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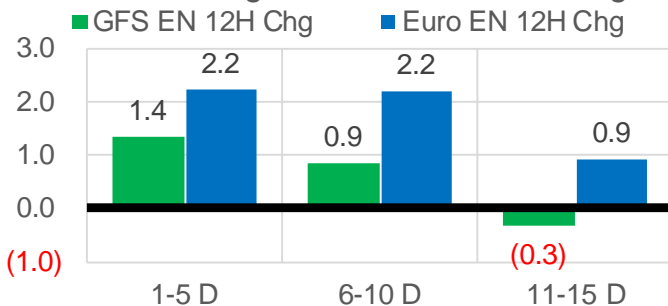
	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 4.62	▼ \$ (0.09)	▼ \$ (0.02)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 68.53	▼ \$ (0.76)	▼ \$ (0.6)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 71.93	▼ \$ (0.29)	▼ \$ (0.6)

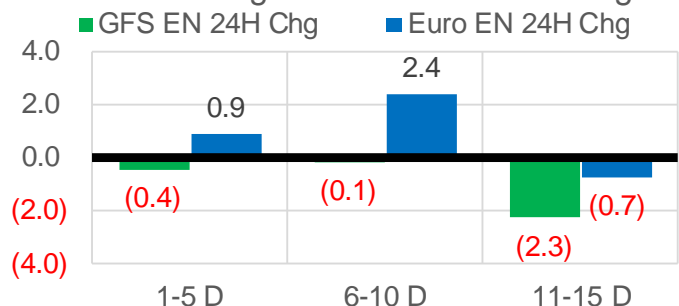
### Vs. 12H Ago

L48 Region - 00z TDD vs 12H Ago



### Vs. 24H Ago

L48 Region - 00z TDD vs 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	89.9	▼ -1.23	▼ -1.12

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	33.0	▼ -0.01	▼ -0.46

	Current	Δ from YD	Δ from 7D Avg
US ResComm	7.0	▲ 0.15	▼ -0.16

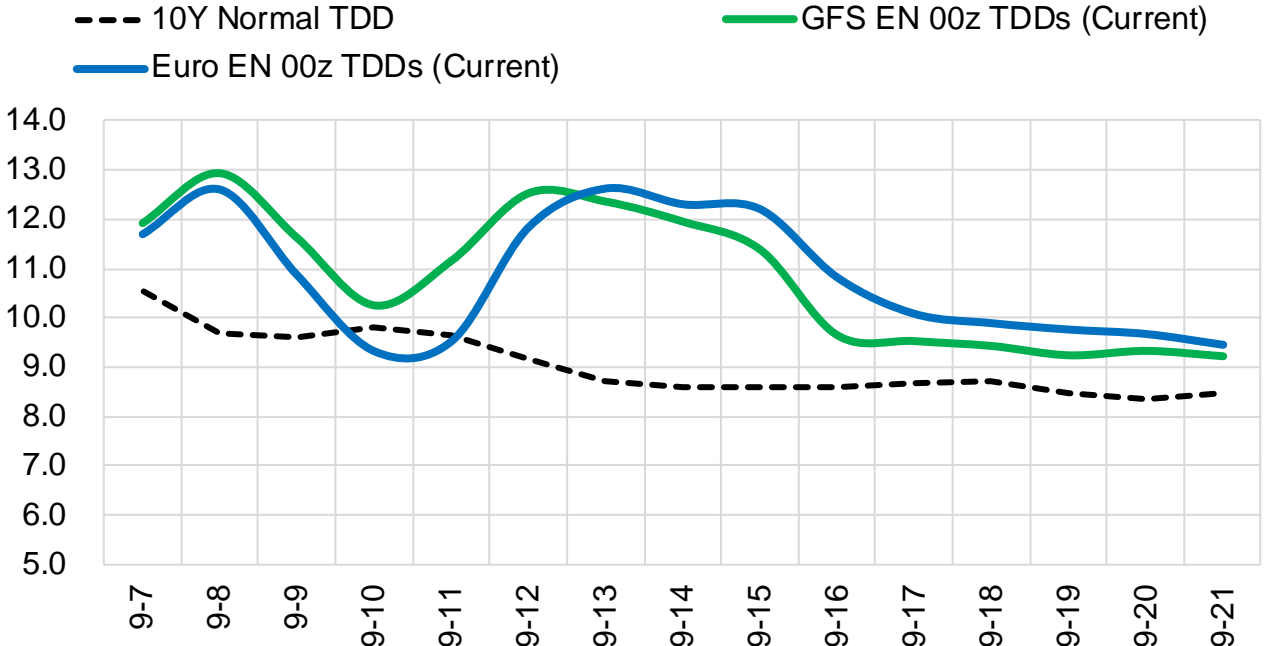
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	4.6	▼ -0.11	▼ -0.08

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	10.9	▼ -0.13	▲ 0.28

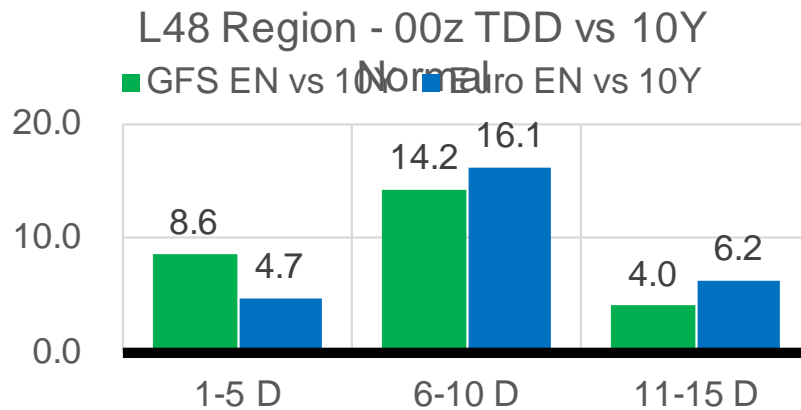
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.8	▲ 0.07	▼ -0.07

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

### L48 Region



## Vs. 10Y Normal



Source: WSI , Bloomberg

## Lower 48 Component Models

### Daily Balances

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>91.2</b>	<b>91.2</b>	<b>91.1</b>	<b>90.5</b>	<b>91.0</b>	<b>91.1</b>	<b>91.2</b>	▲ 0.1	▲ 0.1
<b>Canadian Imports</b>	<b>5.3</b>	<b>5.1</b>	<b>4.7</b>	<b>4.4</b>	<b>4.6</b>	<b>4.6</b>	<b>4.7</b>	▲ 0.0	▼ -0.1
L48 Power	41.0	37.6	34.7	32.7	32.3	31.8	32.4	▲ 0.6	▼ -2.6
L48 Residential & Commercial	7.6	7.5	7.6	7.6	7.4	6.6	6.6	▲ 0.1	▼ -0.8
L48 Industrial	19.3	19.4	19.4	19.7	20.3	20.5	20.8	▲ 0.3	▲ 1.0
L48 Lease and Plant Fuel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	▲ 0.0	▲ 0.0
L48 Pipeline Distribution	2.4	2.2	2.2	2.1	2.0	2.0	2.0	▲ 0.0	▼ -0.1
<b>L48 Regional Gas Consumption</b>	<b>75.4</b>	<b>71.7</b>	<b>68.9</b>	<b>67.1</b>	<b>67.1</b>	<b>65.9</b>	<b>66.8</b>	▲ 0.9	▼ -2.6
<b>Net LNG Delivered</b>	<b>10.27</b>	<b>10.12</b>	<b>9.73</b>	<b>10.39</b>	<b>10.96</b>	<b>11.02</b>	<b>10.89</b>	▼ -0.1	▲ 0.5
<b>Total Mexican Exports</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.0</b>	<b>7.0</b>	<b>6.6</b>	<b>6.4</b>	▼ -0.1	▼ -0.6
<b>Implied Daily Storage Activity</b>	<b>3.7</b>	<b>7.3</b>	<b>10.1</b>	<b>10.5</b>	<b>10.5</b>	<b>12.3</b>	<b>11.7</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

### EIA Storage Week Balances

	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>92.6</b>	<b>91.9</b>	<b>92.4</b>	<b>92.4</b>	<b>93.0</b>	<b>90.9</b>	▼ -2.1	▼ -1.6
<b>Canadian Imports</b>	<b>5.5</b>	<b>5.0</b>	<b>5.2</b>	<b>5.0</b>	<b>5.3</b>	<b>5.0</b>	▼ -0.4	▼ -0.2
L48 Power	42.1	38.3	41.1	39.7	41.9	37.9	▼ -3.9	▼ -2.3
L48 Residential & Commercial	8.6	8.0	7.8	7.6	7.8	7.5	▼ -0.3	▼ -0.3
L48 Industrial	20.5	20.1	19.2	20.9	21.2	19.8	▼ -1.4	▼ -0.6
L48 Lease and Plant Fuel	5.1	5.1	5.1	5.1	5.1	5.0	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	2.4	2.2	2.4	2.3	2.4	2.2	▼ -0.2	▼ -0.1
<b>L48 Regional Gas Consumption</b>	<b>78.6</b>	<b>73.7</b>	<b>75.5</b>	<b>75.6</b>	<b>78.4</b>	<b>72.4</b>	▼ -5.9	▼ -3.4
<b>Net LNG Exports</b>	<b>10.8</b>	<b>10.6</b>	<b>9.9</b>	<b>10.9</b>	<b>10.6</b>	<b>10.5</b>	▼ -0.1	▼ 0.0
<b>Total Mexican Exports</b>	<b>7.0</b>	<b>6.9</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>7.0</b>	▲ 0.2	▲ 0.1
<b>Implied Daily Storage Activity</b>	<b>1.7</b>	<b>5.7</b>	<b>5.2</b>	<b>4.2</b>	<b>2.6</b>	<b>5.9</b>	<b>3.4</b>	
<b>EIA Reported Daily Storage Activity</b>	<b>1.9</b>	<b>7.0</b>	<b>6.6</b>	<b>4.1</b>	<b>2.9</b>			
<b>Daily Model Error</b>	<b>-0.1</b>	<b>-1.3</b>	<b>-1.4</b>	<b>0.0</b>	<b>-0.3</b>			

### Monthly Balances

	2Yr Ago Sep-18	LY Sep-18	May-21	Jun-21	Jul-21	Aug-21	MTD Sep-21	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>86.6</b>	<b>86.6</b>	<b>93.1</b>	<b>93.4</b>	<b>92.4</b>	<b>92.2</b>	<b>90.8</b>	▼ -1.3	▲ 4.2
<b>Canadian Imports</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>	<b>4.8</b>	<b>5.2</b>	<b>5.1</b>	<b>4.6</b>	▼ -0.5	▲ 0.1
L48 Power	34.3	34.3	26.8	35.9	39.6	40.2	32.9	▼ -7.3	▼ -1.5
L48 Residential & Commercial	8.5	8.5	12.8	8.9	8.6	7.7	7.1	▼ -0.6	▼ -1.4
L48 Industrial	22.6	22.6	20.8	20.6	19.6	20.3	20.4	▲ 0.1	▼ -2.3
L48 Lease and Plant Fuel	4.8	4.8	5.1	5.1	5.1	5.1	5.0	▼ -0.1	▲ 0.2
L48 Pipeline Distribution	2.1	2.1	2.1	2.2	2.3	2.3	2.0	▼ -0.3	▼ 0.0
<b>L48 Regional Gas Consumption</b>	<b>72.3</b>	<b>72.3</b>	<b>67.6</b>	<b>72.7</b>	<b>75.1</b>	<b>75.6</b>	<b>67.4</b>	▼ -8.2	▼ -5.0
<b>Net LNG Exports</b>	<b>3.1</b>	<b>3.1</b>	<b>10.8</b>	<b>10.2</b>	<b>10.8</b>	<b>10.5</b>	<b>10.7</b>	▲ 0.2	▲ 7.6
<b>Total Mexican Exports</b>	<b>5.0</b>	<b>5.0</b>	<b>6.8</b>	<b>7.4</b>	<b>7.0</b>	<b>6.9</b>	<b>6.8</b>	▼ -0.1	▲ 1.9
<b>Implied Daily Storage Activity</b>	<b>10.7</b>	<b>10.7</b>	<b>12.4</b>	<b>8.0</b>	<b>4.6</b>	<b>4.4</b>	<b>10.6</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	89.3	90.1	90.1	89.9	89.9	89.9	89.9	0.0	0.0
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	15.6	14.8	14.8	15.0	15.0	15.0	15.0	0.0	0.0
NRC % Nuclear Cap Utilization	90.8	91.6	91.6	91.4	91.4	91.4	91.4	0.0	0.0

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

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
CALI Wind	2598	3005	3892	2647	1475	735	624	-111	-1768
TEXAS Wind	3359	6351	11690	11217	11688	10074	5319	-4755	-3744
US Wind	20762	31085	44200	43754	32918	25931	21742	-4189	-11366

### Generation Daily Average - MWh (EIA)

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
US Wind	20762	31085	44200	43754	32918	25931	21742	-4189	-11366
US Solar	12370	11119	11956	14360	14823	14877	13950	-927	699
US Petroleum	2666	2316	2314	2320	2181	1719	1492	-227	-761
US Other	10159	10037	8922	8553	8447	8506	8384	-122	-720
US Coal	146801	139635	129442	119865	120611	116389	115413	-976	-13377
US Nuke	91825	92283	92622	92854	93063	93475	93303	-172	616
US Hydro	26761	27951	28984	28222	28526	26093	24557	-1536	-3199
<b>US Gas</b>	<b>226570</b>	<b>207534</b>	<b>185810</b>	<b>171731</b>	<b>167087</b>	<b>159729</b>	<b>168088</b>	<b>8359</b>	<b>-18322</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

### Nuclear Generation Weekly Average - GWh (NRC)

	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	89.3	90.6	91.5	92.4	91.9	90.2	-1.7	0.3
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	15.6	14.3	13.3	12.5	13.0	14.7	1.7	
NRC % Nuclear Cap Utilization	0.1	0.1	0.1	0.1	0.1	0.1	0.0	

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

	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	WoW	WoW Bcf/d Impact
CALI Wind	1905	2237	2507	3210	2052	2247	194	0.0
TEXAS Wind	7913	5180	16319	7171	12600	7534	-5066	0.9
US Wind	29738	22379	49586	29141	41810	35348	-6462	1.2
					12668.4			
					43%			

### Generation Weekly Average - MWh (EIA)

	30-Jul	6-Aug	13-Aug	20-Aug	27-Aug	3-Sep	WoW	WoW Bcf/d Impact
US Wind	29738	22379	49586	29141	41810	35348	-6462	1.2
US Solar	13978	14131	14383	12828	14536	13206	-1330	0.2
US Petroleum	4729	4074	4712	4466	5323	3135	-2188	0.4
US Other	9289	9070	10070	10104	10131	9616	-515	0.1
US Coal	146407	134740	140524	138052	136168	136209	42	0.0
US Nuke	92266	93328	94302	95157	94358	92365	-1993	0.4
US Hydro	29215	27752	27035	28988	30618	28156	-2462	0.4
<b>US Gas</b>	<b>224459</b>	<b>204634</b>	<b>208281</b>	<b>212106</b>	<b>215990</b>	<b>205097</b>	<b>-10893</b>	2.0

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	Jun-21	Jul-21	Aug-21	Sep-21	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	94.1	90.5	88.7	90.0	91.5	89.9	91.3	-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	10.8	14.4	16.2	14.9	13.4	15.0	13.6	1.6	-0.8
NRC % Nuclear Cap Utilization	95.7	92.0	90.2	91.5	93.0	91.4	92.8	-1.6	0.8

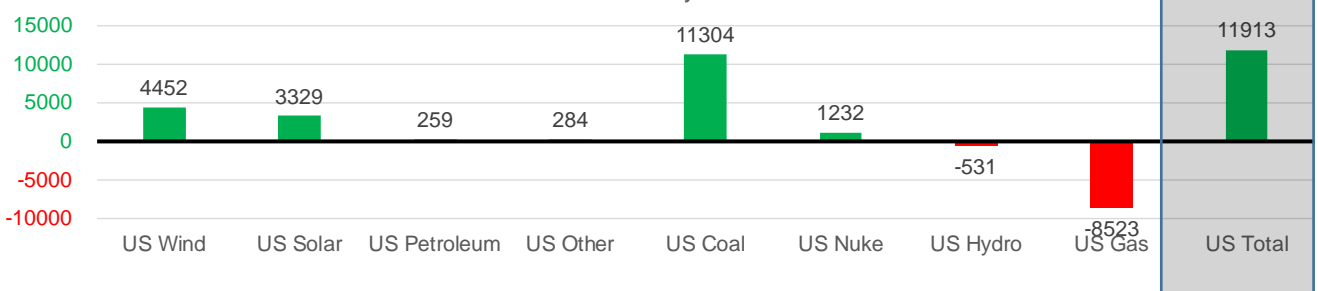
### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jun-21	Jul-21	Aug-21	Sep-21	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	CALI Wind	2312	1803	2881	2338	2442	1517	2222	-924
TEXAS Wind	7779	8210	9509	7217	9901	8661	9921	-1240	1711
US Wind	26854	31302	36827	29106	35740	30290	35754	-5450	4452

### Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jun-21	Jul-21	Aug-21	Sep-21	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	US Wind	26854	31302	36827	29106	35740	30290	35754	▲ 5464.2
US Solar	8898	10417	14578	14195	13832	13981	13746	▼ -235.1	▲ 3329
US Petroleum	4565	3713	4155	4233	4484	1858	3973	▲ 2114	▲ 259
US Other	8778	9492	8208	9327	9912	8511	9776	▲ 1265	▲ 284
US Coal	119289	123740	122034	137228	137641	118935	135044	▲ 16109	▲ 11304
US Nuke	100520	92750	92180	92911	94062	93132	93982	▲ 850	▲ 1232
US Hydro	30276	29072	32565	29941	28528	26499	28540	▲ 2041	▼ -531
<b>US Gas</b>	<b>210536</b>	<b>213499</b>	<b>189395</b>	<b>207814</b>	<b>210777</b>	<b>169803</b>	<b>204976</b>	<b>▲ 27608</b>	<b>▼ -8523</b>
<b>US Total</b>	<b>511346</b>	<b>513818</b>	<b>500272</b>	<b>524889</b>	<b>534919</b>	<b>463042</b>	<b>525731</b>	<b>▲ 49751</b>	<b>▲ 11913</b>

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Regional S/D Models Storage Projection

Week Ending 3-Sep

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	5.6	0.9	6.5	46
East	2.2	1.1	3.3	23
Midwest	4.3	-0.2	4.1	29
Mountain	3.3	-3.4	-0.1	-1
South Central	-4.5	3.7	-0.8	-6
Pacific	0.4	-0.3	0.0	0

\*Adjustment Factor is calculated based on historical regional deltas

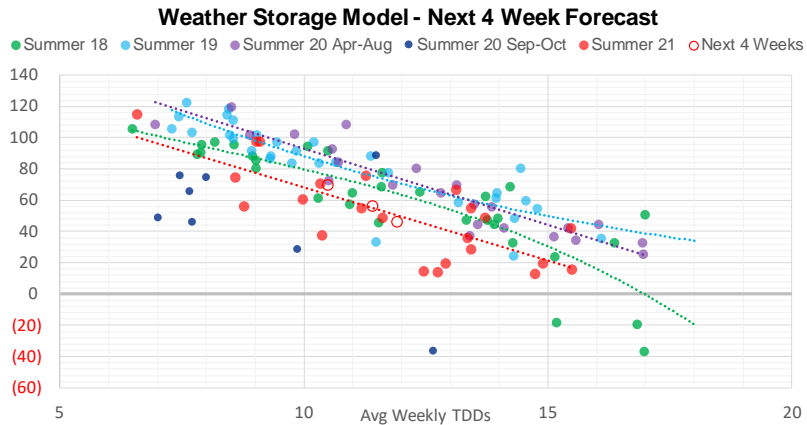
U.S. underground natural gas storage facilities by type (July 2015)



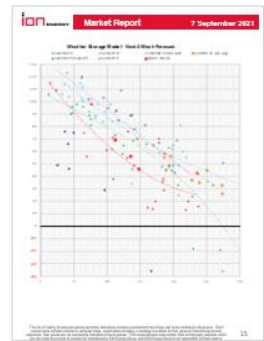
## Weather Model Storage Projection

Next report and beyond

Week Ending	GWDDs	Week Storage Projection
03-Sep	11.9	46
10-Sep	10.5	69
17-Sep	11.4	56
24-Sep	#N/A	#N/A

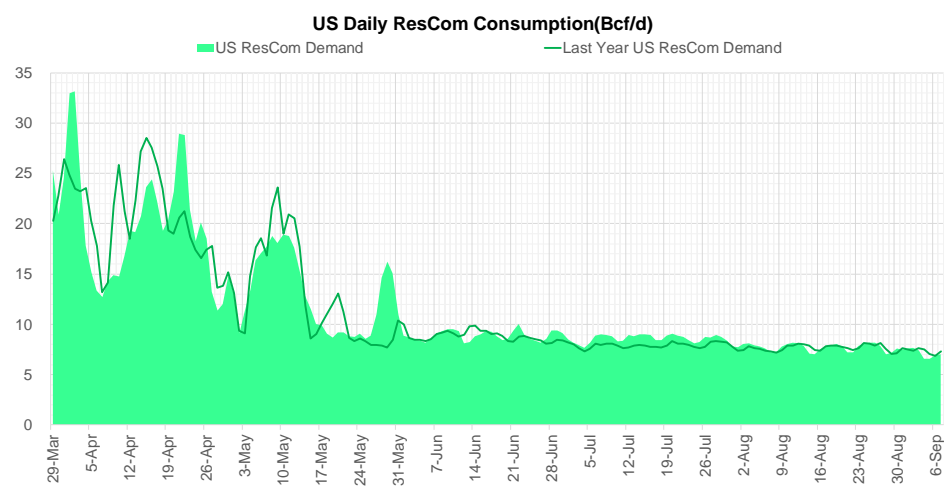
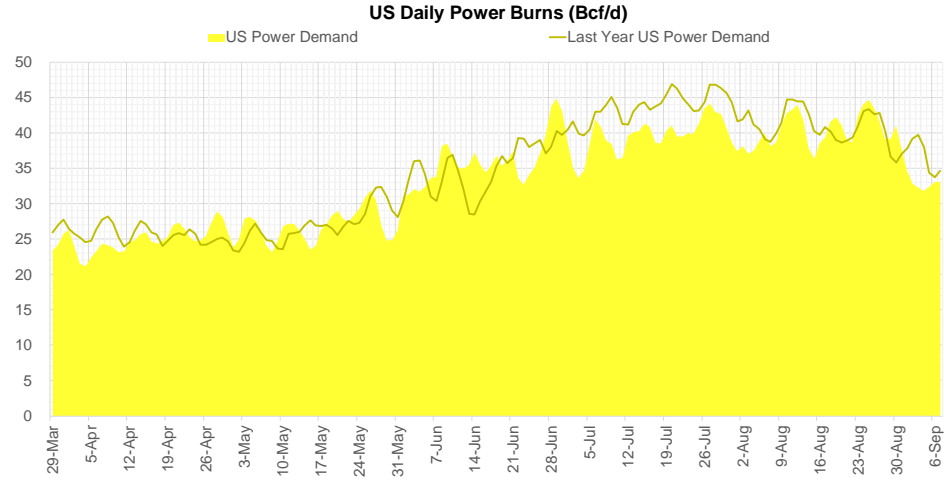
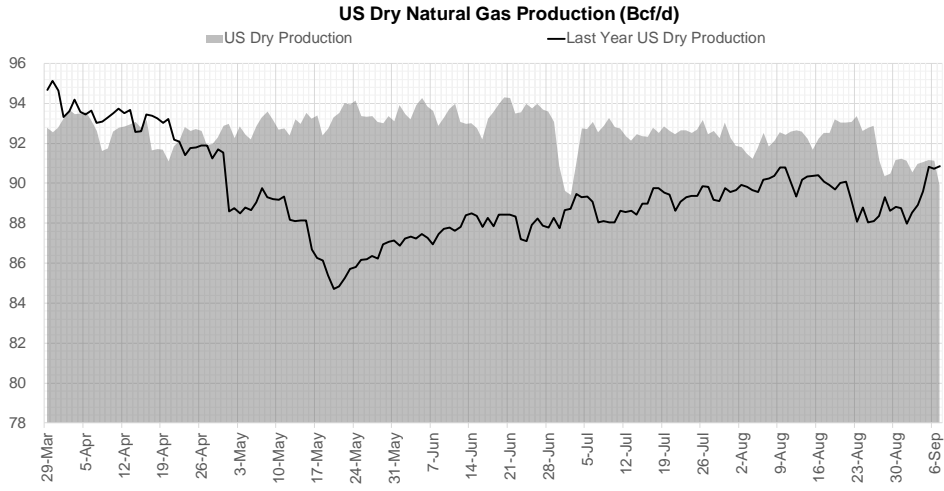


Go to larger image





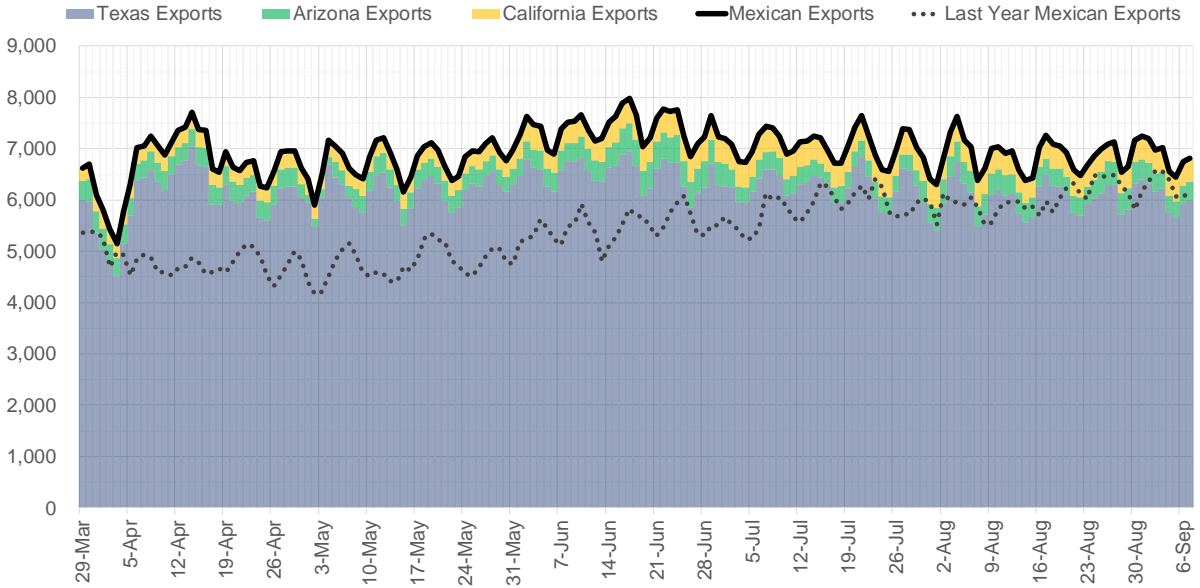
## Supply – Demand Trends



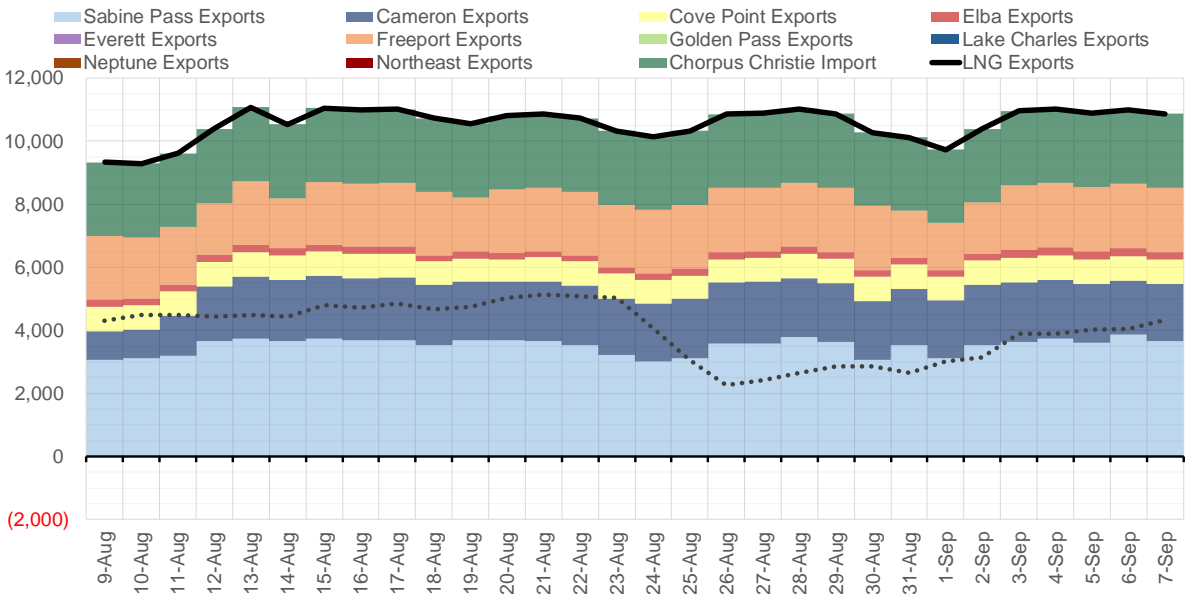
Source: Bloomberg

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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.

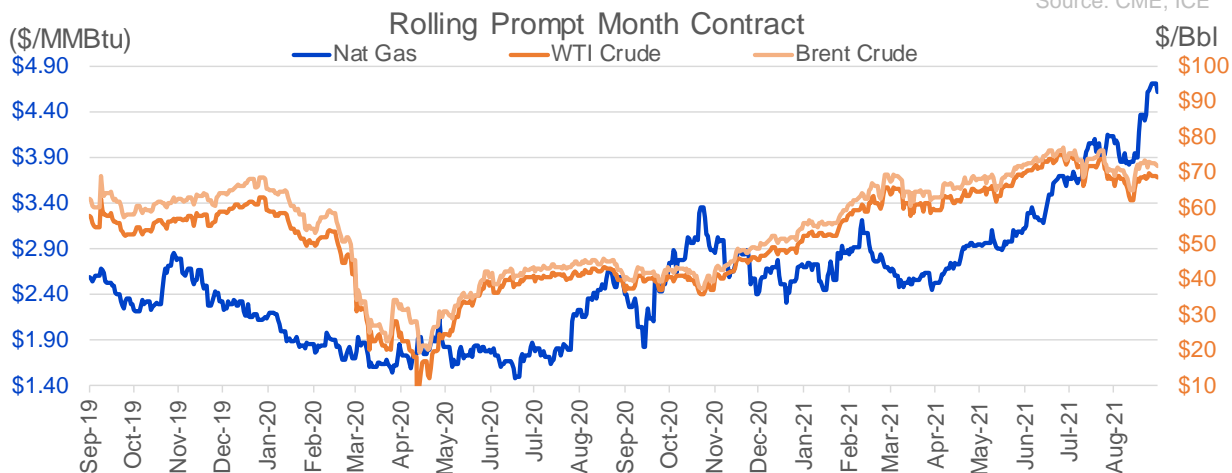
## Nat Gas Options Volume and Open Interest CME, ICE and Nasdaq Combined

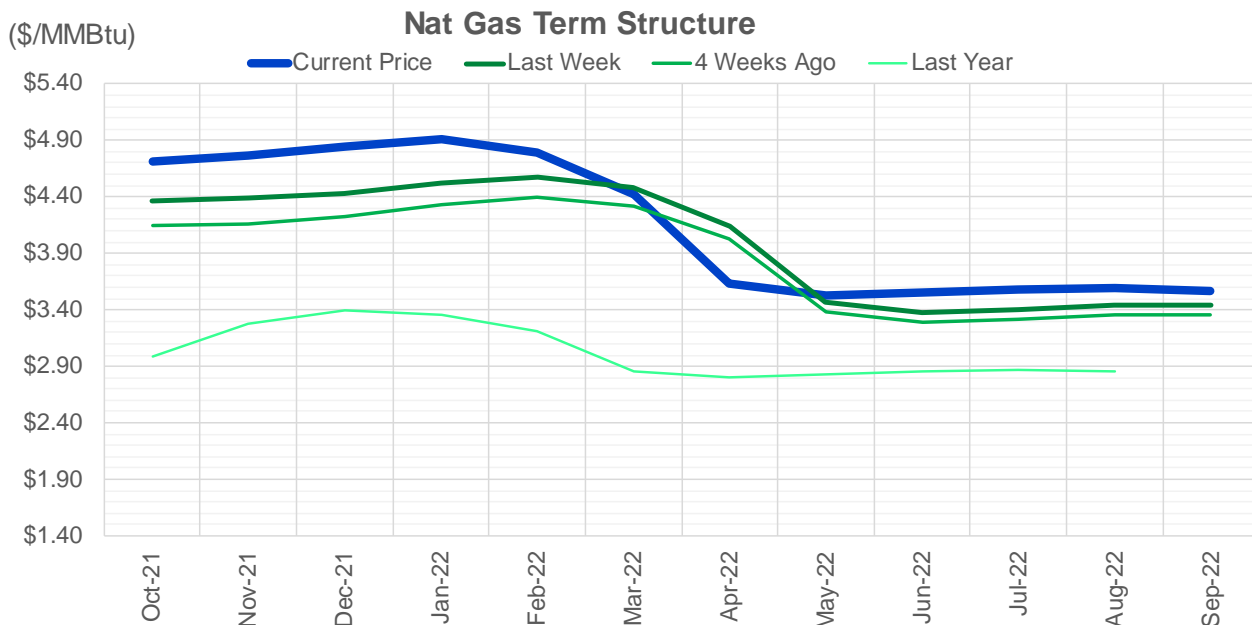
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
10	2021	C	5.00	5991	10	2021	C	5.00	55779
10	2021	P	4.00	5762	10	2021	C	4.00	43375
10	2021	C	5.25	5339	10	2021	P	3.50	42752
10	2021	P	4.50	5234	12	2021	P	2.75	42059
10	2021	C	5.50	5023	10	2021	C	4.50	41509
10	2021	P	4.25	3724	12	2021	P	2.50	38552
10	2021	P	3.75	2758	10	2021	C	3.50	32999
10	2021	P	4.20	2599	10	2021	C	4.25	31996
10	2021	P	3.50	2122	10	2021	P	3.00	31758
12	2021	P	3.75	2040	10	2021	C	6.00	31642
12	2021	P	4.00	1899	11	2021	P	3.00	30706
10	2021	C	5.75	1832	10	2021	P	2.50	29995
11	2021	C	5.75	1819	10	2021	P	2.00	28650
10	2021	C	4.70	1716	10	2021	C	3.25	28193
5	2022	C	5.50	1200	10	2021	P	2.75	26887
10	2021	C	4.65	1129	10	2021	P	4.00	26254
10	2021	P	4.60	1117	12	2021	P	3.00	24692
1	2022	C	10.00	1103	10	2021	P	3.75	24244
1	2022	C	8.00	1101	11	2021	C	4.00	23281
11	2021	P	4.25	1070	12	2021	C	4.00	22646
1	2022	P	4.75	1000	11	2021	P	3.50	21982
10	2021	P	4.40	985	10	2021	P	2.25	19784
10	2021	C	4.75	939	4	2022	C	3.00	19760
11	2021	C	6.00	898	11	2021	C	5.00	19646
11	2021	C	4.60	888	10	2021	C	3.00	18494
1	2022	C	6.00	866	11	2021	C	7.00	18050
11	2021	C	7.00	864	3	2022	C	10.00	17991
10	2021	P	4.65	754	10	2021	P	3.25	17714
11	2021	C	5.00	711	3	2022	C	5.00	17673
12	2021	C	7.00	701	11	2021	P	4.00	17638
11	2021	P	3.50	692	3	2022	P	2.50	17199
10	2021	P	4.35	687	1	2022	C	5.00	17031
10	2021	C	4.50	665	10	2021	C	3.75	16780
10	2021	C	6.25	661	12	2021	P	4.00	16480
10	2021	P	4.70	653	2	2022	C	5.00	16425
5	2022	C	6.00	650	3	2022	C	4.00	16024
10	2021	P	4.75	646	2	2022	C	4.00	15822
11	2021	C	7.75	636	10	2021	C	5.50	15808
10	2021	C	4.40	632	1	2022	C	6.00	15517
1	2022	C	5.50	628	3	2022	C	8.00	15502
11	2021	C	4.75	611	11	2021	C	4.50	15349
2	2022	P	4.00	610	10	2021	C	5.25	14909
4	2022	C	5.50	600	4	2022	P	2.50	14509
1	2022	C	5.00	588	1	2022	C	4.00	14503
10	2021	C	3.90	585	11	2021	P	2.50	14486
10	2021	C	4.00	573	11	2021	C	3.75	14481
10	2021	C	4.25	563	3	2022	C	3.00	14447
10	2021	C	6.50	562	12	2021	P	2.00	13889
12	2021	P	2.50	560	3	2022	C	6.00	13606
					11	2021	C	4.25	13578

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
OCT 21	235911	235511	400	OCT 21	109290	107699	1592
NOV 21	209417	207215	2202	NOV 21	75121	74621	499
DEC 21	90901	90319	582	DEC 21	76927	76800	127
JAN 22	149472	148912	560	JAN 22	87019	87169	-150
FEB 22	57058	56562	496	FEB 22	67567	67388	179
MAR 22	115751	114633	1118	MAR 22	71185	71420	-235
APR 22	117549	118413	-864	APR 22	67477	67380	97
MAY 22	113998	111918	2080	MAY 22	68318	67463	856
JUN 22	38044	36211	1833	JUN 22	51427	51107	320
JUL 22	29139	29101	38	JUL 22	52318	52360	-42
AUG 22	30388	30172	216	AUG 22	52588	52344	244
SEP 22	34412	33460	952	SEP 22	52653	52459	194
OCT 22	84609	83913	696	OCT 22	60465	60575	-111
NOV 22	31467	31413	54	NOV 22	46535	46437	98
DEC 22	24904	24762	142	DEC 22	49666	49512	154
JAN 23	20903	20218	685	JAN 23	35877	35514	364
FEB 23	8150	7886	264	FEB 23	29791	29748	43
MAR 23	10047	10162	-115	MAR 23	32019	31793	226
APR 23	11298	10929	369	APR 23	27953	27577	376
MAY 23	6533	6534	-1	MAY 23	28832	28508	324
JUN 23	5243	5230	13	JUN 23	26799	26566	233
JUL 23	4043	4036	7	JUL 23	26904	26561	343
AUG 23	3276	3236	40	AUG 23	26756	26412	343
SEP 23	4187	4177	10	SEP 23	26058	25720	338
OCT 23	5747	5763	-16	OCT 23	28004	27693	311
NOV 23	1971	1956	15	NOV 23	27844	27756	89
DEC 23	1806	1795	11	DEC 23	25018	24932	86
JAN 24	1117	1117	0	JAN 24	14153	14052	101
FEB 24	885	880	5	FEB 24	11882	11802	80
MAR 24	3308	3308	0	MAR 24	15823	15738	85





	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
<b>Current Price</b>	<b>\$4.712</b>	<b>\$4.762</b>	<b>\$4.850</b>	<b>\$4.905</b>	<b>\$4.791</b>	<b>\$4.420</b>	<b>\$3.628</b>	<b>\$3.521</b>	<b>\$3.549</b>	<b>\$3.579</b>	<b>\$3.587</b>	<b>\$3.568</b>
Last Week	\$4.370	\$4.388	\$4.434	\$4.522	\$4.574	\$4.480	\$4.140	\$3.472	\$3.379	\$3.405	\$3.436	\$3.443
vs. Last Week	\$0.342	\$0.374	\$0.416	\$0.383	\$0.217	-\$0.060	-\$0.512	\$0.049	\$0.170	\$0.174	\$0.151	\$0.125
4 Weeks Ago	\$4.140	\$4.154	\$4.219	\$4.330	\$4.400	\$4.315	\$4.023	\$3.377	\$3.291	\$3.319	\$3.351	\$3.357
vs. 4 Weeks Ago	\$0.572	\$0.608	\$0.631	\$0.575	\$0.391	\$0.105	-\$0.395	\$0.144	\$0.258	\$0.260	\$0.236	\$0.211
Last Year	\$2.588	\$2.987	\$3.276	\$3.389	\$3.350	\$3.217	\$2.852	\$2.806	\$2.830	\$2.860	\$2.867	\$2.855
vs. Last Year	\$2.124	\$1.775	\$1.574	\$1.516	\$1.441	\$1.203	\$0.776	\$0.715	\$0.719	\$0.719	\$0.720	\$0.713

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	3.75	4.01	0.26
TETCO M3	\$/MMBtu	3.58	3.17	-0.41
FGT Zone 3	\$/MMBtu	3.40	4.36	0.96
Zone 6 NY	\$/MMBtu	3.40	3.15	-0.25
Chicago Citygate	\$/MMBtu	4.52	4.18	-0.34
Michcon	\$/MMBtu	4.48	4.13	-0.35
Columbia TCO Pool	\$/MMBtu	3.89	3.32	-0.57
Ventura	\$/MMBtu	4.42	4.17	-0.25
Rockies/Opal	\$/MMBtu	4.80	4.06	-0.74
El Paso Permian Basin	\$/MMBtu	4.48	4.02	-0.46
Socal Citygate	\$/MMBtu	5.98	5.05	-0.93
Malin	\$/MMBtu	4.40	4.42	0.02
Houston Ship Channel	\$/MMBtu	4.74	4.37	-0.37
Henry Hub Cash	\$/MMBtu	4.71	4.10	-0.61
AECO Cash	C\$/GJ	2.95	3.57	0.62
Station2 Cash	C\$/GJ	2.91	4.47	1.56
Dawn Cash	C\$/GJ	4.49	4.11	-0.38

Source: CME, Bloomberg

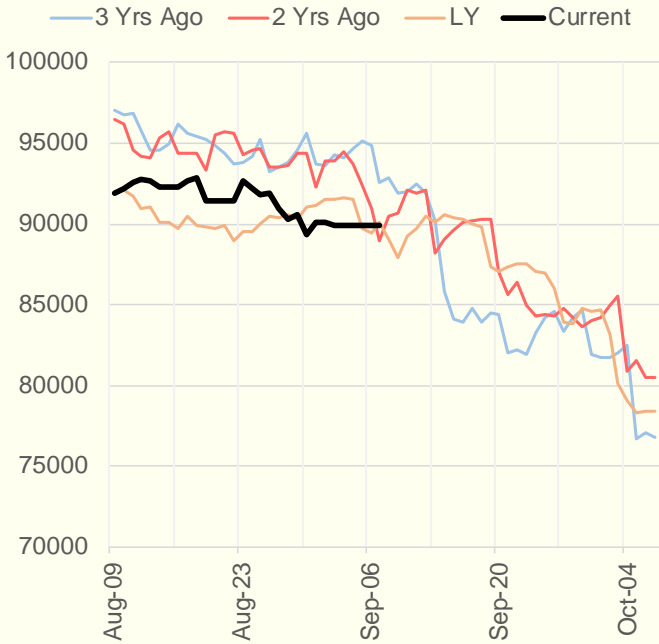
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	1.095	▲ 0.407	▲ 0.637	▲ 1.077
NatGas Oct21/Nov21	\$/MMBtu	0.050	▼ -0.004	▼ -0.018	▲ 0.002
NatGas Oct21/Jan22	\$/MMBtu	0.193	▼ -0.001	▼ -0.050	▼ -0.088
NatGas Apr22/Oct22	\$/MMBtu	-0.033	▼ -0.029	▼ -0.030	▼ -0.056
WTI Crude	\$/Bbl	69.29	▲ 0.080	▲ 2.810	▲ 29.520
Brent Crude	\$/Bbl	72.22	▼ -1.190	▲ 3.180	▲ 30.210
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	215.94	▲ 1.910	▲ 11.730	▲ 100.790
Propane, Mt. Bel	cents/Gallon	1.19	▲ 0.079	▲ 0.109	▲ 0.709
Ethane, Mt. Bel	cents/Gallon	0.36	▲ 0.027	▲ 0.022	▲ 0.167
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			

## Weather Storage Model - Next 4 Week Forecast

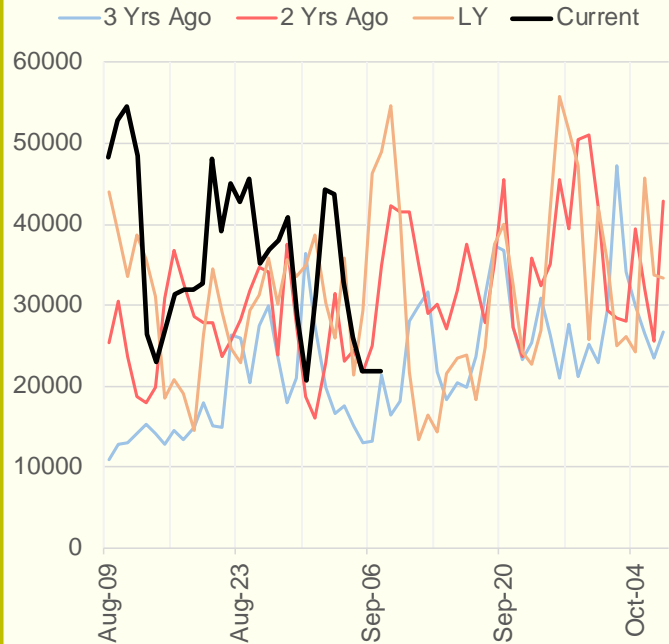


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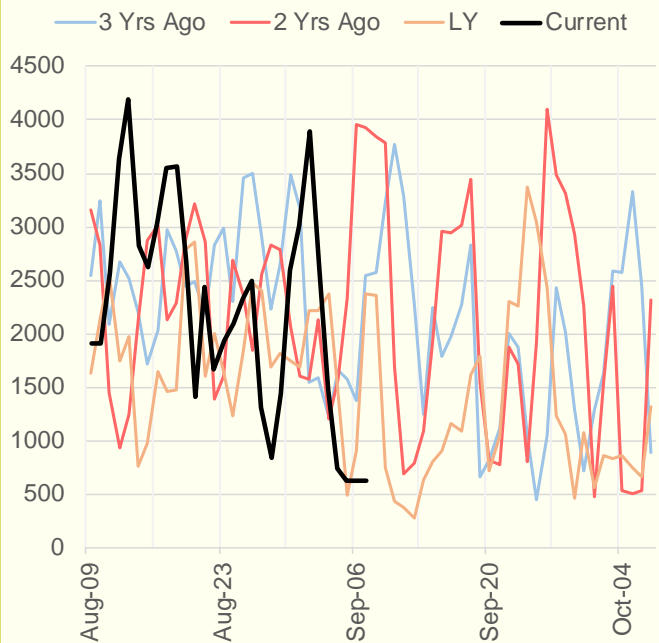
### NRC Nuclear Daily Output



### US Wind



### CALI Wind



### TEXAS Wind

