

## **23 February 2022**



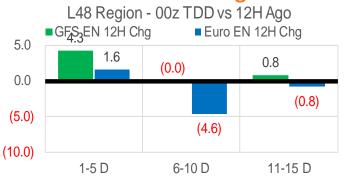
	Cı	urrent	Δ from YD		m 7D vg
WTI Prompt	\$	91.64	<b>\$</b> (0.71)	<b>~</b> \$	(0.1)

	_	urront	Δ from YD	∆ fron	1 7D
C	urreni	םו וווטוו ב	A)		
Brent Prompt	\$	96.69	<b>*</b> \$ (0.15)	<b>\$</b>	2.3
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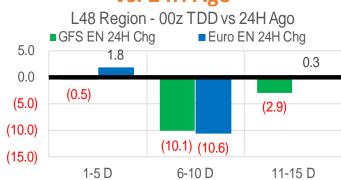
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Nat Gas Futures Open Interest
Price Summary

### Vs. 12H Ago



### Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	91.9	<b>▼</b> -2.73	<b>▼</b> -3.62

	Current	Δ from YD	Δ from 7D Avg
US ResComm	40.5	<b>▲</b> 6.57	<b>3.75</b>

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.4	<b>a</b> 0.95	▼ -0.86

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	23.2	<b>▼</b> -0.57	▼ -3.37

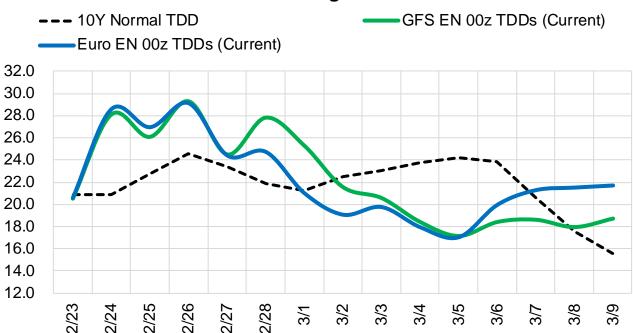
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.6	<b>a</b> 0.10	<b>-</b> 0.39

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.2	<b>a</b> 0.05	<b>a</b> 0.21

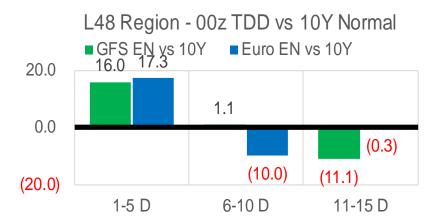


### Short-term Weather Model Outlooks (00z)

### L48 Region



### Vs. 10Y Normal



Source: WSI, Bloomberg



## Lower 48 Component Models

#### **Daily Balances**

95.7	95.5	95.9						
		90.9	95.1	95.6	94.6	91.9	▼ -2.7	▼ -3.5
6.0	6.3	6.5	6.2	5.7	5.5	5.6	<b>0.1</b>	▼ -0.4
23.8	25.4	29.8	29.6	29.5	23.8	23.2	▼-0.6	▼ -3.7
32.8	42.9	46.2	38.6	31.5	33.9	40.5	<b>6.6</b>	<b>2.9</b>
26.6	27.7	27.6	26.5	25.6	25.8	26.4	<b>0.7</b>	<b>▼</b> -0.2
5.2	5.2	5.2	5.2	5.2	5.2	5.0	▼ -0.2	<b>▼</b> -0.2
2.7	3.2	3.6	3.2	2.9	2.7	3.0	<b>0.3</b>	▼ 0.0
91.2	104.4	112.5	103.1	94.7	91.4	98.2	<b>6.8</b>	▼ -1.4
13.24	13.48	13.31	11.81	10.66	10.46	11.41	<b>0.9</b>	▼ -0.8
6.0	6.1	5.8	5.7	6.0	6.2	6.2	▲ 0.0	<b>0.2</b>
-8.7	-22.3	-29.2	-19.4	-10.1	-7.9	-18.3		
	32.8 26.6 5.2 2.7 91.2 13.24 6.0	23.8 25.4 32.8 42.9 26.6 27.7 5.2 5.2 2.7 3.2 91.2 104.4 13.24 13.48 6.0 6.1	23.8     25.4     29.8       32.8     42.9     46.2       26.6     27.7     27.6       5.2     5.2     5.2       2.7     3.2     3.6       91.2     104.4     112.5       13.24     13.48     13.31       6.0     6.1     5.8	23.8     25.4     29.8     29.6       32.8     42.9     46.2     38.6       26.6     27.7     27.6     26.5       5.2     5.2     5.2     5.2       2.7     3.2     3.6     3.2       91.2     104.4     112.5     103.1       13.24     13.48     13.31     11.81       6.0     6.1     5.8     5.7	23.8       25.4       29.8       29.6       29.5         32.8       42.9       46.2       38.6       31.5         26.6       27.7       27.6       26.5       25.6         5.2       5.2       5.2       5.2       5.2         2.7       3.2       3.6       3.2       2.9         91.2       104.4       112.5       103.1       94.7         13.24       13.48       13.31       11.81       10.66         6.0       6.1       5.8       5.7       6.0	23.8         25.4         29.8         29.6         29.5         23.8           32.8         42.9         46.2         38.6         31.5         33.9           26.6         27.7         27.6         26.5         25.6         25.8           5.2         5.2         5.2         5.2         5.2         5.2           2.7         3.2         3.6         3.2         2.9         2.7           91.2         104.4         112.5         103.1         94.7         91.4           13.24         13.48         13.31         11.81         10.66         10.46           6.0         6.1         5.8         5.7         6.0         6.2	23.8         25.4         29.8         29.6         29.5         23.8         23.2           32.8         42.9         46.2         38.6         31.5         33.9         40.5           26.6         27.7         27.6         26.5         25.6         25.8         26.4           5.2         5.2         5.2         5.2         5.2         5.0           2.7         3.2         3.6         3.2         2.9         2.7         3.0           91.2         104.4         112.5         103.1         94.7         91.4         98.2           13.24         13.48         13.31         11.81         10.66         10.46         11.41           6.0         6.1         5.8         5.7         6.0         6.2         6.2	23.8       25.4       29.8       29.6       29.5       23.8       23.2       ▼-0.6         32.8       42.9       46.2       38.6       31.5       33.9       40.5       6.6         26.6       27.7       27.6       26.5       25.6       25.8       26.4       0.7         5.2       5.2       5.2       5.2       5.2       5.0       ▼-0.2         2.7       3.2       3.6       3.2       2.9       2.7       3.0       0.3         91.2       104.4       112.5       103.1       94.7       91.4       98.2       6.8         13.24       13.48       13.31       11.81       10.66       10.46       11.41       △ 0.9         6.0       6.1       5.8       5.7       6.0       6.2       6.2       △ 0.0

#### **EIA Storage Week Balances**

14-Jan	21-Jan	28-Jan	4-Feb	11-Feb	18-Feb	WoW	vs. 4W
95.0	94.7	94.5	94.4	92.0	96.0	<b>4.0</b>	<b>2.1</b>
6.5	7.0	7.1	7.1	7.1	6.2	▼-0.9	▼-0.9
30.4	30.3	32.1	29.8	29.4	26.6	<b>▼</b> -2.8	▼-3.8
46.3	47.1	52.8	48.2	45.0	39.6	<b>▼</b> -5.4	▼ -8.7
26.8	28.0	27.6	28.2	25.8	27.0	<b>1.2</b>	<b>-</b> 0.4
5.2	5.2	5.2	5.2	5.0	5.2	<b>0.2</b>	<b>0.1</b>
3.7	3.8	4.1	3.7	3.5	3.1	<b>-0.4</b>	<b>-</b> 0.7
112.4	114.3	121.7	115.1	108.8	101.6	▼ -7.2	▼-13.4
12.3	12.9	12.5	12.1	12.4	13.0	<b>0.6</b>	<b>0.5</b>
6.3	6.4	6.5	6.4	6.1	6.0	▼ -0.1	▼-0.3
-29.5 -29.4	-32.0 -31.3	-39.0 -38.3	-32.1 -31.7	-28.2 -27.1	-18.4	9.8	
	95.0 6.5 30.4 46.3 26.8 5.2 3.7 112.4 12.3 6.3	95.0     94.7       6.5     7.0       30.4     30.3       46.3     47.1       26.8     28.0       5.2     5.2       3.7     3.8       112.4     114.3       12.3     12.9       6.3     6.4       -29.5     -32.0       -29.4     -31.3	95.0         94.7         94.5           6.5         7.0         7.1           30.4         30.3         32.1           46.3         47.1         52.8           26.8         28.0         27.6           5.2         5.2         5.2           3.7         3.8         4.1           112.4         114.3         121.7           12.3         12.9         12.5           6.3         6.4         6.5           -29.5         -32.0         -39.0           -29.4         -31.3         -38.3	95.0         94.7         94.5         94.4           6.5         7.0         7.1         7.1           30.4         30.3         32.1         29.8           46.3         47.1         52.8         48.2           26.8         28.0         27.6         28.2           5.2         5.2         5.2         5.2           3.7         3.8         4.1         3.7           112.4         114.3         121.7         115.1           12.3         12.9         12.5         12.1           6.3         6.4         6.5         6.4           -29.5         -32.0         -39.0         -32.1           -29.4         -31.3         -38.3         -31.7	95.0         94.7         94.5         94.4         92.0           6.5         7.0         7.1         7.1         7.1           30.4         30.3         32.1         29.8         29.4           46.3         47.1         52.8         48.2         45.0           26.8         28.0         27.6         28.2         25.8           5.2         5.2         5.2         5.0           3.7         3.8         4.1         3.7         3.5           112.4         114.3         121.7         115.1         108.8           12.3         12.9         12.5         12.1         12.4           6.3         6.4         6.5         6.4         6.1           -29.5         -32.0         -39.0         -32.1         -28.2           -29.4         -31.3         -38.3         -31.7         -27.1	95.0         94.7         94.5         94.4         92.0         96.0           6.5         7.0         7.1         7.1         7.1         6.2           30.4         30.3         32.1         29.8         29.4         26.6           46.3         47.1         52.8         48.2         45.0         39.6           26.8         28.0         27.6         28.2         25.8         27.0           5.2         5.2         5.2         5.0         5.2           3.7         3.8         4.1         3.7         3.5         3.1           112.4         114.3         121.7         115.1         108.8         101.6           12.3         12.9         12.5         12.1         12.4         13.0           6.3         6.4         6.5         6.4         6.1         6.0           -29.5         -32.0         -39.0         -32.1         -28.2         -18.4           -29.4         -31.3         -38.3         -31.7         -27.1	95.0       94.7       94.5       94.4       92.0       96.0       ▲ 4.0         6.5       7.0       7.1       7.1       7.1       6.2       ▼ -0.9         30.4       30.3       32.1       29.8       29.4       26.6       ▼ -2.8         46.3       47.1       52.8       48.2       45.0       39.6       ▼ -5.4         26.8       28.0       27.6       28.2       25.8       27.0       ▲ 1.2         5.2       5.2       5.2       5.0       5.2       ▲ 0.2         3.7       3.8       4.1       3.7       3.5       3.1       ▼ -0.4         112.4       114.3       121.7       115.1       108.8       101.6       ▼ -7.2         12.3       12.9       12.5       12.1       12.4       13.0       ▲ 0.6         6.3       6.4       6.5       6.4       6.1       6.0       ▼ -0.1         -29.5       -32.0       -39.0       -32.1       -28.2       -18.4       9.8         -29.4       -31.3       -38.3       -31.7       -27.1       -27.1

Monthly Balances									
•	2Yr Ago	LY					MTD		
	Feb-20	Feb-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	MoM	vs. LY
Lower 48 Dry Production	94.2	84.3	94.3	95.6	96.9	94.9	94.0	▼-0.8	<b>9.7</b>
Canadian Imports	5.3	6.4	5.4	5.3	4.8	6.7	6.6	▼ -0.1	<b>0.2</b>
L48 Power	30.2	27.6	30.5	29.1	28.4	30.8	28.1	<b>▼</b> -2.7	<b>0.4</b>
L48 Residential & Commercial	40.6	48.1	12.4	27.1	32.6	48.3	41.8	▼-6.6	<b>▼</b> -6.3
L48 Industrial	25.1	21.1	21.1	24.3	25.1	27.7	26.6	<b>▼</b> -1.0	<b>5.6</b>
L48 Lease and Plant Fuel	5.1	4.6	5.2	5.2	5.3	5.2	5.1	▼ -0.1	<b>0.5</b>
L48 Pipeline Distribution	3.5	3.6	2.4	2.9	3.0	3.8	3.3	▼ -0.5	▼-0.3
L48 Regional Gas Consumption	104.5	104.9	71.6	88.7	94.4	115.8	104.9	▼-10.9	▼ 0.0
Net LNG Exports	8.5	8.4	10.6	11.4	12.1	12.4	12.5	<b>0.1</b>	<b>4.0</b>
Total Mexican Exports	5.2	5.7	6.6	6.1	6.2	6.3	6.1	▼ -0.2	<b>0.4</b>
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	-18.7	-28.4	10.9	-5.3	-11.0	-32.9	-22.8		

Source: Bloomberg, analytix.ai



## **Daily** Average Generation Data

#### **Nuclear Generation Daily Average - GWh (NRC)**

	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	DoD	vs. 7D
NRC Nuclear Daily Output	88.2	88.2	88.5	88.5	87.0	87.3	86.3	-0.9	-1.6
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	16.7	16.7	16.3	16.3	17.8	17.6	18.5	0.9	1.6
NRC % Nuclear Cap Utilization	89.6	89.6	90.0	90.0	88.5	88.7	87.8	-0.9	-1.6

#### Wind Generation Daily Average - MWh (EIA)

	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	DoD	vs. 7D
CALI Wind	4765	3356	1404	749	823	2653	4085	1433	1794
TEXAS Wind	21879	21139	18341	5585	10436	19456	21112	1656	4973
US Wind	77882	83983	69559	54906	59392	79854	80104	250	9175

#### **Generation Daily Average - MWh (EIA)**

	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	DoD	vs. 7D
US Wind	77882	83983	69559	54906	59392	79854	80104	250	9175
US Solar	10259	10670	10269	13210	13903	14283	10114	-4169	-1985
US Petroleum	5651	3121	3051	2526	2906	2148	2043	-104	-1191
US Other	10001	8368	8002	7660	7656	7716	8160	443	-74
US Coal	106540	94693	97889	103390	99519	86267	89165	2897	-8885
US Nuke	93280	93172	93149	92491	91935	92105	91125	-980	-1564
US Hydro	32632	31442	31602	33917	32680	32174	33192	1019	785
US Gas	140804	120022	125765	151754	145985	119540	119207	-333	-14772

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai



**US Gas** 

## **Storage Week** Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)											
	14-Jan	21-Jan	28-Jan	4-Feb	11-Feb	18-Feb	WoW	WoW Bcf/d Impact			
NRC Nuclear Daily Output	90.6	89.7	89.7	89.5	87.6	88.2	0.6	-0.1			
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0				
NRC Nuclear Outage	14.3	15.1	15.2	15.4	17.3	16.7	-0.6				
NRC % Nuclear Cap Utilization	0.1	0.1	0.1	0.1	0.1	0.1	0.0				
Wind Generation Weekly Average - MWh (EIA)											
								WoW			
	14-Jan	21-Jan	28-Jan	4-Feb	11-Feb	18-Feb	WoW	Bcf/d Impact			
CALI Wind	1266	1273	1580	1627	1156	2105	949	-0.2			
TEXAS Wind	10192	15630	7185	12223	9259	16874	7615	-1.4			
US Wind	50716	55686	45244	53914	53944	63318	9374	-1.7			
					30.0		1.8				
					0%		1.8				
<b>Generation Weekly Average</b>	- MWh (EIA	)					1.2				
	•					est.					
								WoW			
	14-Jan	21-Jan	28-Jan	4-Feb	11-Feb	18-Feb	WoW	Bcf/d			
								Impact			
US Wind	50716	55686	45244	53914	53944	63318	9374	-1.7			
US Solar	9389	8609	10087	10457	12288	12094	-194	0.0			
US Petroleum	4915	5260	5993	4672	3554	4126	573	-0.1			
US Other	8254	8109	9663	9656	9374	9042	-333	0.1			
US Coal	115096	117880	130576	124851	113847	101772	-12075	2.2			
US Nuke	95713	94657	94693	94661	92640	92758	118	0.0			
US Hydro	34200	34490	34134	31807	32213	31899	-314	0.1			

See National Wind and Nuclear daily charts

156870

177834

159397

162271

161930

Source: Bloomberg, analytix.ai

-24495



## **Monthly** Average Generation Data

Monthly Average Of	eneration Data
Nuclear Generation Monthly Average - GWh (NRC)	
2Vn Ann 1 V	MTD

	2 Yr Ago	LY				MID			
	Same 30 days	Same 30 days	Nov-21	Dec-21	Jan-22	Feb-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
NRC Nuclear Daily Output	91.4	90.2	82.8	90.3	90.2	87.8	88.1	-2.4	-2.1
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	13.4	14.6	22.0	14.6	14.7	17.1	16.7	2.4	2.1
NRC % Nuclear Cap Utilization	93.0	91.8	84.2	91.8	91.7	89.3	89.6	-2.4	-2.1

#### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	ĹY				MTD			
	Same 30 days	Same 30 days	Nov-21	Dec-21	Jan-22	Feb-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
CALI Wind	1381	1907	1224	1585	1364	1979	1801	614	-105
TEXAS Wind	9807	9388	11678	12927	11355	14248	13102	2893	3714
US Wind	35785	39696	49838	54810	51165	63193	58960	12028	19263

#### **Generation Monthly Average - MWh (EIA)**

Concretion monthly / trolage	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Nov-21	Dec-21	Jan-22	Feb-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
US Wind	35785	39696	49838	54810	51165	63193	58960	▼-4233.0	<b>19263</b>
US Solar	6408	7715	9688	7376	9476	11824	11543	<b>▼</b> -280.9	<b>3828</b>
US Petroleum	3415	3312	3022	3135	5021	3335	3896	<b>561</b>	<b>583</b>
US Other	7047	7826	8445	8222	8792	8872	9118	<b>246</b>	<b>1292</b>
US Coal	78886	132272	80906	81617	118026	104738	111195	<b>4</b> 6456	▼-21077
US Nuke	92394	95441	87558	95449	95259	92646	93080	<b>434</b>	<b>▼ -2360</b>
US Hydro	36253	33460	26649	30826	34108	32207	32370	<b>163</b>	<b>▼</b> -1090
US Gas	165686	156274	151991	152627	164026	144866	150589	<b>3345</b>	<b>▼ -5686</b>
US Total	428397	474237	418455	434177	485997	462159	471199	<b>10924</b>	▼ -3038



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai



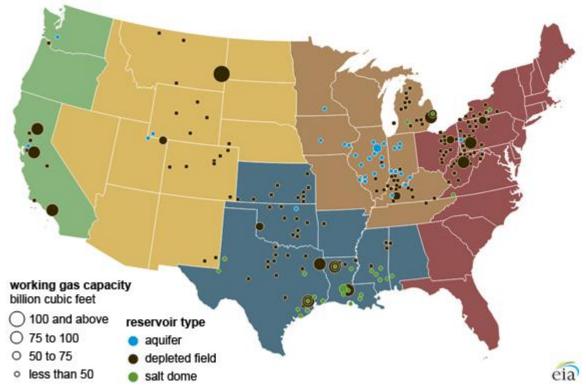
## Regional S/D Models Storage Projection

Week Ending 18-Feb

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-18.2	0.8	-17.4	-122
East	-8.0	1.8	-6.1	-43
Midwest	-5.9	-0.2	-6.1	-43
Mountain	2.2	-3.3	-1.1	-8
South Central	-6.8	3.0	-3.8	-27
Pacific	0.3	-0.6	-0.3	-2

<sup>\*</sup>Adjustment Factor is calcuated 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
18-Feb	23	-122
25-Feb	23	-140
04-Mar	24	-150
11-Mar	18	-74

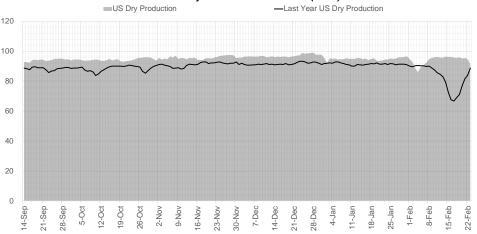
### Weather Storage Model - Next 4 Week Forecast



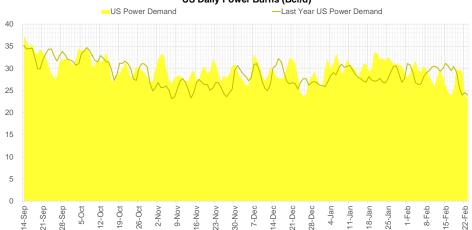


### Supply - Demand Trends

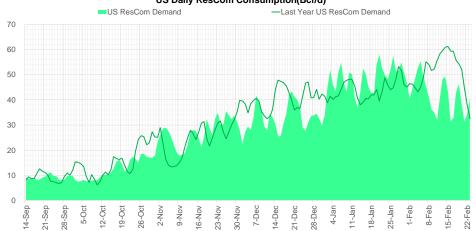
#### US Dry Natural Gas Production (Bcf/d)



#### US Daily Power Burns (Bcf/d)



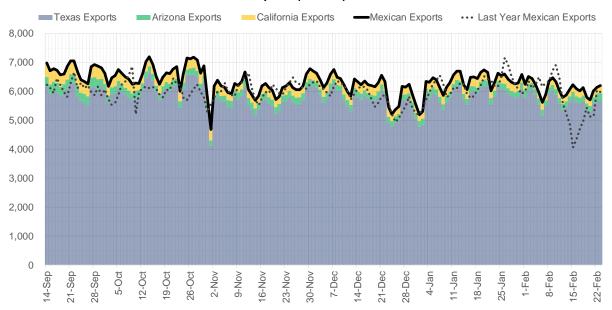
#### US Daily ResCom Consumption(Bcf/d)



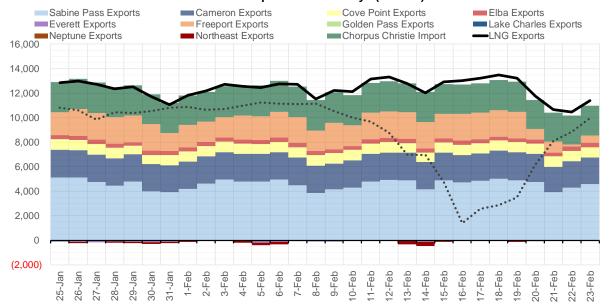
Source: Bloomberg



#### Mexican Exports (MMcf/d)



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



Source: Bloomberg



# Nat Gas Options Volume and Open Interest CME and ICE Combined

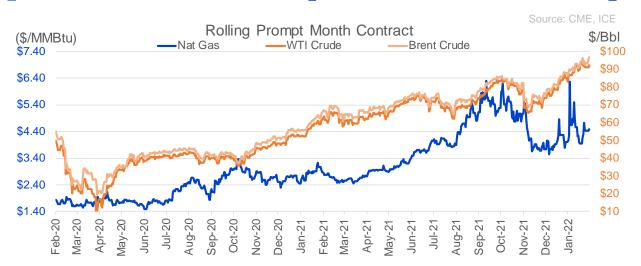
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
3	2022	С	5.00	4798	3	2022	Р	3.00	45155
3	2022	P	4.25	4768	3	2022	Ċ	10.00	41865
4	2022	P	4.25	3833	3	2022	P	4.00	41100
		-			4	2022	P	3.50	40234
3 4	2022 2022	C C	5.50	3028	3	2022	C	5.00	37930
3		P	5.50	2502	3	2022	P	3.50	32695
	2022		4.50	2203	3	2022	P	3.75	32217
3	2022	С	4.75	1915	4	2022	P	3.00	28182
4	2022	С	5.00	1698	4	2022	Ċ	5.00	27601
3	2022	С	4.50	1638	10	2022	Č	6.00	27472
3	2022	P	4.40	1635	3	2022	Č	8.00	26060
4	2022	P	3.50	1626	3	2022	Č	6.00	24901
3	2022	P	4.20	1547	3	2022	Č	4.50	24244
10	2022	С	5.00	1515	3	2022	P	2.50	24084
4	2022	P	3.75	1474	3	2022	P	4.50	23088
5	2022	С	5.00	1474	3	2022	C	4.00	23027
3	2022	С	4.60	1437	5	2022	P	3.00	22214
3	2022	Р	4.30	1356	10	2022	C	5.00	21861
10	2022	С	6.00	1350	5	2022	C	5.00	21047
3	2022	С	4.70	1307	3	2022	C	7.00	20657
3	2022	Р	4.35	1297	3	2022	P	3.25	20519
5	2022	Р	3.75	1081	6	2022	C		20478
3	2022	Р	4.10	1053	3	2022	P	6.00 3.90	20278
4	2022	С	6.00	994	6	2022	C	5.00	
3	2023	С	10.00	950	5	2022	P	5.00 2.50	19972 19877
3	2022	С	4.80	894	4	2022	C	6.00	19749
2	2023	Р	3.50	850	4	2022	C	4.50	18399
3	2023	Р	3.50	850	4	2022	P	3.65	17889
5	2022	С	6.00	842	4 5	2022	C	6.00	17889
3	2022	С	6.25	804	3	2022	C	5.50	17625
4	2022	С	7.00	743	6	2022	P	3.00	17549
1	2023	С	10.00	705	4	2022	C	3.00	17511
5	2022	Р	4.25	701	12	2022	C	5.00	17386
2	2023	С	10.00	700	12	2022	P	3.00	17380
3	2022	P	4.55	633	4	2022	P	2.50	17193
5	2022	Р	3.25	550	9	2022	C	6.00	17070
2	2023	С	8.00	550	5	2022	P	2.75	17019
3	2023	C	8.00	550	4	2022	P	4.00	16714
4	2022	P	4.25	534	7	2022	P	3.25	16586
8	2022	P	3.75	531	7	2022	C	6.00	16247
5	2022	C	5.75	530	4	2022	C	5.50	
5	2022	Č	7.00	521	3	2022	P		15616
1	2023	C	4.50	500	3 4	2022	C	5.00 8.00	15403 15315
3	2022	P	4.45	485			C		
3	2022	P	4.43	478	4 4	2022 2022	P	4.75 3.25	15192 15146
4	2022	C	4.75	464			P P		
3	2022	P	4.73	461	3	2022	P P	2.00	14981
6	2022	C	6.00	461	8	2022	C	3.00	14741
6	2022	C		461 452	8	2022		6.00	14696
3		C	5.50	452 448	6	2022	C P	4.50	14665
3	2022	C	4.90	440	7	2022	Source	E: CME, ICE	14537



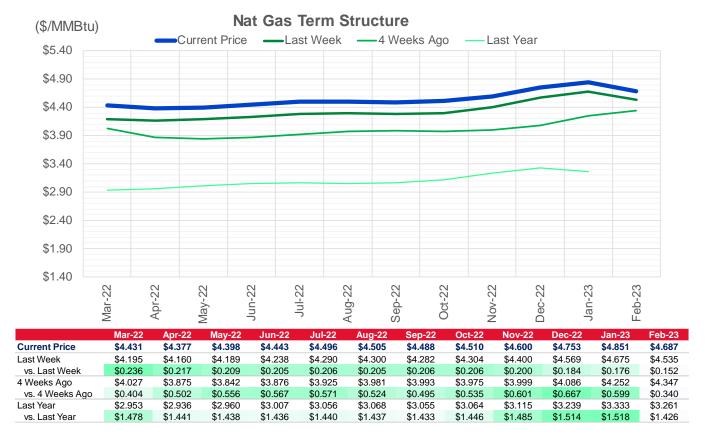
## Nat Gas Futures Open Interest

CME and ICE Combined

CME Henry I	Hub Futures (10	0,000 MMBt	u)	ICE Henry I	Hub Futures Cont	ract Equiva	alent (10,000 MM
	Current	Prior	Daily Change		Current	Prior	Daily Change
MAR 22	15027	21700	-6673	MAR 22	74347	75907	-1561
APR 22	144130	137994	6136	APR 22	83054	81865	1189
MAY 22	179890	179562	328	MAY 22	81032	80354	678
JUN 22	71171	70847	324	JUN 22	71475	71617	-142
JUL 22	84504	84109	395	JUL 22	66129	67278	-1150
AUG 22	44145	43651	494	AUG 22	61202	61844	-642
SEP 22	68977	68012	965	SEP 22	61901	61755	146
OCT 22	80927	79654	1273	OCT 22	68133	67943	190
NOV 22	44109	44906	-797	NOV 22	55172	55020	152
DEC 22	42342	42273	69	DEC 22	65466	65227	239
JAN 23	60126	57059	3067	JAN 23	58979	58734	245
FEB 23	22541	21768	773	FEB 23	44880	44771	109
MAR 23	43621	43006	615	MAR 23	48349	47787	562
APR 23	34243	33781	462	APR 23	47724	47479	245
MAY 23	22301	22312	-11	MAY 23	41776	41530	246
JUN 23	13031	13128	-97	JUN 23	38798	38569	229
JUL 23	11001	10928	73	JUL 23	38594	38439	155
AUG 23	7850	7771	79	AUG 23	38324	38070	255
SEP 23	10963	10853	110	SEP 23	37667	37533	135
OCT 23	19591	19749	-158	OCT 23	41860	41765	95
NOV 23	9895	9873	22	NOV 23	40236	40181	55
DEC 23	13615	13448	167	DEC 23	35033	34983	50
JAN 24	13266	12914	352	JAN 24	28181	28176	5
FEB 24	3239	3238	1	FEB 24	19696	19632	63
MAR 24	12736	12601	135	MAR 24	25545	25478	67
APR 24	6667	6736	-69	APR 24	19119	18945	174
MAY 24	2288	2288	0	MAY 24	18360	18354	6
JUN 24	1099	1119	-20	JUN 24	18303	18296	7
JUL 24	887	862	25	JUL 24	18995	18960	36
AUG 24	989	998	-9	AUG 24	18846	18772	74







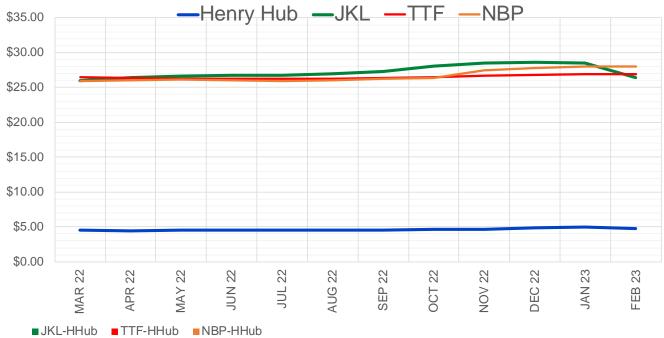
		Cash	Prompt	Cash to
	Units	Settled	Settle	Prompt
AGT Citygate	\$/MMBtu	4.69	8.50	3.81
TETCO M3	\$/MMBtu	3.99	4.23	0.24
FGT Zone 3	\$/MMBtu	4.78	4.51	-0.28
Zone 6 NY	\$/MMBtu	4.78	4.52	-0.26
Chicago Citygate	\$/MMBtu	4.59	4.28	-0.31
Michcon	\$/MMBtu	4.45	4.25	-0.20
Columbia TCO Pool	\$/MMBtu	3.98	3.86	-0.12
Ventura	\$/MMBtu	4.44	4.36	-0.08
Rockies/Opal	\$/MMBtu	4.32	3.94	-0.38
El Paso Permian Basin	\$/MMBtu	4.33	3.79	-0.54
Socal Citygate	\$/MMBtu	5.08	4.11	-0.98
Malin	\$/MMBtu	4.88	4.03	-0.85
Houston Ship Channel	\$/MMBtu	4.24	4.23	-0.01
Henry Hub Cash	\$/MMBtu	4.48	4.18	-0.31
AECO Cash	C\$/GJ	4.18	3.73	-0.45
Station2 Cash	C\$/GJ	4.14	3.87	-0.27
Dawn Cash	C\$/GJ	4.44	4.36	-0.08

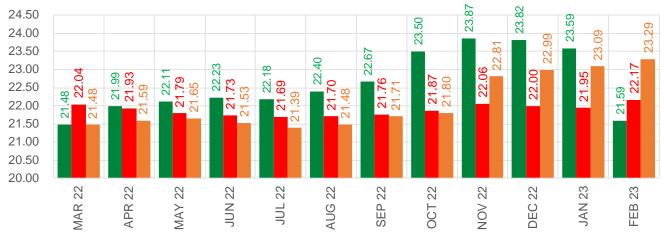
Source: CME, Bloomberg



					VS	s. 4 Weeks		
	Units	<b>Current Price</b>	vs.	<b>Last Week</b>		Ago	VS	. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224		0.000		0.000		2.210
NatGas Oct21/Nov21	\$/MMBtu	0.361		0.000		0.000		0.306
NatGas Oct21/Jan22	\$/MMBtu	-1.817		0.000		0.000		-2.093
NatGas Apr22/Oct22	\$/MMBtu	0.128		-0.009	•	-0.033		0.097
WTI Crude	\$/Bbl	92.35		0.280		6.750		30.680
Brent Crude	\$/Bbl	96.84		3.560		8.640		31.470
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18		0.000		0.000		0.000
Heating Oil	cents/Gallon	281.88		-4.070		14.970		95.080
Propane, Mt. Bel	cents/Gallon	1.32		0.074		0.170		0.408
Ethane, Mt. Bel	cents/Gallon	0.40		0.009		0.028		0.131
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						

### Nat Gas Term Structure (\$MMBTU)





	MAR 22	APR 22	MAY 22	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23
Henry Hub	\$4.482	\$4.478	\$4.496	\$4.538	\$4.583	\$4.589	\$4.588	\$4.600	\$4.684	\$4.849	\$4.952	\$4.778
JKL	\$25.960	\$26.465	\$26.610	\$26.765	\$26.760	\$26.990	\$27.255	\$28.100	\$28.550	\$28.665	\$28.540	\$26.365
JKL-HHub	\$21.478	\$21.987	\$22.114	\$22.227	\$22.177	\$22.401	\$22.667	\$23.500	\$23.866	\$23.816	\$23.588	\$21.587
TTF	\$26.525	\$26.411	\$26.286	\$26.269	\$26.277	\$26.293	\$26.350	\$26.465	\$26.744	\$26.850	\$26.897	\$26.949
TTF-HHub	\$22.043	\$21.933	\$21.790	\$21.731	\$21.694	\$21.704	\$21.762	\$21.865	\$22.060	\$22.001	\$21.945	\$22.171
NBP	\$25.958	\$26.066	\$26.144	\$26.063	\$25.977	\$26.070	\$26.295	\$26.400	\$27.493	\$27.839	\$28.039	\$28.065
NBP-HHub	\$21.476	\$21.588	\$21.648	\$21.525	\$21.394	\$21.481	\$21.707	\$21.800	\$22.809	\$22.990	\$23.087	\$23.287



### Weather Storage Model - Next 4 Week Forecast

