

**Delivering Energy to Improve Lives** 

# Colorado Interstate Gas 2025 Winter Preparation

December 3, 2025

#### Agenda



- Introductions
- CIG Overview
- Winter Preparedness
- Winter Weather Postings
- CIG Southern Front Range changes
- Open Customer Q&A
- Wrap-up



### **Introductions**



#### Transportation and Storage Services Department

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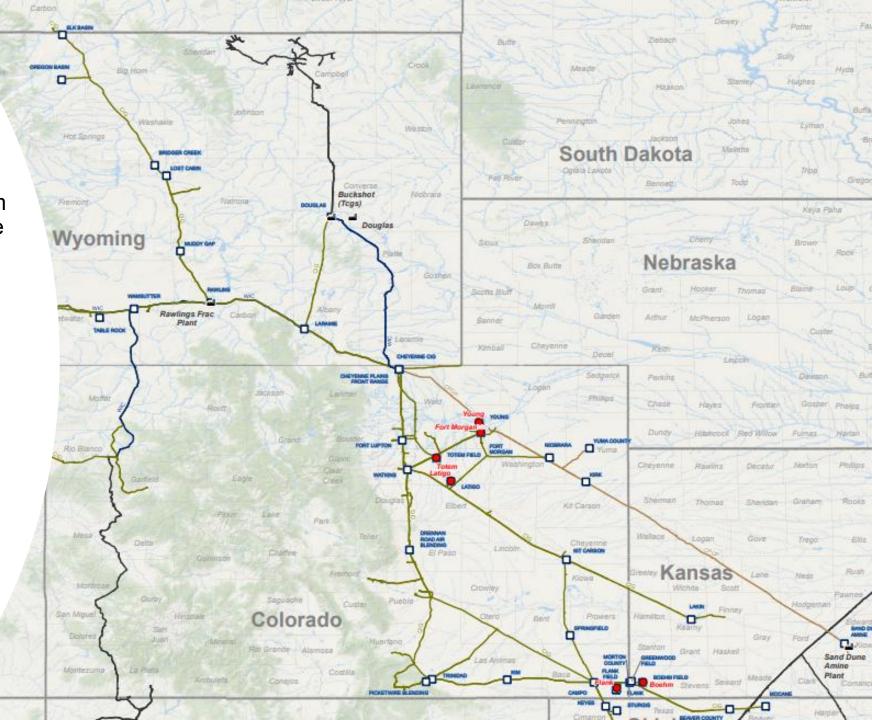


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#### **CIG Overview**

- Originally designed to bring gas from far reaching production basins to the Front Range
  - Today 90% of supply is from the DJ
- Low pressure system No-Notice Transportation (NNT) relies on system line pack and four storage fields
  - Fort Morgan
  - Latigo
  - Boehm
  - Flank
- High Plains system transportation storage balancing provided by two storage fields
  - Totem
  - Young





# Winter Preparation



#### Air Blending Facilities

- Ready for winter service no later than October 31
- Critical valves inspected and serviced
- Btu measurement tested for proper operation (including spares)
- Dehydration
  - Dry filter replacement
  - Heater operation verification and switch to standing pilot
  - Light Boilers for freeze protection and check circulation
- Electric heat trace on and operational
- Air compression inter-stage fin fan louvers inspected



#### Compressor Stations

- Heaters inspected and activated
- Boiler systems inspected for leaks and proper circulation
- Piping/equipment heat trace tested, and insulation inspected
- Engine/compressor Hot Start equipment on and working
- Critical spare parts inventory or availability
- Emergency generators started and power transfer tested
- Storage tanks prepared for product handling
- Air dryer systems checked and serviced
- Critical valves inspected and serviced
- Snow removal equipment inspected and tested



### Metering and Pipeline Facilities

- Regulator/relief inspection
- Critical valves inspected and serviced
- Inspect and test batteries, UPS systems (AC and DC)
- Solar Panels and gas flow computers (GFC) at main line block valves inspected
- Gas analyzer supplies checked/replenished
- Inspect/change desiccant in power gas dryers



### Communication Systems

- Two-way radios tested
- Cell phone batteries and chargers operating properly

#### Telecom Microwave Sites

- Chargers, batteries, building HVAC equipment inspected
- Backup generators tested and fluid levels inspected
- Anti-freeze effective to -30° Fahrenheit
- Propane tanks and regulation systems functional and adequately supplied

### Winter Storm Preparation



- Pre-storm coordination conference calls between Field Operations and Gas Control
  - Discuss areas of focus
  - Establish communication avenues for employees to convey intentions before, during, and after storms
  - Establish manning of key facilities including those that may not be accessible after a storm



## Winter Weather Postings

### **CIG Cold Weather Posting Process**



#### CIG Cold Weather Posting Process and Response to DJ Supply Failures

- Weather Forecast Triggers
  - single day with highs in the teens, lows single digit to sub-zero
  - sustained multi-day winter weather conditions
  - interconnecting pipeline cold weather postings
- By 5am each day
  - Gas Control compiles list of underperforming receipts
- Postings
  - List underperforming receipts and associated scheduling caps to drive receipt/delivery balance

### **CIG Cold Weather Posting Process**



- 1. Cold Weather Notice posted 3-5 days in advance of cold weather
  - States CIG will cap underperforming receipts at the next available cycle during the cold weather period
  - NEW CIG and Young will suspend authorized overrun withdrawals and interruptible storage withdrawal prior to when the winter weather is projected to enter the region
- Strained Operating Condition Notice coupled w/ Performance Cap Notice on underperforming receipts
- 3. Critical Condition Notice
- 4. Operational Flow Order
  - System at grave risk, may require very specific flow orders
  - Examples
    - "Shipper A must provide Y MDth/d supply at Flying Hawk"



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# **CIG Southern Front Range**

#### **Objectives**

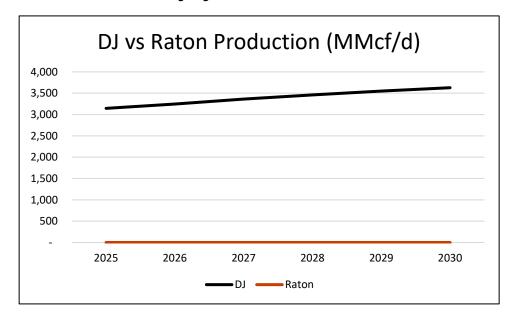


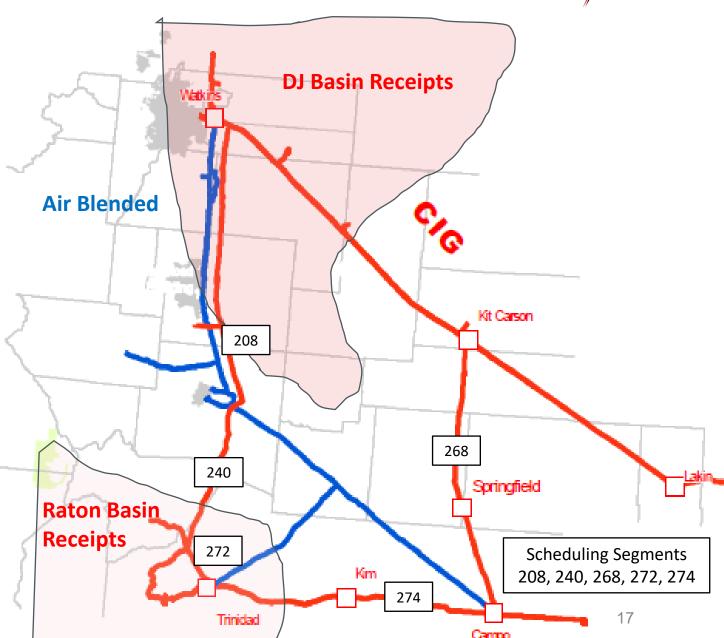
- Southern System Orientation
- Raton Basin decline
- Southern system today
- Southern system 2027 and beyond
- Impact to Receipt and Delivery Location Operators

### Southern System Orientation Map



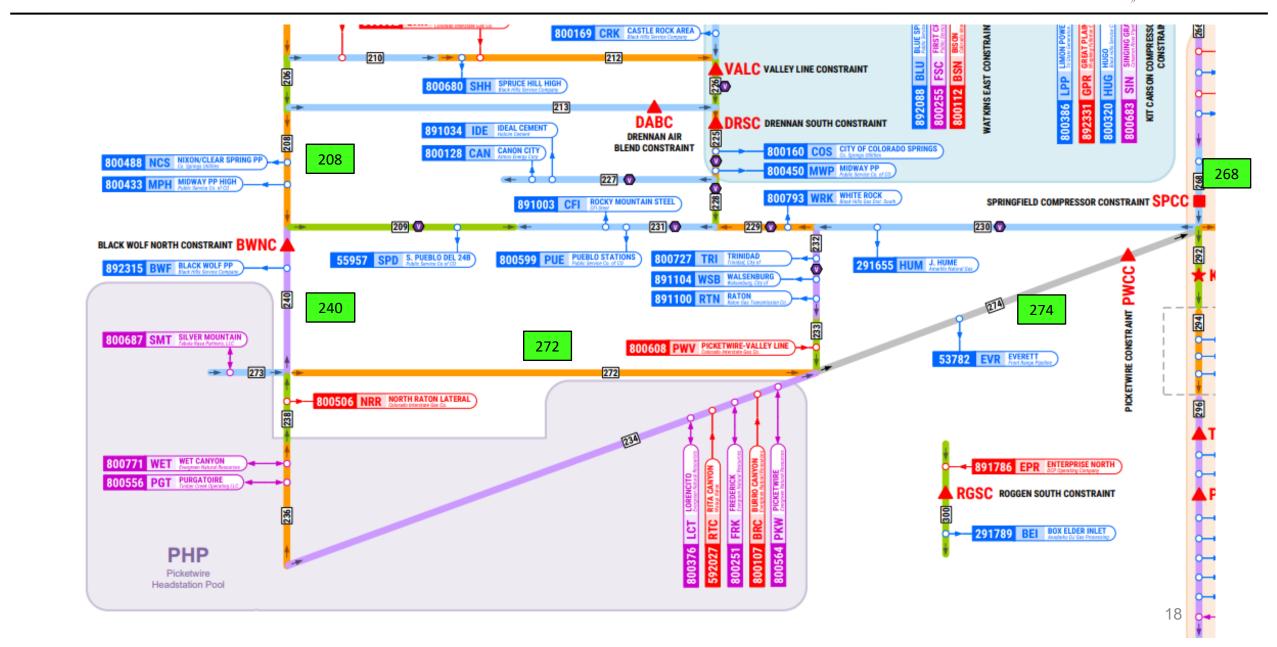
- CIG Southern Front Range of Colorado system
  - Scheduling Segments
  - 208, 240, 268, 272, 274
- DJ Basin is projected to add the volumetric equivalent of a Raton basin every year





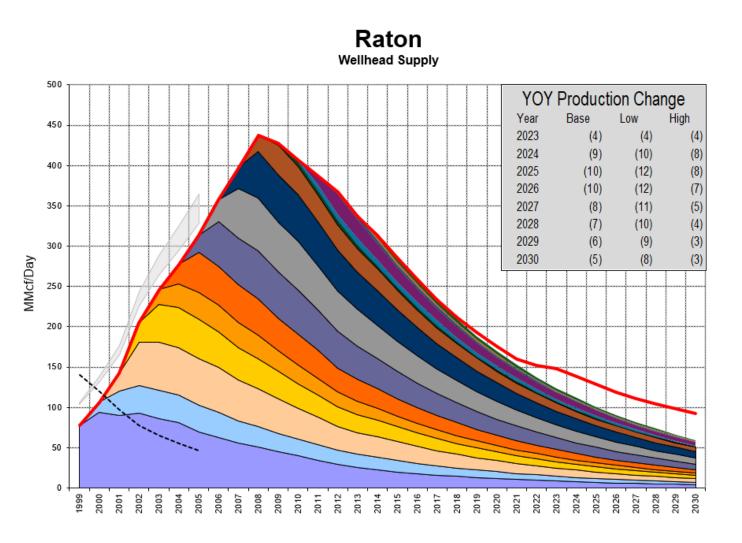
### CIG Southern Front Range Scheduling Map





#### **Raton Basin Decline**



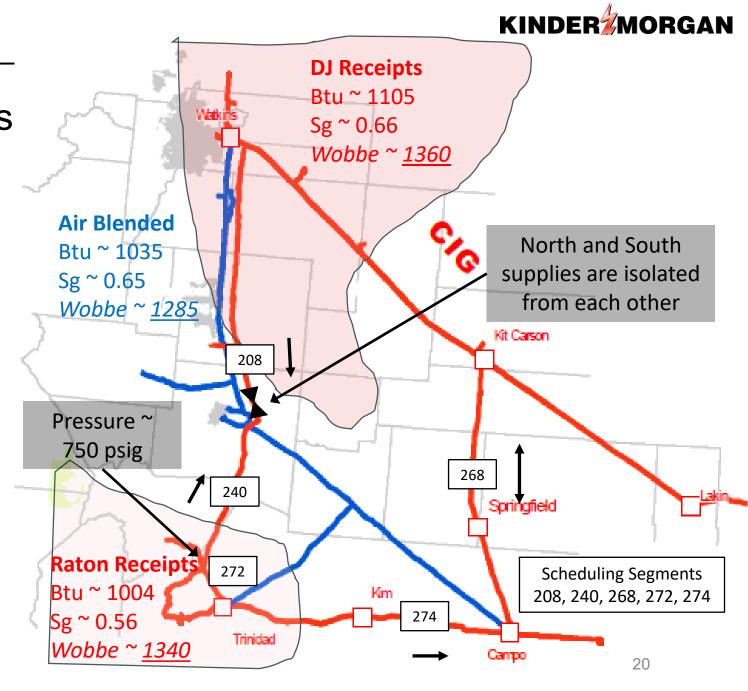


	Base	Low	High		
	Production	Production	Production		
Year	MMcf/d	MMcf/d	MMcf/d 140 132 125 120 116		
2024	139	138			
2025		125			
2026		<mark>113</mark>			
2027	111	<mark>102</mark>			
2028	104	92			
2029	98	83	113		
2030	93	75	111		

- Chart reflects wellhead supply
- Today, CIG receives the average of the "Low" case for 2026-2027 (~108 MMcf/d) so by 2027 anticipate ~87 MMcf/d

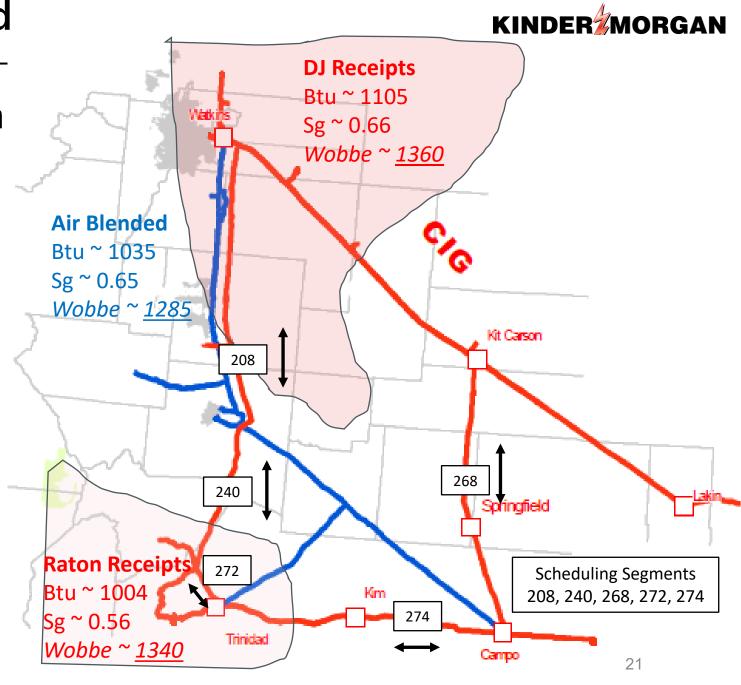
Today

- 208 southbound largely meets demand except Pueblo area power plant seasonally schedules gas from Raton northbound on 240
- DJ and Raton supplies isolated for the power plant due to gas quality differences
- Raton receipts see pipeline pressures ~750 psig



### Early-Mid 2027 and Beyond

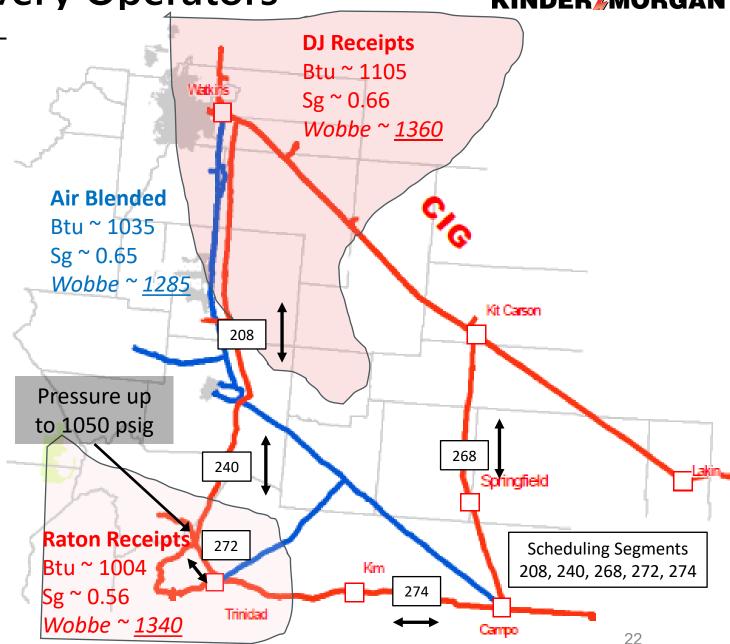
- 208 and north demand growth require supply from 268|274
- As Raton declines, 240 over the years will be backfilled with DJ gas following the path 268|274|272



Impact to Receipt and Delivery Operators

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- Raton receipt location operators will see pipeline pressures up to 1050 psig but in years to come up to 1150 psig
- The "null" point or interface between DJ and Raton quality gas will traverse 208 and 240 depending on demand
- Delivery location operators on 208 and 240 must be prepared to receive gas with varying gas quality characteristics



#### Representative Gas Quality



TSP	TSP Name	Gas Flow Start	Gas Flow End					
6914865	COLORADO INTERSTATE GAS CO.	10/8/2025	10/8/2025					
Location	Location Name	Gas Flow Date/Time	Cricondentherm Hydrocarbon Dew Pt oF		% Nitrogen %	Heating Value Btu/c	f Wobbe Index (	Oxygen PPM
892115	CIG/CIG WATKINS RAW GAS ANNUBAR ARA	10/08/2025 09:00:00 AM	-28	2.4409	0.4723	1104.5460	1363.1177	
892124	CIG/CIG SEG CAMPO JCT - CAMPO LAT B	10/08/2025 09:00:00 AM	-114.5040	0.5795	0.5244	1003.7070	1337.8004	1.1795

Gas quality data is updated daily at 4:00 p.m. and 7:00 a.m. for the previous gas day.

Cricondentherm Hydrocarbon Dewpoint is calculated using the Peng-Robison equation of state; utilizing best available gas quality data consisting of N2, CO2, C1 through C6+ hydrocarbon components, an industry standard split of C6 through C8 hydrocarbon components (actual measured split through C10 is used if available).

<u>Informational Postings :: Colorado Interstate Gas Company, L.L.C.</u>

<sup>\*</sup>This data represents mainline gas quality, consistent with the NAESB standards. Data points are daily averages available at the time of this posting and are subject to change. This data may not represent the gas quality at individual receipt or delivery points, as varying flow rates, flow direction, blending, upstream processing and other factors can affect gas quality at such points. Tariff gas quality specifications and any posted gas quality provisions are enforced at individual points.



# Thank you