Utah Centrally Assessed Oil & Gas Forecast 2025

Utah State Oil & Gas Valuation Team

Manager JJ Alder

Joseph Thomas

BEARTOOTH OIL & GAS COMPANY **BUZZARDS BENCH LLC** CANNON, ROBERT D COASTAL PLAINS ENERGY INC **ENERQUEST OPERATING LLC** FINLEY RESOURCES INC HOMELAND GAS & OIL INC LINN BROS OPERATING MIDDLE FORK ENERGY UINTA LLC NORTH SHORE EXPLORATION AND PRODUCTION LLC QUINEX ENERGY CORP ROBERT L BAYLESS PRODUCER LLC RUNNING FOXES PETROLEUM INC SCOUT ENERGY MANAGEMENT LLC SEELEY OIL COMPANY LLC SEP CISCO DOME II LLC SEP NOSR LLC SHINY ONE OPERATING COMPANY LLC STRONEX RESOURCES LLC SUMMIT OPERATING LLC TALL DUNE RESOURCES LLC TOC OIL INC TRUE OIL LLC **UINTAH INVESTORS LLC URBAN OIL & GAS GROUP LLC** US OIL & GAS INC WESCO OPERATING INC

WESGRA CORPORATION

Stephen Sorweid

BERRY PETROLEUM COMPANY INC CAERUS UINTA LLC **PRODUCTION** COCHRANE RESOURCES INC DELHI TRADING LLC ELK OPERATING SERVICES LLC GENESIS ST OPERATING LLC GREYLOCK PRODUCTION LLC KGH OPERATING COMPANY INC MATRIX PRODUCTION COMPANY MOOSE MOUNTAIN DIVIDE 1 LLC PO & G OPFRATING LLC RIM SOUTHWEST CORP SM ENERGY COMPANY INC SYNERGY OPERATING LLC UINTA WAX OPERATING LLC WAPITI OPERATING LLC WEXPRO COMPANY WOLVERINE OPERATING COMPANY OF UTAH

Rachael McIntire

ANSCHUTZ EXPLORATION CORP ARB ENERGY UTAH LLC ASHLEY VALLEY OPERATING COMPANY LLC CAPITOL OPERATING GROUP HC CITATION OIL & GAS CORP COBRA OIL & GAS CORPORATION FOURPOINT RESOURCES, LLC **JAVELIN ENERGY PARTNERS** MANAGEMENT LLC MAR REG OIL COMPANY NATIONAL FUEL CORPORATION **NEGAUNEE LLC** PETRO MEX LLC PRICE RIVER ENERGY LLC UTAH GAS OP LTD LLC VAQUERO UINTA LLC WINDS EXPLORATION AND PRODUCTION LLC

What's New Since 2024

Uinta Basin Railway Project Update

Big moves in Utah's Oil &Gas Industry

New Filing Forms

Operation Gigawatt

Uinta Basin Railway Project



Uinta Basin Railway Project Updates

- 2023 Lawsuit halted the project, and approval was thrown out by the US court of Appeals.
- June 2024 Supreme Court agreed to review the case.
- December 2024 the Supreme Court heard the case to appeal the lower courts decision.
- This case could set a precedent for how federal agencies evaluate the environmental impacts of future projects
- According to a reporter from the Salt Lake Tribune, "The U.S. Supreme Court appeared open to diminishing the scope of how federal agencies consider environmental impacts"
- Backers of the project are remaining dedicated and optimistic to moving forward and working with the Surface Transportation Board and continuing to obtain necessary permits to push the project forward.

Big Moves in the Utah Industry

Acquisitions

XCL Resources Altamont Energy

SM Energy
Northern Oil & Gas← XCL Resources

Four Point Energy Cvintiv

Quantum Capital ——Caerus Oil & Gas



FourPoint Resources, Quantum Capital Group and Kayne Anderson to Acquire Ovintiv Uinta Basin Assets for \$2 Billion

November 14, 2024 | Source: Quantum Capital Group; FourPoint Resources, LLC;

08:00 ET Kayne Anderson Capital Advisors, L.P.



Quantum Capital Group Acquires Assets from Caerus Oil and Gas for \$1.8 Billion

August 19, 2024 12:00 ET | Source: Quantum Capital Group Follow





UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION Oil & Gas Income Questionnaire

2025

PT-31OGP Rev. 01/2025

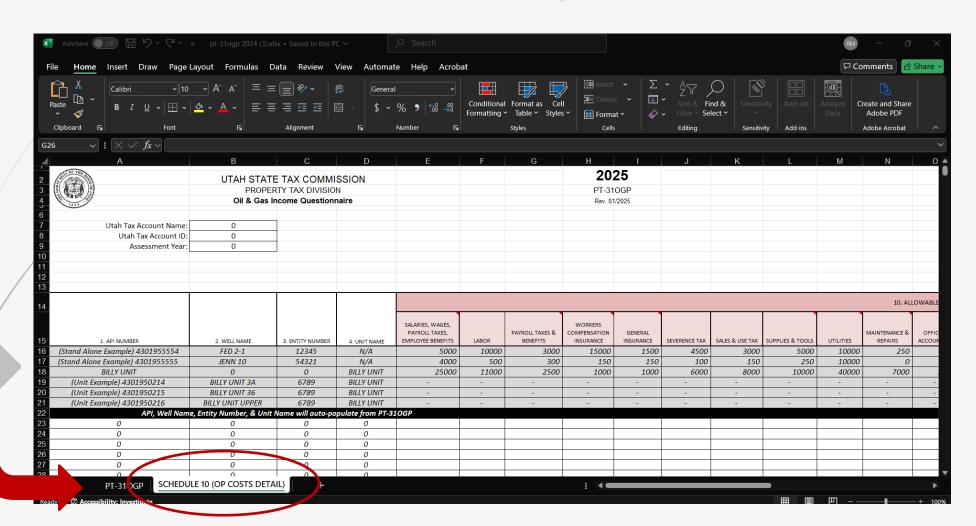
Utah Tax Account Name:	
Utah Tax Account ID:	
Assessment Year:	

(*) REQUIRED INFORMATION															1				
ALL API'S MUST BE ACCOUNTED FOR. If wells are unitized, you may enter information for the					5. NATURAL GAS					6	. NGLs				7. OIL		8. INDIAN	TAX RATES	
individual wells or the average/totals for the entire unit on one line while leaving the rest blank for that specific unit. 1. API NUMBER*	2. WELL NAME*	3. ENTITY NUMBER*	4. UNIT NAME*	5a. GROSS AVERAGE SELLING PRICE (\$/MCF)	5b. 1/1/2025 CONTRACT PRICE (\$/MCF)	5c. CONTRACT TERMS (Months)	5d. SELF CONSUMED GAS (MCF/YR)	FLARED GAS	6a. AVERAGE SELLING PRICE (\$/BBL)	6b. 1/1/2025 CONTRACT PRICE (\$/MCF)	6c. CONTRACT TERMS (Months)			7b. 1/1/2025 CONTRACT PRICE (\$/BBL)	c. CONTRACT TERMS (Months)	7d. OIL TYPE	7e. OIL GRAVITY	8a. SEVERANCE (%)	8b. PROPERTY (PIT) (%)
(Stand Alone Example) 4301955554	FED 2-1	12345	N/A	3.5	N/A	N/A	2500	700	23	26.5	60	0.014	75.25	81.15	60	Western Colorado	38	5%	N/A
(Stand Alone Example) 4301955555	JENN 10	54321	N/A	N/A	2.92	60	2000	N/A	23	26.5	60	0.0113	75.15	81.15	60	Western Colorado	27	N/A	2%
BILLY UNIT			BILLY UNIT	4	3.5	60	N/A	8000	23	N/A	N/A	0.0098	65.35	76	60	SW Wyoming Sweet	42	N/A	N/A
(Unit Example) 4301950214	BILLY UNIT 3A	6789	BILLY UNIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(Unit Example) 4301950215	BILLY UNIT 36	6789	BILLY UNIT	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
(Unit Example) 4301950216	BILLY UNIT UPPER	6789	BILLY UNIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
[START RETURN INFORMATION	BELOW THIS LINE]																		
															J				

M	9. EXEMPT ROYALTY OWNERSHIP INTEREST					OWNERSHIP INTE		10. TOTAL OPE			RTATION OF OIL	12. GATHERING OF GAS		
111						FOR OIL, GAS & NG	L	(SHE	ET 2)	(TOTAL COST / TO	OTAL BBL PRODUCED)	(TOTAL COST / TO	TAL MCF PRODUCED)	
	9a. FEDERAL (%)	9b. STATE / COUNTY / LOCAL (%)	9c. INDIAN (%)	9d. TOTAL EXEMPT (%)	9e. OIL: TOTAL EXEMPT (%)	9e. GAS:TOTAL EXEMPT (%)	9e. NGL: TOTAL EXEMPT (%)	2024 ACTUAL (TOTAL\$)	2025 ESTIMATED (TOTAL \$)	2024 ACTUAL (\$/BBL)	2025 ESTIMATED (\$/BBL)	2024 ACTUAL (\$/MCF)	2025 ESTIMATED (\$/MCF)	
	1%	5%	6%	12%	13%	17%	N/A	59650	60000	2.52	2.55	0.5	0.75	
	1%	5%	6%	12%	13%	N/A	15%	24900	21000	2.52	2.55	0.5	0.75	
	1%	5%	6%	12%	N/A	N/A	N/A	125250	165000	1.98	2	0.5	0.75	
	-	-	-	-	-	-	-	0	-	-	-	-	-	
	-	-	-	-	-	-	-	0	-	-	-	-	-	
	-	-	-	-	-	-	1	0	-	-	-	-	•	
				0%				0						

	13. PLAN								
DESCRIPTION	2025	2026	2027	2028	2029	2030	2031	14. OWNER OF GAS/OIL GATHERING SYSTEM SERVICING THIS PROPERTY	15. COMMENTS
Workover	0	25000	0	0	0	0	0	Utah First Gathering Inc	C
Workover	0	0	0	25000	0	0	0	Utah First Gathering Inc	C
Workover and Facil	15000	75000	12000	0	0	0	0	I Gather Gas LLC	
-	-	-	-	-	-	-	-	-	
-	-	-		-	-	-	-	•	
-	-	-	-	-	-	-	-	-	

If we see larger than normal Cap X being reported, we may start asking for more documentation to support those



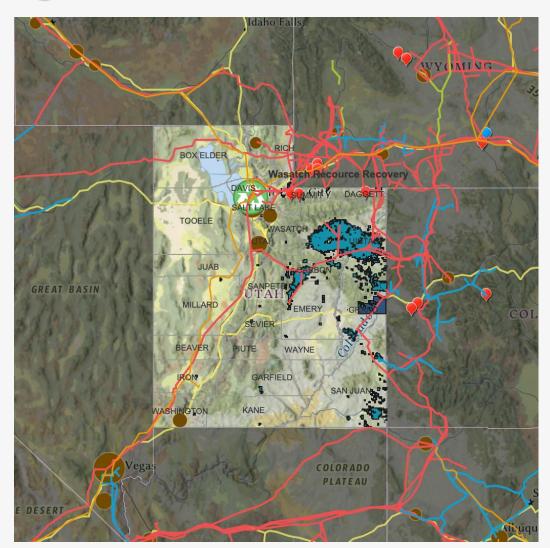
	/										
1. API NUMBER	2. WELL NAME	3. ENTITY NUMBER	4. UNIT NAME	SALARIES, WAGES, PAYROLL TAXES, EMPLOYEE BENEFITS	LABOR	PAYROLL TAXES & BENEFITS	WORKERS COMPENSATION INSURANCE	GENERAL INSURANCE	SEVERENCE TAX	SALES & USE TAX	SUPPLIES & TOOLS
(Stand Alone Example) 4301955554	FED 2-1	12345	N/A	5000	10000	3000	15000	1500	4500	3000	5000
(Stand Alone Example) 4301955555	JENN 10	54321	N/A	4000	500	300	150	150	100	150	250
BILLY UNIT	0	0	BILLY UNIT	25000	11000	2500	1000	1000	6000	8000	10000
(Unit Example) 4301950214	BILLY UNIT 3A	6789	BILLY UNIT	-	,	-	-	•	•	-	-
(Unit Example) 4301950215	BILLY UNIT 36	6789	BILLY UNIT	-	1	-	-	-	•	-	-
(Unit Example) 4301950216	BILLY UNIT UPPER	6789	BILLY UNIT	-	-	-	-	-	-	-	-

10 ALLOWA/ADL	E ODED A TIMO	CCTC	/ 2024 A CTIIA I \
IU. ALLU WADL	E OPERATING	COSIS	(2024 ACTUAL)

UTII	LITIES	MAINTENANCE & REPAIRS	OFFICE & ACCOUNTING	ENGINEERING & LEGAL FEES	PRODUCTION CHEMICALS	TRANSPORTATION (COMPANY OWNED ASSETS)	PERMITTING & REPORTING	ENVIRONMENTAL COMPLIANCE	WATER DISPOSAL			MISCELLANEOUS	TOTAL OP EXPENSE
	0000	250		0	250	•		0	1.100		0	-	59650
10	0000	0	250	100	250	200	500	500	2000	5000	500	Security costs	24900
40	0000	7000	2500	500	500	250	2000	3000	5000		0	-	125250

Operation Gigawatt

- Increased energy initiative for Utah's future
- In October 2024 Governor Cox unveiled a 10-year plan to double our energy generating capacity in Utah
- Four Key Factors
 - Increasing transmission capacity
 - Expanding and developing more energy production
 - Enhancing Utah's policies to enable nuclear and geothermal power generation
 - Investing in research and innovation to investigate potential effective energy generation resources



Product Pricing Method



Natural Gas Price Forecast 2025

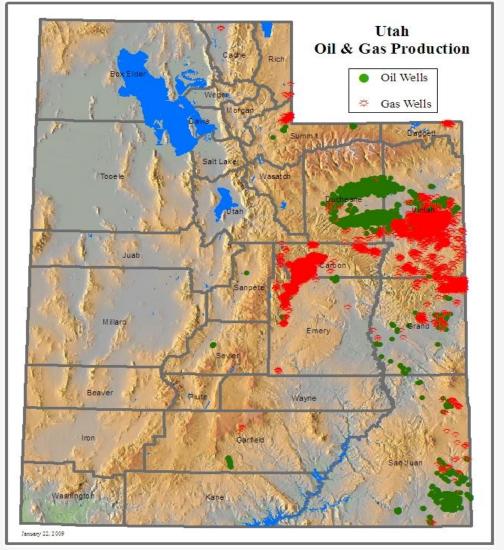
Natural Gas Pricing Factors

Data Analysis

- Supply
- Demand
- Drilling
- Production

Other Variables

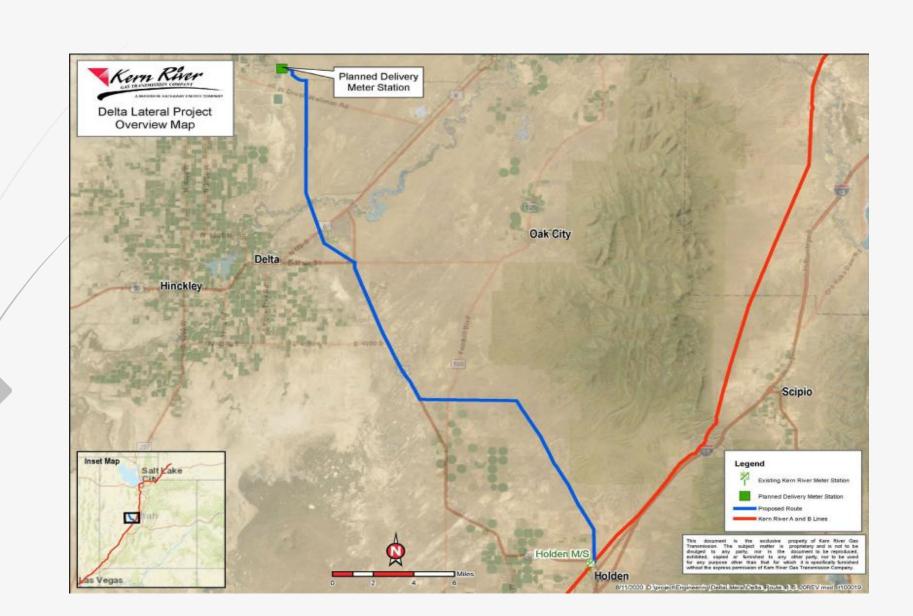
- Weather
- Economy



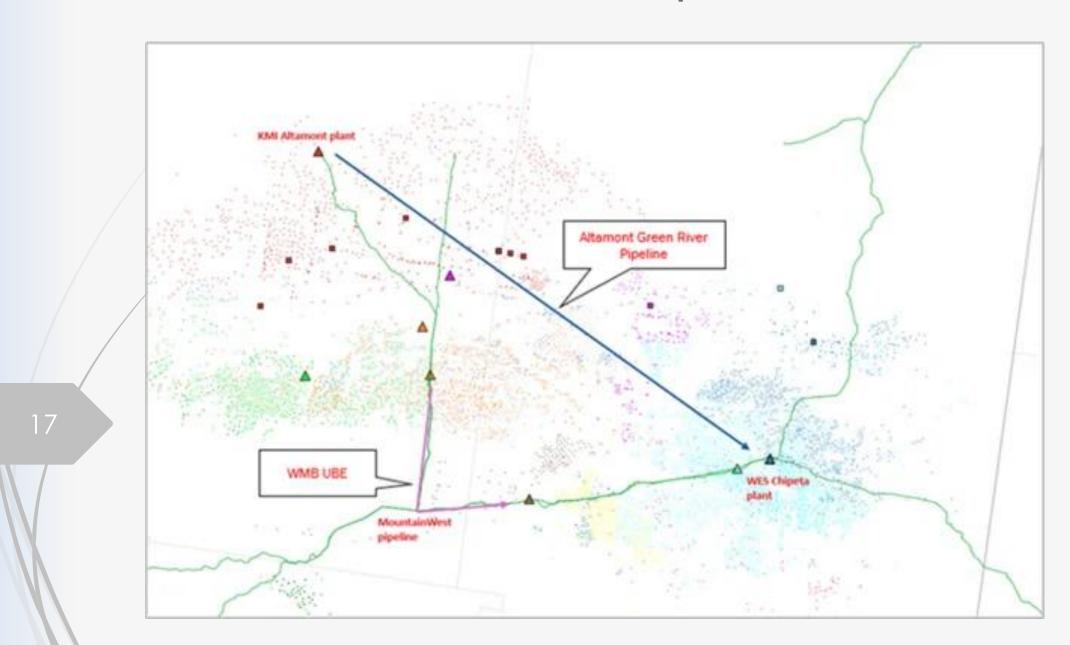
2024 Gas Recap

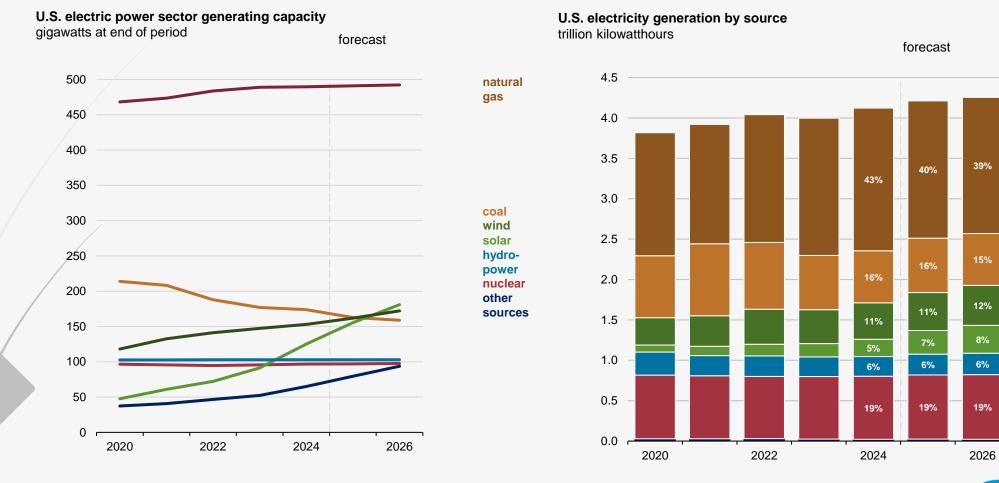
- Mild Weather Impact
- Natural gas consumption continuing to rise
- Natural gas rig count dropped from 120 to 100
- Delta Lateral Project
- Altamont Green River Pipeline
- Intermountain Power Project

Delta Lateral Project



Altamont Green River Pipeline

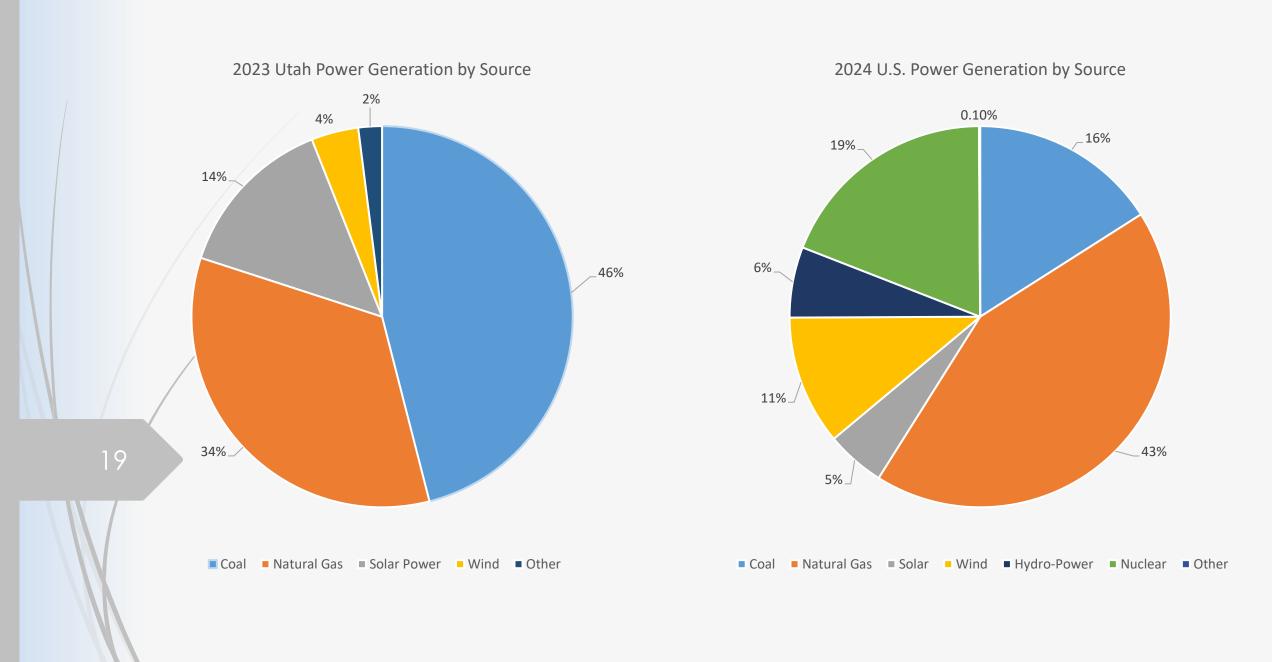




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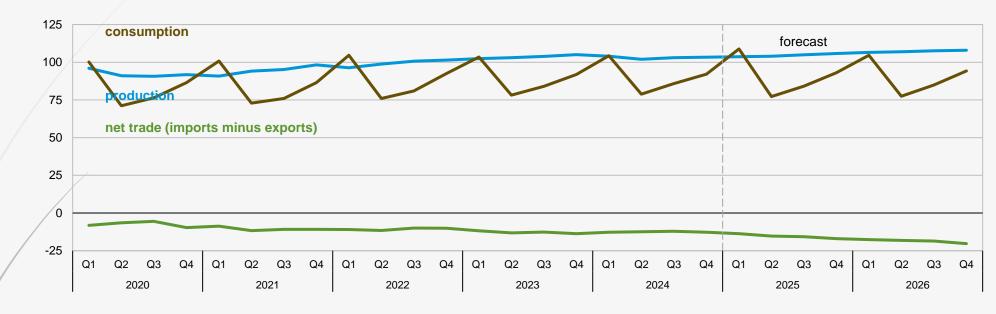
eia

Source STEO (February)



Natural Gas Storage

U.S. natural gas production, consumption, and net imports billion cubic feet per day





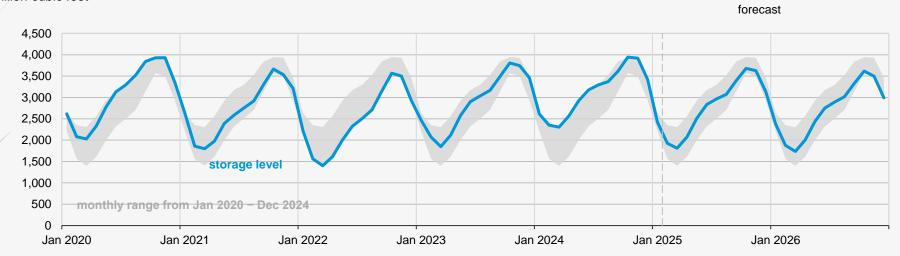
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, February 2025



U.S. Natural Gas Storage

U.S. working natural gas in storage

billion cubic feet



Percentage deviation from 2020 - 2024 average

50% 25% 0% -25%

Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, February 2025

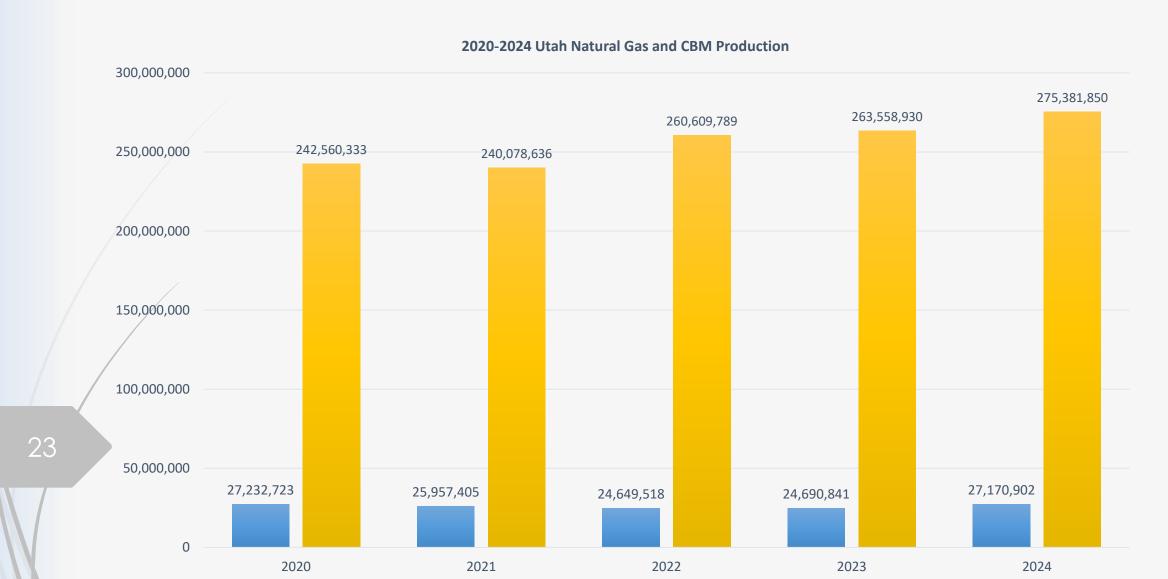




2024 Utah Current Gas Well Count

/	Utah Gas Wells Plugged by Year											
	2021 2022 2023 2024											
	79	69	84	86								

Current Utah Gas Well								
Count								
Producing								
Gas Wells	6310							
Shut-in Gas								
Wells	1173							
Total	7484							

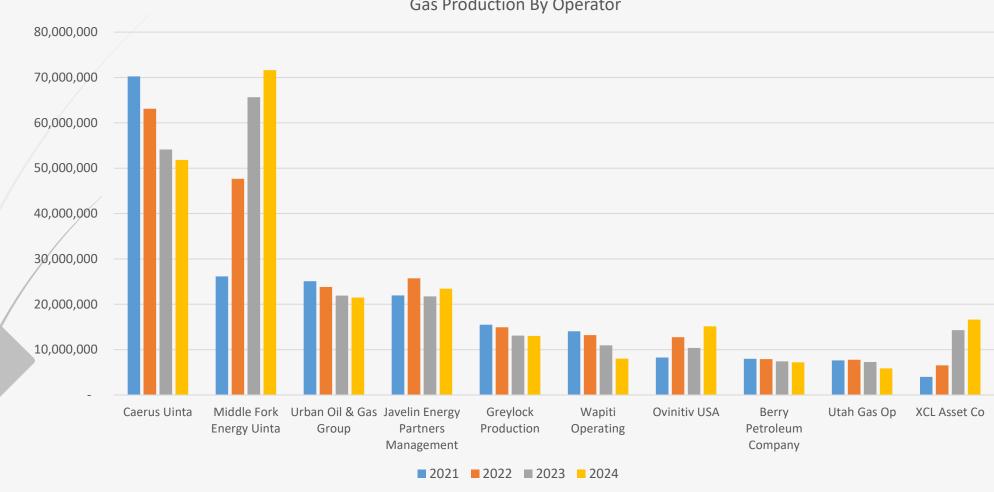


■ CBM Production ■ Natural Gas

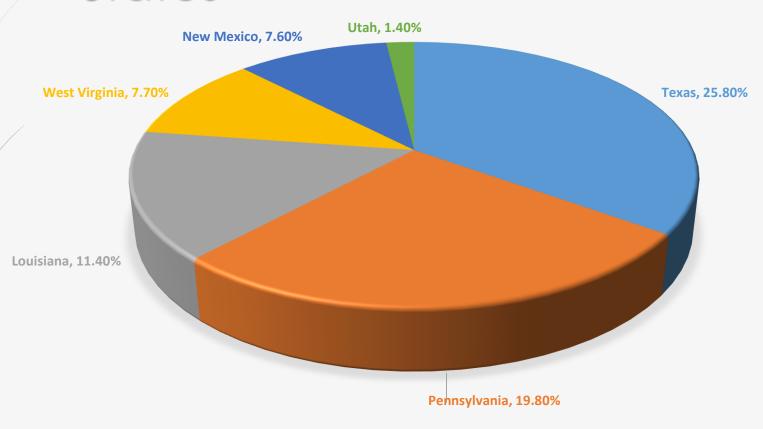
Source- DOGM (In thousands, 2024 is annualized)

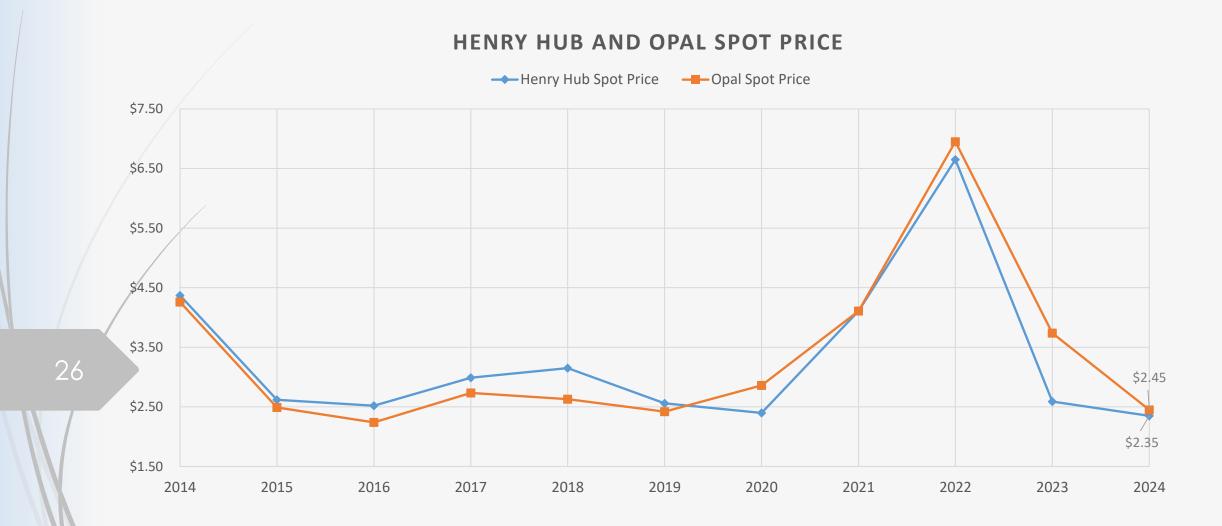
Top Gas Producers in Utah

Gas Production By Operator

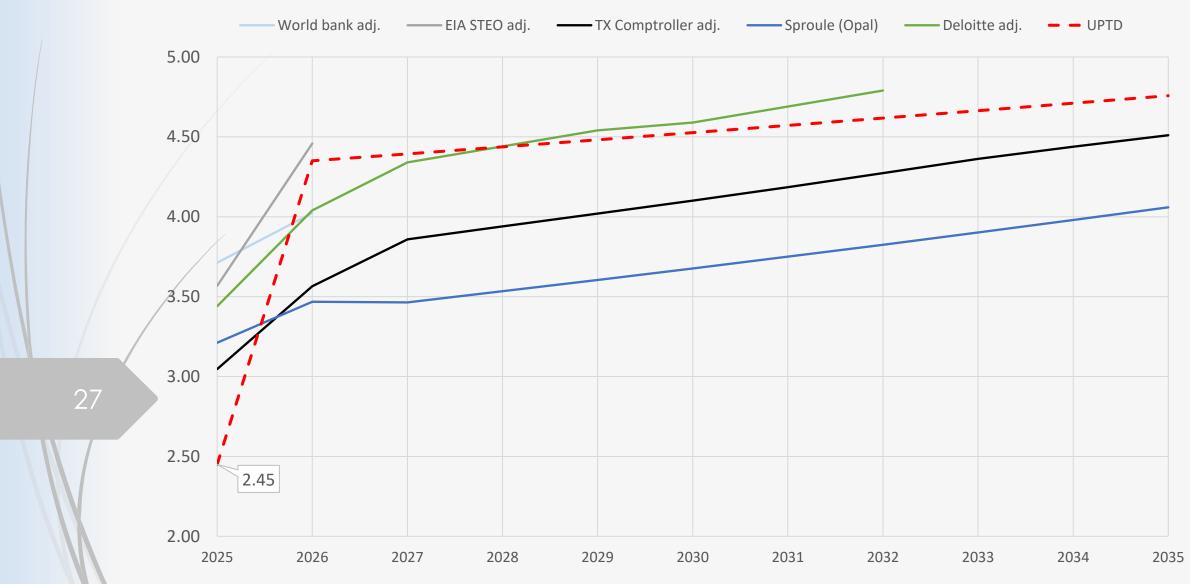


Top Natural Gas Producing States GAS PRODUCTION BY STATE





2025 GAS PRICE FORECAST ADJUSTED TO OPAL, WYOMING



2025 Gas Price Forecast

Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Start Price	2.45									
Forecast		4.35	4.39	4.44	4.48	4.53	4.57	4.62	4.66	4.71
% Change		78%	1%	1%	1%	1%	1%	1%	1%	1%

2025 Wildcards

- Weather
- U.S. drilling rig count
- Supply Storages
- Geopolitical Uncertainty
 - Russia
 - Europe
 - Canada

Oil Price Foreast 2025

Disclaimer

 Forecasted numbers are opinions of value and are subject to significant economic factors unknown or not reported as of January 1, 2025 "The only function of economic forecasting is to make astrology look respectable."

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John Kenneth Galbraith

Oil price forecasts raised as supply risks persist

By Harshit Verma

April 30, 2024 5:09 AM MDT · Updated 9 months ago









Miniatures of oil barrels and a rising stock graph are seen in this illustration taken January 15, 2024. REUTERS/Dado Ruvic/Illustration/File Photo Purchase Licensing Rights [7]

Summary

- Brent forecast raised to \$84.62 a barrel for 2024
- WTI projection lifted to \$80.46 a barrel
- · Geopolitical risk continues to vex oil markets



So...What Actually Happened in 2024

- 2024 Average Price (WTI): \$76.55
 - 1.4% decrease from 2023
 - Peaked in April at \$85, ended the year at \$70



What We Said Last Year

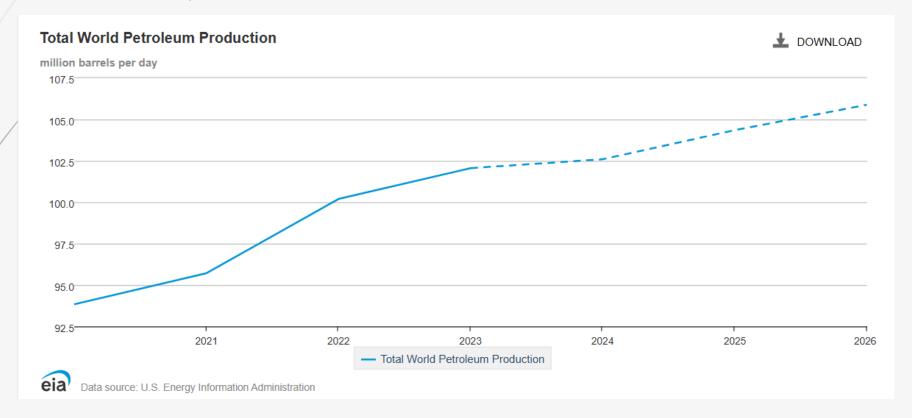
- 1. Global supply to rise
- 2. Global demand slightly decreasing
- 3. Wildcards

Middle East political tensions
Increased OPEC/Russian production cuts

4. Flat to small decline in price 2024

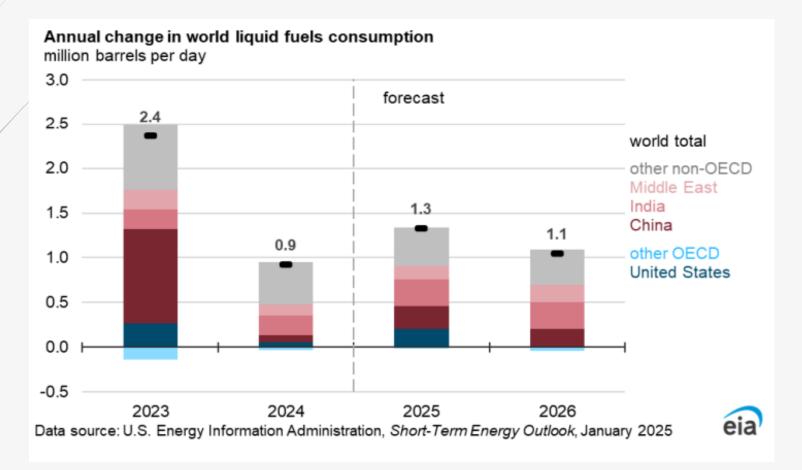
How Those Wildcards Played Out in 2024

- 1. Global Supply
 - Relatively flat in 2024



How Those Wildcards Played Out in 2024

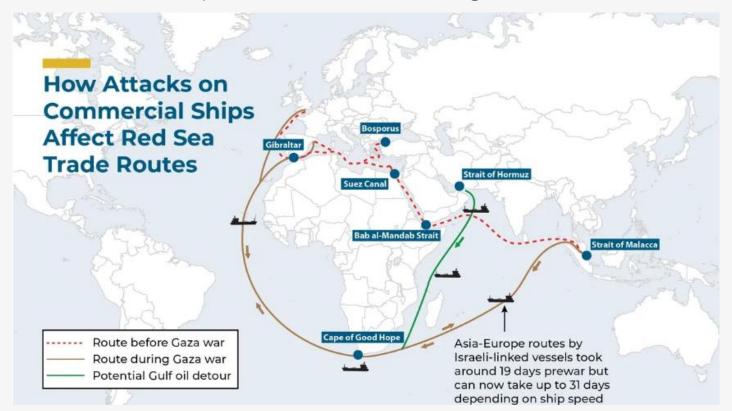
- Lower demand growth in 2024 (return to pre-pandemic levels)
- Weakened demand



How Those Wildcards Played Out in

2024 dle East Tensions

- Disruptions in Red Sea continued
 - Exporters were able to find alternative routes
- Israel retaliatory strikes on Iran did not target oil infrastructure

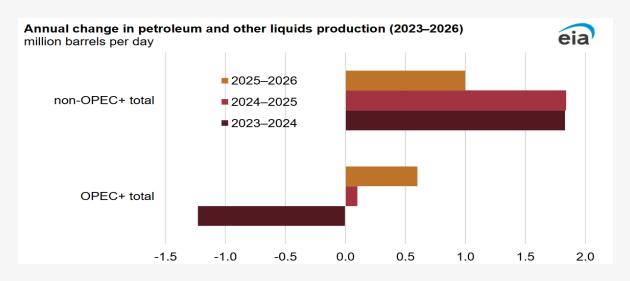


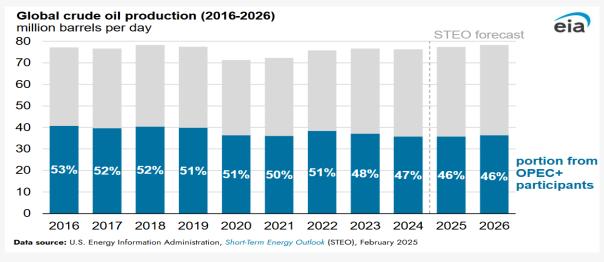
How Those Wildcards Played Out in 2024

Increased OPEC production cuts

Extension of cuts raised prices through April

 Production growth from Non-OPEC countries offset





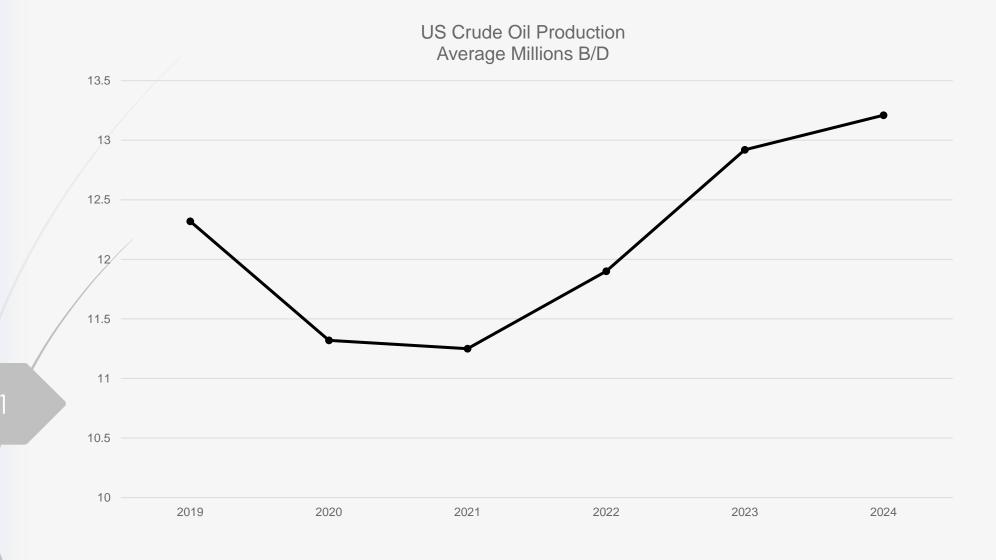
2024 Summary

- Weakening demand (slow growth worldwide)
- Continued OPEC production cuts
- Continued US production growth
- Geopolitical issues avoided
- Generally balanced market

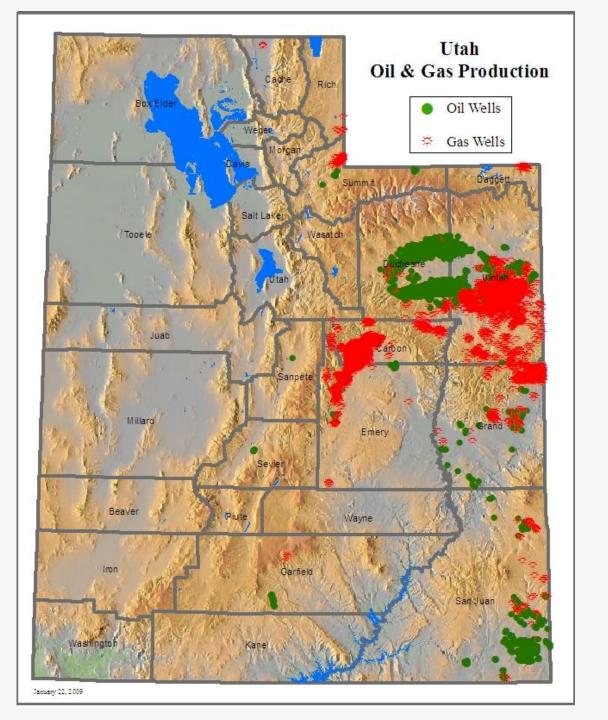


Oil price stability in 2024

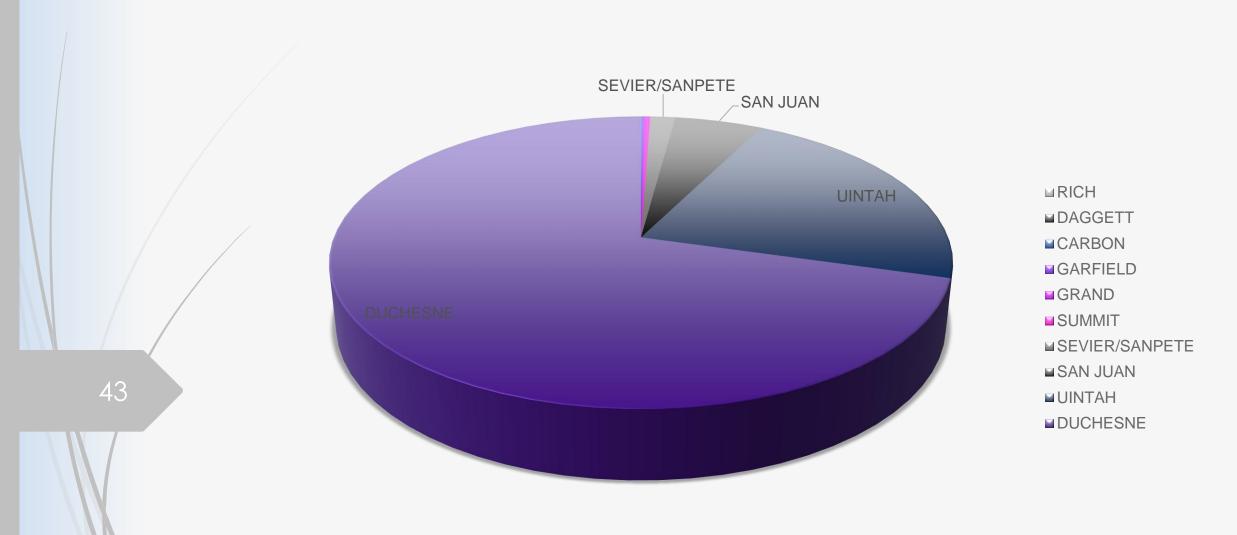




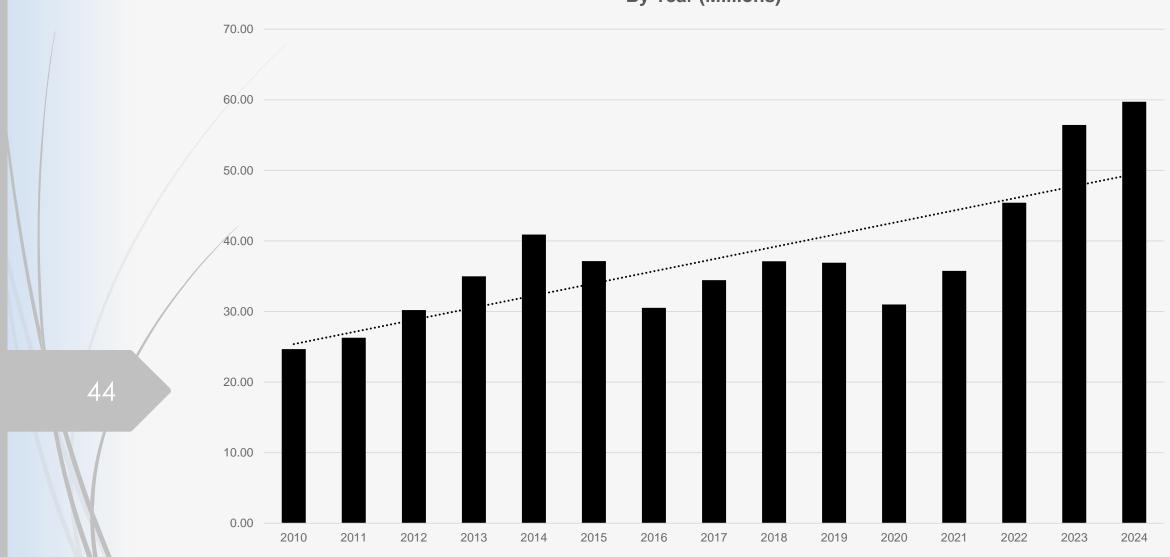
Current Oil & Gas Production Map

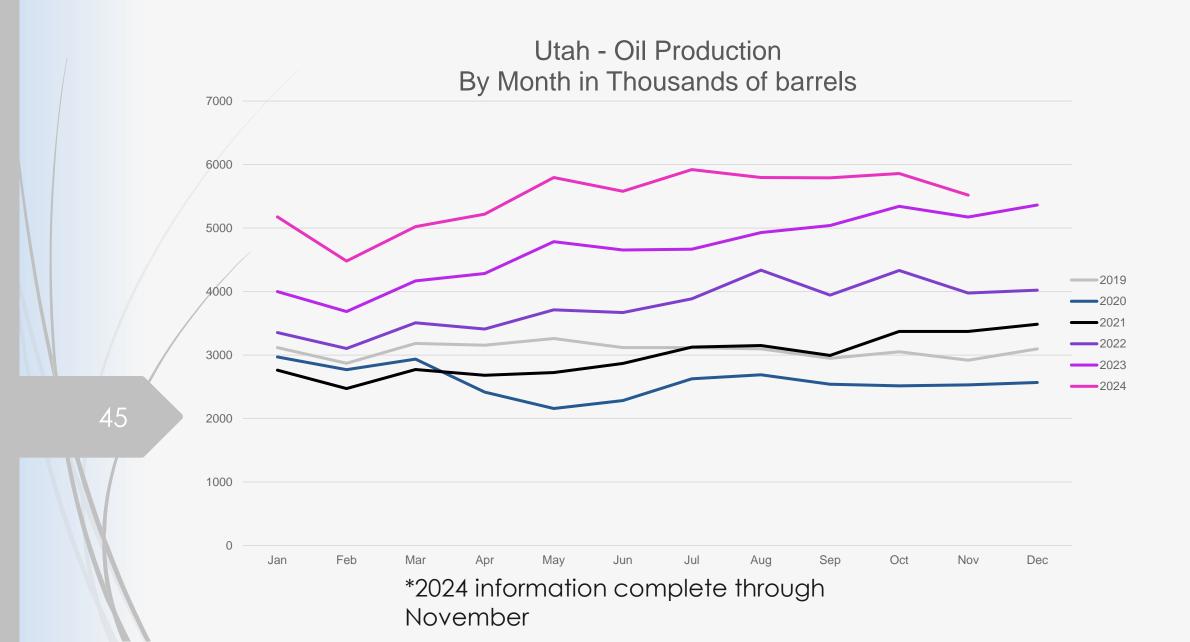


2024 Oil Production By County (BBLs)

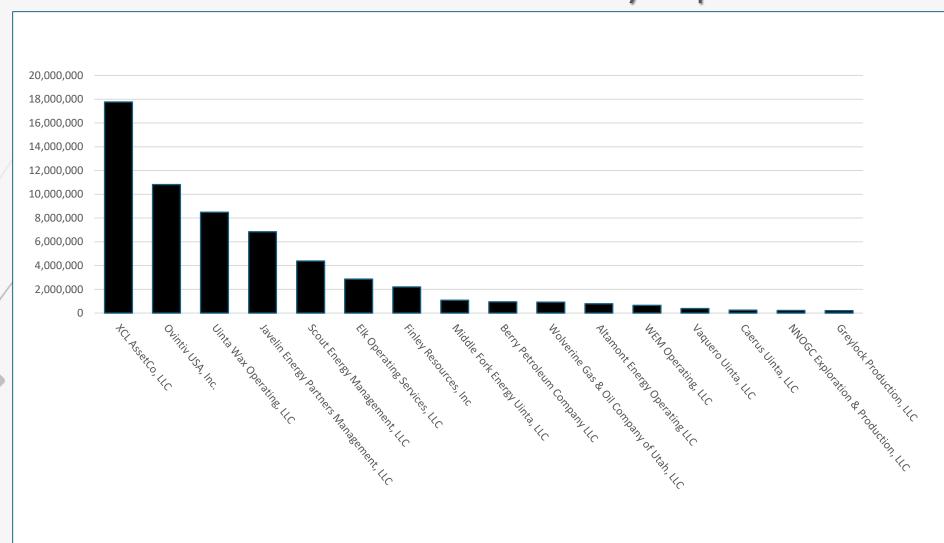


Utah - Oil Production By Year (Millions)

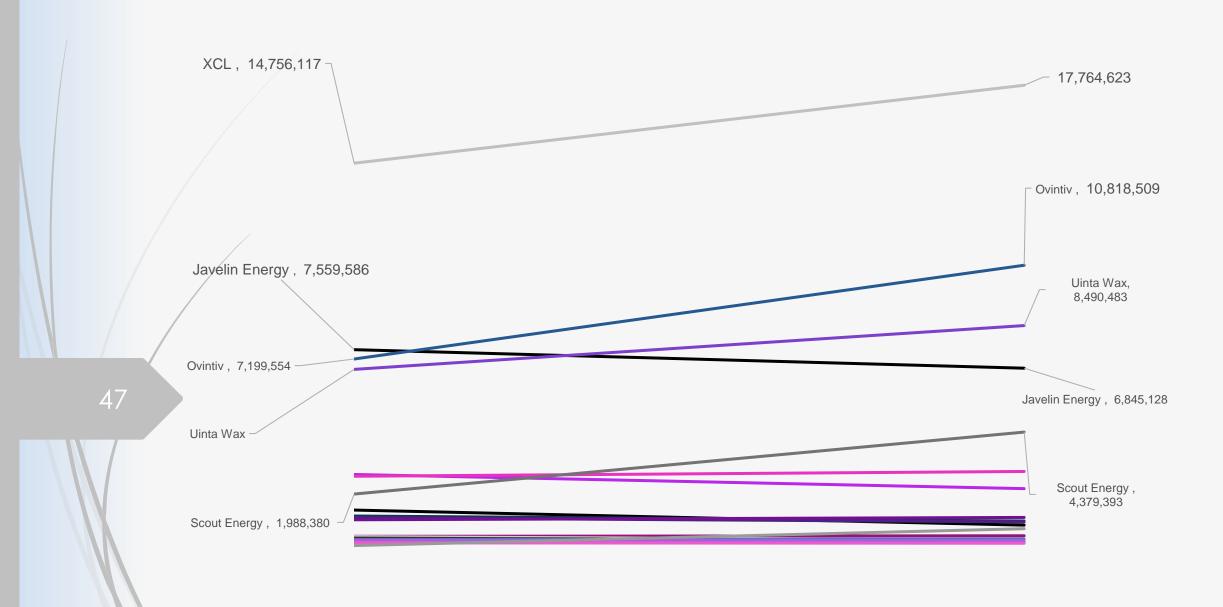




2024 Utah Oil Production by Operator



Production by Operator 2023 v 2024



Savage Wellington Terminal

- New crude-by-rail transload terminal
- Located near Wellington, Carbon County
- Allow Uinta basin producers to access new markets
 - As well as send crude to Salt Lake
 - Purchase of land, engineering, and design completed
 - Awaiting final design approvals

2025 Key Themes

Geopolitical uncertainty

OPEC production/oversupply

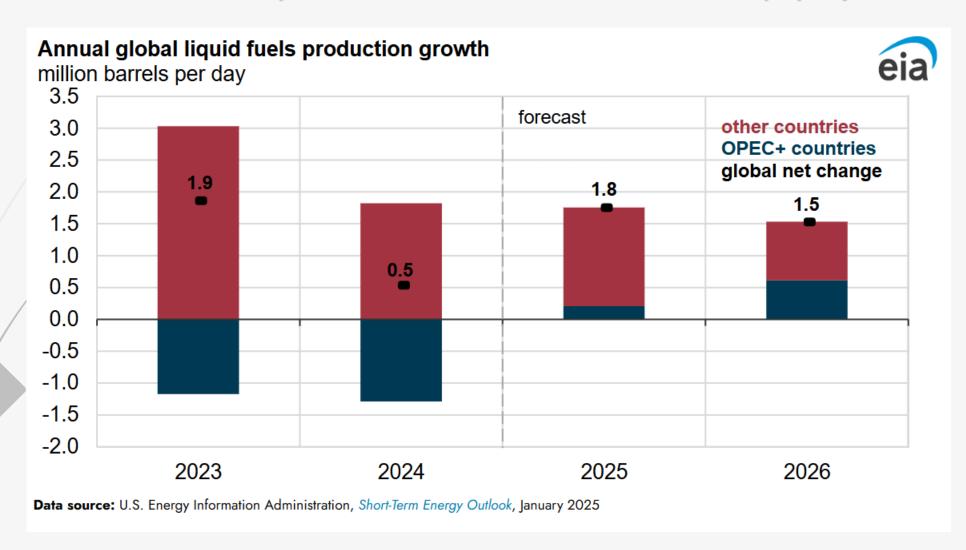
Tariff threats

2025 Expectations: Geopolitical

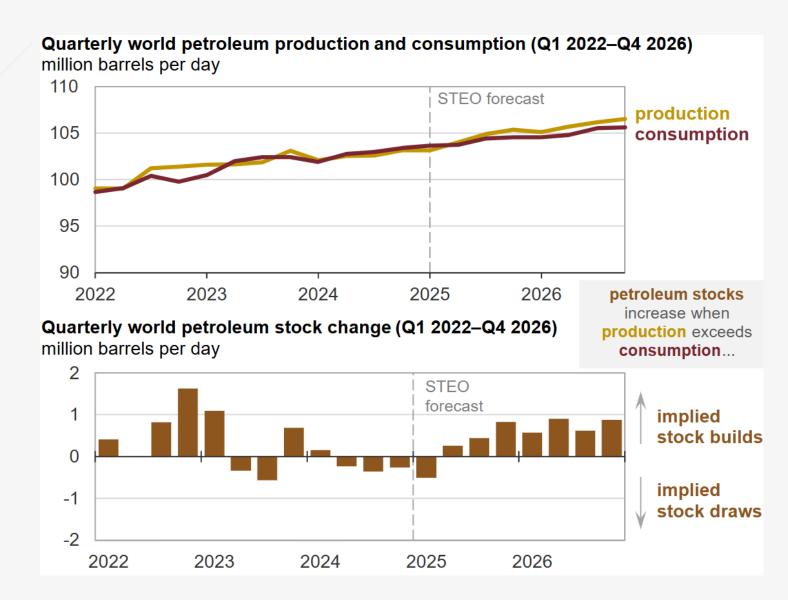
- Middle East
 - Israel/Hamas
 - Iranian sanctions
 - 6-month sanction of 1 Mbpd could significantly increase oil prices1
- Russia/Ukraine
 - Europe continuing to turn from Russian imports
 - US sanctions on Russia: January 2025

- Since late 2022, OPEC+ cut output by 5.7 MMbbl/d1
 - Equivalent to 5.7% of global demand
- Plan to restore 2.2 MMbbl/d in 2025 via monthly tranches
 - Already delayed from January to April 2025 and extended timing
 - until September 2026
- Will Russia, Iraq, Kazakhstan fall in line with targets?
- Likely less global surplus than originally feared2

2025 Expectations: OPEC/Supply



2025 Expectations: OPEC/Supply

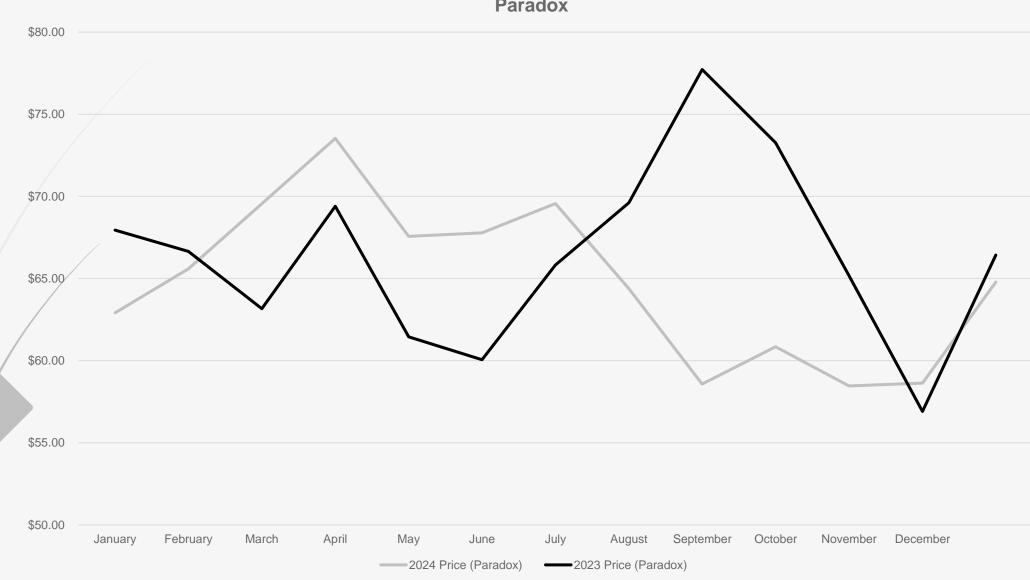


2025 Expectations: Tariffs

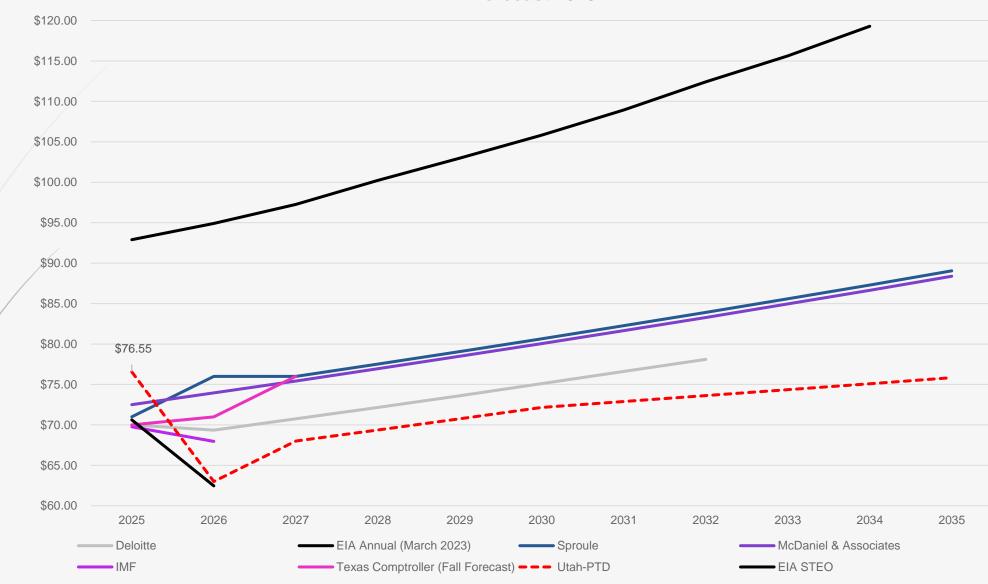
- Broader than expected tariffs from new administration
 - Potential to reduce prices significantly
 - Global recession fears
 - \$60/bbl by end of 2026 (Goldman Sachs) 1
 - Initially, tariffs not greatly levied (through Feb 2025)
 - American Petroleum Institute advising oil & gas to be exempt

Paradox								
	Posting	2024	2023	%				
Month	Days	Price	Price	Change				
January	31	62.91	67.95	-7.42%				
February	28	65.59	66.65	-1.59%				
March	31	69.55	63.16	10.12%				
April	30	73.53	69.40	5.95%				
May	31	67.57	61.45	9.96%				
June	30	67.78	60.06	12.85%				
July	31	69.56	65.82	5.68%				
August	31	64.38	69.61	-7.51%				
September	30	58.58	77.72	-24.63%				
October	31	60.85	73.26	-16.94%				
November	30	58.46	65.17	-10.3%				
December	31	58.64	56.91	3.04%				
Year End Weighted Ave	rage Price \$/BBL	64.78	66.43	-2.48%				

Weighted Average Oil Posted Prices Paradox







2025 Oil Price Forecast

Paradox										
Forecast of 10 Year's Prices										
	2225	0000		0000		2222	0004	0000		0004
	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Average of 2024 Monthly Prices	64.78									
Forecast		53.31	57.54	58.70	59.87	61.07	61.68	62.29	62.92	63.55
% Increase / Decrease		-17.7%	7.9%	2.0%	2.0%	2.0%	1.0%	1.0%	1.0%	1.0%

Forecast for all Oil Types in Utah

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Western Colorado	\$59.93	\$49.32	\$53.24	\$54.30	\$55.39	\$56.49	\$57.06	\$57.63	\$58.21	\$58.79
Black Wax	\$64.05	\$52.71	\$56.90	\$58.03	\$59.19	\$60.38	\$60.98	\$61.59	\$62.21	\$62.83
Yellow Wax	\$64.05	\$52.71	\$56.90	\$58.03	\$59.19	\$60.38	\$60.98	\$61.59	\$62.21	\$62.83
Paradox	\$64.78	\$53.31	\$57.54	\$58.70	\$59.87	\$61.07	\$61.68	\$62.29	\$62.92	\$63.55
Wyoming Sweet	\$71.09	\$58.51	\$63.15	\$64.41	\$65.70	\$67.02	\$67.69	\$68.36	\$69.05	\$69.74

Contact Information

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