

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.03	▼ \$ (0.42)	▼ \$ (0.48)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 84.77	▼ \$ (0.84)	▼ \$ (2.9)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 90.99	▼ \$ (0.64)	▼ \$ (2.2)

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[Lower 48 Component Models](#)

[Regional S/D Models Storage Projection](#)

[Weather Model Storage Projection](#)

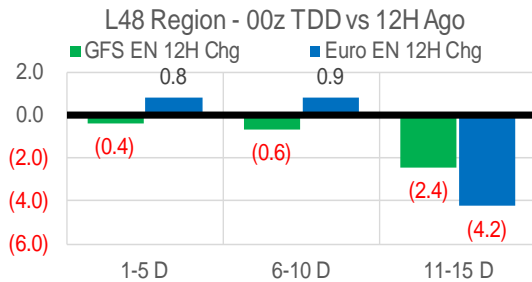
[Supply – Demand Trends](#)

[Nat Gas Options Volume and Open Interest](#)

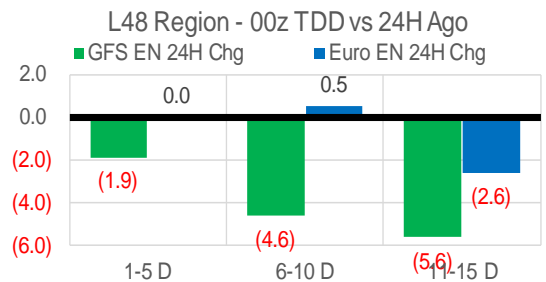
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	101.6	▲ 0.39	▲ 0.55

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	30.6	▲ 1.63	▲ 0.13

	Current	Δ from YD	Δ from 7D Avg
US ResComm	19.5	▲ 3.23	▲ 4.94

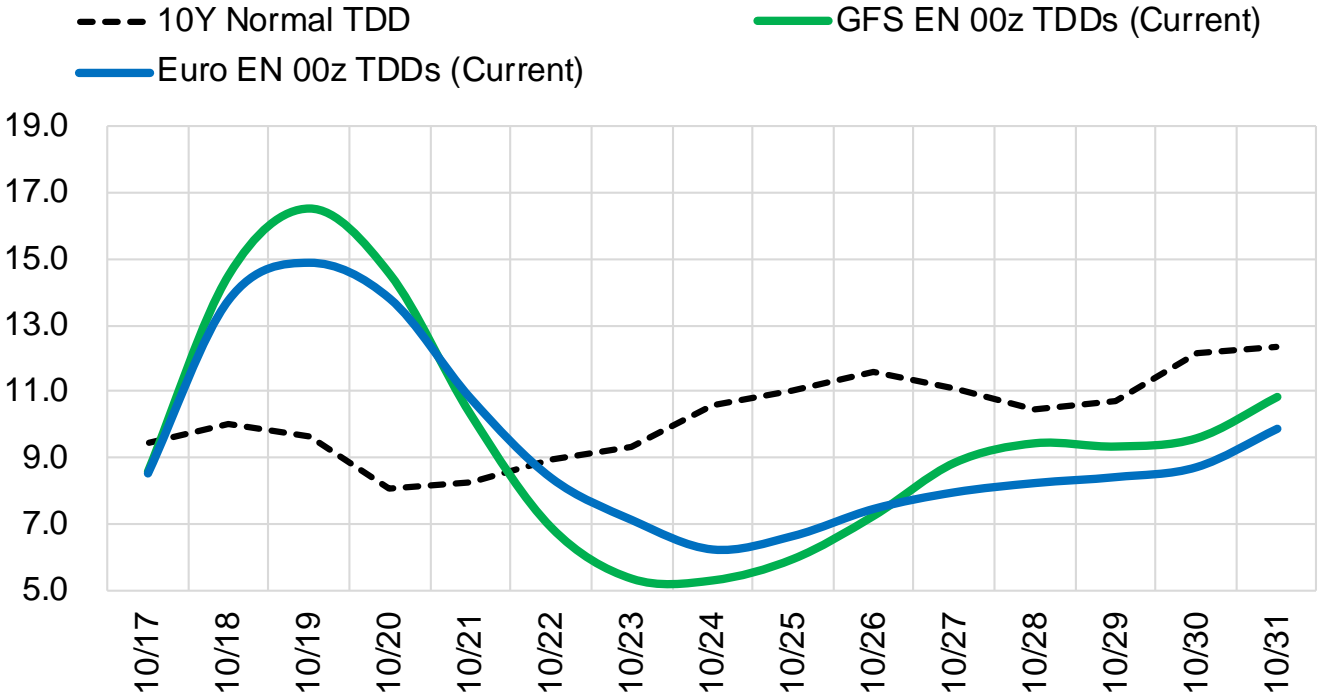
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	4.8	▲ 0.24	▼ -0.39

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.4	▲ 0.31	▲ 0.50

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.0	▼ -0.23	▼ -0.62

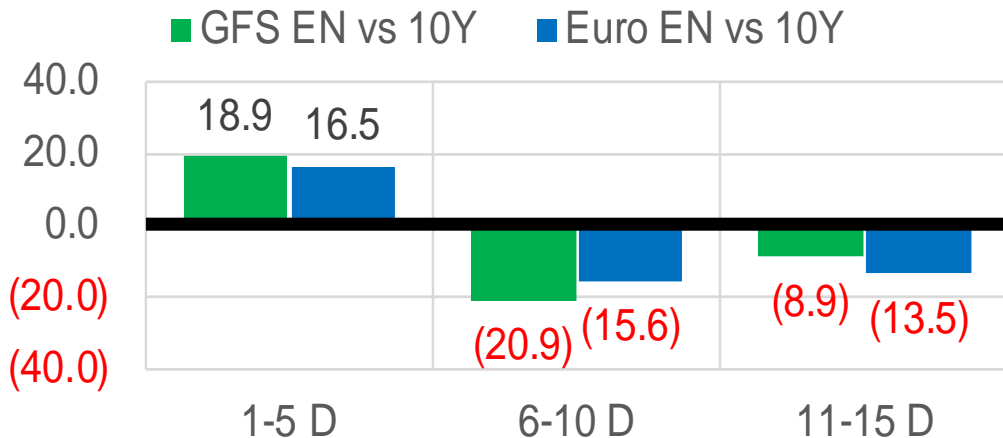
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI, Bloomberg

Lower 48 Component Models

Daily Balances

	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	DoD	vs. 7D
Lower 48 Dry Production	102.1	101.2	100.9	98.9	100.8	101.3	101.6	▲ 0.4	▲ 0.8
Canadian Imports	5.4	5.4	5.5	5.7	4.6	4.6	4.8	▲ 0.2	▼ -0.4
L48 Power	30.7	31.9	31.7	30.1	28.4	28.9	30.6	▲ 1.6	▲ 0.3
L48 Residential & Commercial	11.7	11.8	15.7	16.4	16.2	16.3	19.5	▲ 3.2	▲ 4.8
L48 Industrial	20.7	20.3	20.4	19.7	19.2	18.8	19.0	▲ 0.2	▼ -0.9
L48 Lease and Plant Fuel	5.7	5.7	5.6	5.5	5.6	5.7	5.7	▲ 0.0	▲ 0.0
L48 Pipeline Distribution	2.6	2.7	2.9	2.9	2.7	2.8	3.1	▲ 0.3	▲ 0.3
L48 Regional Gas Consumption	71.4	72.3	76.3	74.6	72.1	72.4	77.8	▲ 5.4	▲ 4.6
Net LNG Delivered	10.55	10.86	11.15	11.25	11.00	11.11	11.42	▲ 0.3	▲ 0.4
Total Mexican Exports	6.5	6.7	6.7	6.8	6.6	6.2	6.0	▼ -0.2	▼ -0.6
Implied Daily Storage Activity	19.0	16.8	12.1	12.1	15.8	16.1	11.3		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY				LW	Current	WoW	vs. LY
	15-Oct	16-Sep	23-Sep	30-Sep	7-Oct	14-Oct		
Lower 48 Dry Production	95.2	101.0	100.8	101.6	102.4	102.1	▼ -0.3	▲ 6.9
Canadian Imports	5.0	5.6	6.1	6.2	6.0	5.5	▼ -0.5	▲ 0.6
L48 Power	31.6	37.9	37.0	31.5	30.5	30.6	▲ 0.1	-1.0
L48 Residential & Commercial	9.2	8.0	8.2	11.9	13.0	14.8	▲ 1.7	5.6
L48 Industrial	21.9	20.9	21.3	20.1	21.2	20.9	▼ -0.2	-1.0
L48 Lease and Plant Fuel	5.3	5.6	5.6	5.6	5.7	5.7	▼ 0.0	0.4
L48 Pipeline Distribution	2.5	2.8	2.8	2.7	2.7	2.8	▲ 0.1	0.3
L48 Regional Gas Consumption	70.6	75.1	74.9	71.8	73.1	74.8	▲ 1.7	▲ 4.3
Net LNG Exports	10.7	11.3	11.5	11.8	11.0	11.0	▼ -0.1	▲ 0.3
Total Mexican Exports	6.6	6.7	6.6	6.9	6.7	6.6	▼ -0.1	▼ 0.0
Implied Daily Storage Activity	12.3	13.4	13.9	17.2	17.5	15.2	-2.3	3.0
EIA Reported Daily Storage Activity	13.1	14.7	14.7	18.4	17.9			
Daily Model Error	-0.9	-1.3	-0.8	-1.2	-0.3			

Monthly Balances

	2Yr Ago	LY					MTD	MoM	vs. LY
	Oct-20	Oct-21	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22		
Lower 48 Dry Production	88.5	95.5	97.3	97.7	99.1	101.1	101.9	▲ 0.8	▲ 6.4
Canadian Imports	4.3	5.4	5.7	5.9	5.4	5.9	5.6	▼ -0.4	▲ 0.2
L48 Power	30.6	30.4	38.3	44.3	43.1	36.8	30.4	▼ -6.5	▼ -0.1
L48 Residential & Commercial	15.5	12.6	8.9	8.3	8.0	9.0	14.4	▲ 5.4	▲ 1.8
L48 Industrial	22.7	21.7	19.1	19.8	21.1	21.0	20.7	▼ -0.3	▼ -1.0
L48 Lease and Plant Fuel	4.8	5.3	5.5	5.5	5.5	5.6	5.7	▲ 0.1	▲ 0.4
L48 Pipeline Distribution	2.5	2.7	2.9	3.1	3.0	2.8	2.8	▼ -0.1	▲ 0.1
L48 Regional Gas Consumption	76.1	72.7	74.6	81.0	80.8	75.2	73.9	▼ -1.3	▲ 1.3
Net LNG Exports	8.0	10.6	11.2	10.9	11.0	11.5	10.9	▼ -0.6	▲ 0.3
Total Mexican Exports	6.0	6.6	7.1	7.0	6.9	6.7	6.6	▼ -0.1	▼ 0.0
Implied Daily Storage Activity	2.7	11.0	10.0	4.7	5.8	13.6	16.0		
EIA Reported Daily Storage Activity									
Daily Model Error					0.0				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	DoD	vs. 7D
NRC Nuclear Daily Output	75.8	74.8	75.3	75.4	75.4	75.4	75.0	-0.4	-0.3
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0	0.0
NRC Nuclear Outage	29.1	30.0	29.6	29.5	29.5	29.5	29.9	0.4	0.3
NRC % Nuclear Cap Utilization	77.0	76.1	76.6	76.7	76.7	76.6	76.3	-0.4	-0.3

Wind Generation Daily Average - MWh (EIA)

	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	DoD	vs. 7D
CALI Wind	1027	986	1123	1728	1164	1017	2216	1199	1042
TEXAS Wind	4410	8173	14418	10956	5357	5246	5246	0	-2847
US Wind	27030	33511	67781	56873	47090	46665	38189	-8475	-8302

Generation Daily Average - MWh (EIA)

	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	DoD	vs. 7D
US Wind	27030	33511	67781	56873	47090	46665	38189	-8475	-8302
US Solar	15097	14348	14654	13357	13466	15483	10703	-4780	-3698
US Petroleum	770	1068	921	1090	1133	1074	923	-151	-86
US Other	10805	11130	11113	11463	11086	12273	11158	-1115	-154
US Coal	75798	79042	70996	74131	74573	76007	65980	-10027	-9111
US Nuke	76594	75849	76376	76416	76490	76260	72243	-4017	-4088
US Hydro	18339	20018	19402	19999	21377	20012	16806	-3206	-3052
US Gas	158883	180945	163035	174853	177448	165781	130771	-35010	-39386

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	15-Oct	16-Sep	23-Sep	30-Sep	7-Oct	14-Oct	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	76.5	86.0	86.7	84.9	80.5	76.2	-4.3	0.8
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	28.3	18.9	18.1	20.0	24.4	28.7	4.3	
NRC % Nuclear Cap Utilization	77.8	87.4	88.2	86.4	81.9	77.5	-4.4	

Wind Generation Weekly Average - MWh (EIA)

	15-Oct	16-Sep	23-Sep	30-Sep	7-Oct	14-Oct	WoW	WoW Bcf/d Impact
CALI Wind	2400	2033	1941	1208	1370	1086	-284	0.1
TEXAS Wind	15396	8875	11580	8083	6160	7842	1682	-0.3
US Wind	49918	37401	47953	40606	32707	41053	8346	-1.6
							26%	
						0.3		

Generation Weekly Average - MWh (EIA)

	15-Oct	16-Sep	23-Sep	30-Sep	7-Oct	14-Oct	WoW	WoW Bcf/d Impact
					LY	Current		
US Wind	49918	37401	47953	40606	32707	41053	8346	-1.6
US Solar	10533	14887	17244	16636	15451	14351	-1100	0.2
US Petroleum	727	1029	1010	379	664	842	178	0.0
US Other	12239	10065	10826	11151	10645	11008	363	-0.1
US Coal	89840	91209	92461	77592	75016	76151	1136	-0.2
US Nuke	77060	88711	89298	86649	84500	77235	-7265	1.4
US Hydro	24716	25849	23537	23101	21719	19844	-1876	0.4
US Gas	165326	201189	197536	171818	171099	169993	-1106	-0.2

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Monthly Average Generation Data

Nuclear Generation Monthly Average - GWh (NRC)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	81.4	81.6	90.6	90.5	86.2	77.2	80.8	-9.0
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0	0.0
NRC Nuclear Outage	23.4	23.3	14.3	14.3	18.7	27.6	24.1	9.0	0.8
NRC % Nuclear Cap Utilization	82.8	82.9	92.1	92.1	87.7	78.5	82.1	-9.1	-0.8

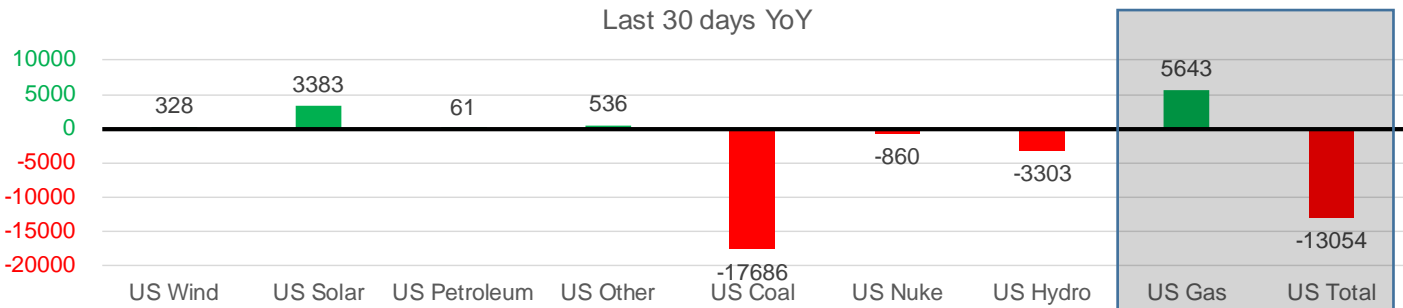
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	CALI Wind	1480	1914	2719	2028	1608	1377	1380	-232
TEXAS Wind	8779	10030	11765	8440	7993	6528	7517	-1465	-2513
US Wind	39140	39449	39701	33222	38117	37155	39777	-962	328

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	US Wind	39140	39449	39701	33222	38117	37155	39777	▲ 2622.0
US Solar	9231	11873	18599	16965	16179	14170	15256	▲ 1086.0	▲ 3383
US Petroleum	895	679	1252	1253	864	816	739	▼ -77	▲ 61
US Other	7961	10454	10142	10543	10489	10969	10991	▲ 22	▲ 536
US Coal	73363	96065	119788	117200	92002	73977	78379	▲ 4402	▼ -17686
US Nuke	84738	83464	92883	92976	89052	77941	82604	▲ 4663	▼ -860
US Hydro	25041	24687	34227	30121	25197	19808	21384	▲ 1576	▼ -3303
US Gas	167071	166958	235752	233741	199945	163251	172600	▲ 14294	▲ 5643
US Total	405693	433536	551815	535704	470441	398104	420482	▲ 25966	▼ -13054

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

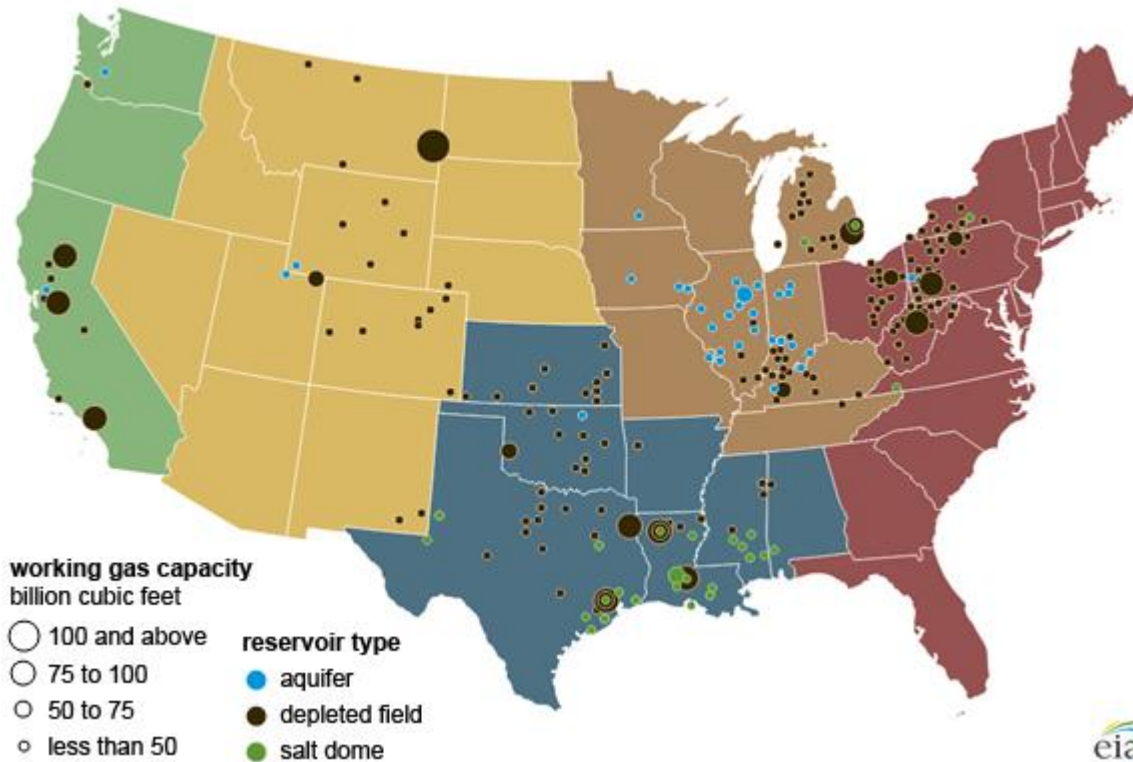
Regional S/D Models Storage Projection

Week Ending 14-Oct

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	16.3	-0.4	15.9	111
East	1.2	2.7	3.9	27
Midwest	3.9	0.4	4.2	30
Mountain	4.7	-4.4	0.4	3
South Central	6.1	1.3	7.4	52
Pacific	0.5	-0.5	0.0	0

*Adjustment Factor is calculated based on historical regional deltas

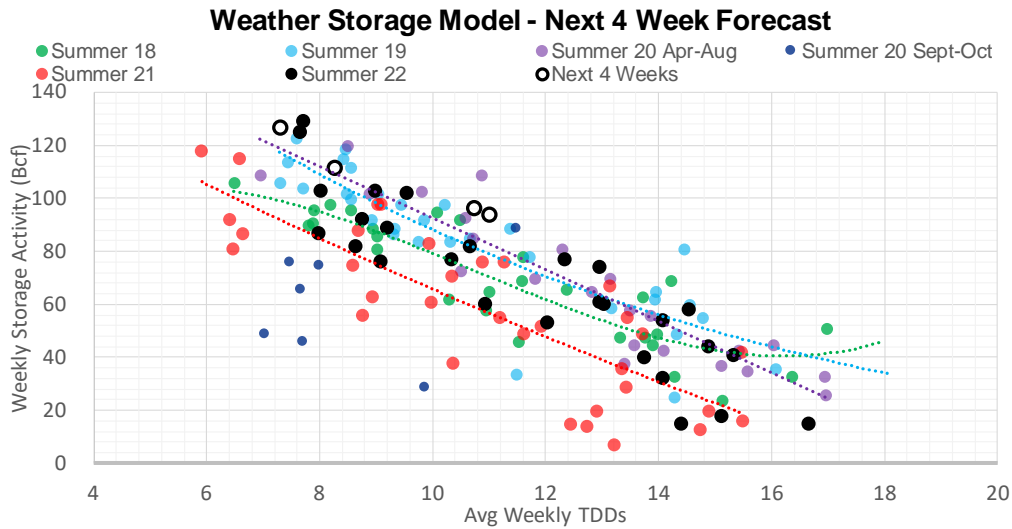
U.S. underground natural gas storage facilities by type (July 2015)



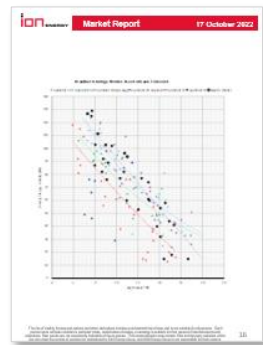
Weather Model Storage Projection

Next report
and beyond

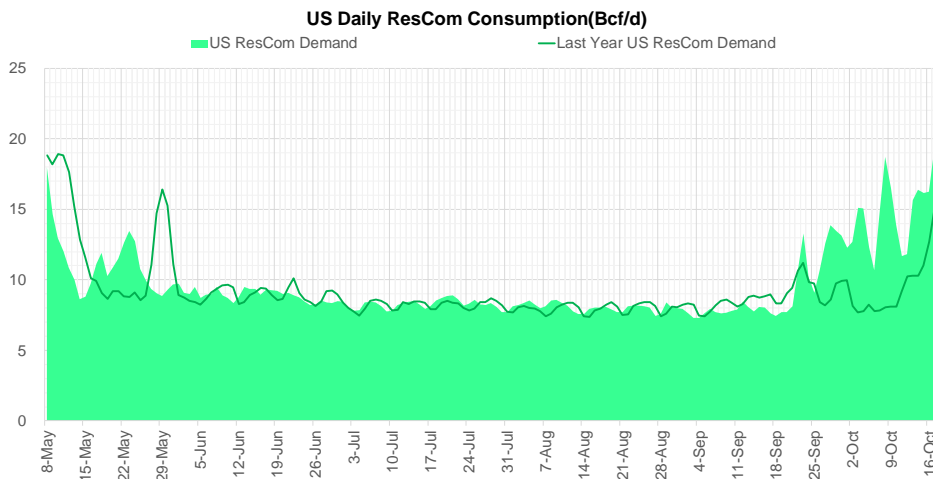
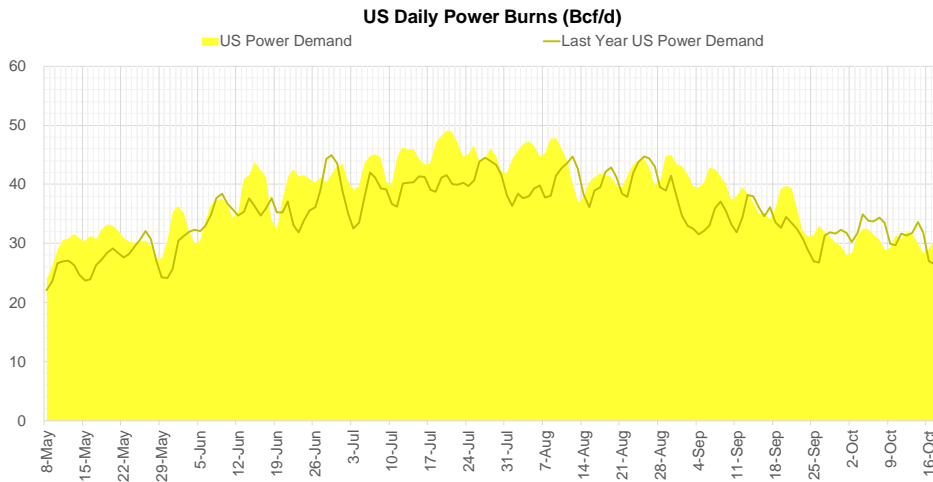
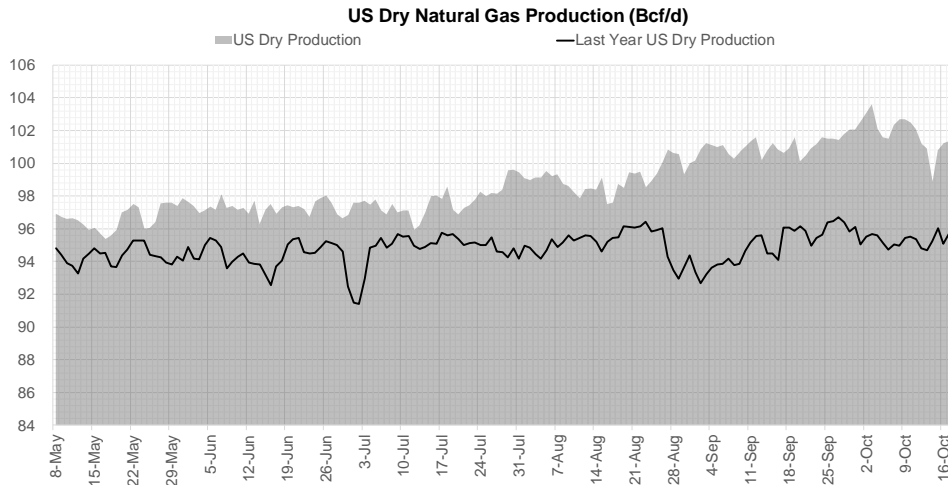
Week Ending	GWDDs	Week Storage Projection
14-Oct	8.3	111
21-Oct	11.0	94
28-Oct	7.3	127
04-Nov	10.8	96



Go to larger image



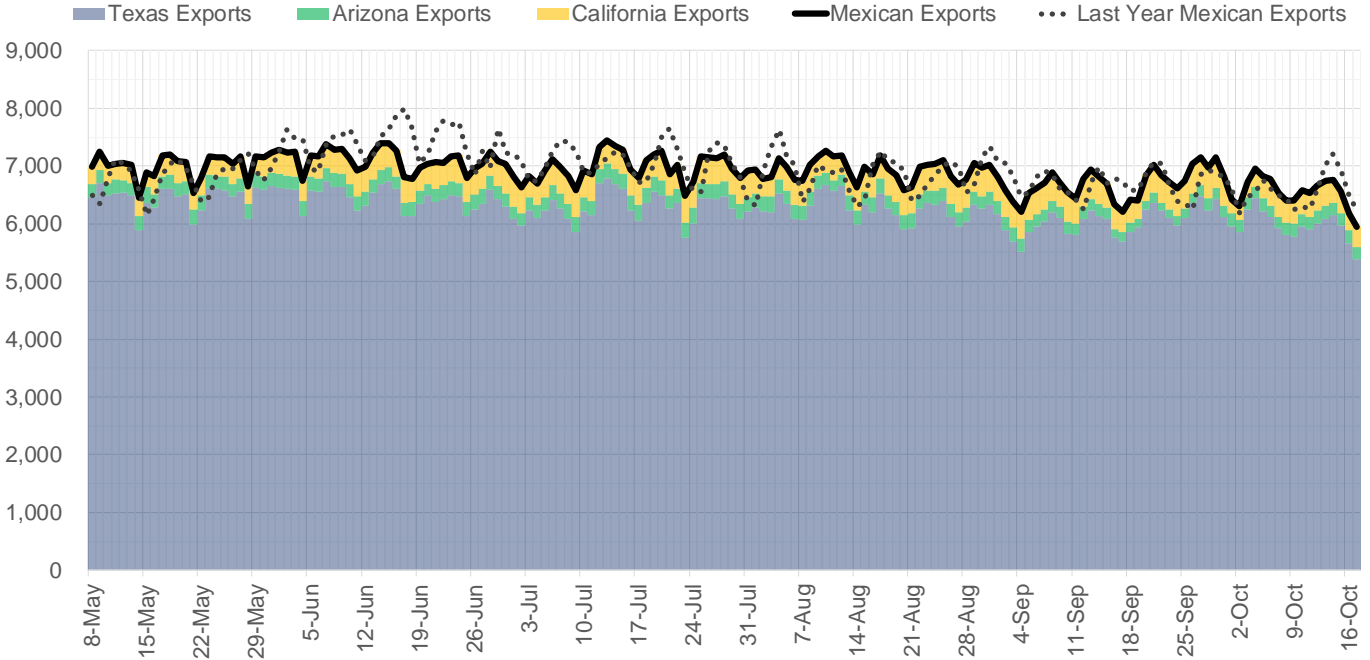
Supply – Demand Trends



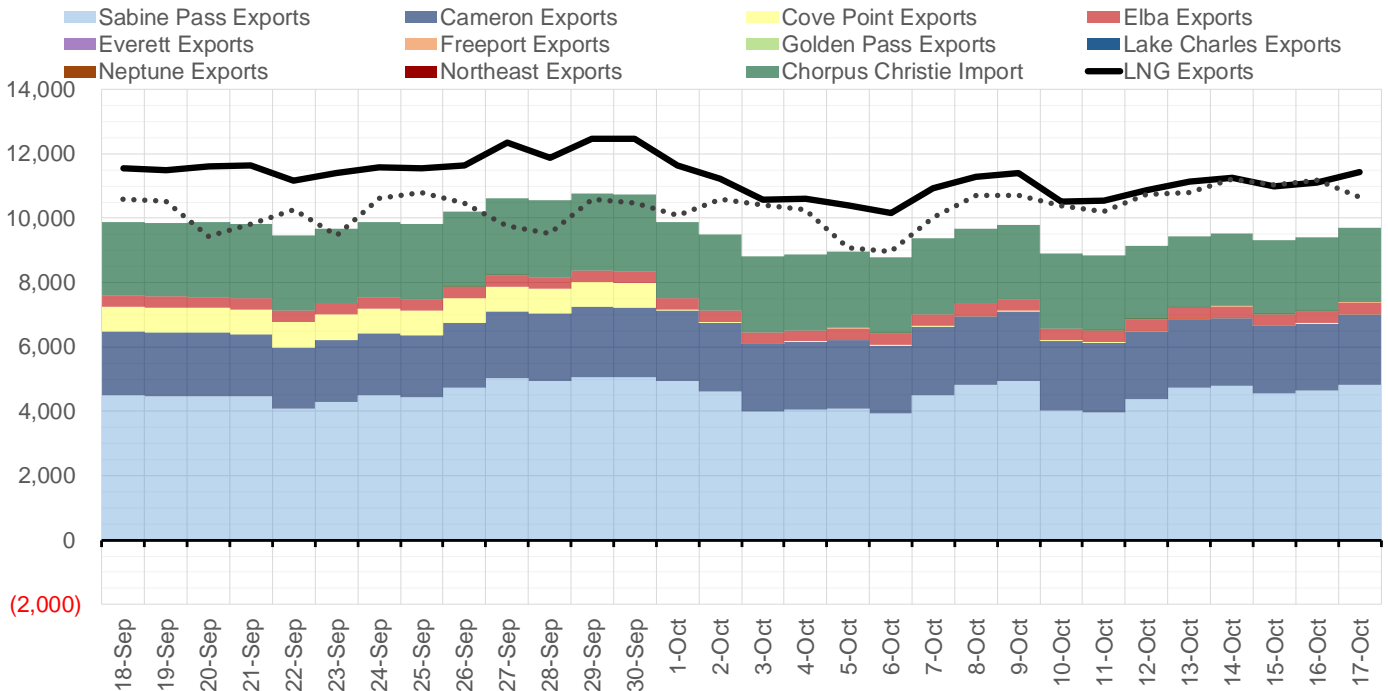
Source: Bloomberg

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Mexican Exports (MMcf/d)



Net LNG Exports - Last 30 days (MMcf/d)



Source: Bloomberg

The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are not necessarily indicative of future results. This communication may contain links to third party websites which are not under the control of and are not maintained by ION Energy Group, and ION Energy Group is not responsible for their content.

Nat Gas Options Volume and Open Interest CME and ICE Combined

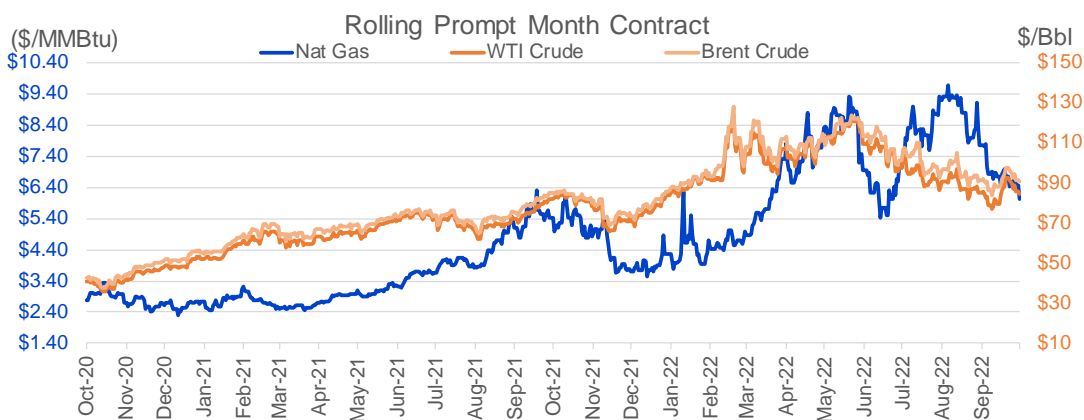
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
11	2022	C	10.00	4924	11	2022	C	10.00	26350
11	2022	P	6.00	4896	12	2022	P	5.00	25857
11	2022	C	8.00	3889	12	2022	P	4.00	25664
12	2022	C	12.00	3623	12	2022	P	6.00	25187
11	2022	C	8.50	3397	11	2022	P	4.00	24574
11	2022	P	5.50	3101	3	2023	C	10.00	24417
11	2022	C	7.00	2724	11	2022	P	6.00	23440
11	2022	C	7.25	2323	5	2023	P	2.00	23237
10	2023	P	3.00	2150	11	2022	P	5.00	20972
4	2023	P	3.00	1900	1	2023	C	10.00	20871
5	2023	P	3.00	1900	4	2023	P	3.00	20674
6	2023	P	3.00	1900	11	2022	C	8.00	20320
7	2023	P	3.00	1900	10	2023	P	3.00	20074
8	2023	P	3.00	1900	11	2022	P	5.50	19826
9	2023	P	3.00	1900	3	2023	P	4.00	19680
12	2022	C	8.00	1860	4	2023	P	3.50	19306
11	2022	C	7.50	1743	10	2023	P	2.50	19250
12	2022	C	10.00	1670	1	2023	P	4.00	19213
11	2022	C	9.00	1300	3	2023	P	3.00	19211
11	2022	P	5.75	1282	3	2023	C	20.00	18980
11	2022	P	6.50	1211	12	2022	C	5.00	18227
1	2023	C	10.00	1177	10	2023	P	4.00	18066
11	2022	P	5.25	1174	2	2023	C	9.00	17605
11	2022	P	5.00	1164	11	2022	C	12.00	17520
12	2022	C	17.00	1006	12	2022	C	10.00	17518
1	2023	P	4.00	1000	2	2023	C	10.00	17333
4	2023	P	4.50	1000	12	2022	P	5.50	17068
5	2023	P	4.50	1000	5	2023	P	3.50	16780
6	2023	P	4.50	1000	4	2023	P	4.00	16673
7	2023	P	4.50	1000	6	2023	P	3.00	16605
8	2023	P	4.00	1000	3	2023	P	2.75	16470
8	2023	P	4.50	1000	5	2023	P	3.00	16408
9	2023	P	4.50	1000	9	2023	P	4.00	16346
9	2023	P	4.50	1000	4	2023	P	2.00	16248
10	2023	P	4.50	1000	12	2022	C	4.00	16195
3	2023	C	10.00	987	6	2023	P	3.50	16145
12	2022	C	15.00	907	11	2022	P	6.50	15902
4	2023	P	4.00	900	10	2023	P	3.50	15866
5	2023	P	4.00	900	8	2023	P	3.50	15837
6	2023	P	4.00	900	7	2023	P	3.50	15805
7	2023	P	4.00	900	9	2023	P	3.50	15795
9	2023	P	4.00	900	11	2022	C	4.00	15755
10	2023	P	4.00	900	10	2023	P	2.00	15498
4	2023	C	10.00	851	7	2023	P	4.00	15404
5	2023	C	10.00	851	1	2023	P	5.00	15317
6	2023	C	10.00	850	6	2023	P	4.00	15246
7	2023	C	10.00	850	11	2022	P	5.25	15154
8	2023	C	10.00	850	12	2022	P	7.00	15123
9	2023	C	10.00	850	5	2023	P	4.00	14943
10	2023	C	10.00	850	8	2023	P	4	14831

Source: CME, ICE

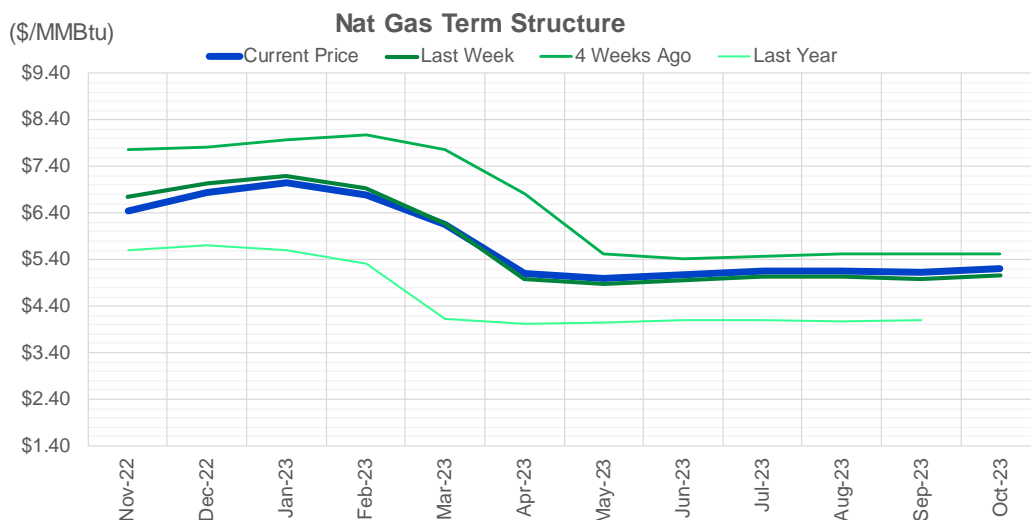
Nat Gas Futures Open Interest CME and ICE Combined

CME Henry Hub Futures (10,000 MMBtu)				ICE Henry Hub Futures Contract Equivalent (10,000 MM			
	Current	Prior	Daily Change		Current	Prior	Daily Change
NOV 22	82092	90592	-8500	NOV 22	70968	67487	3481
DEC 22	81651	80452	1199	DEC 22	76392	75998	394
JAN 23	120883	120767	116	JAN 23	72126	72079	47
FEB 23	52892	51665	1227	FEB 23	65992	66275	-283
MAR 23	88808	88115	693	MAR 23	60131	58172	1958
APR 23	77440	77498	-58	APR 23	55135	55183	-49
MAY 23	84052	83519	533	MAY 23	56204	55817	387
JUN 23	24692	24792	-100	JUN 23	47049	46816	233
JUL 23	29496	29388	108	JUL 23	47033	46735	298
AUG 23	20902	21071	-169	AUG 23	45153	44918	235
SEP 23	27957	27580	377	SEP 23	42621	42406	215
OCT 23	52892	53744	-852	OCT 23	55645	55877	-232
NOV 23	22980	22448	532	NOV 23	47488	47385	103
DEC 23	22789	22208	581	DEC 23	40103	40092	11
JAN 24	34164	33995	169	JAN 24	44506	44396	110
FEB 24	10084	9924	160	FEB 24	30993	30958	35
MAR 24	20139	20026	113	MAR 24	35440	35508	-68
APR 24	18677	18568	109	APR 24	30113	29886	227
MAY 24	8408	8370	38	MAY 24	28583	28385	198
JUN 24	3105	3070	35	JUN 24	25935	25788	148
JUL 24	3975	3983	-8	JUL 24	25592	25379	214
AUG 24	3891	3849	42	AUG 24	25354	25141	213
SEP 24	2471	2464	7	SEP 24	24964	24766	198
OCT 24	8697	8647	50	OCT 24	28835	28774	61
NOV 24	4911	4907	4	NOV 24	26203	26147	57
DEC 24	8268	8267	1	DEC 24	30109	30048	61
JAN 25	17510	17504	6	JAN 25	23268	23250	17
FEB 25	1694	1684	10	FEB 25	15682	15689	-7
MAR 25	5316	5316	0	MAR 25	18137	17991	147
APR 25	5335	5345	-10	APR 25	16339	16189	150

Source: CME, ICE



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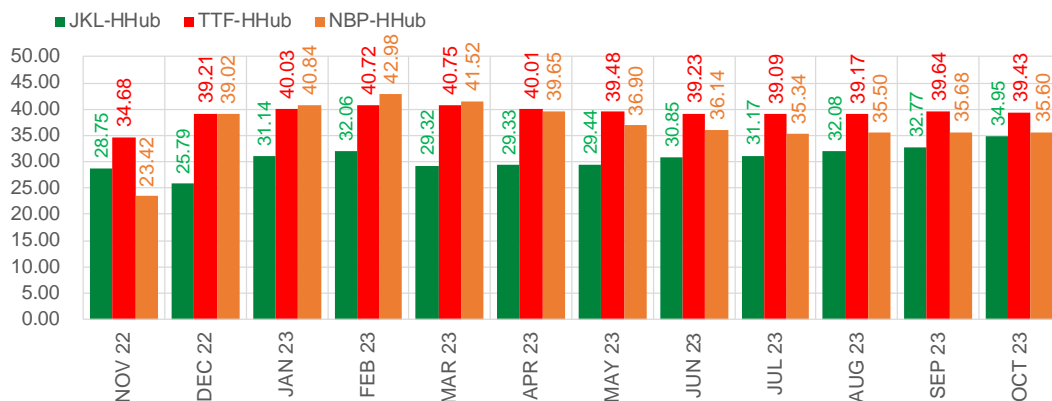
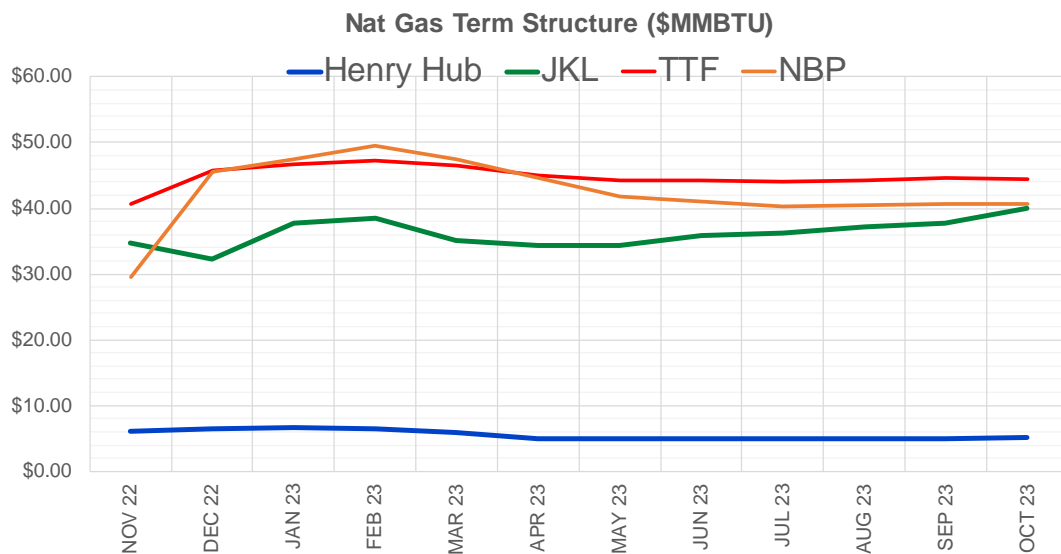


	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Current Price	\$6.453	\$6.827	\$7.043	\$6.793	\$6.144	\$5.088	\$4.999	\$5.070	\$5.145	\$5.155	\$5.122	\$5.196
Last Week	\$6.748	\$7.047	\$7.203	\$6.940	\$6.161	\$4.976	\$4.872	\$4.950	\$5.027	\$5.032	\$4.993	\$5.065
vs. Last Week	-\$0.295	-\$0.220	-\$0.160	-\$0.147	-\$0.017	\$0.112	\$0.127	\$0.120	\$0.118	\$0.123	\$0.129	\$0.131
4 Weeks Ago	\$7.764	\$7.811	\$7.966	\$8.067	\$7.767	\$6.820	\$5.526	\$5.405	\$5.460	\$5.517	\$5.531	\$5.513
vs. 4 Weeks Ago	-\$1.311	-\$0.984	-\$0.923	-\$1.274	-\$1.623	-\$1.732	-\$0.527	-\$0.335	-\$0.315	-\$0.362	-\$0.409	-\$0.317
Last Year	\$5.410	\$5.600	\$5.708	\$5.613	\$5.317	\$4.121	\$4.008	\$4.046	\$4.087	\$4.091	\$4.073	\$4.104
vs. Last Year	\$1.043	\$1.227	\$1.335	\$1.180	\$0.827	\$0.967	\$0.991	\$1.024	\$1.058	\$1.064	\$1.049	\$1.092

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	5.40	10.39	4.99
TETCO M3	\$/MMBtu	5.11	6.29	1.18
FGT Zone 3	\$/MMBtu	5.15	6.78	1.63
Zone 6 NY	\$/MMBtu	5.15	6.36	1.21
Chicago Citygate	\$/MMBtu	5.49	6.24	0.75
Michcon	\$/MMBtu	5.34	6.06	0.72
Columbia TCO Pool	\$/MMBtu	5.23	5.77	0.54
Ventura	\$/MMBtu	5.39	6.30	0.91
Rockies/Opal	\$/MMBtu	5.49	5.96	0.47
El Paso Permian Basin	\$/MMBtu	3.73	3.42	-0.32
Socal Citygate	\$/MMBtu	5.87	6.49	0.62
Malin	\$/MMBtu	5.29	6.25	0.96
Houston Ship Channel	\$/MMBtu	5.19	5.95	0.76
Henry Hub Cash	\$/MMBtu	6.25	5.88	-0.37
AECO Cash	C\$/GJ	2.73	4.15	1.42
Station2 Cash	C\$/GJ	-2.19	6.81	9.00
Dawn Cash	C\$/GJ	5.37	6.16	0.79

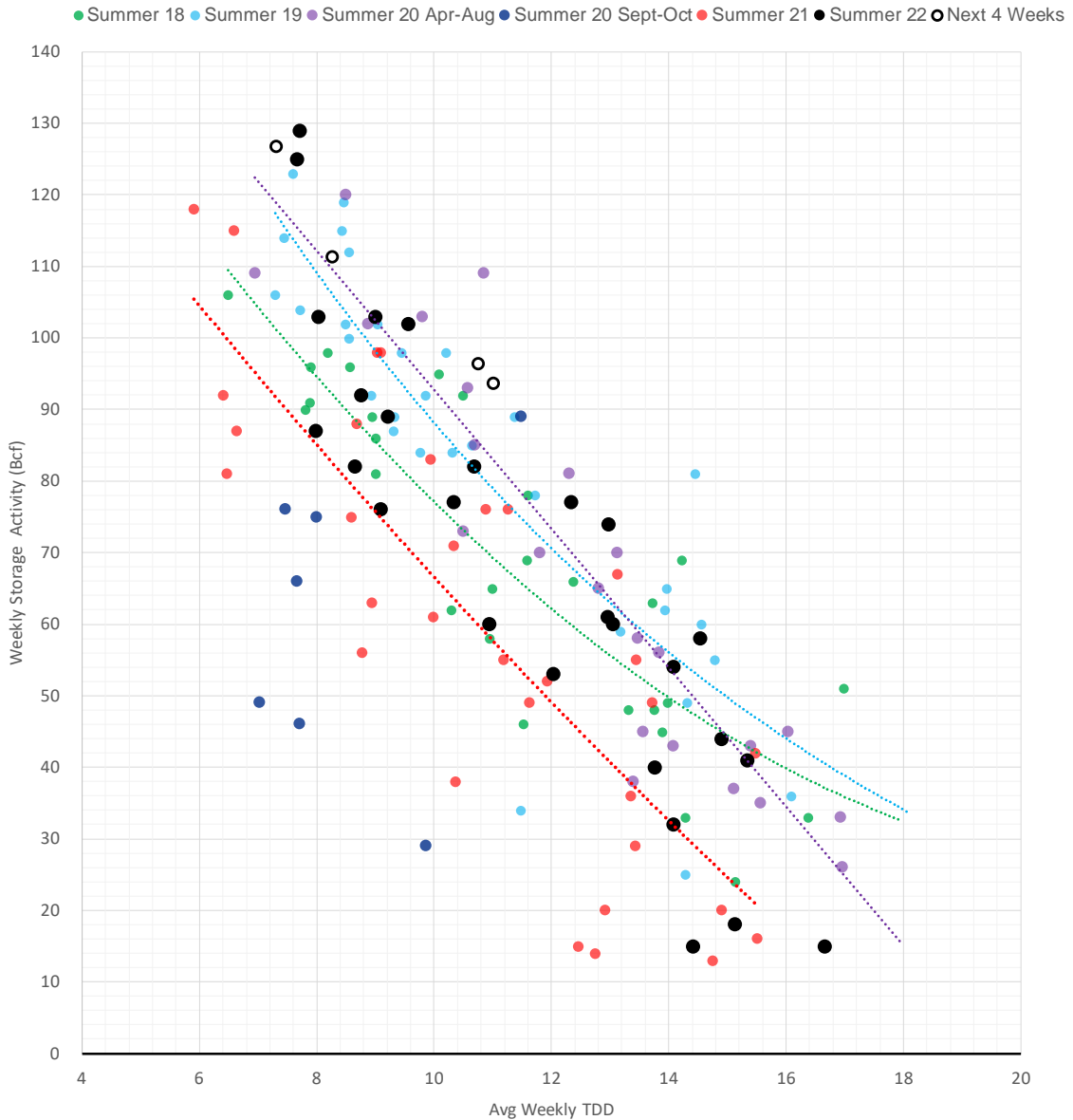
Source: CME, Bloomberg

	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.792
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.684
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▼ -0.896	▲ 1.549
WTI Crude	\$/Bbl	85.61	▼ -7.030	▲ 0.500	▲ 3.330
Brent Crude	\$/Bbl	91.63	▼ -6.290	▲ 0.280	▲ 6.770
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	398.02	▼ -3.850	▲ 80.770	▲ 140.650
Propane, Mt. Bel	cents/Gallon	0.83	▼ -0.074	▼ -0.209	▼ -0.646
Ethane, Mt. Bel	cents/Gallon	0.42	▲ 0.008	▼ -0.065	▼ -0.016
Coal, PRB	\$/MTon	12.30	▲ 0.000	▲ 0.000	▲ 0.000
Coal, PRB	\$/MMBtu	0.70			
Coal, ILB	\$/MTon	31.05	▲ 0.000	▲ 0.000	▲ 0.000
Coal, ILB	\$/MMBtu	1.32			

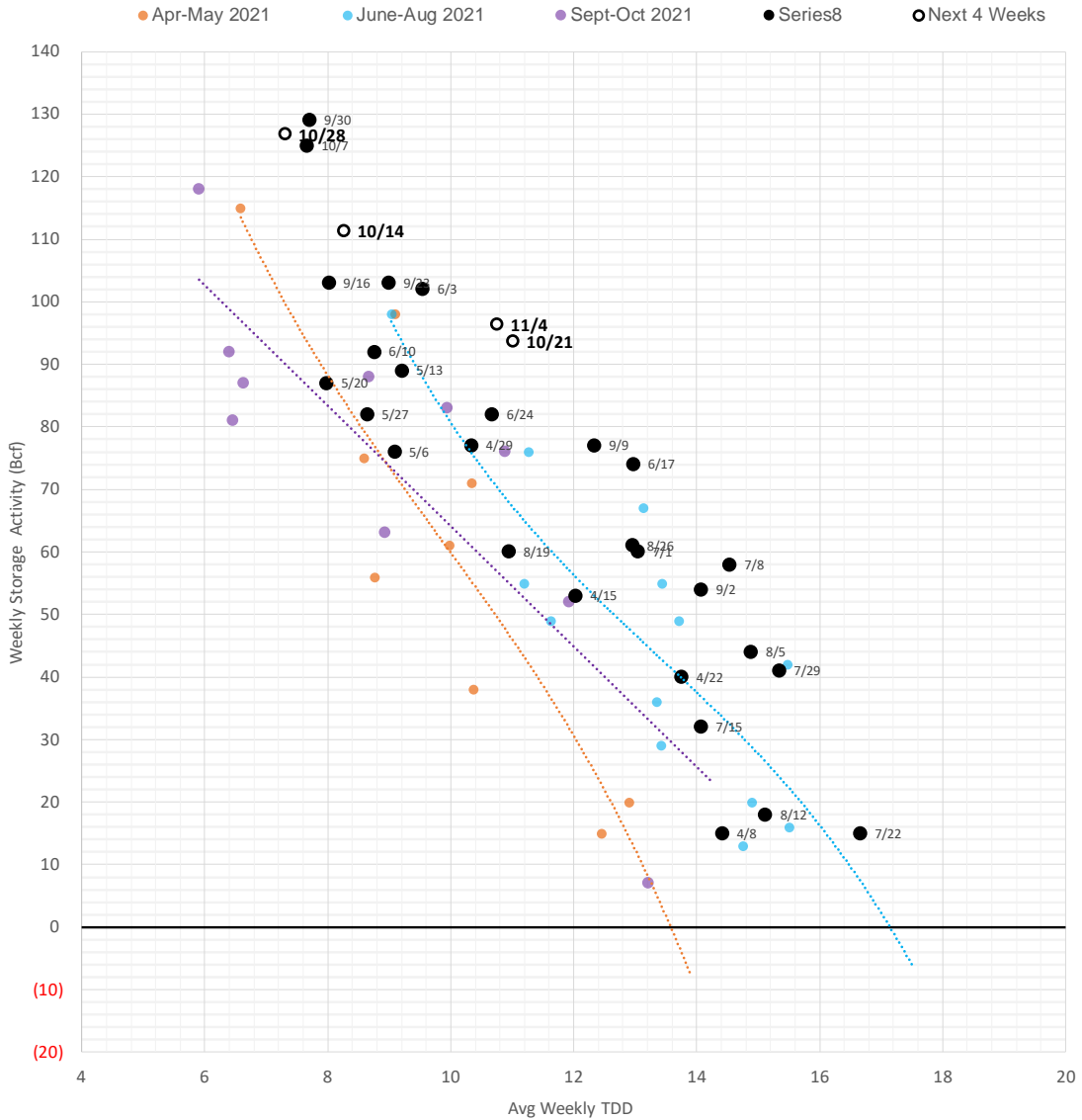


	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23
Henry Hub	\$6.031	\$6.464	\$6.693	\$6.460	\$5.842	\$4.945	\$4.861	\$4.935	\$5.012	\$5.025	\$4.993	\$5.072
JKL	\$34.779	\$32.250	\$37.830	\$38.520	\$35.160	\$34.270	\$34.305	\$35.780	\$36.180	\$37.100	\$37.765	\$40.020
JKL-HHub	\$28.748	\$25.786	\$31.137	\$32.060	\$29.318	\$29.325	\$29.444	\$30.845	\$31.168	\$32.075	\$32.772	\$34.948
TTF	\$40.712	\$45.670	\$46.724	\$47.181	\$46.595	\$44.954	\$44.343	\$44.165	\$44.106	\$44.193	\$44.636	\$44.503
TTF-HHub	\$34.681	\$39.206	\$40.031	\$40.721	\$40.753	\$40.009	\$39.482	\$39.230	\$39.094	\$39.168	\$39.643	\$39.431
NBP	\$29.453	\$45.487	\$47.536	\$49.438	\$47.366	\$44.590	\$41.759	\$41.072	\$40.347	\$40.524	\$40.677	\$40.667
NBP-HHub	\$23.422	\$39.023	\$40.843	\$42.978	\$41.524	\$39.645	\$36.898	\$36.137	\$35.335	\$35.499	\$35.684	\$35.595

Weather Storage Model - Next 4 Week Forecast



Weather Storage Model - Next 4 Week Forecast



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