

2025-2026 IRP Technical Conference

Docket No. 25-057-02

March 4, 2025



2025-2026 IRP Schedule



March 4, 2025

- Review IRP Standards and Guidelines
- Review 2024 UTPSC Order regarding IRP
- Transportation and Storage Planning
- Gas Supply Hedging
- Supply Sourcing – Volumes and Locations

April 10, 2025

- Heating Season Review (LNG)
- IRP Project Detail Discussion
- Hydrogen
- Rural Expansion Update
- System Integrity

May 6, 2025

- RFP Review (Confidential)
- Long-Term Planning
- Wexpro Matters (Confidential)
- Data Center Update

July 15, 2025

- Final Presentation

IRP Standards and Guidelines (2009)



Guideline	Update
Changes to customer growth models	IRP Report – Customer & Gas Demand Forecast Section
Changes to linear programming optimization (LPO) model (SENDOUT)	IRP Report – Final Model Results Section
Changes to DSM models	IRP Report – Energy Efficiency Section
Supply/demand forecasts, SENDOUT and DSM results	IRP Report – Customer & Gas Demand Section
Gas quality and gas storage issues	IRP Report – Gathering, Transportation, & Storage Section
Changes to Gas Network Analysis (GNA) models	IRP Report – System Capabilities and Constraints
GNA model results	IRP Report – System Capabilities and Constraints
Integrity management issues	IRP Report – Integrity Management Section
Other issues	Scheduled as needed

Review of 2024 PSC Order Regarding IRP



- Per the Utah Public Service Commission Order, dated November 6, 2024:
 - *“2024 IRP, the comments and recommendations submitted by DPU and OCS, EGU’s reply comments, and given the lack of opposition, we conclude the 2024 IRP generally complies with the Standards and Guidelines.”*

2024-2025 IRP Outline



- Executive Summary
- Introduction
- Customer and Gas Demand Forecast
- System Capabilities and Constraints
 - Long-Term Planning
- Distribution System Action Plan
- Integrity Management
- Environmental Review
- Purchased Gas
- Cost-of-Service Gas

Gathering, Transportation, and Storage
Supply Reliability
Sustainability
Energy Efficiency
Model Results
Guidelines
Appendix
Glossary

January 14, 2025 Stakeholder Meeting



- Attended by representatives from EGU, the Office, and the Division
- Data Centers
 - > Office requested more detail on the requests we have received (May 6 Tech Conference)
- Opposing Trends
 - > Office requested trend towards carbon-free energy economy vs. demand for energy (Included in IRP)
- Long-Term Planning
 - > Questions on 720 psig corridor (May 6 Tech Conference)
- IRP Variance Report
 - > DPU expressed concerns about timing of variance reports (Parties recommend post Sep comment date)
- Wexpro Production Reports
 - > DPU recommended separating forecasted percentage into winter months (Nov – Mar) vs. summer months
- LNG Usage
 - > Discussion around when facility will be used – supply reliability, price spikes, maintenance (Apr 10 Tech Conference)

Transportation & Storage Planning

Steve Wall

Cost-Efficient



Reliable

**Firm Transportation
Capacity**

Magna LNG

**Access to Diverse
Supply Points**

Storage Capacity

Hedging

Storage Contracts



	MountainWest Pipeline				Spire Storage			
	Contract #	Capacity	Deliverability	End Date	Contract #	Capacity	Deliverability	End Date
Firm Storage	*Clay Basin #997	3,727,500	31,063	3/31/30	QUES02342S	2,000,000	*22,000	3/31/29
	Clay Basin #988	3,727,500	31,063	4/30/27				
	Clay Basin #935	5,964,000	49,700	4/30/29				
	MWP FSS Total	13,419,000	111,826		Spire FSS Total	2,000,000	22,000	
	*Previous end date was 3/31/25. Recontracted in October 2024				*Once total inventory is below 30% ratchets down to 4,400 dth/d MDWQ			
	Contract #	Capacity	Deliverability	End Date	Contract #	Dth/day	End Date	
Peaking Storage	*7507	1,928,368	184,625	8/31/28				
	MWP PKS Total	1,928,368	184,625					
	*Used to be 3 separate contracts for each aquifer. For simplification all were combined into 1 contract. Terms remained the same							

Long Term Transportation Planning

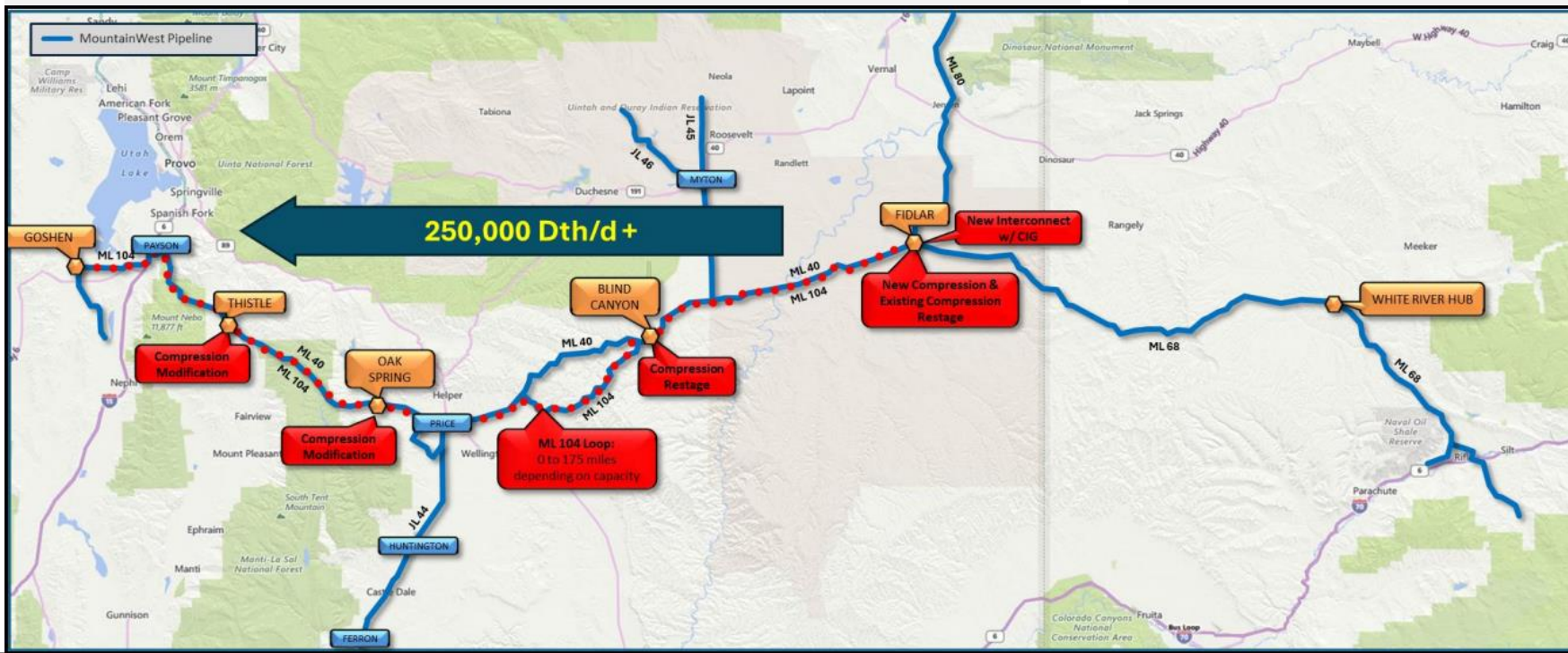


MountainWest Pipeline

- **Fidlar Expansion Project (Nov 1, 2028)**
 - Wexpro production growth area
 - Access to Uintah Basin Production
 - Access to White River Hub
 - Deliveries to Goshen & Payson Gate

Northwest Pipeline

- **Precedent Agreement (PA)**
 - 25,000 dth/d for 10 years
 - Access to Stanfield, OR
- **Continuing to Consider Options for Diversifying Supply**





Spire Storage West

- Future Ruby Station could facilitate takeaway capacity from Spire facilities
- We will continue to work with Spire and participate in future open seasons



Magnum Storage

Ongoing Discussions

- Facility development
 - Pipeline facilities required



MountainWest Pipeline

Ongoing Discussions

- Expansion of existing Aquifer facilities
 - Provide more wd & Inj capability
 - 42,375 wd
 - 20,000 inj



Enbridge Developed Storage

- Looking into the possibility of using depleted wells as storage options

Long-Term Storage Planning



Spire Storage Salt Plains

Not Currently Viable

- Capacity constraints between Oklahoma and existing capacity



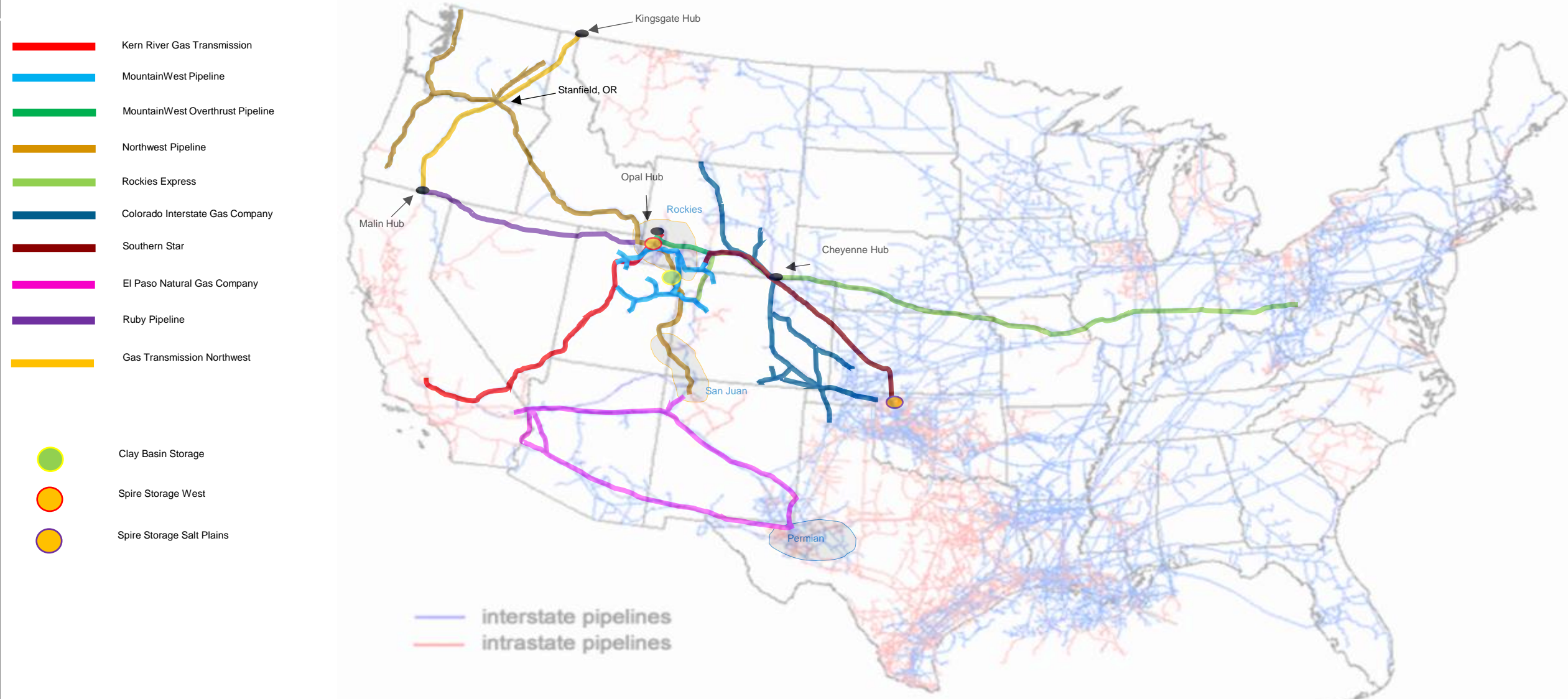
Jackson Prairie

No Available Capacity

DEUWI Will Continue to Review All Viable Capacity Options

Will be prepared to respond to open seasons as they become available
Available capacity may come from new projects or turned back capacity

Western Pipelines and Storage



Source: U.S. Energy Information Administration, *About U.S. Natural Gas Pipelines*

Gas Supply Hedging

Steve Wall

Considerations for 2024-2025 Supply Hedging



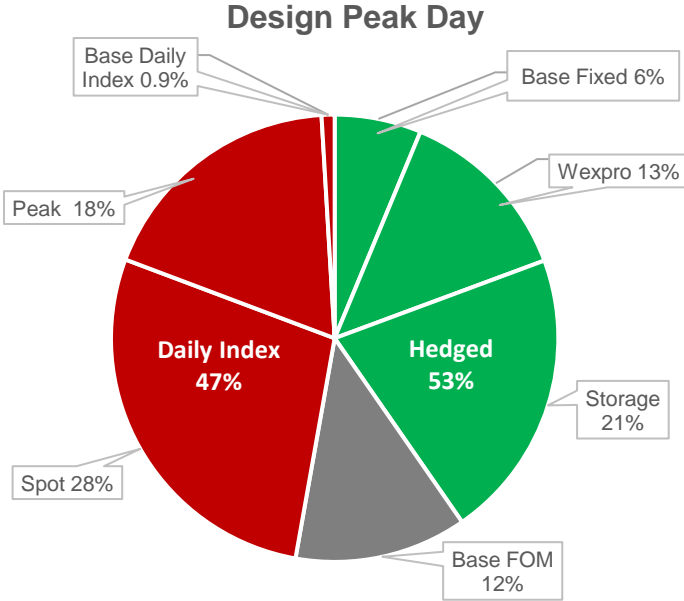
- Continue to work to increase Wexpro cost-of-service production
- Explore additional storage contracts
- Reduce first-of-month (FOM) priced baseload exposure
- Diversify FOM index locations to avoid constraints
- Secure reliable supply at key locations

Supply Exposure – 2023-2024 vs. 2024-2025

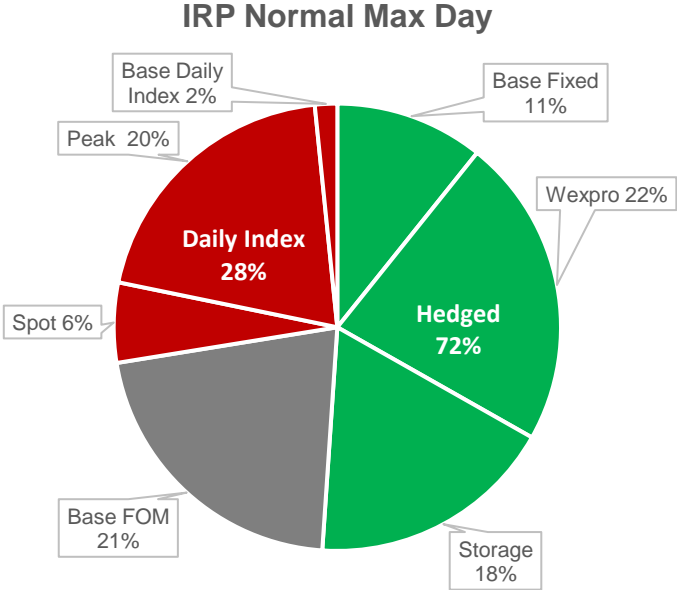


	23-24 Heating Season	% of Baseload	24-25 Heating Season	% of Baseload	Difference	Percent Difference
Fixed Price	84,000	31%	80,000	29%	(4,000)	-2%
Daily Index	45,450	17%	12,000	4%	(33,450)	-12%
Monthly Index	140,000	52%	181,950	66%	41,950	14%
NWRx	55,000	20%	96,950	35%	41,950	15%
Socal	30,000	11%	0	0%	(30,000)	-11%
CIG	55,000	20%	85,000	31%	30,000	11%
Baseload Total	269,450		273,950		4,500	2%
Peaking Deals Total	143,542		234,000		90,458	
Total	412,992		507,950		94,958	

Supply Exposure – 2024-2025 (with 80,000 Dth fixed price)



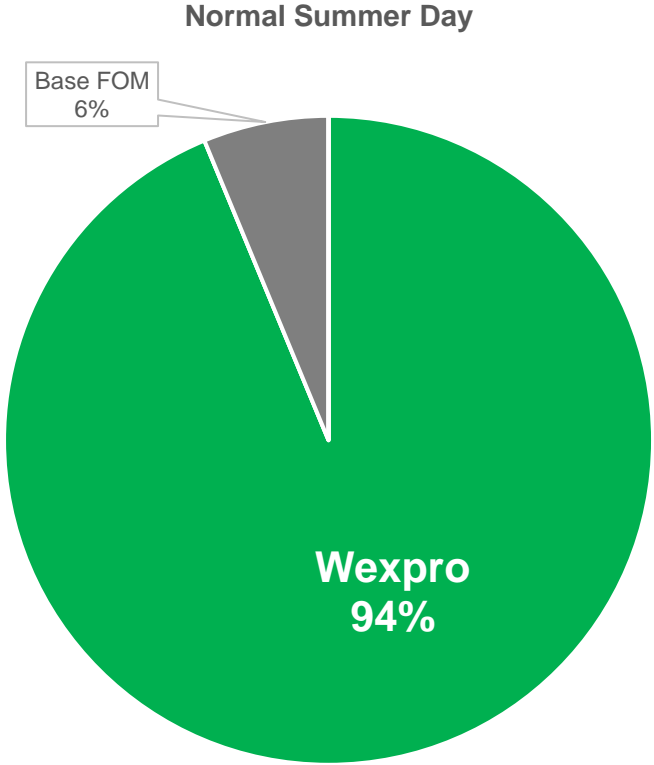
	Design Peak Day		IRP Normal Max Day	
Base Fixed	80	6%	80	10.8%
Wexpro	167	13%	167	22.4%
Storage	268	21%	133	17.9%
Base FOM	159	12%	159	21.4%
Spot	356	28%	43	5.8%
Peak	234	18%	150	20.2%
Base Daily Index	12	0.9%	12	1.6%
	1,276	100%	744	100%
Hedge	674	53%	539	72%
Daily Index	602	47%	205	28%



Supply Exposure – Summer 2024



	Summer Day	
Base Fixed	0	0%
Wexpro	150	94%
Storage	0	0%
Base FOM	10	6%
Spot	0	0%
Peak	0	0%
Base Daily Index	0	0.0%
	160	100%
Demand	90	
Storage Injection	70	
Hedge	160	100%
Daily Index	0	0%



Fixed Price & Forward Curves (7/29/2024)



- 3 Separate fixed price RFPs
 - All in August (1st, 3rd, 29th)
- Purchased 80,000 Dth/d
 - 5,000 Dth/d Nov-Feb
 - 75,000 Dth/d Dec-Feb
- Similar volumes to 2024-2025
- Procured at key locations



Source: Platts S&P Global

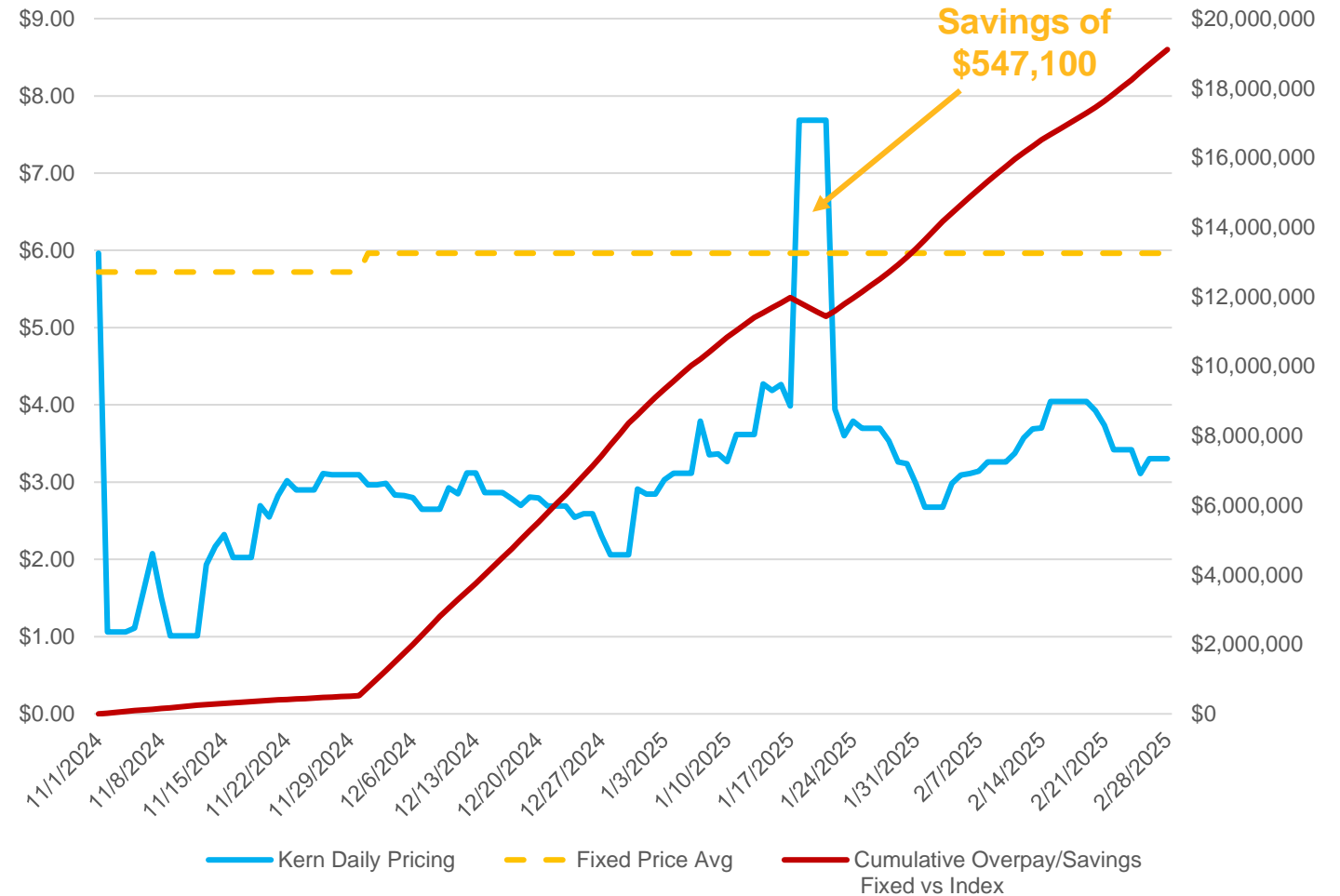
Review - Fixed Price Baseload Contracts



- Total Cost of Fixed Price Contracts
 - \$43,880,250
 - > Last year total \$56,187,950

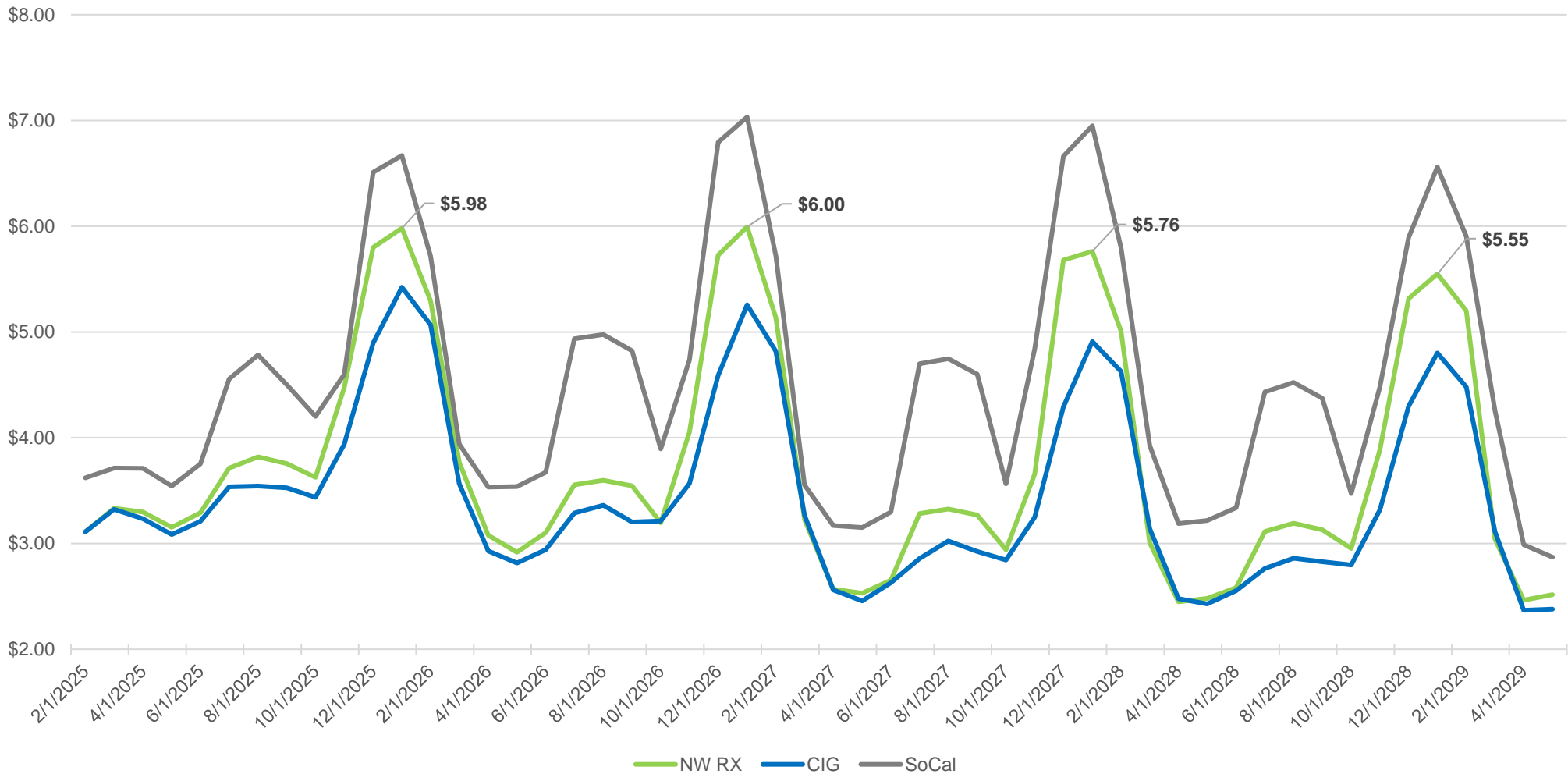
- Total Cost if Bought at Opal price
 - \$24,769,360
 - > Last year total \$29,520,960

- Fixed Cost vs Opal Price
 - \$19,110,890
 - > Last year total \$26,666,990



Source: Platts S&P Global

Forward Curves – Going Forward (as of 2/24/2024)



Source: Platts S&P Global

Other Hedging Options



Growing Wexpro Production

- Increased drilling
- Acquisitions



Fixed Price Baseload Contracts

- Continue to send out annual fixed price RFPs



Geographic Diversification

- Transportation capacity to physically access other locations
- Contracts with off-location indexes

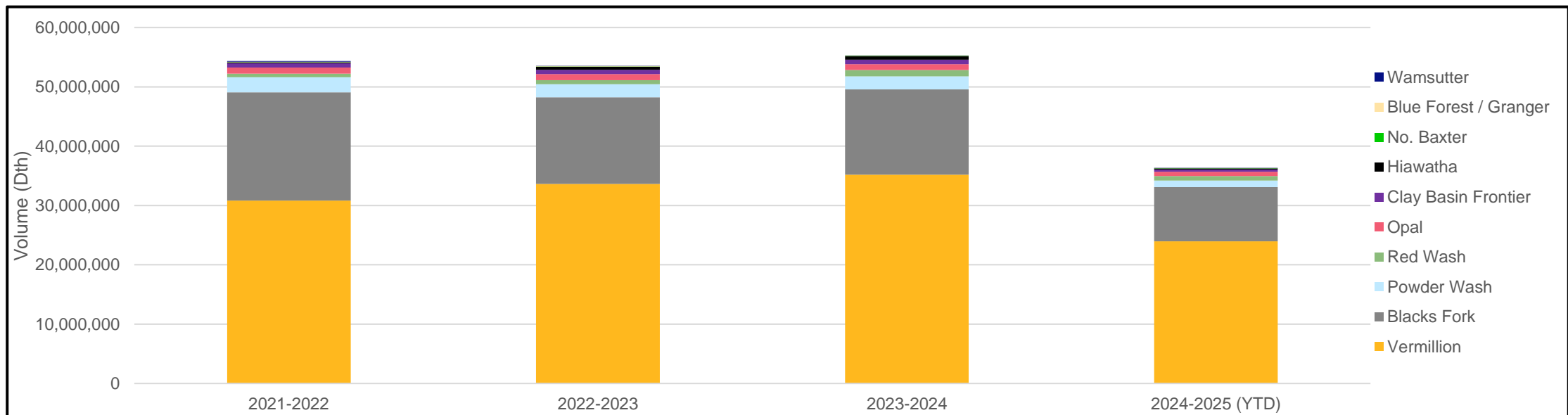
Supply Sourcing

Steve Wall

Wexpro Production by Location



Location	State	2021-2022	2022-2023	2023-2024	2024-2025 (YTD)
Vermillion	Wyoming	30,816,885	33,650,076	35,185,973	23,944,620
Blacks Fork	Wyoming	18,267,455	14,609,387	14,370,268	9,144,907
Powder Wash	Colorado	2,551,466	2,190,097	2,207,075	1,109,873
Red Wash	Utah	593,164	667,682	1,071,958	761,431
Opal	Wyoming	1,012,315	1,020,926	978,612	734,962
Clay Basin Frontier	Utah	715,349	747,794	767,405	374,829
Hiawatha	Colorado	163,510	531,082	569,970	165,523
No. Baxter	Wyoming	40,137	27,735	73,852	46,936
Blue Forest / Granger	Wyoming	65,785	67,575	61,814	41,758
Wamsutter	Wyoming	127,103	39,893	27,634	17,722
Grand Total		54,353,169	53,552,247	55,314,561	36,342,561



Purchases by Location



Location	State	2021-2022	2022-2023	2023-2024	2024-2025 (YTD)
ALTAMONT MM	Utah	0	603,344	683,693	354,000
BIG PINEY EXCHANGE	Wyoming	92,451	131,228	102,399	72,447
BLUE FOREST TAP	Wyoming	3,292,969	3,721,977	182,000	111,868
CHIPETA PLANT (REC)	Utah	126,000	1,720,528	2,895,020	1,811,300
CLAY BASIN QPC WD	Utah	3,626,211	4,597,795	1,819,989	4,159,900
CLAY BASIN RESERVOIR	Utah	100,000	1,320,000	56,500	0
DRIPPING ROCK	Wyoming	0	357,588	0	0
FT GOSHEN POOL	Utah	6,371,964	3,825,469	3,630,000	3,754,994
FT MUDDY CREEK POOL	Wyoming	13,216,646	17,962,537	13,667,814	9,719,000
HUNTER PARK - QUESTAR GAS	Utah	0	0	2,172,421	2,087,390
KANDA/COL CIG DEL	Wyoming	0	1,244,188	1,138,176	0
KANDA/COL CIG REC	Wyoming	4,142,648	2,377,634	1,660,000	1,439,000
KANDA/COL OTPL DEL	Wyoming	915,240	4,226,845	4,835,796	1,956,211
LABARGE EXCHANGE	Wyoming	21,069	27,381	35,623	13,080
OPAL PLANT TO QPC/WTNY	Wyoming	267,255	207,084	510,000	0
OTPL TO QPC X016 REC	Wyoming	880,000	929,440	984,918	0
OVERTHRUST JL 36 MS	Wyoming	3,933,701	6,992,041	6,789,145	6,109,331
QGC WASATCH FRONT	Utah	0	0	2,000	275,000
QGC/104	Utah	10,000	280,000	40,000	0
RED WASH - FIDLAR	Utah	314,600	865,753	825,000	2,997,990
RIVERTON - QUESTAR GAS	Utah	704,584	885,876	40,000	0
ROBERSON CREEK RCPT	Wyoming	80,000	0	0	0
SHUTE CREEK MM	Wyoming	4,478,115	4,122,105	2,904,148	2,048,720
VERMILLION PLT OUT	Wyoming	0	67,680	6,000	0
WHITE RIVER HUB (R)	Colorado	14,024,991	17,952,009	18,104,717	8,228,114
WIC WAMSUTTER TO QPC	Wyoming	852,636	1,333,375	873,312	306,000
XO-16 NWP REC	Wyoming	2,013,517	5,569,491	2,952,019	1,389,000
CENTRAL - QUESTAR GAS	Utah	0	0	78,000	15,000
Grand Total		59,464,597	81,321,368	66,910,690	46,833,345

Q&A
