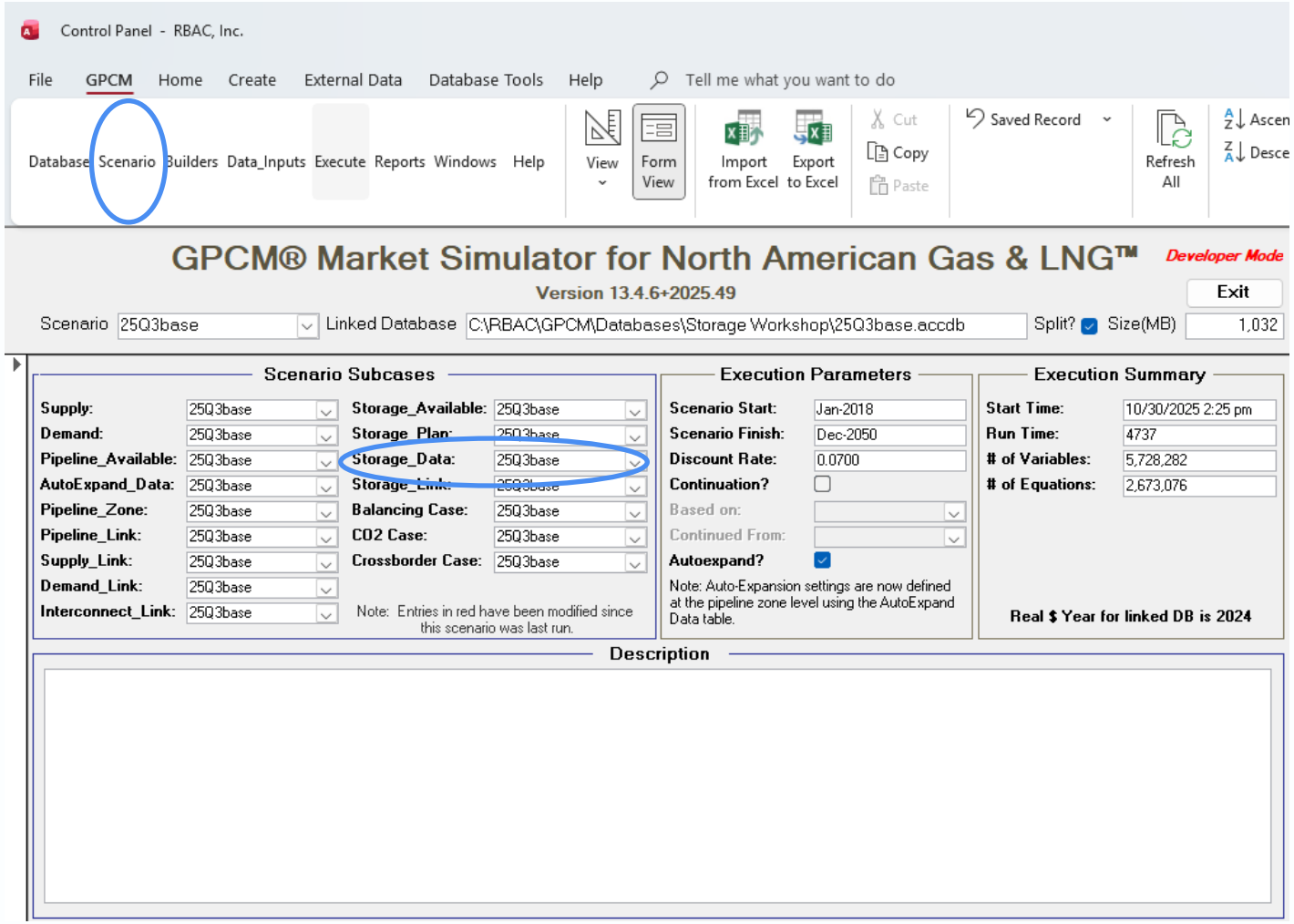
**Figure 1. Changes in natural gas storage capacity by storage region (2023–24)**



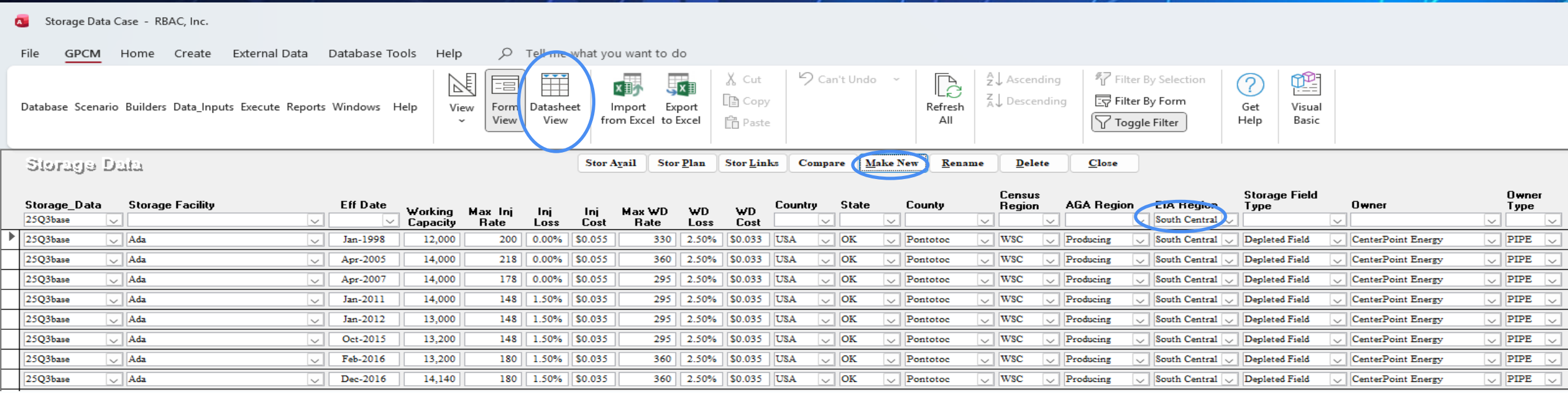

**Data source:** U.S. Energy Information Administration, Form EIA-191, *Monthly Underground Natural Gas Storage Report*
**Note:** Measures of capacity reflect final revised values as published in the *Underground Natural Gas Storage Capacity Report*.

# Storage Data

- Access Ribbon - Scenario Drop Down
  - Make a New Scenario
  - Call it Storage Workshop
- Double Click on Storage Data “25Q3base”

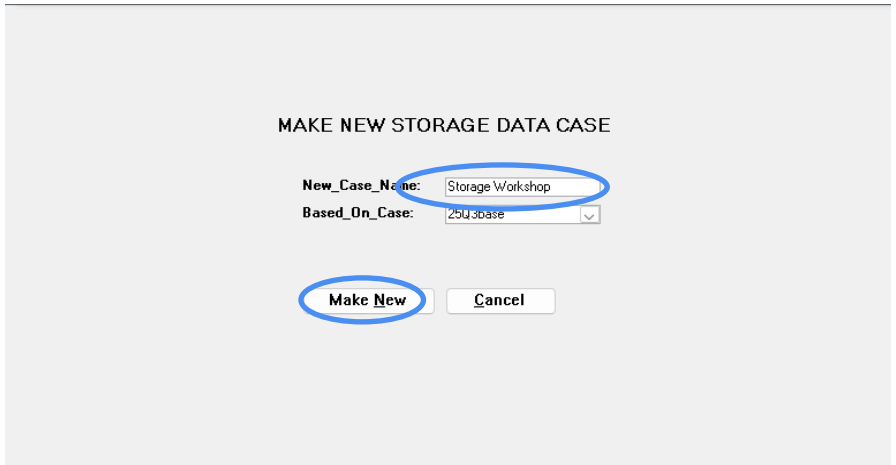


# Storage Data




| Storage_Data | Storage Facility | Eff Date | Working Capacity | Max Inj Rate | Inj Loss | Inj Cost | Max WD Rate | WD Loss | WD Cost | Country | State | County | Census Region | AGA Region | EIA Region | Storage Field Type | Owner | Owner Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25Q3base | | | | | | | | | | | | | | | South Central | | | |
| 25Q3base | Ada | Jan-1998 | 12,000 | 200 | 0.00% | $0.055 | 330 | 2.50% | $0.033 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Apr-2005 | 14,000 | 218 | 0.00% | $0.055 | 360 | 2.50% | $0.033 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Apr-2007 | 14,000 | 178 | 0.00% | $0.055 | 295 | 2.50% | $0.033 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Jan-2011 | 14,000 | 148 | 1.50% | $0.035 | 295 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Jan-2012 | 13,000 | 148 | 1.50% | $0.035 | 295 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Oct-2015 | 13,200 | 148 | 1.50% | $0.035 | 295 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Feb-2016 | 13,200 | 180 | 1.50% | $0.035 | 360 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Dec-2016 | 14,140 | 180 | 1.50% | $0.035 | 360 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |

- Make a New Storage Data Case
  - Name it “Storage Workshop”
  - Click Make New
- Once back in the form Filter for the “South Central” EIA Region
  - Should have 694 records, with many Storage Fields have multiple records to represent changes over time
- In the Access Ribbon Select “Datasheet View”



# Storage Data


| Storage_Data | Storage Facility | Eff Date | Working | Max Inj Rate | Inj Loss | Inj Cost | Max WD Rate | WD Loss | WD Cost | Country | State | County | Census Region | AGA Region | EIA Region | Storage Field Ty | Owner | Owner Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25Q3base | Ada | Jan-1998 | 12,000 | 200 | 0.00% | $0.055 | 330 | 2.50% | $0.033 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Apr-2005 | 14,000 | 218 | 0.00% | $0.055 | 360 | 2.50% | $0.033 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Apr-2007 | 14,000 | 178 | 0.00% | $0.055 | 295 | 2.50% | $0.033 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Jan-2011 | 14,000 | 148 | 1.50% | $0.035 | 295 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Jan-2012 | 13,000 | 148 | 1.50% | $0.035 | 295 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Oct-2015 | 13,200 | 148 | 1.50% | $0.035 | 295 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Feb-2016 | 13,200 | 180 | 1.50% | $0.035 | 360 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Dec-2016 | 14,140 | 180 | 1.50% | $0.035 | 360 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Ada | Nov-2018 | 12,600 | 180 | 1.50% | $0.035 | 360 | 2.50% | $0.035 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 25Q3base | Alden | Jan-1998 | 4,200 | 70 | 1.00% | $0.042 | 134 | 2.50% | $0.025 | USA | KS | Rice | WNC | Producing | South Central | Depleted Field | Southern Star Cent | PIPE |
| 25Q3base | Alden | Jan-2011 | 4,200 | 67 | 1.50% | $0.035 | 134 | 2.50% | $0.035 | USA | KS | Rice | WNC | Producing | South Central | Depleted Field | Southern Star Cent | PIPE |
| 25Q3base | Ambassador | Jan-2001 | 651 | 1 | 1.00% | $0.026 | 1 | 2.50% | $0.038 | USA | TX | Clay | WSC | Producing | South Central | Depleted Field | Cago Inc | PMER |
| 25Q3base | Ambassador | Jan-2011 | 651 | 1 | 1.50% | $0.035 | 1 | 2.50% | $0.035 | USA | TX | Clay | WSC | Producing | South Central | Depleted Field | Cago Inc | PMER |
| 25Q3base | Ambassador | Jan-2015 | 1 | 1 | 1.50% | $0.035 | 1 | 2.50% | $0.035 | USA | TX | Clay | WSC | Producing | South Central | Depleted Field | Cago Inc | PMER |
| 25Q3base | Amory | Jan-1998 | 1,481 | 8 | 1.50% | $0.035 | 35 | 2.50% | $0.035 | USA | MS | Monroe | ESC | Producing | South Central | Depleted Field | Atmos Energy | LDC |

- Click in the upper left-hand corner of the datasheet form and much like an excel document, this will highlight the entire data set.
- From there you can copy/paste to excel and delete every record but the most recent for each storage facility (this was a bit tedious so I won't walk you through that).
- Once that is completed, copy that dataset and paste it right next to the existing.

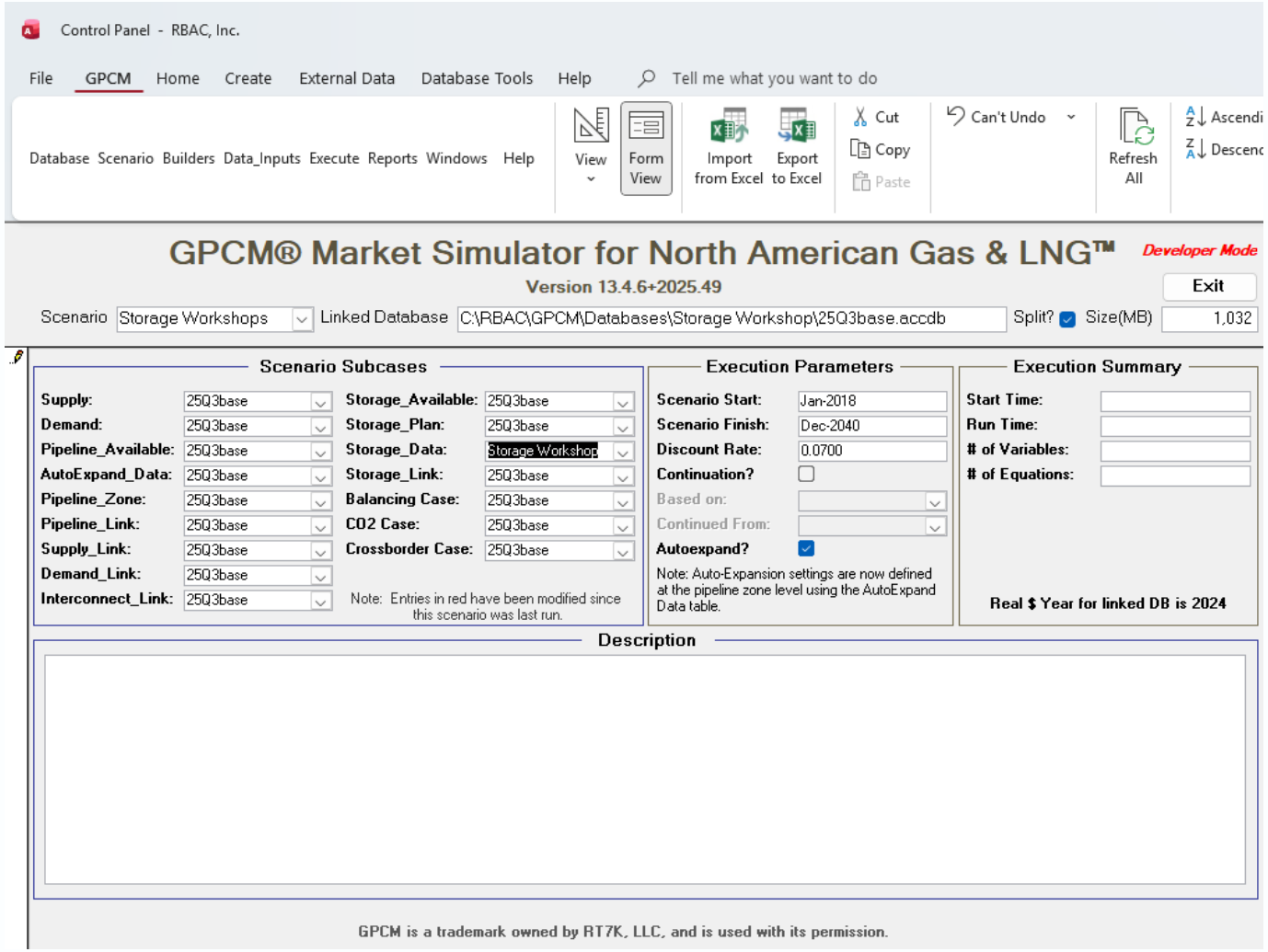
# Storage Data

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Storage_Data | Storage Facility | Eff Date | Working Capacit | Max Inj Rate | Inj Loss | Inj Cost | Max WD Rate | WD Loss | WD Cost | Country | State | County | Census Region | AGA Region | EIA Region | Storage Field Type | Owner | Owner Type |
| 2 | 25Q3base | Ada | Nov-2018 | 12,600.00 | 180.00 | 1.50% | $0.04 | 360.00 | 2.50% | $0.04 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| 3 | 25Q3base | Alden | Jan-2011 | 4,200.00 | 67.00 | 1.50% | $0.04 | 134.00 | 2.50% | $0.04 | USA | KS | Rice | WNC | Producing | South Central | Depleted Field | Star Central Corp | PIPE |
| 4 | 25Q3base | Ambassador | Jan-2015 | 1.00 | 0.50 | 1.50% | $0.04 | 1.00 | 2.50% | $0.04 | USA | TX | Clay | WSC | Producing | South Central | Depleted Field | Cago Inc | PMER |
| 5 | 25Q3base | Amory | Oct-2017 | 994.00 | 12.50 | 1.50% | $0.04 | 25.00 | 2.50% | $0.04 | USA | MS | Monroe | ESC | Producing | South Central | Depleted Field | Atmos Energy | LDC |
| 6 | 25Q3base | Arcadia | Jul-2023 | 13,800.00 | 450.00 | 1.50% | $0.04 | 900.00 | 2.50% | $0.04 | USA | LA | Bienville | WSC | Producing | South Central | Salt Dome | Arcadia Gas Storage, LLC | PMER |

- Once the duplicate records have been deleted and the records we want have been copied over, we can begin editing.
- We need to Change:
  - Case Name to “Storage Workshop”,
  - “Effective Date” to Apr-2026,
  - Multiple Working Capacity by 2,
  - Multiply Max Inj/WD Rate by 1.5.
- You can then go back to Access and paste these values back in at the bottom of the dataset

| U | V | W | X | Y | Z | AA | AB | AC | AD | AE | AF | AG | AH | AI | AJ | AK | AL | AM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Storage_Data | Storage Facility | Eff Date | Working Capacity | Max Inj Rate | Inj Loss | Inj Cost | Max WD Rate | WD Loss | WD Cost | Country | State | County | Census Region | AGA Region | EIA Region | Storage Field Type | Owner | Owner Type |
| Storage Workshop | Ada | Apr-2026 | 25,200.00 | 270.00 | 1.50% | $0.04 | 540.00 | 2.50% | $0.04 | USA | OK | Pontotoc | WSC | Producing | South Central | Depleted Field | CenterPoint Energy | PIPE |
| Storage Workshop | Alden | Apr-2026 | 8,400.00 | 100.50 | 1.50% | $0.04 | 201.00 | 2.50% | $0.04 | USA | KS | Rice | WNC | Producing | South Central | Depleted Field | Star Central Corp | PIPE |
| Storage Workshop | Ambassador | Apr-2026 | 2.00 | 0.75 | 1.50% | $0.04 | 1.50 | 2.50% | $0.04 | USA | TX | Clay | WSC | Producing | South Central | Depleted Field | Cago Inc | PMER |
| Storage Workshop | Amory | Apr-2026 | 1,988.00 | 18.75 | 1.50% | $0.04 | 37.50 | 2.50% | $0.04 | USA | MS | Monroe | ESC | Producing | South Central | Depleted Field | Atmos Energy | LDC |
| Storage Workshop | Arcadia | Apr-2026 | 27,600.00 | 675.00 | 1.50% | $0.04 | 1,350.00 | 2.50% | $0.04 | USA | LA | Bienville | WSC | Producing | South Central | Salt Dome | Arcadia Gas Storage, LLC | PMER |

# Control Panel




Once you have made all your edits and pasted the new data back into your dataset, make sure to come back into the control panel and select your new storage data case in that dropdown.

This is a best practice habit to ensure the correct sub-cases are always selected when you execute your scenario.

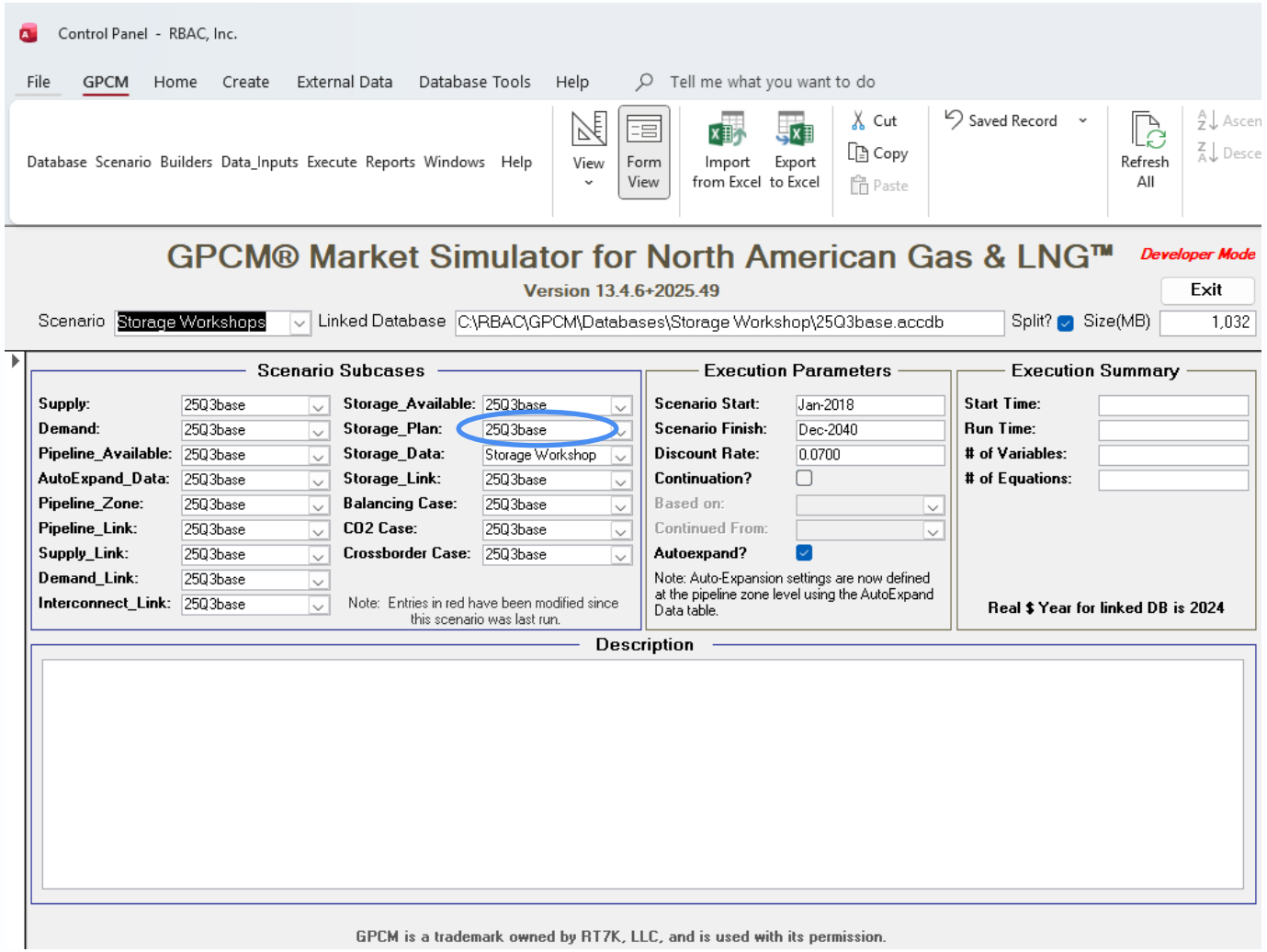
# Storage Workshop

1. Days of Service
2. Increasing Storage Data
3. Increasing Storage Plan
4. Putting it all together
5. Summary

# Storage Plan

- There is a plan for each storage facility within GPCM.
- This plan consists of monthly records with a Minimum Quantity and a Maximum Quantity as well a lot of the same information such as location data from the Storage Data form.
- In the historical period, the Minimum and Maximum quantities are equal, because we know what the ending balances were for that period. However, in the future we use a 5-year average of the Minimum and Maximum quantities that field experienced. This average creates our “Plan” for how that facility will operate in the future. While we don’t have access to individual storage contracts or the information within them, we use this average as a proxy for ratchet information.
    - ❖ A “Ratchet” is a monthly contracted volume that a storage field must be at. In a typical Depleted Well Field, with one injection season and one withdrawal season, Ratchets and Storage Levels dictate how much gas can be injected or withdrawn.
- I think the best way to explain is with a balloon. If a storage field is like a balloon, it is very easy to blow a balloon up at the beginning, when there isn’t much air inside. As the balloon fills it gets harder to push more air inside. This explains how storage level impacts injection ratchets. When a ballon is very full and you let a little air out, it comes very fast. As the balloon gets smaller in volume, the slower the air comes out. This explains how storage level impacts withdrawal ratchets.

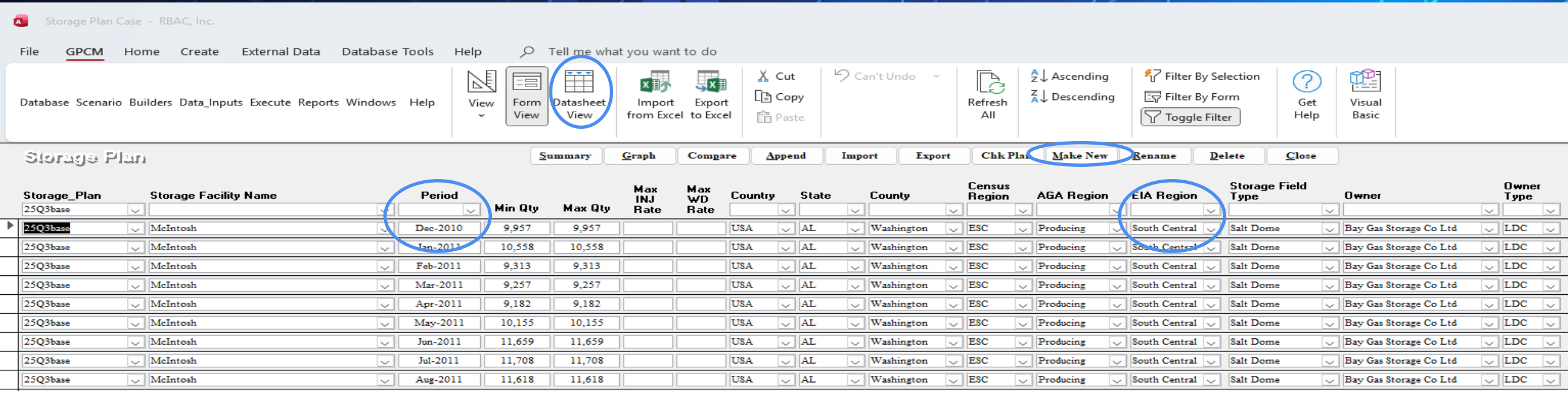
# Storage Plan




We edit the Storage Plan much the same as we do the Storage Data

Double Click the 25Q3base sub case and it will take us to the existing plan

# Storage Plan




| Storage_Plan | Storage Facility Name | Period | Min Qty | Max Qty | Max INJ Rate | Max WD Rate | Country | State | County | Census Region | AGA Region | EIA Region | Storage Field Type | Owner | Owner Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25Q3base | | | | | | | | | | | | | | | |
| 25Q3base | McIntosh | Dec-2010 | 9,957 | 9,957 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Jan-2011 | 10,558 | 10,558 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Feb-2011 | 9,313 | 9,313 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Mar-2011 | 9,257 | 9,257 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Apr-2011 | 9,182 | 9,182 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | May-2011 | 10,155 | 10,155 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Jun-2011 | 11,659 | 11,659 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Jul-2011 | 11,708 | 11,708 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Aug-2011 | 11,618 | 11,618 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |

- Click the Make New button at the top of the table and name your new Storage Plan “Storage Workshop”
- Filter the EIA Region for South Central
- In the Period field filter for “On or After Apr-2026”
- Click Datasheet view
- Much like before, we will click in the upper left-hand corner and copy this data to excel

# Storage Plan

| Storage_Plan | ge Facility | Period | Min Qty | Max Qty | ax INJ Rat | ax WD Ra | Country | State | County | nsus Reg | GA Regio | EIA Region | age Field T | Owner | wner Ty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25Q3base | McIntosh | Apr-2027 | 13,415.12 | 14,905.68 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | May-2027 | 13,068.02 | 14,520.02 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Jun-2027 | 10,795.93 | 11,995.48 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Jul-2027 | 9,413.84 | 10,459.82 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| 25Q3base | McIntosh | Aug-2027 | 8,534.28 | 9,482.53 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |

- Once our data is pasted in Excel, we can paste it again right next to it and begin editing
- We want to Make sure the Name of our Storage Plan Matches our new case, and we want to multiply the “Max Qty” by 2

| torage_Pla | ge Facility | Period | Min Qty | Max Qty | ax INJ Rat | ax WD Ra | Country | State | County | nsus Reg | GA Regio | EIA Region | age Field T | Owner | wner Typ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Storage Workshop | McIntosh | Apr-2027 | 13,415.12 | 29,811.36 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| Storage Workshop | McIntosh | May-2027 | 13,068.02 | 29,040.04 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| Storage Workshop | McIntosh | Jun-2027 | 10,795.93 | 23,990.96 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| Storage Workshop | McIntosh | Jul-2027 | 9,413.84 | 20,919.64 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |
| Storage Workshop | McIntosh | Aug-2027 | 8,534.28 | 18,965.06 | | | USA | AL | Washington | ESC | Producing | South Central | Salt Dome | Bay Gas Storage Co Ltd | LDC |

# Storage Workshop

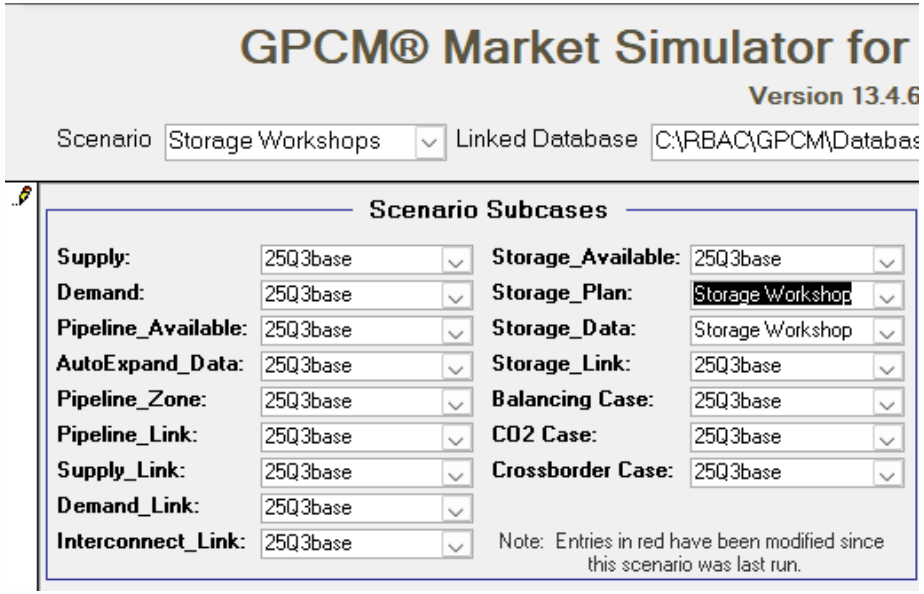
1. Days of Service
2. Increasing Storage Data
3. Increasing Storage Plan
4. Putting it all together
5. Summary

# Putting it all Together

From there we will go back to Access in our new storage plan that has been filtered, and delete those records and paste our new ones in. It is important to be very careful that the number of records you are deleting matches the number of records you are pasting back in. Missing data records is my public enemy number one when working with GPCM.

From there is as simple as going back to your Control Panel, ensuring that the new Storage Plan sub case is selected and hitting execute.

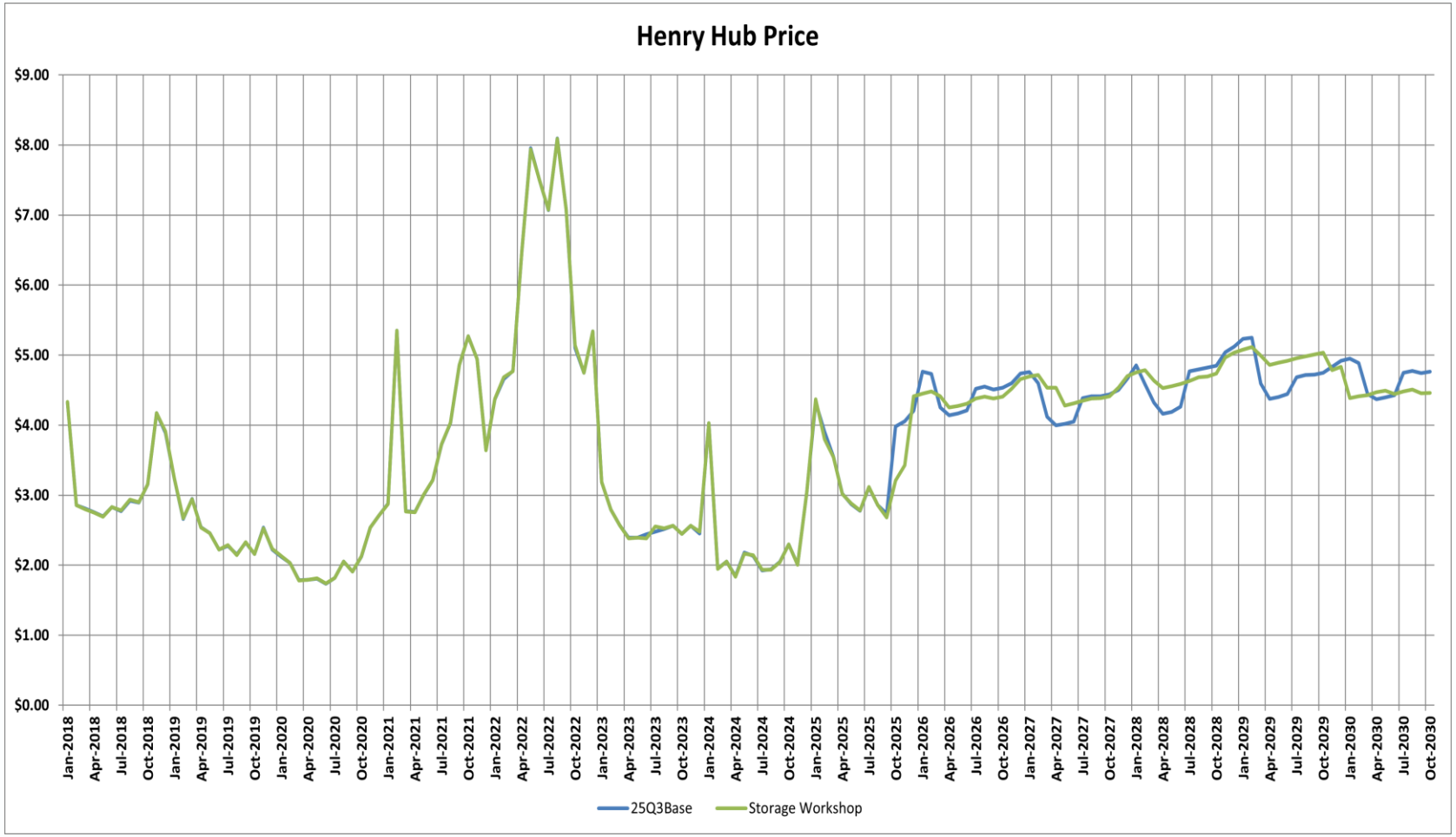
What we have done is increase the total working, injection and withdrawal capacities of our storage fields as well as the plan for how they operate in the future.



# Storage Workshop

1. Days of Service
2. Increasing Storage Data
3. Increasing Storage Plan
4. Putting it all together
5. Summary

# Summary




Increasing the Storage Plan and Storage data did reduce prices in the winter and raise them in the summer, however, it was not the magnitude expected. Storage is a complicated balancing feature within the natural gas markets, in the future I wouldn't make formulaic changes to storage, instead relying on editing individual fields and projects.

# 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**