



# Fuel Supply Update

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Operating Committee  
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## Coal

- Inventories up
- Production up
- Demand down
- Prices trending down

## Natural Gas

- Production up
- Storage inventory well above average
- Demand down
- Low prices

## Oil

- Distillate and Residual regional and generator on site inventories rising
- Regional demand low
- Price down

## Production

- Year to date Appalachian production approximately equal to YTD 2022 volumes

## Transportation

- No major issues currently identified

## Prices

- Appalachian spot prices dropping steadily over last six months
- Coal price remains higher than natural gas

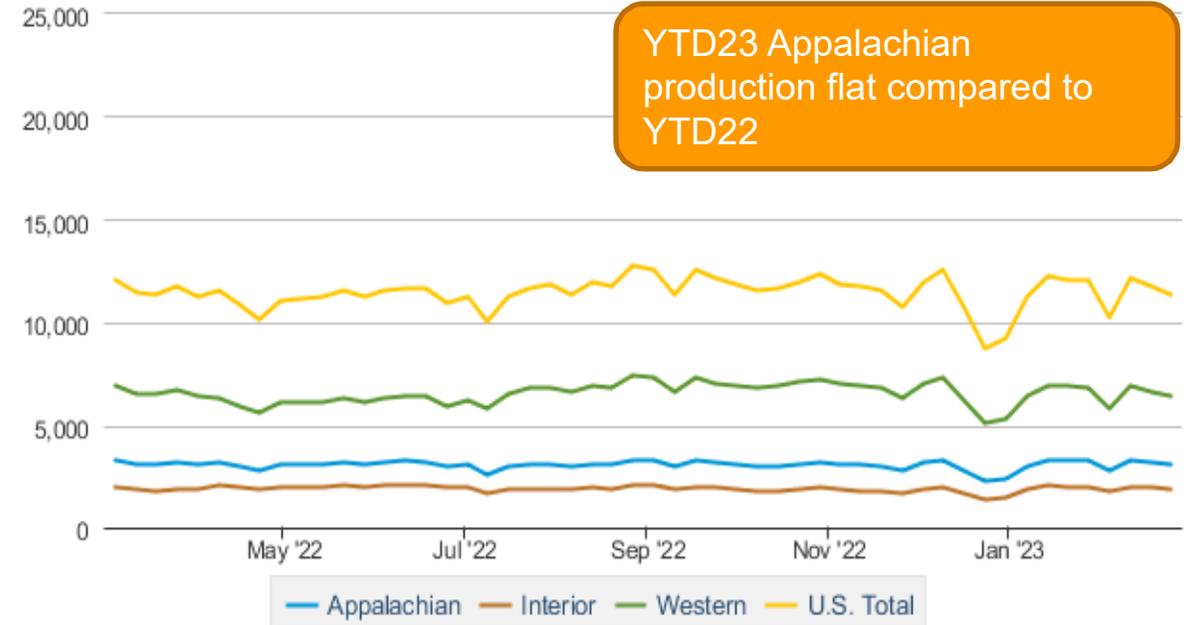
## Average weekly coal commodity spot prices

dollars per short ton

	Week ending					Week ago change
	02/03/23	02/10/23	02/17/23	02/24/23	03/03/23	
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$131.65	\$131.65	\$135.70	\$135.70	\$128.60	\$-7.10
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$97.75	\$97.75	\$100.75	\$100.75	\$97.50	\$-3.25
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$123.75	\$123.75	\$123.75	\$123.75	\$107.00	\$-16.75
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.40	\$15.40	\$15.50	\$15.50	\$15.30	\$-0.20
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.55	\$37.55	\$37.40	\$37.40	\$37.25	\$-0.15

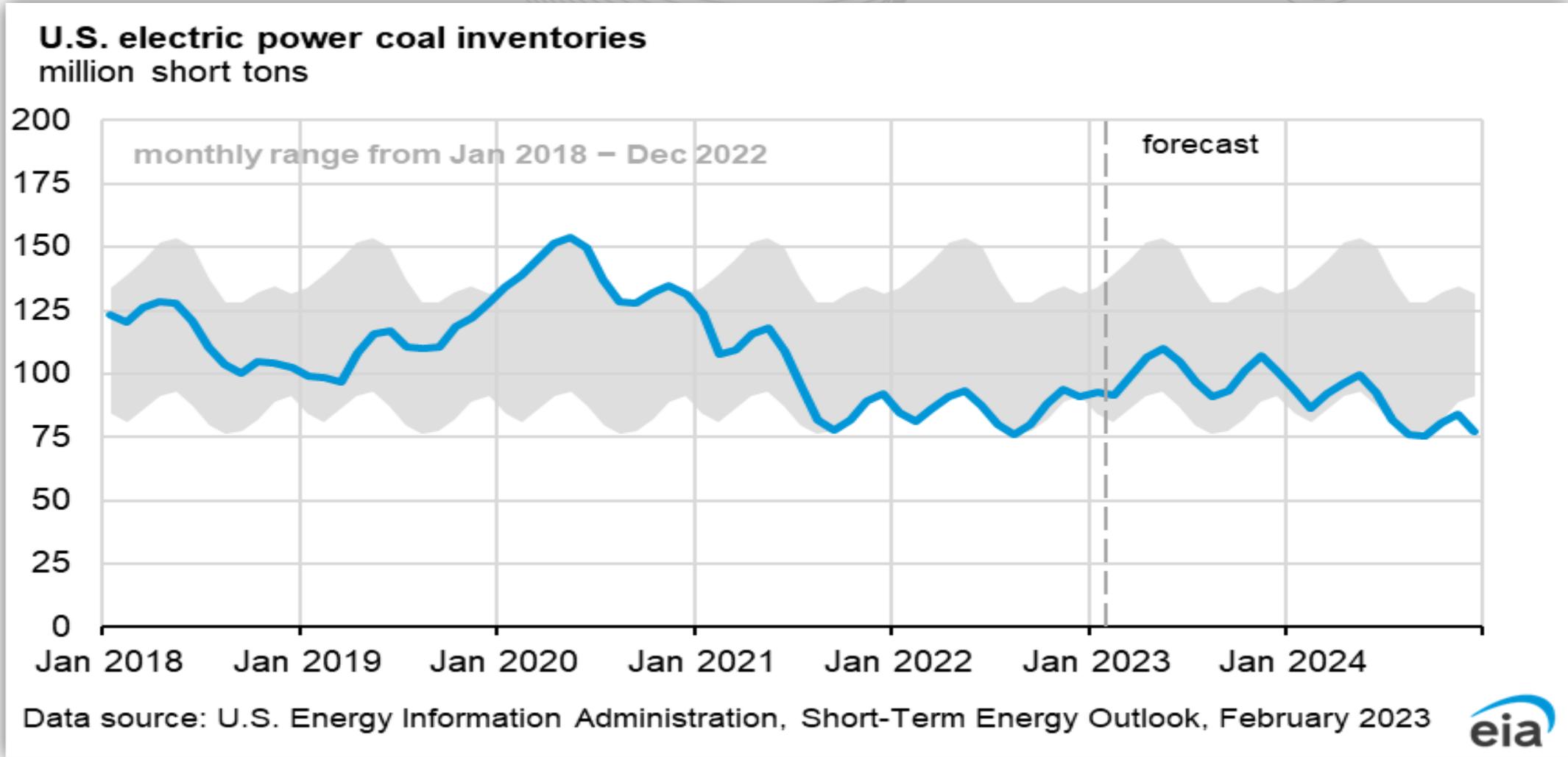
## Weekly coal production by region

thousand short tons



eia Data source: U.S. Energy Information Administration

EIA forecasted inventory continues to decline based on anticipated generator retirements



## Production

- Average daily rates above 2022 levels
- Current low gas price environment could lead to leveling off or even lowering production

## Storage

- 19% inventory surplus to the 5 year average on warmer winter conditions

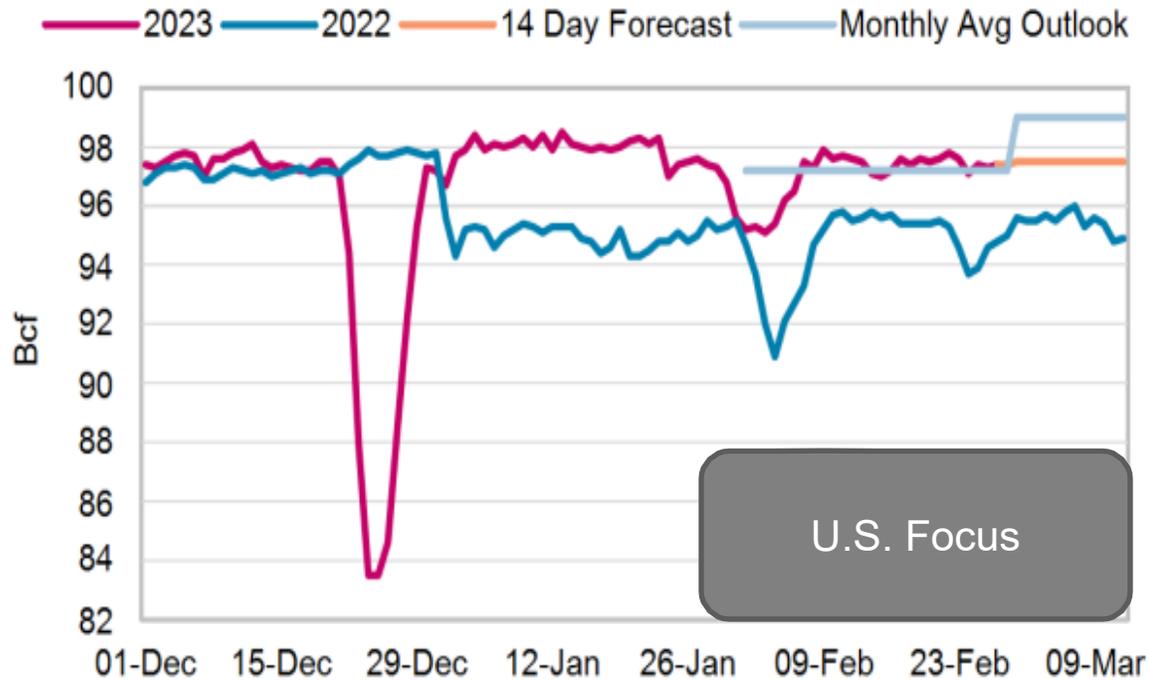
## Prices

- Low spot prices (<\$2.50/mmbtu) across the footprint
- April futures price trading around \$2.60/mmbtu after bottoming just under \$2/mmbtu at the end of February

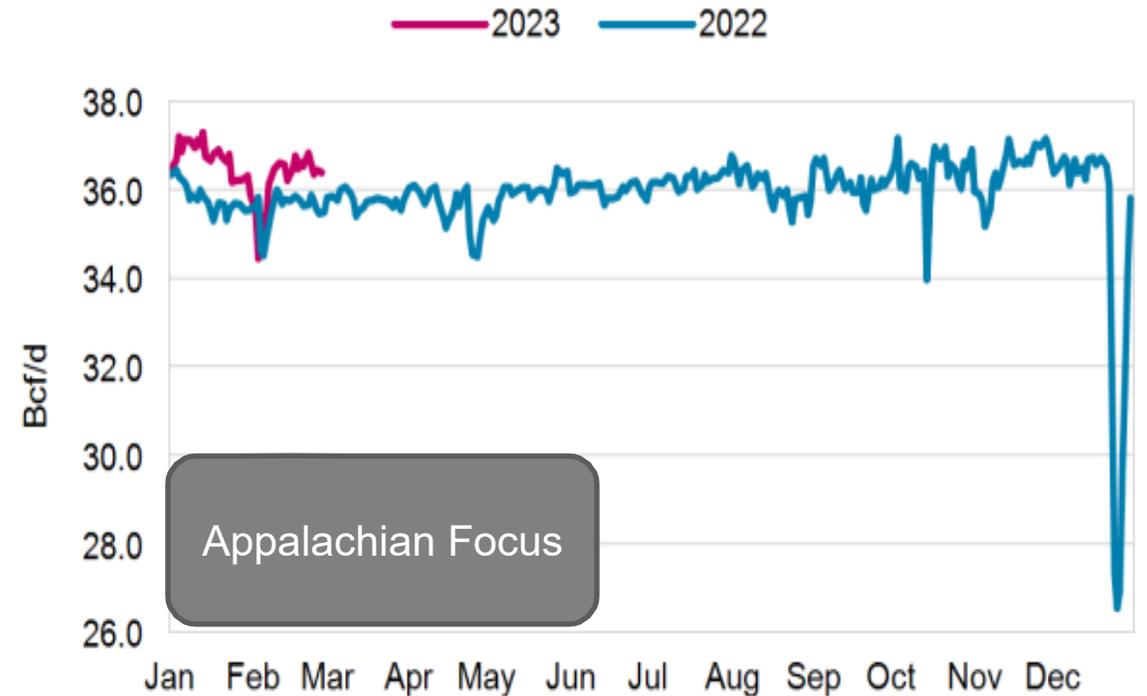
## LNG

- Export capacity continues to be fully utilized
- Freeport, Texas terminal ramping back up to full 2 bcf/day capacity

## TOTAL U.S. DRY GAS PRODUCTION



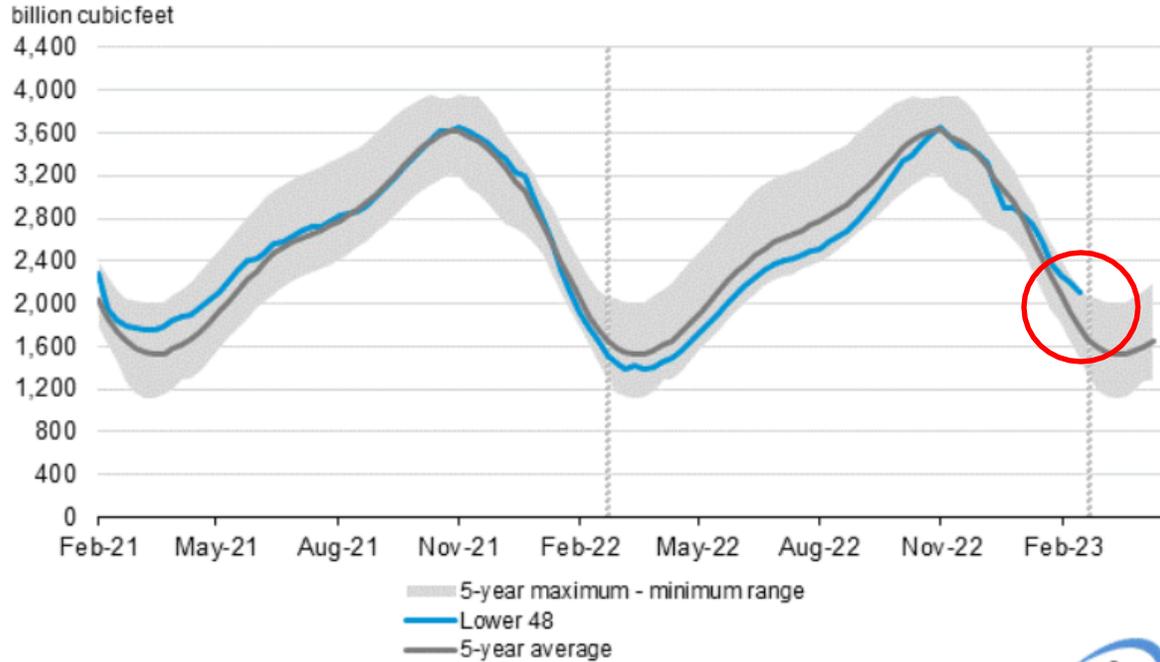
## NORTH (NE-MW) REGION DRY GAS PRODUCTION



# Natural Gas Underground Storage – As Of 2/24/23

19% above 5 year average

Working gas in underground storage compared with the 5-year maximum and minimum



Data source: U.S. Energy Information Administration

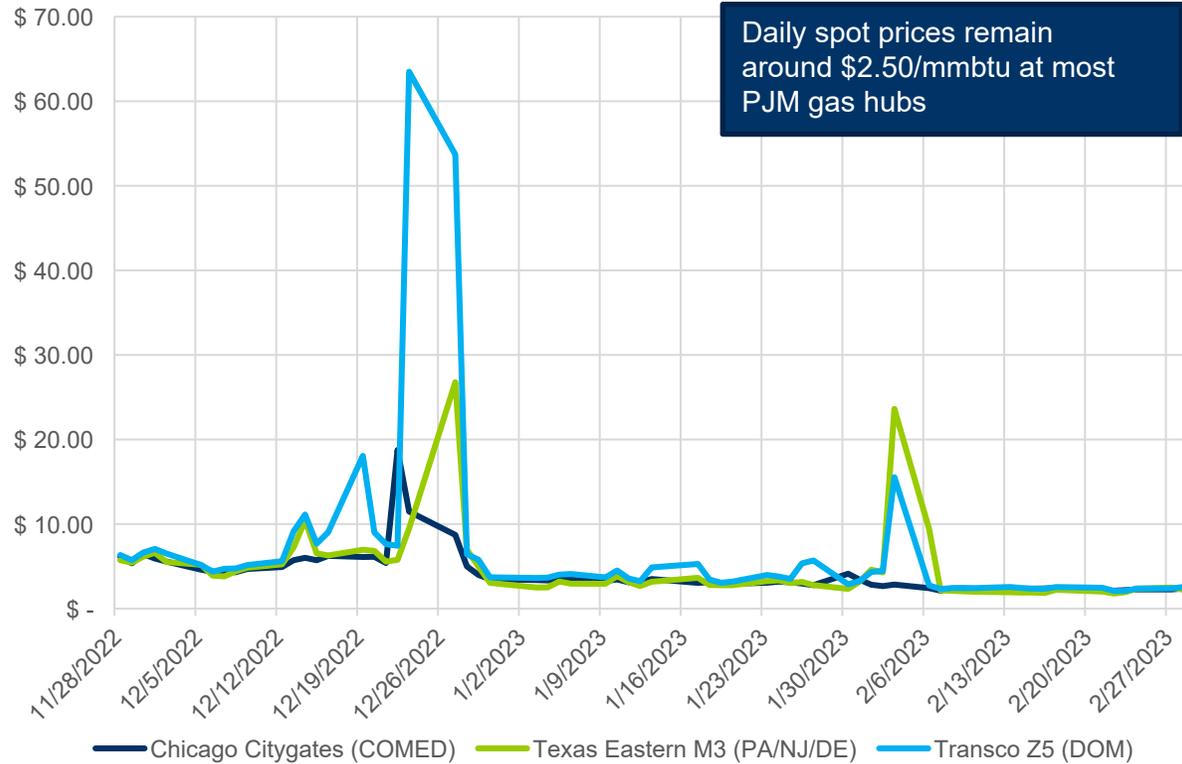


Working gas in underground storage, Lower 48 states

[Summary text](#) [CSV](#) [JSON](#)

Region	Stocks billion cubic feet (Bcf)				Historical Comparisons			
	02/24/23		02/17/23		Year ago (02/24/22)		5-year average (2018-22)	
	Bcf	% change	Bcf	% change	Bcf	% change	Bcf	% change
East	451	24.2	479	15.6	363	24.2	390	15.6
Midwest	544	32.4	575	22.0	411	32.4	446	22.0
Mountain	99	2.1	106	-1.0	97	2.1	100	-1.0
Pacific	99	-40.4	108	-43.8	166	-40.4	176	-43.8
South Central	922	47.5	926	39.7	625	47.5	660	39.7
Salt	261	59.1	262	39.6	164	59.1	187	39.6
Nonsalt	661	43.4	664	39.7	461	43.4	473	39.7
<b>Total</b>	<b>2,114</b>	<b>27.1</b>	<b>2,195</b>	<b>19.3</b>	<b>1,663</b>	<b>27.1</b>	<b>1,772</b>	<b>19.3</b>

## Daily Average Spot Price - PJM Hubs 3 Month History



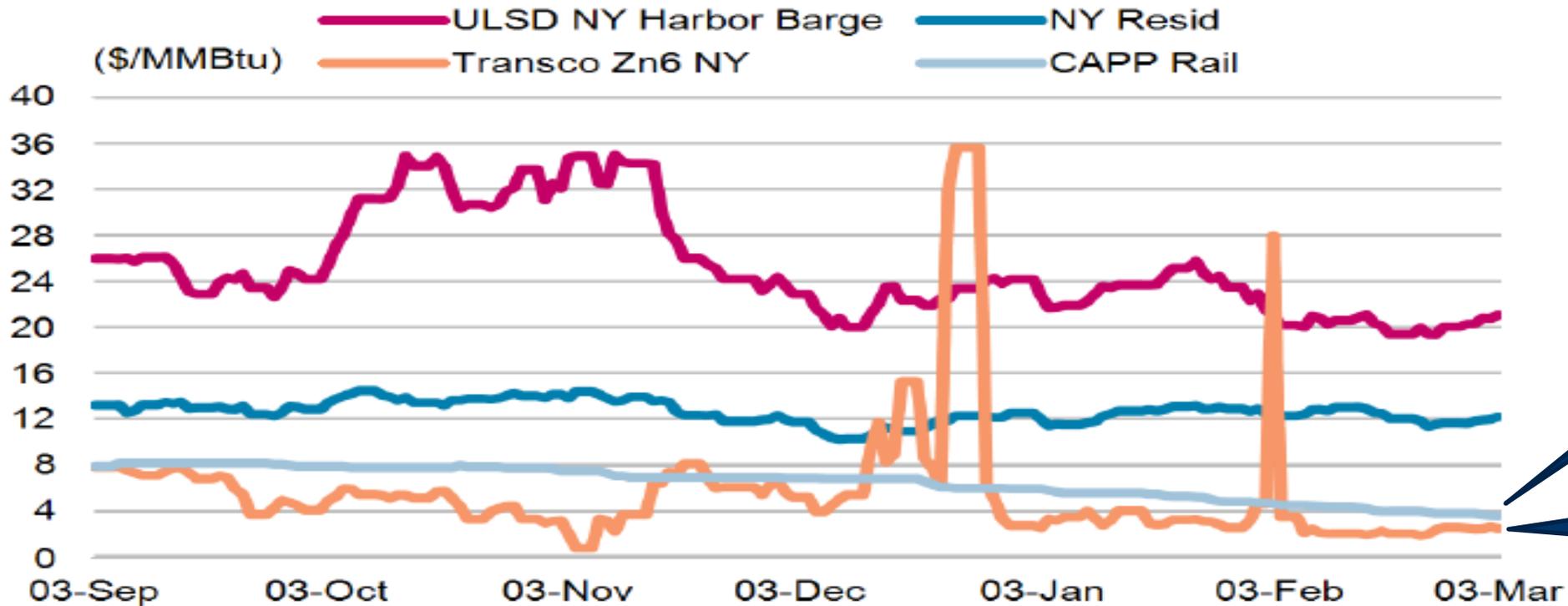
## Natural Gas Futures

### NYMEX prompt month futures continuation



Gas price < coal price

## NORTHEAST COMPETITIVE FUEL COSTS



Central App Coal Price

Spot Transco Z6 Gas Price

## Regional Inventory

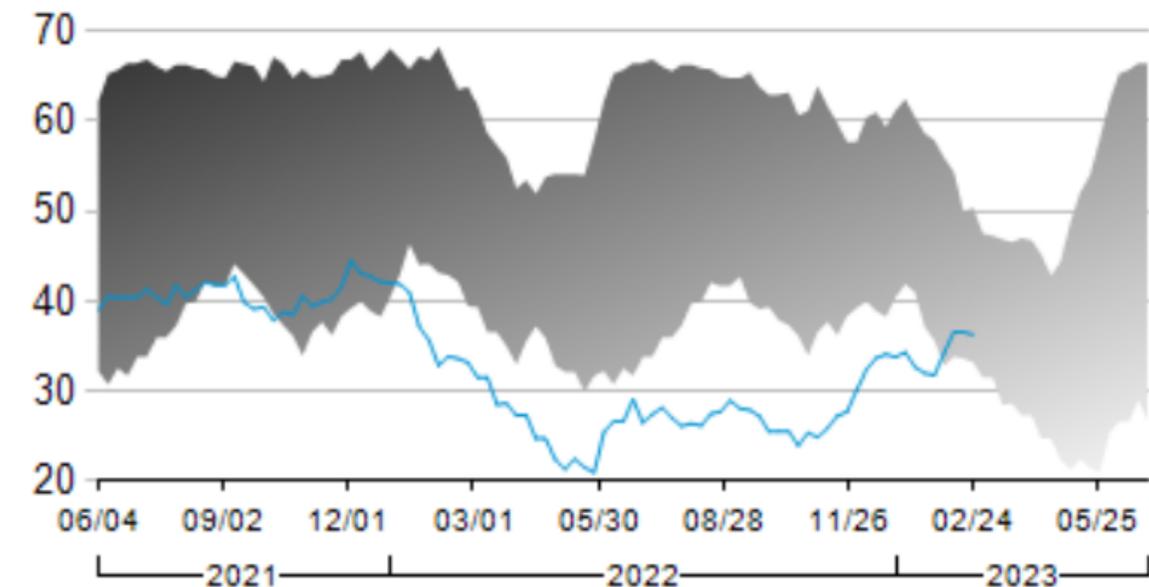
- EIA PADD 1 (East Coast) inventories of low sulfur diesel and residual fuel oil continue to improve helped by an overall mild winter

## Prices

- ULSD has dropped below \$3/gal. continuing a gradual downtrend from the near \$6/gal. peak in early 2022

### PADD 1 Total Distillate Fuel Oil Stocks

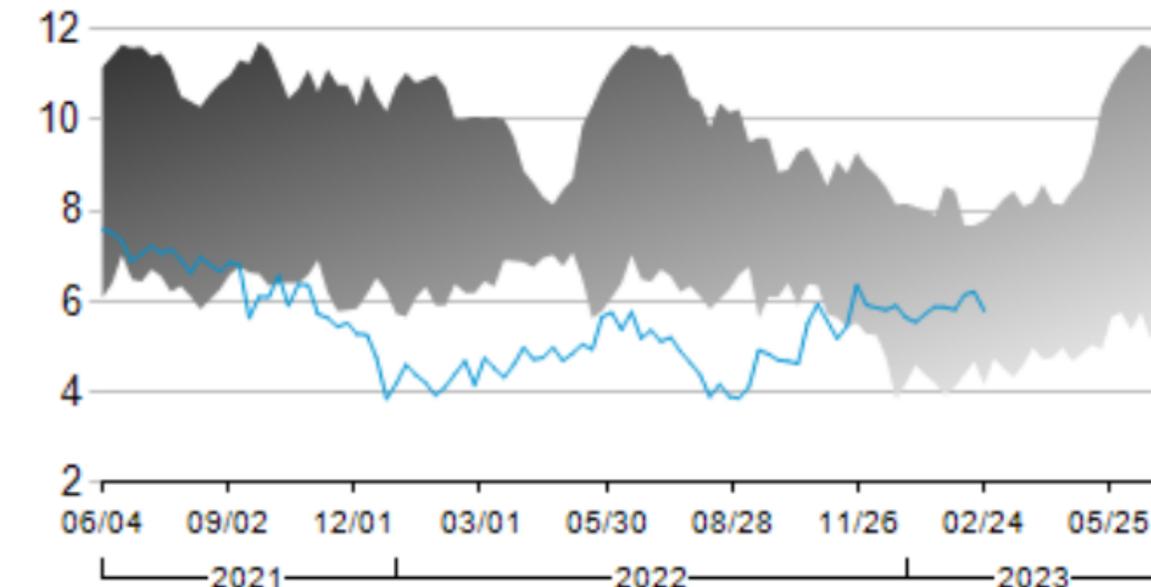
Million Barrels



5-yr Range Weekly

### PADD 1 Residual Fuel Oil Stocks

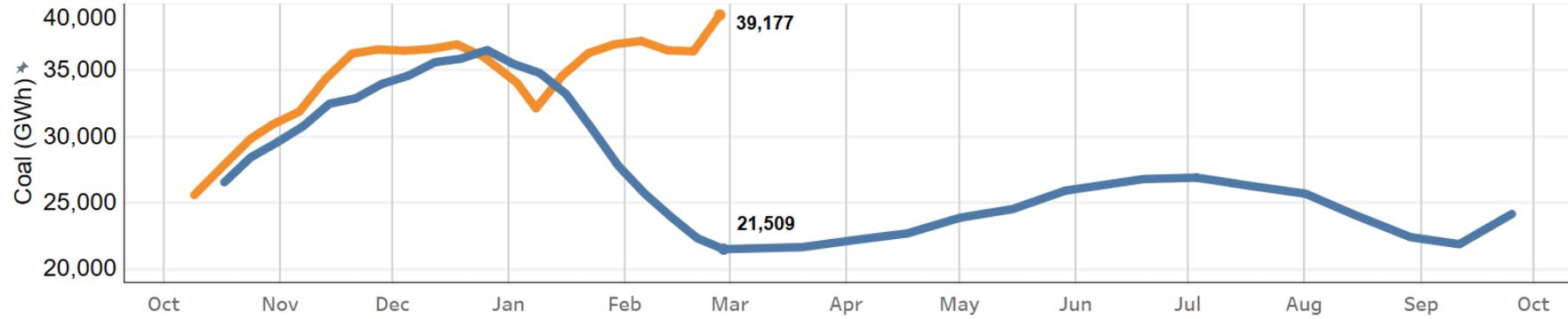
Million Barrels



5-yr Range Weekly



## Coal



## Oil



## Generator Fuel Data Requests

- With overall improvements in fuel and non fuel consumable inventories and diminished supply chain risk, PJM has announced a suspension of these data requests
- PJM will continue to assess the needs for this data for operational planning purposes and reserves the right to initiate future requests as needed
- PJM encourages generators to continue to utilize Markets Gateway to accurately identify fuel related operational restrictions

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## Fuel Supply Update



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

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POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

