

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 7.26 ▲	\$ 0.02 ▲	\$ 0.16

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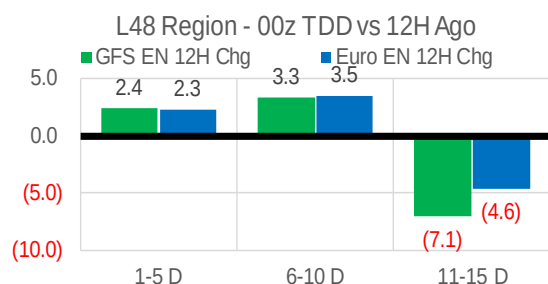
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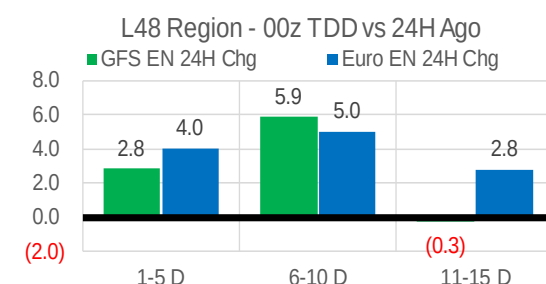
	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 80.43 ▲	\$ 2.23 ▲	\$ 3.3

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 85.14 ▲	\$ 2.11 ▲	\$ 1.2

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	101.6 ▼	-0.17 ▼	-0.45

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.4 ▲	1.37 ▲	3.19

	Current	Δ from YD	Δ from 7D Avg
US ResComm	33.0 ▲	2.04 ▲	3.58

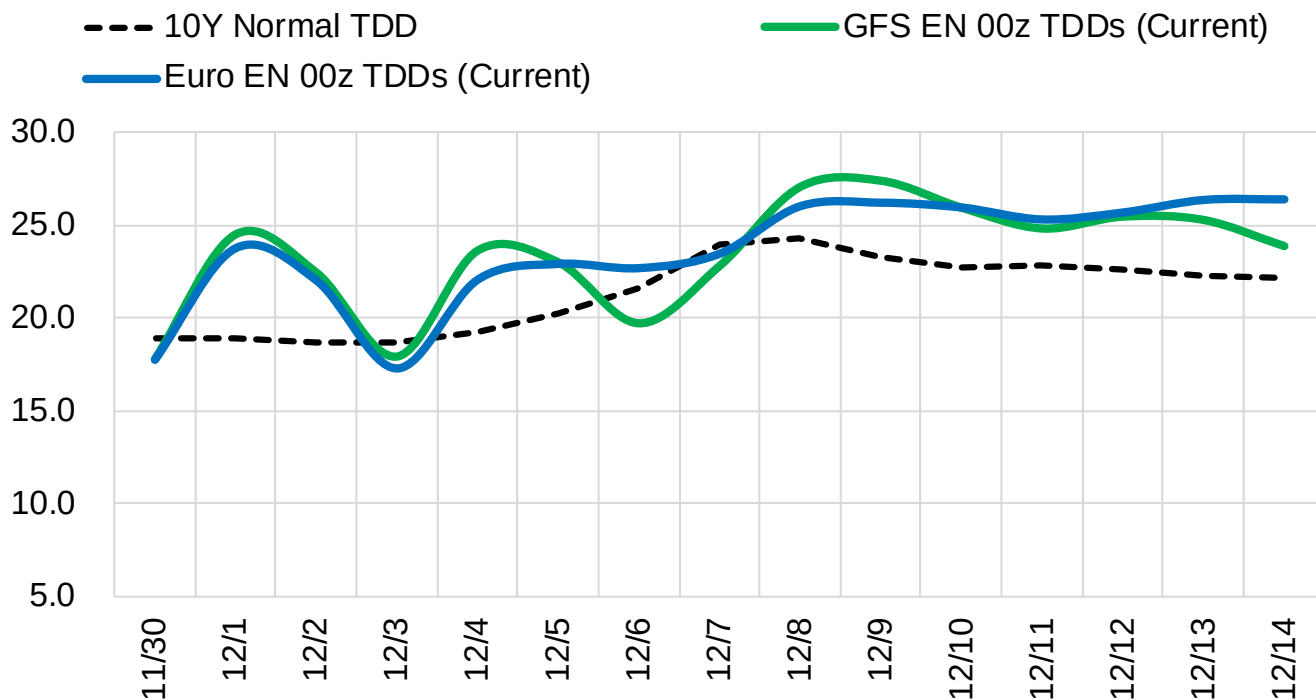
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.8 ▲	0.30 ▲	0.68

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.8 ▲	1.67 ▲	1.34

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	5.9 ▼	-0.52 ▼	-0.32

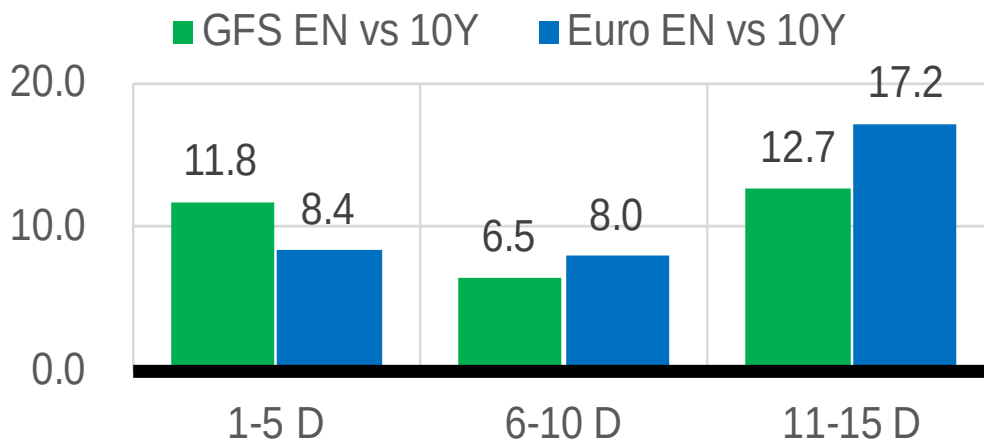
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	DoD	vs. 7D
Lower 48 Dry Production	102.6	102.4	101.0	102.0	102.3	101.7	101.6	▼ -0.2	▼ -0.4
Canadian Imports	5.0	5.1	4.9	5.0	5.3	5.5	5.8	▲ 0.3	▲ 0.7
L48 Power	24.8	25.1	24.1	25.7	27.4	28.0	29.4	▲ 1.4	▲ 3.6
L48 Residential & Commercial	27.9	28.4	28.6	28.3	31.3	31.0	33.0	▲ 2.0	▲ 3.8
L48 Industrial	22.3	22.2	22.2	22.2	22.4	22.3	22.7	▲ 0.4	▲ 0.4
L48 Lease and Plant Fuel	5.7	5.7	5.6	5.7	5.7	5.7	5.6	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	3.0	3.1	3.0	3.1	3.4	3.4	3.6	▲ 0.2	▲ 0.4
L48 Regional Gas Consumption	83.8	84.5	83.6	85.0	90.2	90.4	94.3	▲ 4.0	▲ 8.1
Net LNG Delivered	11.20	11.31	11.60	12.04	11.55	11.11	12.78	▲ 1.7	▲ 1.3
Total Mexican Exports	6.1	6.3	6.1	5.9	6.4	6.4	5.9	▼ -0.5	▼ -0.3
Implied Daily Storage Activity	6.5	5.4	4.7	4.0	-0.6	-0.6	-5.6		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 26-Nov	LW 18-Nov	Current 25-Nov	WoW	vs. LY
Lower 48 Dry Production	96.7	101.1	101.4	▲ 0.3	▲ 4.7
Canadian Imports	5.5	6.6	6.0	▼ -0.5	▲ 0.5
L48 Power	29.4	31.5	29.8	▼ -1.7	0.3
L48 Residential & Commercial	31.8	35.5	38.5	▲ 3.0	6.6
L48 Industrial	23.8	24.8	23.8	▼ -1.1	0.0
L48 Lease and Plant Fuel	5.4	5.6	5.7	▲ 0.0	0.3
L48 Pipeline Distribution	3.5	3.9	3.9	▲ 0.1	0.4
L48 Regional Gas Consumption	94.0	101.3	101.6	▲ 0.3	▲ 7.6
Net LNG Exports	11.7	12.1	12.0	▼ -0.1	▲ 0.2
Total Mexican Exports	6.0	6.5	6.0	▼ -0.5	▼ -0.1
Implied Daily Storage Activity	-9.5	-12.2	-12.1	0.1	-2.6
EIA Reported Daily Storage Activity	-8.4	-11.4			
Daily Model Error	-1.1	-0.8			

Monthly Balances

	2Yr Ago Nov-20	LY Nov-21	Jul-22	Aug-22	Sep-22	Oct-22	MTD Nov-22	MoM	vs. LY
Lower 48 Dry Production	91.2	96.4	97.7	98.2	100.6	101.2	101.1	▼ -0.1	▲ 4.6
Canadian Imports	4.6	5.3	5.9	5.4	5.9	5.7	5.4	▼ -0.3	▲ 0.1
L48 Power	25.7	29.3	44.8	43.8	37.0	30.2	29.4	▼ -0.8	▲ 0.1
L48 Residential & Commercial	24.4	28.2	8.2	7.8	8.9	16.6	28.9	▲ 12.3	▲ 0.7
L48 Industrial	22.5	23.3	19.4	19.7	20.5	20.6	23.3	▲ 2.7	▼ 0.0
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.7	5.6	▼ 0.0	▲ 0.3
L48 Pipeline Distribution	2.7	3.3	3.1	3.0	2.8	2.9	3.3	▲ 0.5	▲ 0.0
L48 Regional Gas Consumption	80.3	89.5	81.0	79.9	74.7	75.9	90.5	▲ 14.6	▲ 1.0
Net LNG Exports	10.1	11.4	10.9	11.0	11.5	11.3	11.7	▲ 0.4	▲ 0.4
Total Mexican Exports	6.1	6.1	7.0	6.9	6.7	6.6	6.3	▼ -0.3	▲ 0.2
Implied Daily Storage Activity	-0.7	-5.3	4.7	5.8	13.6	13.1	-2.1		
EIA Reported Daily Storage Activity									
Daily Model Error					-0.5				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	84.8	85.7	86.1	87.3	87.8	87.6	88.5	0.8	1.9
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	20.1	19.2	18.8	17.6	17.1	17.3	16.4	-0.8	-1.9
NRC % Nuclear Cap Utilization	86.2	87.1	87.6	88.7	89.3	89.1	89.9	0.9	1.9

Wind Generation Daily Average - MWh (EIA)

	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	DoD	vs. 7D
CALI Wind	364	653	1452	726	1455	898	3957	3059	3032
TEXAS Wind	8480	10989	12560	16290	10743	7519	16682	9162	5585
US Wind	31950	52648	55344	54502	53534	49575	63839	14263	14247

Generation Daily Average - MWh (EIA)

	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	DoD	vs. 7D
US Wind	31950	52648	55344	54502	53534	49575	63839	14263	14247
US Solar	9590	10052	8947	7934	9425	10047	9739	-308	407
US Petroleum	726	927	838	818	324	458	953	496	272
US Other	8180	9332	7983	7575	7896	7795	7817	22	-310
US Coal	74897	89341	81290	79076	80034	80953	82463	1510	1532
US Nuke	78944	90721	91082	92170	92727	92817	93338	521	3595
US Hydro	25199	25628	23506	22391	23120	23302	25666	2364	1809
US Gas	150167	157238	127100	126390	128020	132867	145865	12999	8902

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	86.1	74.1	75.8	77.2	81.2	84.2	3.0	-0.6
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	18.8	30.7	29.1	27.7	23.7	20.7	-3.0	
NRC % Nuclear Cap Utilization	87.6	75.4	77.1	78.5	82.6	85.6	3.1	

Wind Generation Weekly Average - MWh (EIA)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	WoW	WoW Bcf/d Impact
CALI Wind	1495	1974	1641	2226	1221	846	-375	0.1
TEXAS Wind	14691	17228	10904	14751	11139	9361	-1778	0.3
US Wind	56264	64748	44699	61742	37916	39991	2075	-0.4
							5%	
							-0.2	

Generation Weekly Average - MWh (EIA)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	LY	Current	WoW	WoW Bcf/d Impact
US Wind	56264	64748	44699	61742	37916	39991			2075	-0.4
US Solar	9087	13756	11428	10434	10821	9897			-924	0.2
US Petroleum	960	933	990	1023	1067	701			-366	0.1
US Other	8446	9085	10014	9835	8735	8681			-54	0.0
US Coal	82147	69841	75083	61417	66061	78044			11984	-2.2
US Nuke	91272	77718	79723	78225	76194	81512			5318	-1.0
US Hydro	27837	19097	21591	22698	25196	25232			36	0.0
US Gas	150609	148302	157761	148047	152719	152408			-311	-0.1

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				Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22			
NRC Nuclear Daily Output	81.8	82.7	90.5	86.2	76.1	81.8	81.8	5.7	-0.9
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	23.0	22.2	14.3	18.7	28.8	23.1	23.1	-5.7	0.9
NRC % Nuclear Cap Utilization	83.2	84.1	92.1	87.7	77.4	83.2	83.2	5.8	-0.9

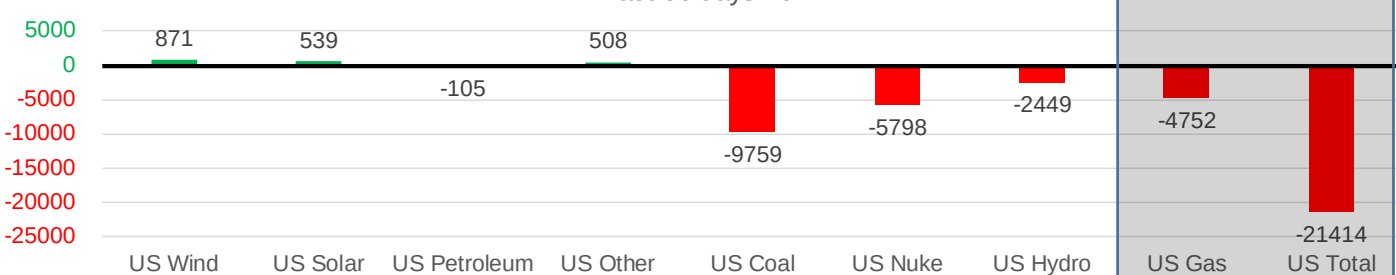
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD				Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22			
CALI Wind	1237	1252	2028	1608	1239	1809	1809	570	557
TEXAS Wind	10460	11869	8440	7993	9916	12628	12628	2712	759
US Wind	46294	49962	33222	38270	43698	50834	50834	7136	871

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD				Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22			
US Wind	46294	49962	33222	38270	43698	50834	50834	▲ 0.0	▲ 871
US Solar	7170	9691	16962	16163	14198	10230	10230	▲ 0.0	▲ 539
US Petroleum	895	1005	1251	864	899	900	900	▲ 0	▼ -105
US Other	8774	8439	10597	10512	10517	8947	8947	▲ 0	▲ 508
US Coal	84313	80762	117203	92002	75808	71003	71003	▲ 0	▼ -9759
US Nuke	85968	87415	92976	89062	78132	81617	81617	▲ 0	▼ -5798
US Hydro	30055	26738	30192	25203	19926	24289	24289	▲ 0	▼ -2449
US Gas	136703	153520	233739	200120	162343	148768	148768	▲ 0	▼ -4752
US Total	399155	417835	535696	470764	405842	396421	396421	▲ 0	▼ -21414

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

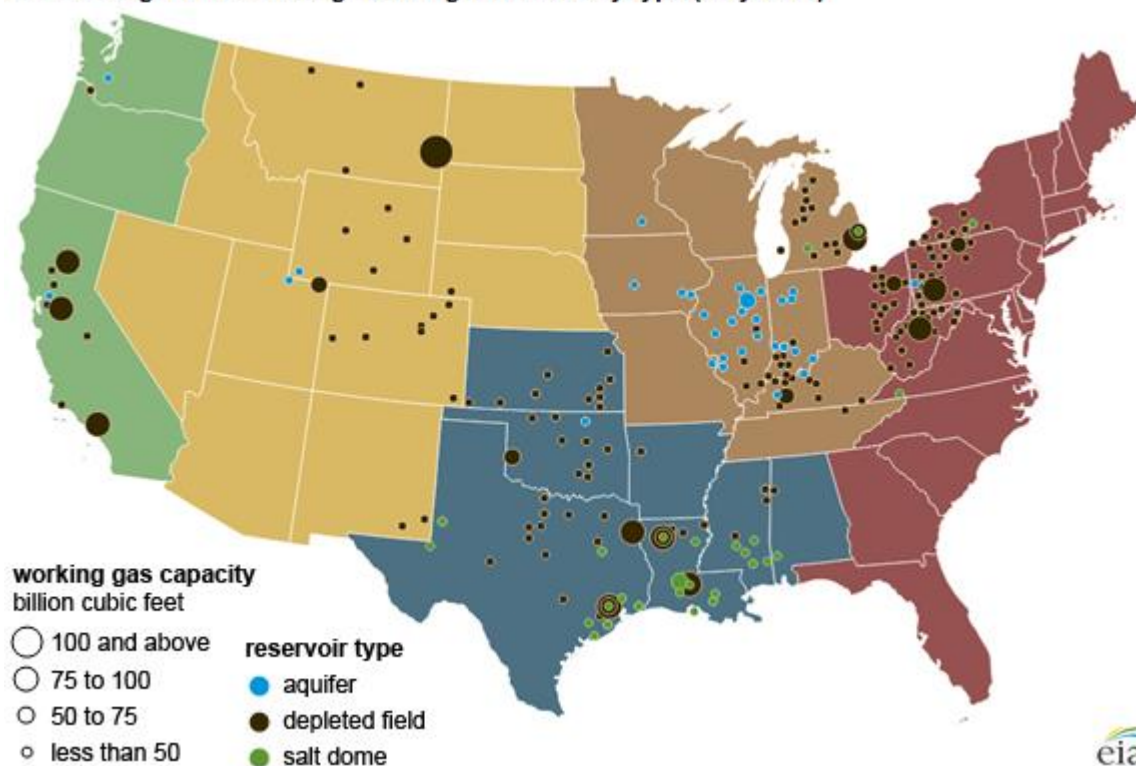
Regional S/D Models Storage Projection

Week Ending 25-Nov

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-11.3	-0.2	-11.5	-81
East	-5.9	2.4	-3.5	-25
Midwest	-4.7	0.1	-4.7	-33
Mountain	3.3	-3.9	-0.5	-4
South Central	-3.3	1.2	-2.0	-14
Pacific	-0.7	0.0	-0.8	-6

*Adjustment Factor is calculated based on historical regional deltas

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

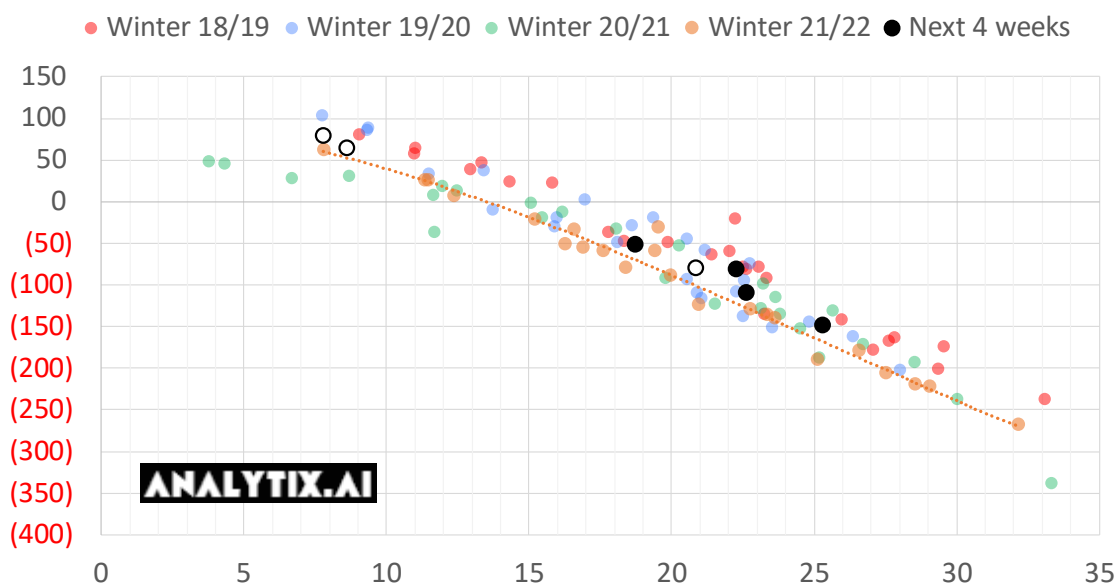


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
25-Nov	22.3	-81
02-Dec	18.7	-51
09-Dec	22.6	-109
16-Dec	25.3	-148

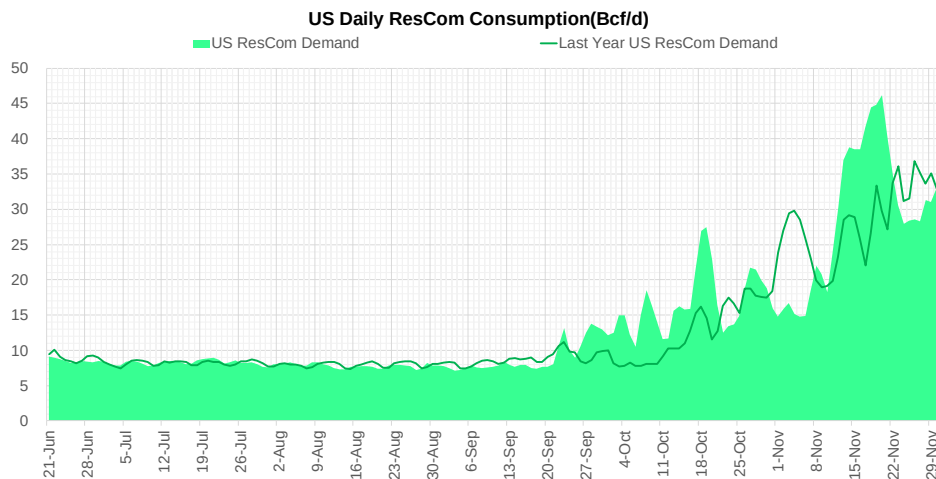
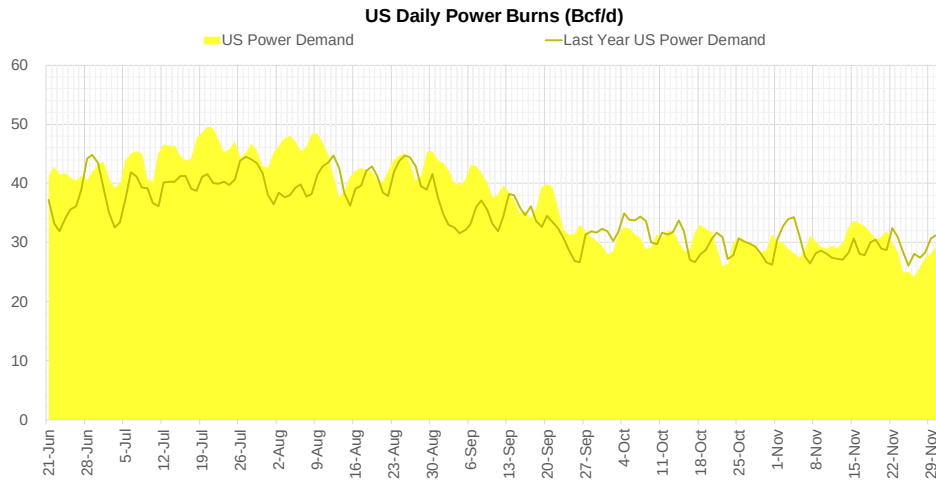
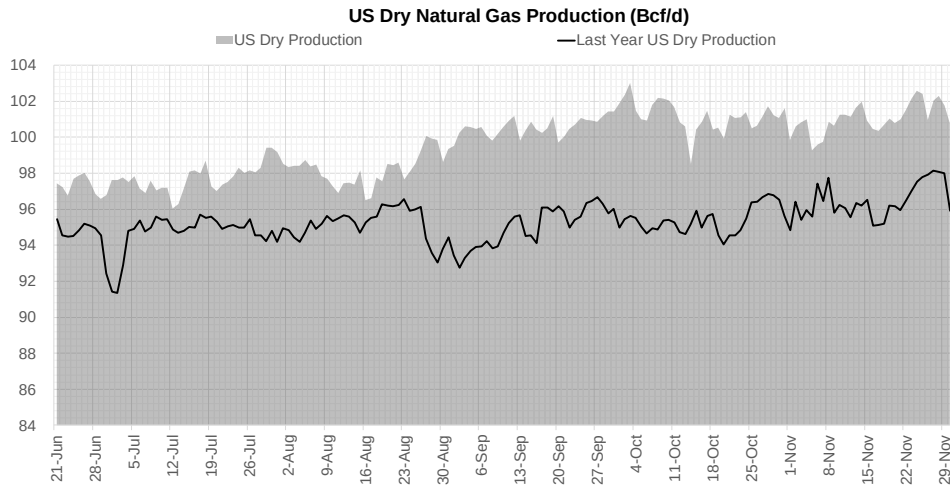
Weather Storage Model - Next 4 Week Forecast



[Go to larger image](#)



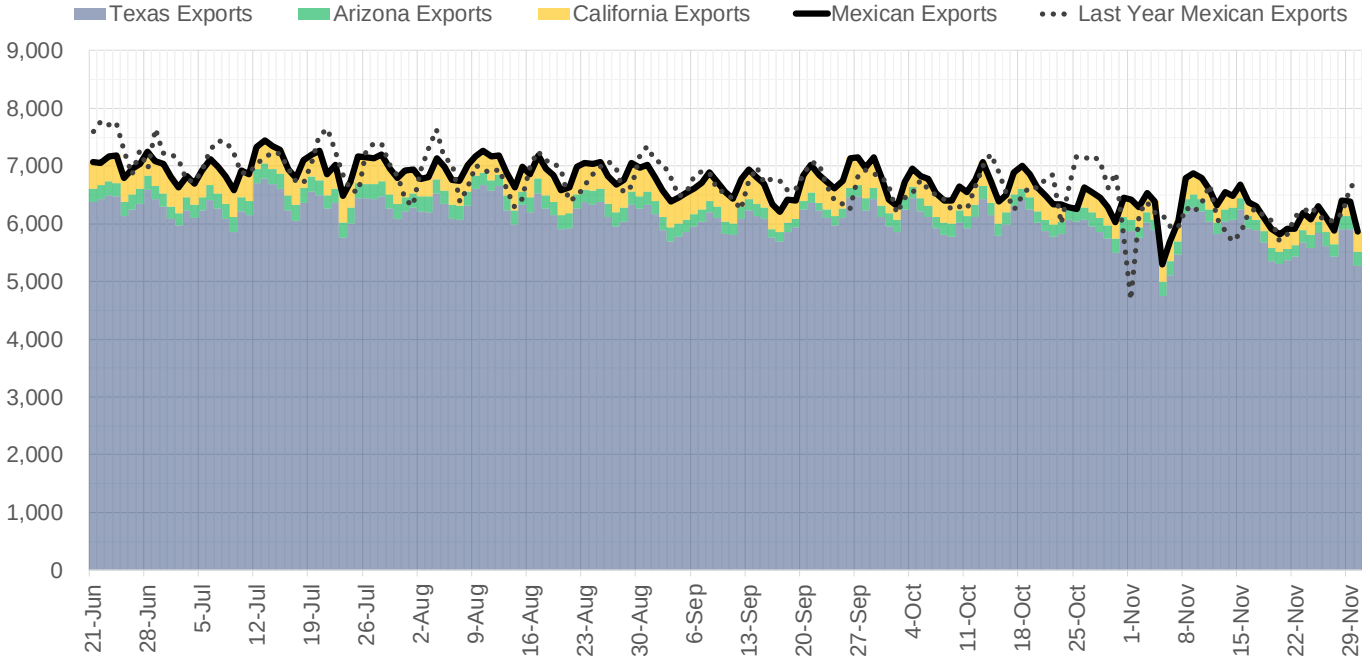
Supply – Demand Trends



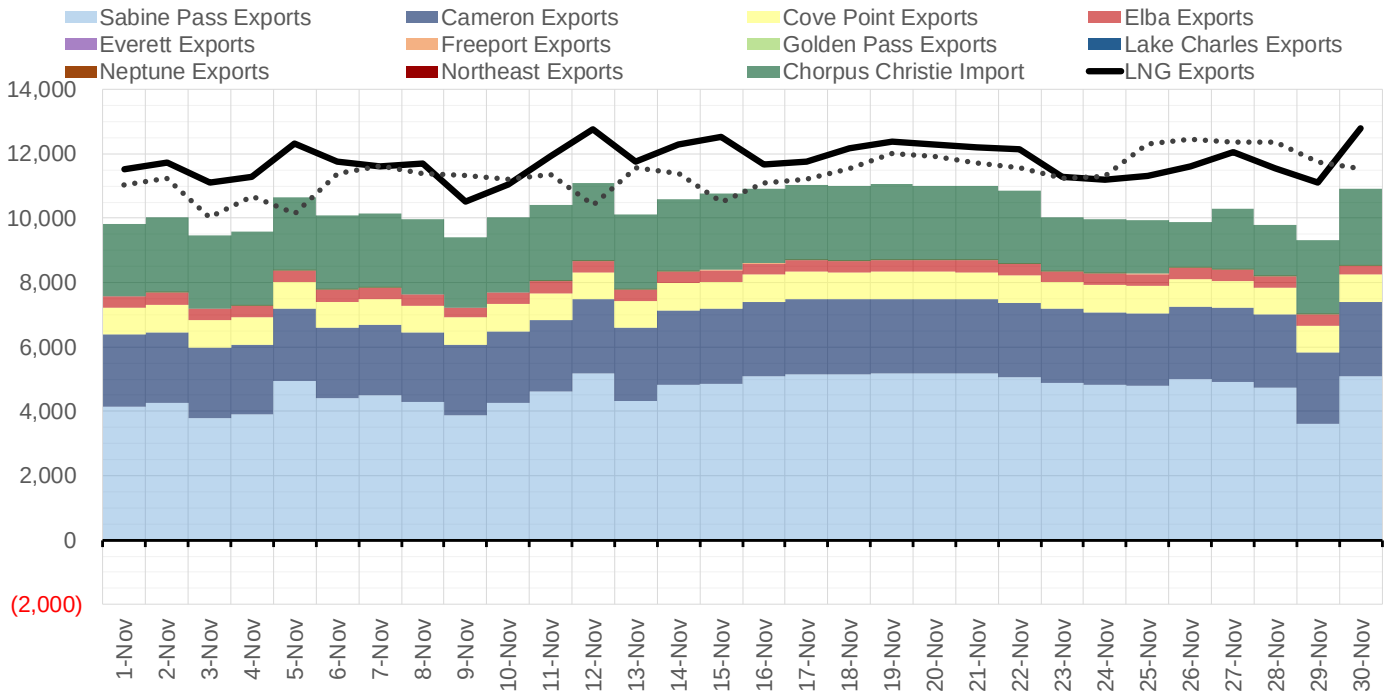
Source: Bloomberg

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.

Mexican Exports (MMcf/d)



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



Source: Bloomberg

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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
1	2023	C	10.00	5485	10	2023	P	3.00	33440
3	2023	P	4.00	4882	3	2023	P	4.00	32038
1	2023	P	4.00	4622	3	2023	C	10.00	31396
3	2023	P	4.80	4251	5	2023	P	2.00	31139
3	2023	P	4.30	3158	1	2023	C	10.00	28934
1	2023	P	5.00	3136	4	2023	P	3.00	27918
1	2023	C	8.00	3051	2	2023	C	12.00	25975
11	2023	C	9.00	3000	5	2023	P	3.00	24478
11	2023	P	4.00	3000	1	2023	P	5.00	24432
3	2023	P	5.00	2855	10	2023	P	2.50	24255
4	2023	P	3.50	2650	7	2023	P	3.00	24252
1	2023	P	4.50	2631	3	2023	P	3.00	23978
1	2023	P	6.00	2617	10	2023	P	2.00	23889
1	2023	P	7.00	2603	6	2023	P	3.00	23680
6	2023	P	3.50	2505	4	2023	P	2.00	23567
5	2023	P	3.50	2500	5	2023	C	6.00	23429
2	2023	C	12.00	2265	4	2023	P	3.50	23405
7	2023	P	3.50	2100	3	2023	P	3.50	22520
8	2023	P	3.50	2100	8	2023	P	3.00	22131
9	2023	P	3.50	2100	9	2023	P	3.00	22080
10	2023	P	3.50	2100	1	2023	P	4.00	21731
1	2023	P	5.50	2081	10	2023	P	4.00	20719
2	2023	P	4.00	2015	2	2023	C	9.00	20359
1	2023	C	7.50	1844	3	2023	C	20.00	20213
1	2023	C	9.00	1787	2	2023	C	10.00	20112
3	2023	C	10.00	1755	2	2023	C	15.00	20104
1	2023	C	8.50	1683	6	2023	P	3.50	19985
1	2023	P	6.50	1669	8	2023	P	2.00	19950
1	2024	P	4.00	1465	5	2023	P	2.50	19831
2	2024	P	4.00	1465	6	2023	P	2.00	19814
3	2024	P	4.00	1465	4	2023	P	4.00	19753
1	2023	C	12.00	1431	7	2023	P	2.00	19750
2	2023	C	11.00	1413	9	2023	P	2.00	19738
2	2023	C	8.00	1377	5	2023	P	3.50	19614
2	2023	C	10.00	1371	4	2023	P	2.75	18780
3	2023	C	12.00	1359	8	2023	P	3.50	18729
1	2024	C	8.00	1175	10	2023	P	3.50	18723
2	2024	C	8.00	1175	7	2023	P	3.50	18529
3	2024	C	8.00	1175	5	2023	P	4.00	18524
2	2023	P	5.00	1172	9	2023	P	3.50	18519
2	2023	C	9.00	1100	1	2023	P	3.00	18375
3	2023	P	4.20	1100	9	2023	P	4.00	18329
1	2023	P	5.25	1051	6	2023	P	2.50	18231
3	2023	P	3.50	1027	6	2023	P	4.00	18226
4	2023	P	4.00	1016	2	2023	C	8.00	18160
3	2023	P	3.00	996	3	2023	P	5.00	18037
1	2023	C	7.00	951	9	2023	P	2.50	17895
4	2023	P	3.00	950	4	2023	P	2.50	17783
6	2023	P	3.00	905	1	2023	P	4.50	17585
					1	2023	C	15	17207

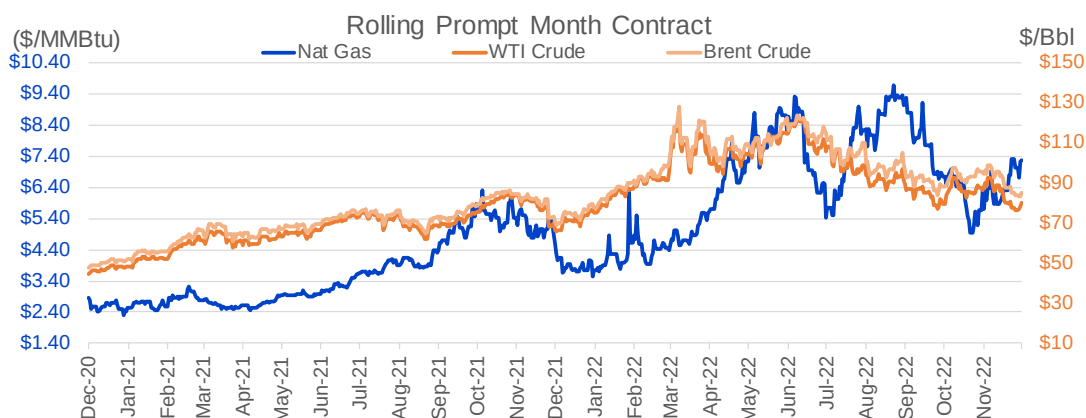
Source: CME, ICE

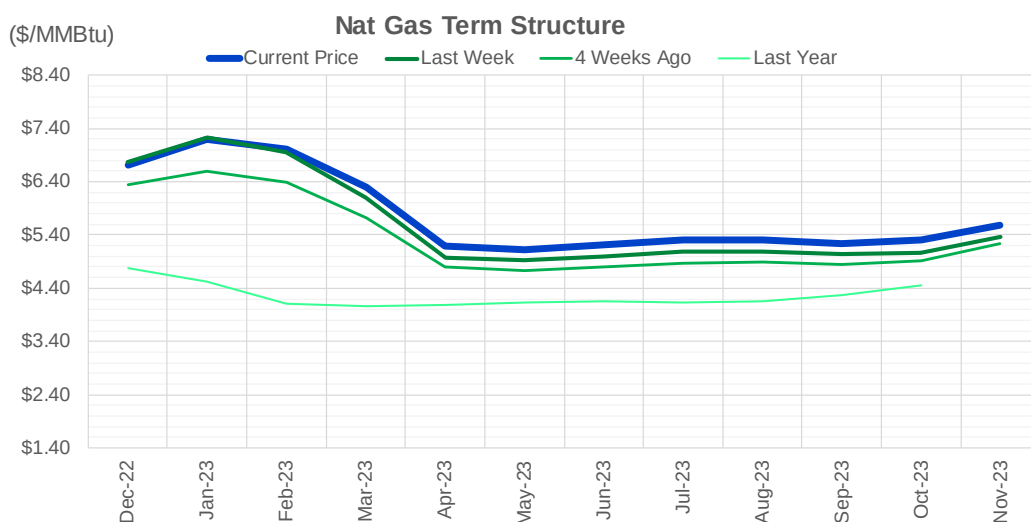
Nat Gas Futures Open Interest

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
JAN 23	157882	930	156952	JAN 23	79725	79648	77
FEB 23	66792	161775	-94983	FEB 23	69207	78170	-8963
MAR 23	118035	66777	51258	MAR 23	69978	68944	1035
APR 23	106124	115970	-9846	APR 23	60180	68424	-8244
MAY 23	93651	104885	-11234	MAY 23	60806	59208	1598
JUN 23	28355	93400	-65045	JUN 23	51690	59957	-8267
JUL 23	31064	28072	2992	JUL 23	51887	51489	398
AUG 23	28702	30372	-1670	AUG 23	50449	51867	-1419
SEP 23	34922	28502	6420	SEP 23	49105	50378	-1273
OCT 23	47969	34439	13530	OCT 23	64419	48810	15609
NOV 23	19733	48355	-28622	NOV 23	48817	64154	-15337
DEC 23	30138	19471	10667	DEC 23	45555	48789	-3235
JAN 24	38137	30122	8015	JAN 24	48464	45293	3171
FEB 24	13499	37608	-24109	FEB 24	31673	47913	-16241
MAR 24	24692	12999	11693	MAR 24	38998	31404	7594
APR 24	23929	24813	-884	APR 24	33988	38820	-4832
MAY 24	10740	24034	-13294	MAY 24	32010	33497	-1488
JUN 24	3604	10492	-6888	JUN 24	28386	31727	-3341
JUL 24	5150	3584	1566	JUL 24	27911	28212	-301
AUG 24	4489	4905	-416	AUG 24	27033	27656	-623
SEP 24	3882	4454	-572	SEP 24	26712	26809	-97
OCT 24	10087	3805	6282	OCT 24	30917	26509	4408
NOV 24	4980	10086	-5106	NOV 24	27639	30699	-3061
DEC 24	8726	4976	3750	DEC 24	31620	27536	4084
JAN 25	18946	8721	10225	JAN 25	25770	31507	-5737
FEB 25	1894	18668	-16774	FEB 25	15908	25732	-9825
MAR 25	6225	1880	4345	MAR 25	17631	15858	1773
APR 25	6831	6224	607	APR 25	17166	17622	-456
MAY 25	2815	6856	-4041	MAY 25	16180	17104	-925
JUN 25	2676	2815	-139	JUN 25	15027	16087	-1060

Source: CME, ICE



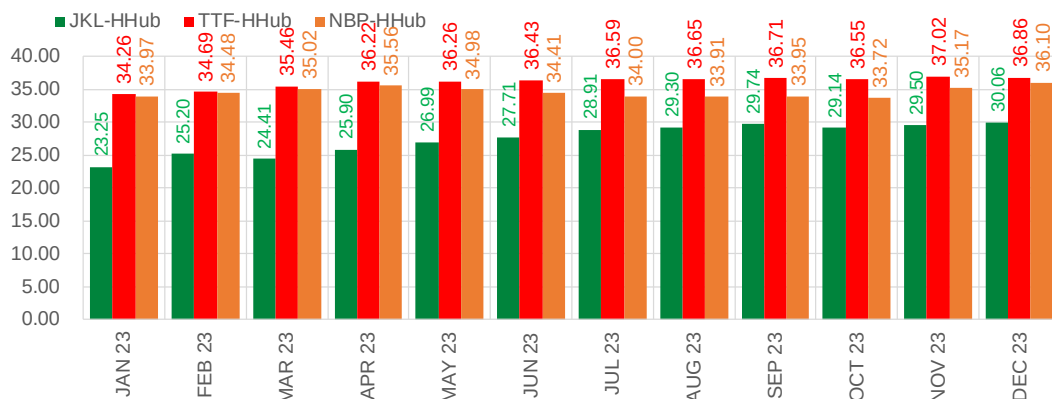
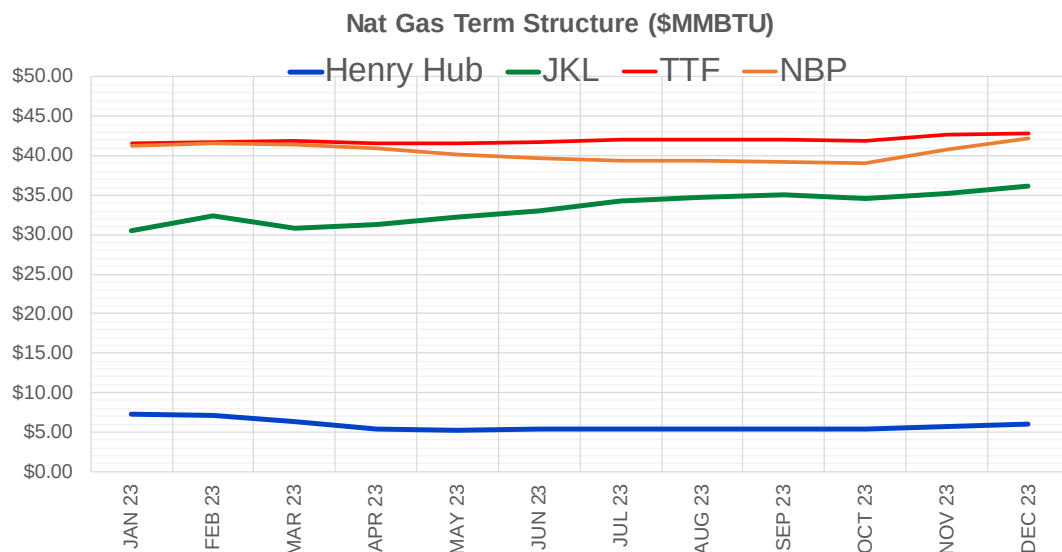


	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Current Price	\$6.712	\$7.196	\$7.018	\$6.299	\$5.197	\$5.131	\$5.212	\$5.298	\$5.304	\$5.248	\$5.309	\$5.584
Last Week	\$6.776	\$7.223	\$6.962	\$6.111	\$4.966	\$4.917	\$4.995	\$5.077	\$5.089	\$5.032	\$5.076	\$5.369
vs. Last Week	-\$0.064	-\$0.027	\$0.056	\$0.188	\$0.231	\$0.214	\$0.217	\$0.221	\$0.215	\$0.216	\$0.233	\$0.215
4 Weeks Ago	\$6.355	\$6.607	\$6.379	\$5.717	\$4.793	\$4.728	\$4.795	\$4.865	\$4.883	\$4.843	\$4.907	\$5.249
vs. 4 Weeks Ago	\$0.357	\$0.589	\$0.639	\$0.582	\$0.404	\$0.403	\$0.417	\$0.433	\$0.421	\$0.405	\$0.402	\$0.335
Last Year	\$4.854	\$4.768	\$4.521	\$4.106	\$4.064	\$4.095	\$4.137	\$4.144	\$4.126	\$4.165	\$4.261	\$4.444
vs. Last Year	\$1.858	\$2.428	\$2.497	\$2.193	\$1.133	\$1.036	\$1.075	\$1.154	\$1.178	\$1.083	\$1.048	\$1.140

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	5.90	22.83	16.93
TETCO M3	\$/MMBtu	5.56	9.57	4.01
FGT Zone 3	\$/MMBtu	5.81	7.28	1.47
Zone 6 NY	\$/MMBtu	5.81	10.04	4.23
Chicago Citygate	\$/MMBtu	5.59	7.01	1.42
Michcon	\$/MMBtu	5.56	6.44	0.88
Columbia TCO Pool	\$/MMBtu	5.17	6.00	0.84
Ventura	\$/MMBtu	5.44	7.65	2.21
Rockies/Opal	\$/MMBtu	12.14	6.94	-5.19
El Paso Permian Basin	\$/MMBtu	5.38	5.17	-0.21
Socal Citygate	\$/MMBtu	11.66	9.56	-2.10
Malin	\$/MMBtu	13.45	8.96	-4.50
Houston Ship Channel	\$/MMBtu	5.44	6.13	0.68
Henry Hub Cash	\$/MMBtu	6.00	6.26	0.26
AECO Cash	C\$/GJ	5.15	5.13	-0.02
Station2 Cash	C\$/GJ	3.74	10.14	6.40
Dawn Cash	C\$/GJ	5.67	6.65	0.98

Source: CME, Bloomberg

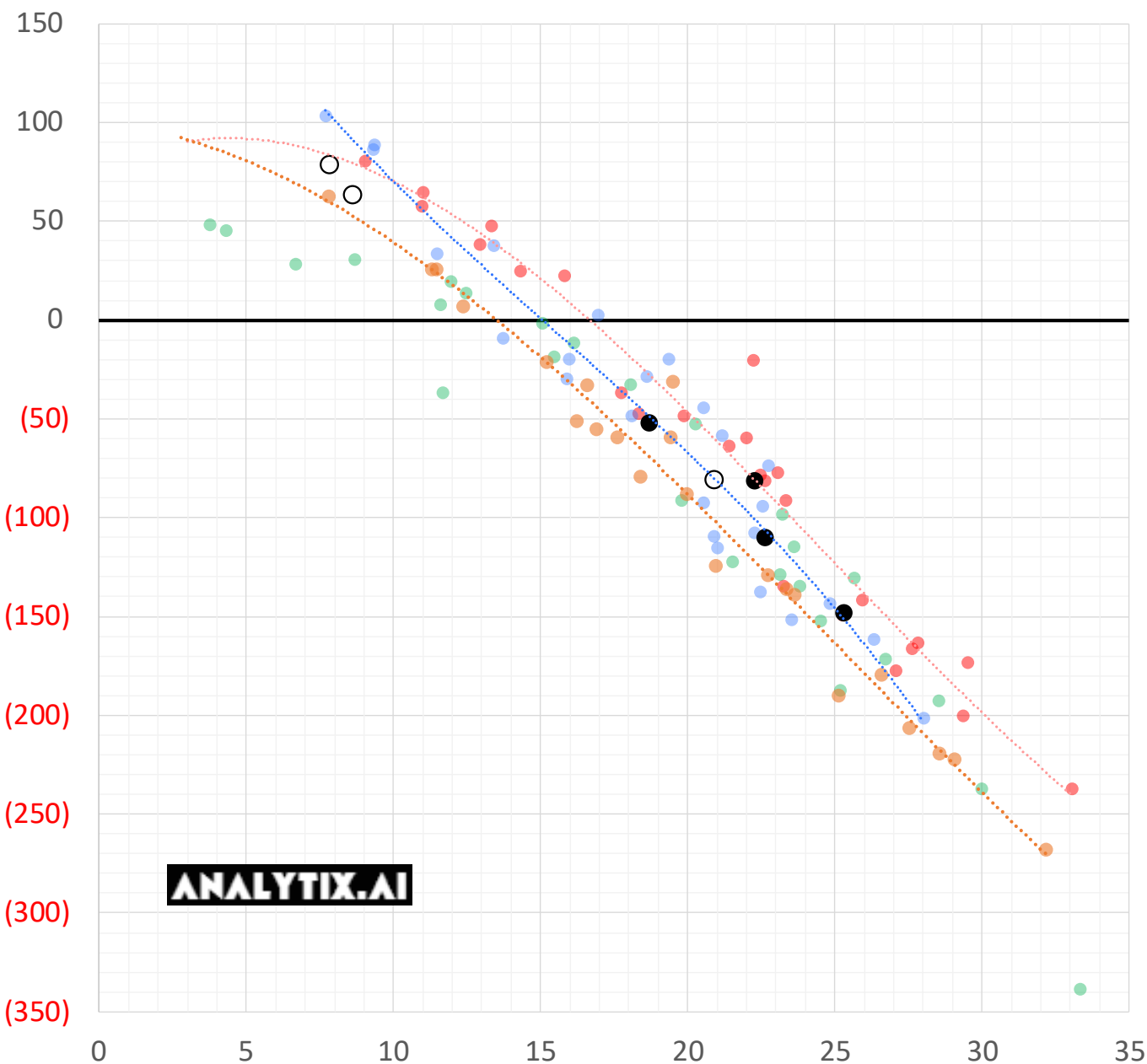
	Units	Current Price	vs. Last Week	vs. 4 Weeks		vs. Last Year
				Ago		
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000		▲ 0.000
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000		▲ 0.000
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000		▼ -0.543
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000		▲ 1.454
WTI Crude	\$/Bbl	78.20	▼ -2.750	▼ -10.170		▲ 12.020
Brent Crude	\$/Bbl	83.03	▼ -5.330	▼ -11.620		▲ 12.460
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000		▲ 0.000
Heating Oil	cents/Gallon	329.59	▼ -17.540	▼ -32.520		▲ 123.210
Propane, Mt. Bel	cents/Gallon	0.85	▼ -0.008	▼ -0.026		▼ -0.408
Ethane, Mt. Bel	cents/Gallon	0.40	▲ 0.000	▲ 0.020		▲ 0.001
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				



	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23	DEC 23
Henry Hub	\$7.255	\$7.121	\$6.369	\$5.351	\$5.260	\$5.340	\$5.413	\$5.411	\$5.364	\$5.428	\$5.686	\$6.052
JKL	\$30.505	\$32.320	\$30.780	\$31.250	\$32.245	\$33.045	\$34.320	\$34.710	\$35.100	\$34.570	\$35.190	\$36.110
JKL-HHub	\$23.250	\$25.199	\$24.411	\$25.899	\$26.985	\$27.705	\$28.907	\$29.299	\$29.736	\$29.142	\$29.504	\$30.058
TTF	\$41.513	\$41.813	\$41.833	\$41.569	\$41.521	\$41.768	\$42.002	\$42.057	\$42.072	\$41.980	\$42.708	\$42.913
TTF-HHub	\$34.258	\$34.692	\$35.464	\$36.218	\$36.261	\$36.428	\$36.589	\$36.646	\$36.708	\$36.552	\$37.022	\$36.861
NBP	\$41.229	\$41.603	\$41.391	\$40.909	\$40.240	\$39.753	\$39.417	\$39.317	\$39.310	\$39.146	\$40.856	\$42.152
NBP-HHub	\$33.974	\$34.482	\$35.022	\$35.558	\$34.980	\$34.413	\$34.004	\$33.906	\$33.946	\$33.718	\$35.170	\$36.100

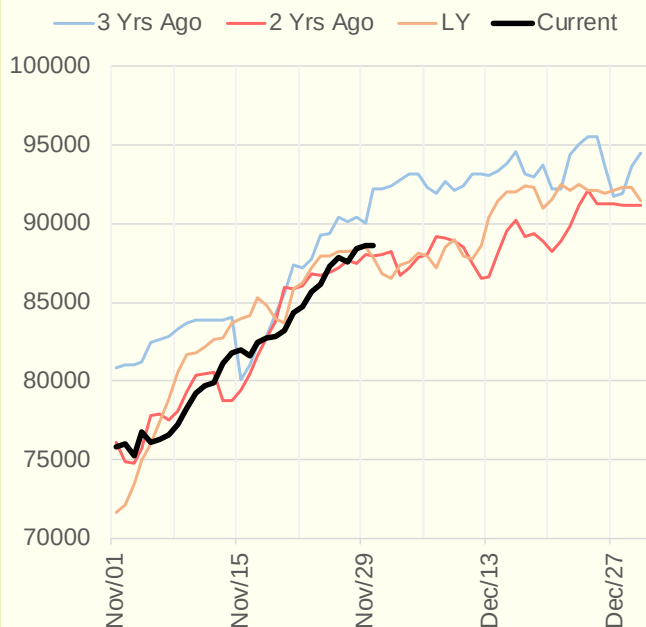
Weather Storage Model - Next 4 Week Forecast

● Winter 18/19 ● Winter 19/20 ● Winter 20/21 ● Winter 21/22 ● Next 4 weeks

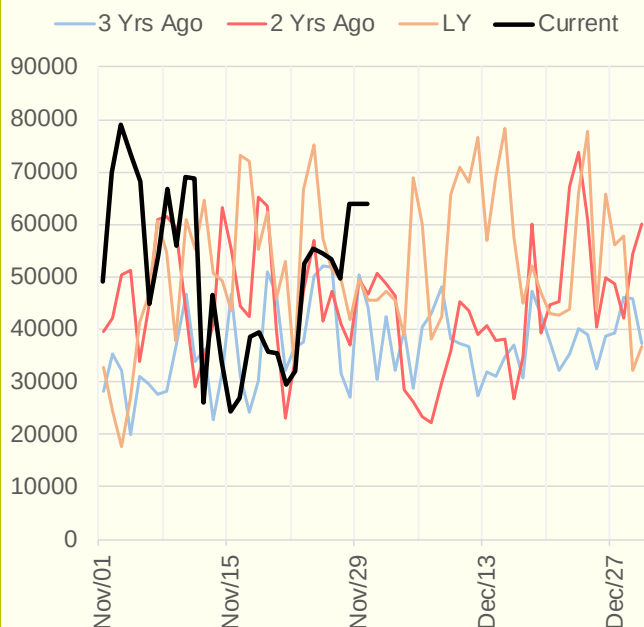


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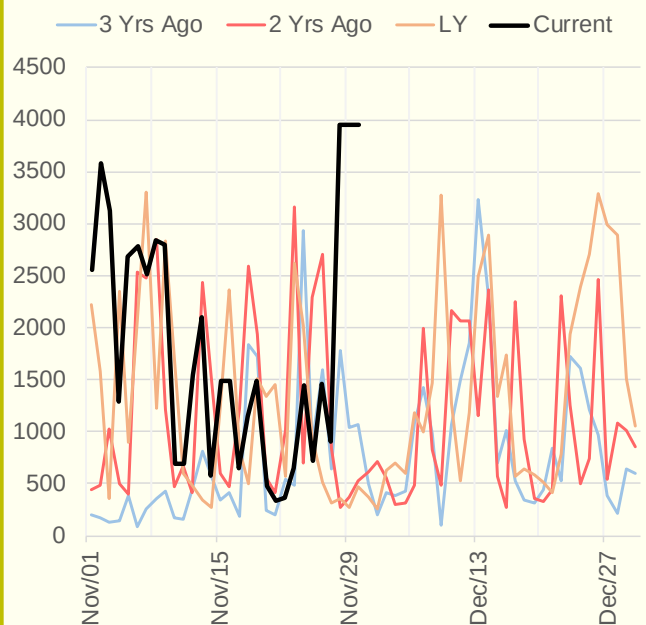
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

