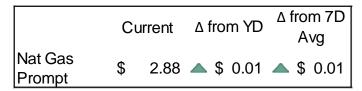


12 February 2021



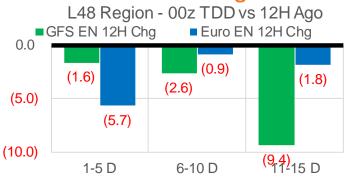
	С	urrent	Δ from YD	Δ from Av	
WTI Prompt	\$	57.88	\$ (0.36)	\$	0.2

	_	urrant	Δ from YD	Δ from 7D		
	Current		ם ווווווו דם	Αv	g	
Brent	Φ	60.85	\$ (0.29)	\$	0.5	
Prompt	Ψ	00.03	Ψ ψ (0.29)	_ ψ	0.5	

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Price Summary

Vs. 12H Ago



Vs. 24H Ago

L48 Region - 00z TDD vs 24H Ago GFS EN 24H Chg ■ Euro EN 24H Chg 5.0 1.0 0.0 (1.8)(5.0)(4.4)(6.1)(10.0)(9.3)(15.0)(12.3)1-5 D 6-10 D 11-15 D

	Current	Δ from YD	Δ from 7D Avg
US Dry Production	85.6	▼ -2.43	▼ -5.59

	Current	Δfı	om YD	rom 7D Avg
US ResComm	55.9		1.63	4.36

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	9.5	▼ -0.18	▼ -1.19

	Current	Δ from YD	Δ from 7D Avg		
US Power Burns	29.4	▼ -1.04	0.70		

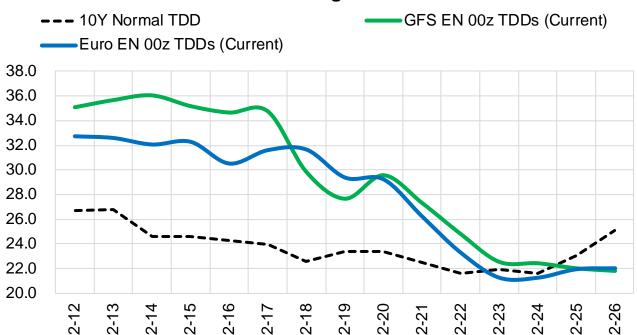
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	7.2	0.46	0.86

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.4	▼ -0.19	- 0.04

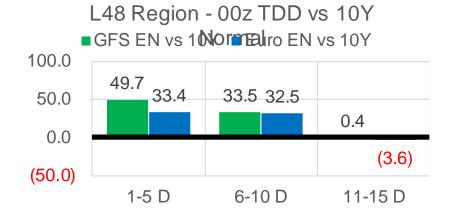


Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal



Source: WSI, Bloomberg



Lower 48 Component Models

Daily Balances

	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb	11-Feb	12-Feb	DoD	vs.7D
Lower 48 Dry Production	92.4	92.3	92.1	91.1	89.9	88.0	85.6	▼-2.4	-5.4
Canadian Imports	6.0	6.1	6.5	6.3	6.6	6.7	7.2	0.5	▲ 0.8
L48 Power	26.6	28.3	29.1	29.7	30.0	30.4	29.4	▼ -1.0	0.3
L48 Residential & Commercial	49.3	55.6	53.6	51.2	51.4	54.3	55.9	1.6	3.3
L48 Industrial	26.8	27.9	27.4	26.7	25.8	24.9	23.8	▼ -1.1	▼ -2.8
L48 Lease and Plant Fuel	5.1	5.1	5.1	5.0	5.0	4.8	4.7	▼ -0.1	▼-0.3
L48 Pipeline Distribution	3.4	3.8	3.7	3.6	3.7	3.8	3.8	0.0	0.2
L48 Regional Gas Consumption	111.1	120.6	119.0	116.2	115.9	118.2	117.6	▼ -0.6	▲ 0.8
Net LNG Delivered	11.13	11.12	11.16	10.54	10.02	9.69	9.51	▼-0.2	▼-1.1
Total Mexican Exports	6.1	6.0	6.3	6.5	6.8	6.6	6.4	▼-0.2	▼ 0.0
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	-29.9	-39.4	-37.9	-35.9	-36.2	-39.7	-40.7		
Daily Model Ello									

EIA Storage Week Balances

	8-Jan	15-Jan	22-Jan	29-Jan	5-Feb	12-Feb	WoW	vs. 4W
Lower 48 Dry Production	92.4	91.2	91.5	91.8	91.8	91.2	▼ -0.7	▼-0.4
Canadian Imports	6.2	6.2	5.9	6.4	6.3	6.3	▼ 0.0	0.1
L48 Power	28.4	30.3	27.8	28.7	28.9	28.7	▼-0.2	▼-0.2
L48 Residential & Commercial	41.6	45.6	41.6	47.5	46.5	51.5	5.0	6.2
L48 Industrial	22.8	23.3	22.4	25.1	23.9	26.5	2.6	2.8
L48 Lease and Plant Fuel	5.1	5.0	5.0	5.1	5.1	5.0	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	3.2	3.4	3.1	3.5	3.4	3.6	0.2	0.2
L48 Regional Gas Consumption	101.1	107.6	100.0	109.8	107.7	115.3	7.6	9.0
Net LNG Exports	10.9	10.6	10.4	10.0	10.7	10.7	▼ 0.0	0.3
Total Mexican Exports	5.9	6.1	6.1	6.6	6.2	6.4	▲ 0.2	0.2
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	-19.3 -19.1 -0.1	-26.9 -26.7 -0.2	-19.1 -18.3 -0.8	-28.1 -27.4 -0.7	-26.4 -24.4 -2.0	-34.9	-8.5	

Monthly Balances									
•	2Yr Ago	LY					MTD		
	Feb-19	Feb-20	Dec-17	Jan-18	Dec-20	Jan-21	Feb-21	MoM	vs. LY
Lower 48 Dry Production	87.9	93.6	78.6	77.0	91.9	91.7	90.9	▼ -0.9	▲13.9
Canadian Imports	4.9	5.3	5.6	5.9	5.8	6.3	6.3	0.0	0.4
L48 Power	27.5	30.2	25.2	25.3	28.1	28.7	29.0	0.3	▲ 3.7
L48 Residential & Commercial	45.3	40.2	42.8	48.9	40.0	44.4	49.9	5.5	1.0
L48 Industrial	23.6	25.2	24.8	23.8	24.0	23.5	25.4	1.9	1.6
L48 Lease and Plant Fuel	4.9	5.2	4.7	4.3	5.1	5.1	5.0	▼ -0.1	0.7
L48 Pipeline Distribution	3.3	3.2	2.7	3.2	3.1	3.3	3.6	0.2	0.4
L48 Regional Gas Consumption	104.5	104.0	100.1	105.5	100.3	104.9	112.8	7.9	7.3
Net LNG Exports	4.1	8.5	3.0	2.2	11.0	10.5	10.6	0.1	▲ 8.4
Total Mexican Exports	4.9	5.2	4.1	4.2	5.8	6.2	6.3	▲ 0.2	2.2
Implied Daily Storage Activity EIA Reported Daily Storage Activity	-20.8	-18.8	-22.8	-29.1	-19.5	-23.6	-32.7		
Daily Model Error									

Source: Bloomberg, analytix.ai



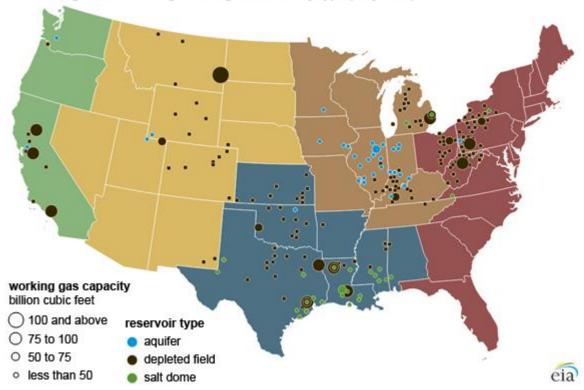
Regional S/D Models Storage Projection

Week Ending 12-Feb

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-35.2	1.5	-33.7	-236
East	-9.8	2.9	-6.9	-48
Midwest	-10.5	-0.1	-10.6	-74
Mountain	1.7	-3.5	-1.8	-13
South Central	-14.5	2.4	-12.1	-85
Pacific	-2.2	-0.1	-2.3	-16

^{*}Adjustment Factor is calcuated based on historical regional deltas

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



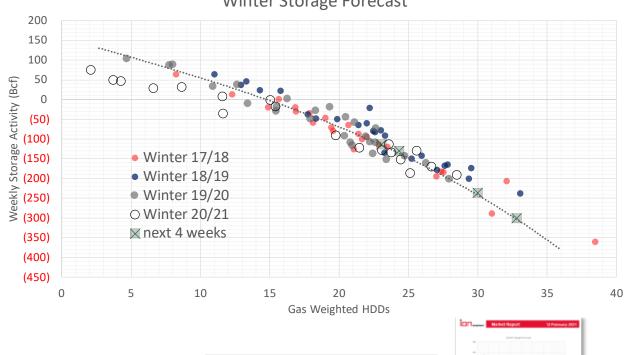


Weather Model Storage Projection

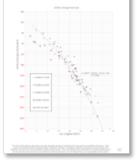
Next report	
and beyond	k

Week Ending	GWDDs	Week Storage Projection
12-Feb	30.0	-236
19-Feb	32.8	-301
26-Feb	24.3	-130
05-Mar	23.1	-113

Winter Storage Forecast



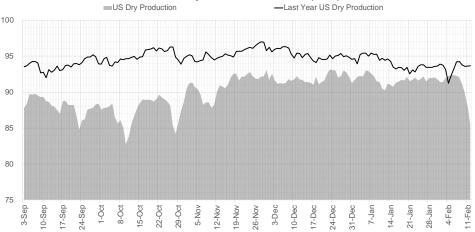
Go to larger image



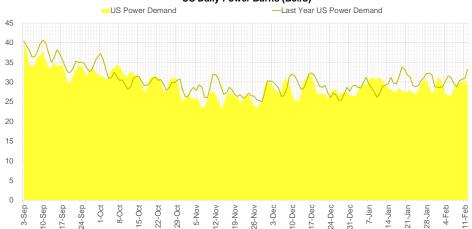


Supply - Demand Trends

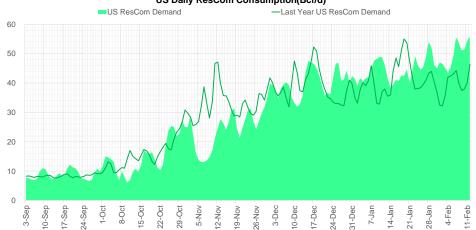
US Dry Natural Gas Production (Bcf/d)



US Daily Power Burns (Bcf/d)



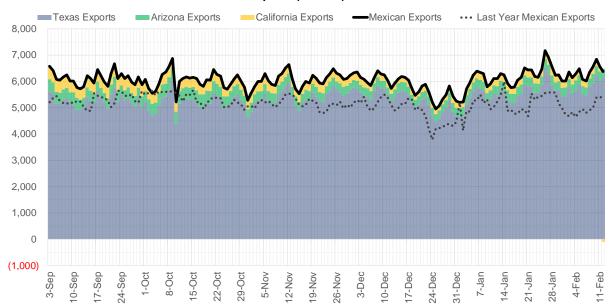
US Daily ResCom Consumption(Bcf/d)



Source: Bloomberg



Mexican Exports (MMcf/d)



Net LNG Exports - Last 30 days (MMcf/d) Cameron Exports Cove Point Exports Sabine Pass Exports Elba Exports Lake Charles Exports Everett Exports Freeport Exports Golden Pass Exports Chorpus Christie Import LNG Exports Neptune Exports Northeast Exports 12,000 10,000 8,000 6,000 4,000 2,000 0 (2,000)

Source: Bloomberg



Nat Gas Options Volume and Open Interest CME, ICE and Nasdaq Combined

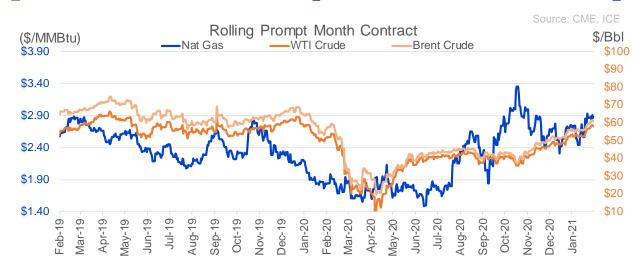
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
3	2021	С	3.25	24678	3	2021	С	3.25	50853
					4	2021	C	3.25	50463
3	2021	С	3.50	22383	3	2021	P	2.00	44176
3	2021	С	3.75	8893	3		C	4.00	43172
3	2021	С	3.00	8399		2021			
3	2021	C	4.00	7722	3	2021	С	3.50	38571
4	2021	Р	2.25	7132	4	2021	С	4.00	38213
4	2021	Р	2.00	6058	3	2021	С	3.00	37251
3	2021	С	3.20	4915	3	2021	P	2.50	35683
4	2021	Р	2.50	4474	10	2021	С	4.00	33363
5	2021	С	3.25	4147	3	2021	С	5.00	31814
3	2021	С	3.05	4134	3	2021	С	4.50	29934
3	2021	Р	2.50	3769	4	2021	P	2.00	28295
3	2021	Р	2.30	3650	4	2021	P	2.50	26507
3	2021	Р	2.80	3553	10	2021	С	3.25	26471
3	2021	С	3.10	3466	4	2021	C	3.25	26277
3	2021	С	3.15	3417	3	2021	С	6.00	24896
4	2021	Р	2.40	3328	3	2021	Р	2.25	22854
3	2021	Р	2.70	3311	4	2021	С	2.75	21965
3	2021	P	2.65	3210	6	2021	С	4.00	21620
4	2021	C	3.25	3199	3	2021	С	7.00	21570
4	2021	P	1.60	2773	5	2021	Р	2.50	21194
3	2021	C	3.60	2680	8	2021	Р	2.25	20428
7	2021	P	2.50	2600	4	2021	Р	2.25	20186
4	2021	C	3.00	2536	10	2021	С	5.00	20116
3		P			5	2021	С	3.00	19640
3	2021	P P	2.60	2521	8	2021	С	4.00	19613
	2021		2.90	2482	4	2021	С	5.00	19052
4	2021	С	3.50	2251	8	2021	С	3.50	18974
4	2021	P	2.65	2236	7	2021	С	4.00	18959
3	2021	С	3.30	2151	5	2021	Р	2.00	18408
3	2021	Р	3.00	2141	5	2021	С	4.00	18359
4	2021	Р	2.75	2139	5	2021	С	3.50	17948
7	2021	С	3.75	2100	4	2021	С	3.50	17702
10	2021	Р	2.00	2100	10	2021	C	3.50	17544
5	2021	Р	2.50	1985	4	2022	C	3.00	17481
6	2021	Р	2.00	1902	10	2021	P	2.00	17457
7	2021	Р	2.00	1902	10	2021	C	3.00	17036
8	2021	Р	2.00	1900	12	2021	Č	4.00	16733
9	2021	Р	2.00	1900	6	2021	P	2.50	16690
10	2021	Р	2.50	1800	5	2021	C	3.25	16415
3	2021	Р	2.55	1740	11	2021	Č	4.00	15900
3	2021	С	2.95	1653	6	2021	P	2.00	15874
3	2021	P	2.75	1617	3	2021	Ċ	3.75	15738
6	2021	C	3.50	1593	3	2021	P	2.10	15581
4	2021	P	2.60	1592	5 5	2021	P	2.10	15483
10	2021	C	4.00	1500	5 10		P P		
6	2021	P	2.50	1484		2021		2.50	15457
10	2021	C	2.50 3.50	1448	3	2021	C C	2.75	15057
3		C			4	2021		2.50	14686
	2021	P	3.35	1428	9	2021	С	3.50	14200
8	2021	۲	2.50	1411	9	2021	P Source	: CME, ICE	14162



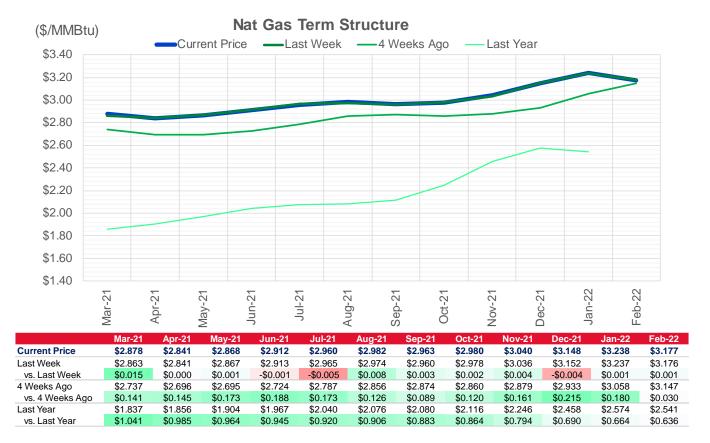
Nat Gas Futures Open Interest

CME, and ICE Combined

CME Henry H	Hub Futures (1	0,000 MMBt	u)	ICE Henry Hub Futures Contract Equivalent (10,000 MM					
	Current	Prior	Daily Change	FOR JUNE 26	Current	Prior	Daily Change		
MAR 21	114628	140062	-25434	MAR 21	92041	91205	836		
APR 21	151090	139894	11196	APR 21	88057	89447	-1390		
MAY 21	187074	169688	17386	MAY 21	93679	89749	3930		
JUN 21	65522	61288	4234	JUN 21	69207	69081	126		
JUL 21	57884	56845	1039	JUL 21	73636	73417	219		
AUG 21	44139	42970	1169	AUG 21	76191	76596	-404		
SEP 21	80177	71636	8541	SEP 21	70066	65721	4345		
OCT 21	136514	136066	448	OCT 21	89930	89480	450		
NOV 21	49314	48244	1070	NOV 21	55272	55061	210		
DEC 21	47289	46793	496	DEC 21	56380	55888	492		
JAN 22	53411	52359	1052	JAN 22	52260	52129	131		
FEB 22	24986	24496	490	FEB 22	38728	38706	22		
MAR 22	38340	35787	2553	MAR 22	42585	42506	80		
APR 22	36116	35764	352	APR 22	41163	40893	270		
MAY 22	16326	15679	647	MAY 22	35400	35205	195		
JUN 22	11373	11316	57	JUN 22	33841	33906	-65		
JUL 22	7908	7833	75	JUL 22	34166	34032	133		
AUG 22	6924	6864	60	AUG 22	33059	33119	-60		
SEP 22	8306	8010	296	SEP 22	34067	34105	-38		
OCT 22	18871	18346	525	OCT 22	38763	38824	-62		
NOV 22	7574	7550	24	NOV 22	31519	31482	38		
DEC 22	7534	7526	8	DEC 22	36687	36594	93		
JAN 23	5716	5634	82	JAN 23	19215	19160	56		
FEB 23	2136	2136	0	FEB 23	17448	17376	71		
MAR 23	3358	3358	0	MAR 23	18977	18876	101		
APR 23	4646	4610	36	APR 23	15280	15235	46		
MAY 23	2867	2862	5	MAY 23	14932	14816	117		
JUN 23	831	831	0	JUN 23	14271	14180	91		
JUL 23	918	918	0	JUL 23	13966	13858	109		
AUG 23	674	674	0	AUG 23	14308	14200	109		







		Cash	Prompt	Cash to
	Units	Settled	Settle	Prompt
AGT Citygate	\$/MMBtu	12.03	4.75	-7.28
TETCO M3	\$/MMBtu	5.89	2.98	-2.91
FGT Zone 3	\$/MMBtu	5.98	2.92	-3.06
Zone 6 NY	\$/MMBtu	5.98	3.10	-2.88
Chicago Citygate	\$/MMBtu	7.94	2.93	-5.01
Michcon	\$/MMBtu	4.71	2.82	-1.89
Columbia TCO Pool	\$/MMBtu	5.22	2.60	-2.62
Ventura	\$/MMBtu	5.75	2.97	-2.78
Rockies/Opal	\$/MMBtu	11.25	2.66	-8.59
El Paso Permian Basin	\$/MMBtu	10.09	2.67	-7.42
Socal Citygate	\$/MMBtu	10.54	2.82	-7.72
Malin	\$/MMBtu	7.40	2.77	-4.63
Houston Ship Channel	\$/MMBtu	8.79	2.84	-5.95
Henry Hub Cash	\$/MMBtu	6.92	2.75	-4.17
AECO Cash	C\$/GJ	5.28	2.48	-2.80
Station2 Cash	C\$/GJ	5.40	2.76	-2.64
Dawn Cash	C\$/GJ	5.17	2.94	-2.23

Source: CME, Bloomberg



		vs. 4 Weeks						
	Units	Current Price	vs.	Last Week		Ago	vs	. Last Year
NatGas Jan21/Apr21	\$/MMBtu	0.373		-0.001		0.145		0.736
NatGas Mar21/Apr21	\$/MMBtu	-0.038	•	-0.016	•	-0.039		-0.277
NatGas Oct21/Nov21	\$/MMBtu	0.060		0.002		0.006		-0.010
NatGas Apr21/Oct21	\$/MMBtu	0.140		0.651		0.552		-0.141
WTI Crude	\$/Bbl	57.88		1.030		5.520		5.830
Brent Crude	\$/Bbl	60.85		1.510		5.750		3.530
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18		0.000		0.000		0.000
Heating Oil	cents/Gallon	173.19		1.820		13.900		3.370
Propane, Mt. Bel	cents/Gallon	0.85		-0.009	•	-0.051		0.467
Ethane, Mt. Bel	cents/Gallon	0.28		0.013		0.038		0.136
Coal, PRB	\$/MTon	12.30		0.000		0.000		0.050
Coal, PRB	\$/MMBtu	0.70						
Coal, ILB	\$/MTon	31.05		0.000		0.000		-1.500
Coal, ILB	\$/MMBtu	1.32						





