



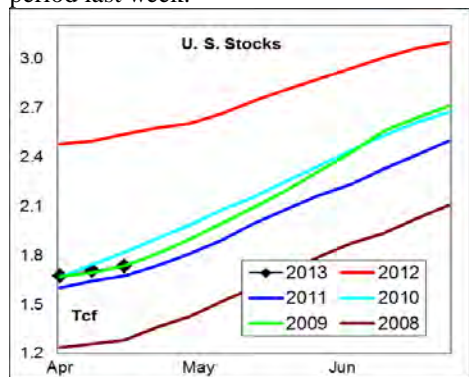
## WEEKLY NATURAL GAS SUPPLY and PRICE TRENDS

### A Fundamental Petroleum Trends Weekly Report

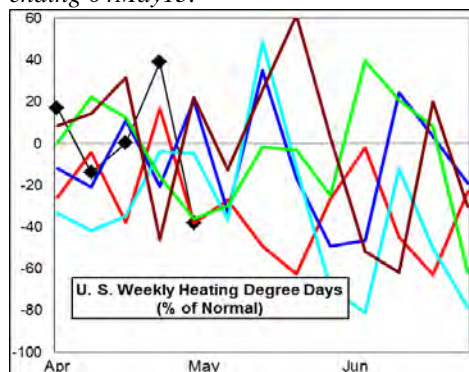
Lehi German Tel: 816.505.0980 [www.fundamentalpetroleumtrends.com](http://www.fundamentalpetroleumtrends.com) Tuesday, April 30, 2013



**Summary**<sup>1</sup> The stock build of +30 Bcf for the week matched 5-year lows for the period last week.



Heating degree days for the week ending 20Apr13 were normal, for the week ending 27Apr13 were +39% above normal and forecast to be -38% below normal for week ending 04May13.



In the East Region stocks increased +21 Bcf for the week, a build comparable to the last 2-years. Stocks decreased -2 Bcf in the West Region, compared to an average build of +5 Bcf for the week. Stocks were +11 Bcf higher on the week in the Producing region, a build equal to the mid range of the last 2-years.

Heating degree days were -10% below normal in the East Region, +37% above normal in the West Region and +46% above normal in the Producing Region for the week ending 20Apr13.

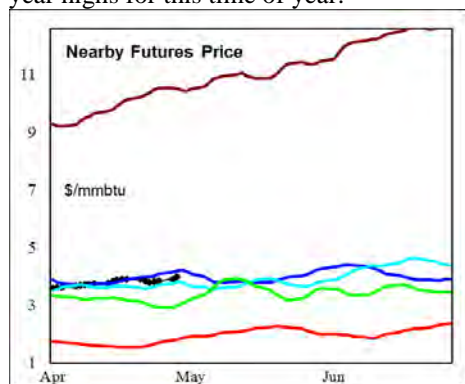
**Heating degree days** were normal for the week ending 20Apr13, +39% above normal for the week ending 27Apr13 and

forecast to be -38% below normal for the week ending 04May13.

The 6-10 day NWS forecast for the week ending 09May13 is for above normal heating degree days in the southeast and well below normal in the western 1/3rd of the country.

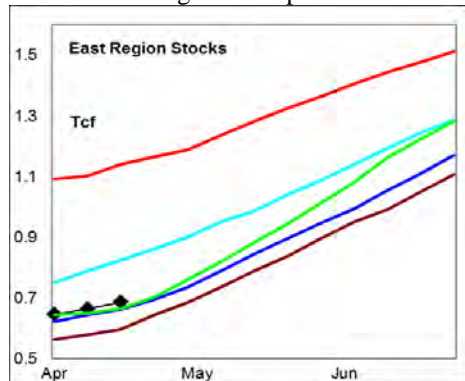
The 8-14 day NWS forecast for the week ending 13May13 is for above normal heating degree days in the central and southeast, and well below normal for the western 1/2 of the country.

**Prices:** Nearby gas futures prices increased +\$0.14/mmbtu for the week ending 30Apr13. The current price level is near 4-year highs for this time of year.



The 1<sup>st</sup> - 4<sup>th</sup> month forward price curve extended the longer term uptrend last week, to a new record high for this time of year on a colder than normal early spring.

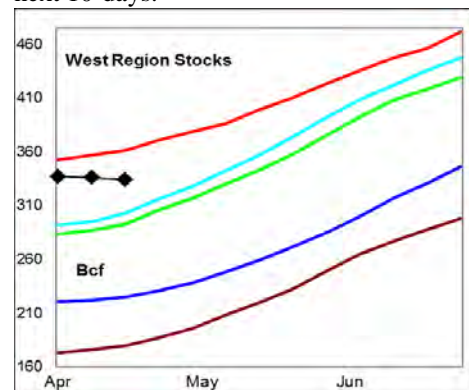
**East Region** stocks increased +21 Bcf for the week, a build comparable to the last 2-years. The current stock level matched the historic mid range for the period.



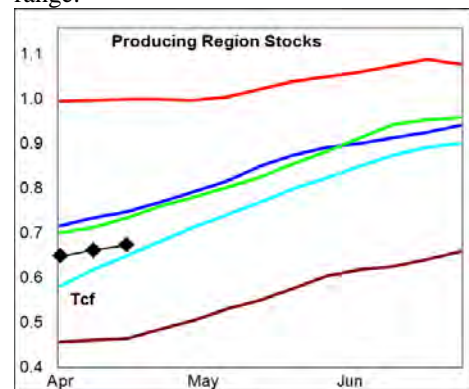
Heating degree days in the region were --10% below normal for the week ending 20Apr13, +36% above normal for the week ending 27Apr13 and forecast to be -44% below normal for the week ending 04May13. Heating degree days are forecast to be much near normal in the region for the next 10-days.

**West Region** stocks declined -2 Bcf last week, compared to an average build of +5

Bcf. Stock levels ended the week -8% below last year. Heating degree days were +37% above normal for the week ended 20Apr13, +9% above normal for the week ended 20Apr13 and forecast to be -33% below normal for the week ended -04May13. Heating degree days are forecast to be much below normal for the next 10-days.



**Producing Region** stocks increased +11 Bcf for the week, a build near the historic mid range for the week. Stock levels ended the week well below the 5-year mid range.



Heating degree days were +46% above normal for the week ended 20Apr13, +136% above normal for the week ended 27Apr13 and forecast to be +24% above normal for the week ending 04May13. Above normal heating degree days are forecast for the next 10-days.

**Residual Fuel Oil Switching:** The price spread between fuel oil and natural gas remains highly favorable for gas, with residual fuel demand -24% below last year.

**Outlook:** Below normal stock builds have occurred for the last 3-wks due to the late winter heating season demand. Carry out stock levels match the 5-year mid range. These fundamental trends could support prices in the shoulder season ahead of peak summer electric power demand.

#### <sup>1</sup> Related Web Sites:

[Data Source is EIA Weekly Statistics](#)

[National Weather Service 6-10 Day](#)

[National Weather Service 10-14 Day](#)

## NATURAL GAS: Graph Link and Weekly Summary



Report prepared as of: April 30, 2013

For the week ending: 19-Apr-13

### Weekly Trends in Stocks and Heating Degree Days for the week ending:

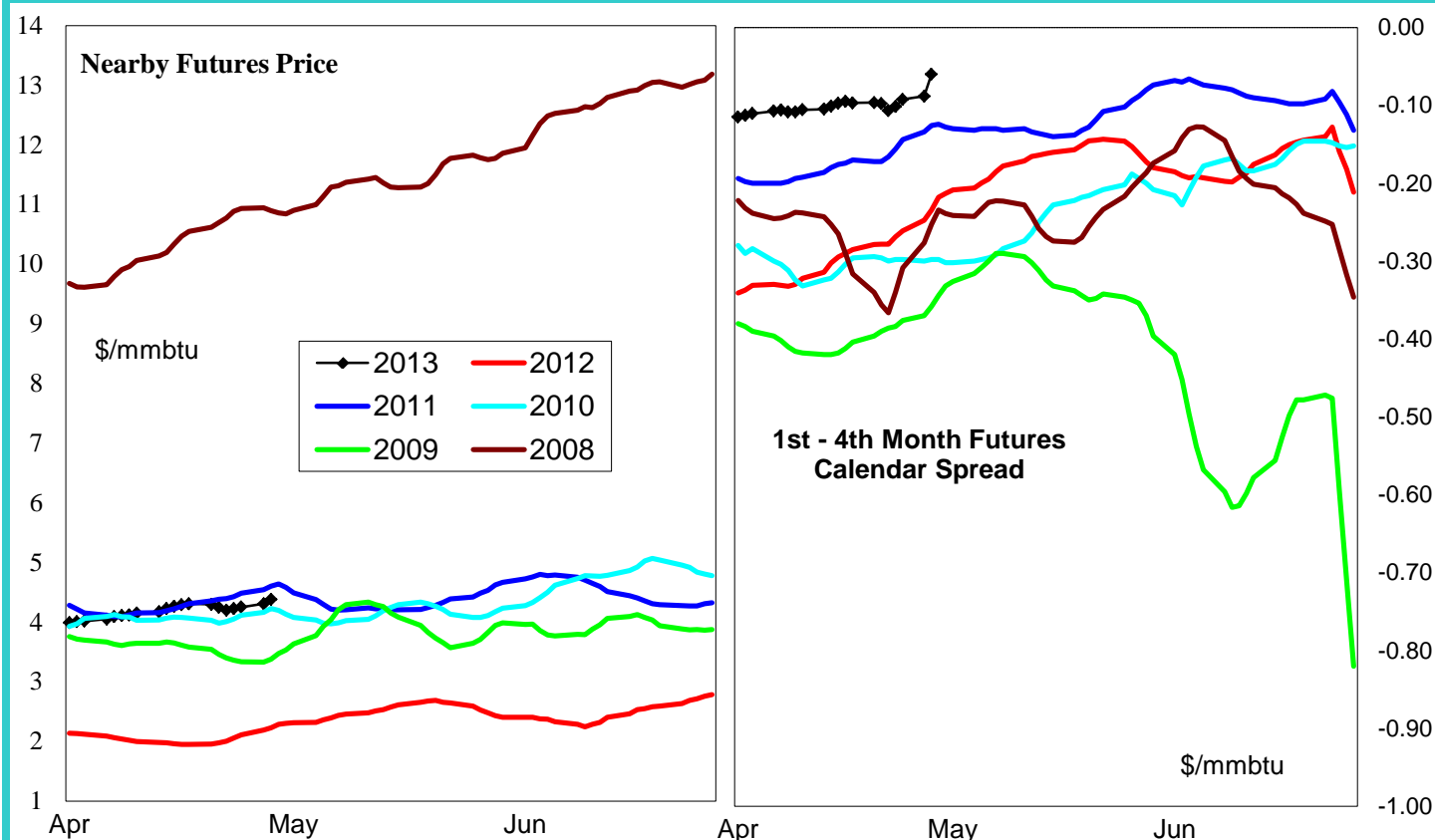
Week ending:	19-Apr-13			20-Apr-13		27-Apr-13		4-May-13	
Region	Weekly Stocks			Weekly Heating Degree Days					
	Bcf	Change vs prior:		Change vs prior week	% of normal	Change vs prior week	% of normal	Change vs prior week	% of normal
		Week Bcf	Year (%)						
U.S. Total	1,734	30	-31.8	0	0%	15	39%	-64	-38%
East	686	21	-39.8	-3	-10%	26	36%	-76	-44%
West	334	-2	-7.5	13	37%	-41	9%	-44	-33%
Producing	714	11	-31.4	1	46%	11	136%	-36	24%

### Seasonal Trends in Stocks and Heating Degree Days

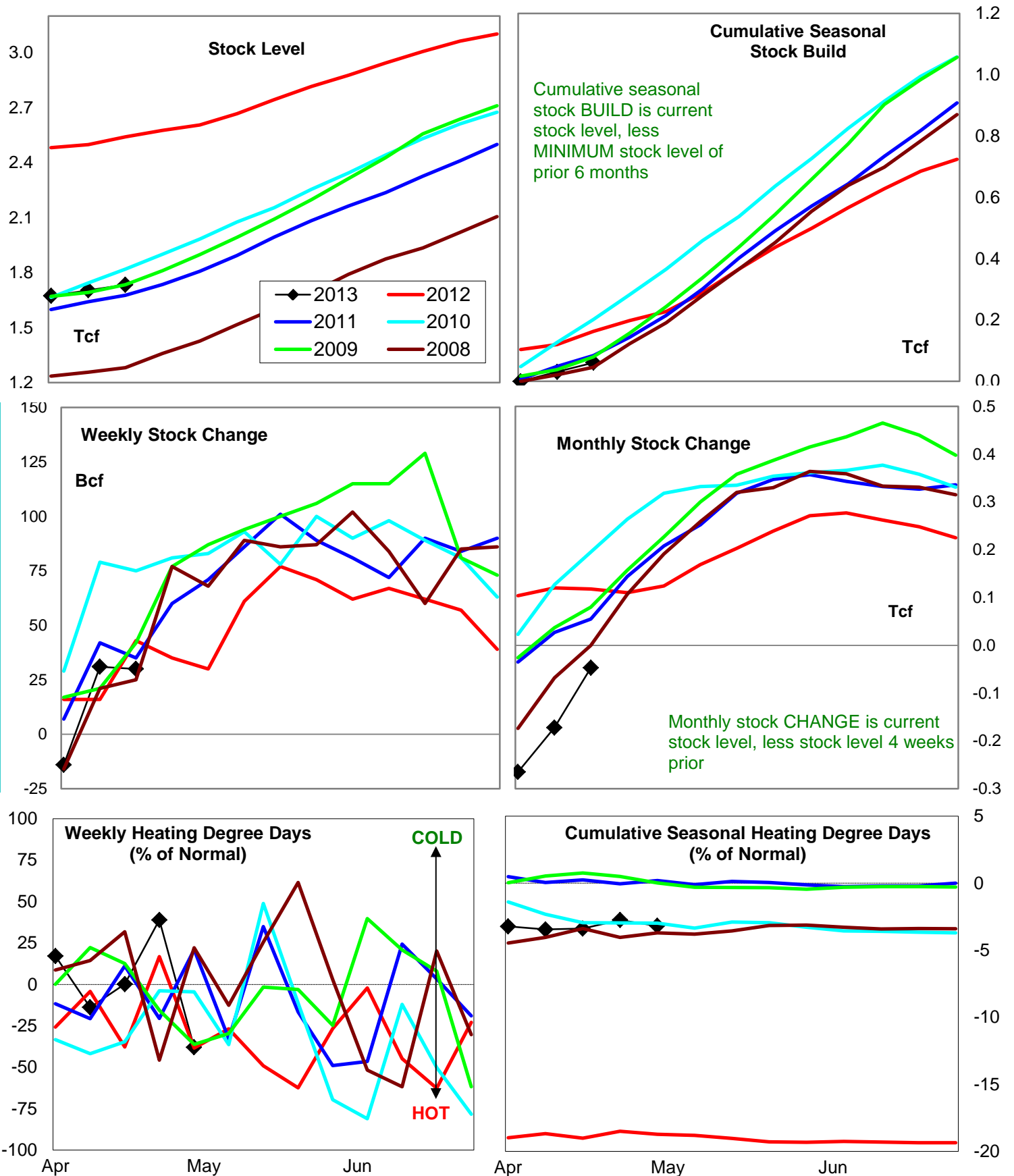
	Cumulative Stock Change			Cumulative Heating Degree Days					
	Bcf	Change vs prior year		CHDD's vs normal	% of normal	CHDD's vs normal	% of normal	CHDD's vs normal	% of normal
		Bcf	%						
<b>U.S. Total</b>	<b>61</b>	<b>-102</b>	<b>-167.2</b>	<b>87</b>	<b>-3.4</b>	<b>102</b>	<b>-2.7</b>	<b>38</b>	<b>-3.2</b>
<b>East</b>	<b>40</b>	<b>-49</b>	<b>-122.5</b>	<b>90</b>	<b>-2.9</b>	<b>116</b>	<b>-2.3</b>	<b>40</b>	<b>-2.9</b>
<b>West</b>	<b>4</b>	<b>-13</b>	<b>-325.0</b>	<b>136</b>	<b>-3.4</b>	<b>95</b>	<b>-3.1</b>	<b>51</b>	<b>-3.6</b>
<b>Producing</b>	<b>24</b>	<b>-52</b>	<b>-216.7</b>	<b>49</b>	<b>-6.3</b>	<b>60</b>	<b>-5.0</b>	<b>24</b>	<b>-4.8</b>

### Futures Market Price Trends

Date:	30-Apr-13	Change vs prior week, month, year		
		24-Apr-13	3-Apr-13	9-May-12
<b>1st month Futures</b>	<b>4.38</b>	<b>0.21</b>	<b>0.48</b>	<b>1.95</b>
<b>% change</b>	<b>xxxxx</b>	<b>5.1</b>	<b>12.3</b>	<b>80.2</b>



# United States Natural Gas Stock and Weather Trends



Variance to prior year

Stock  
LevelWeekly Stock  
ChangeMonthly Stock  
ChangeCumulative Stock  
Change

BCF

-807

-13

-165

-102

Percent Change (%)

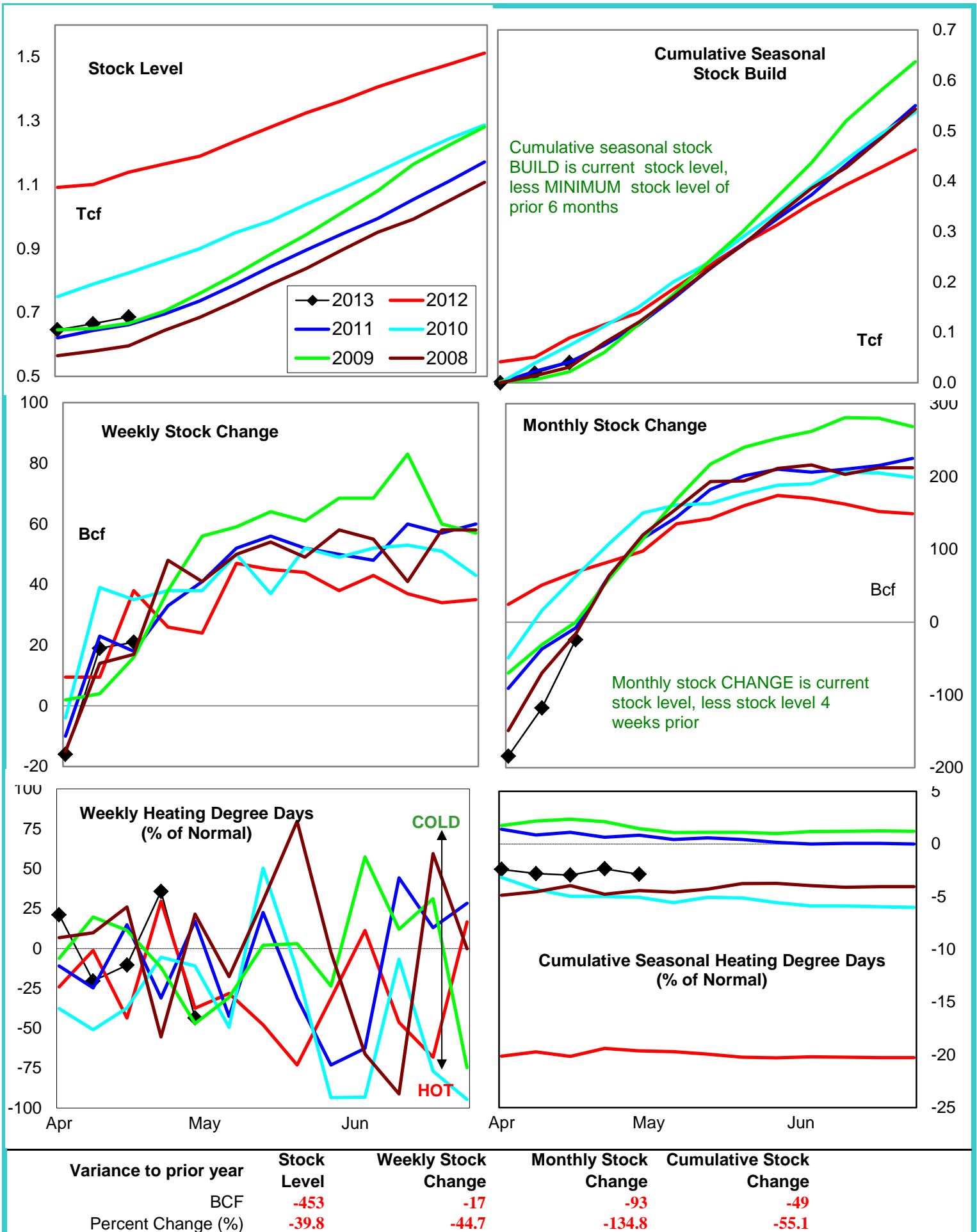
-31.8

-30.2

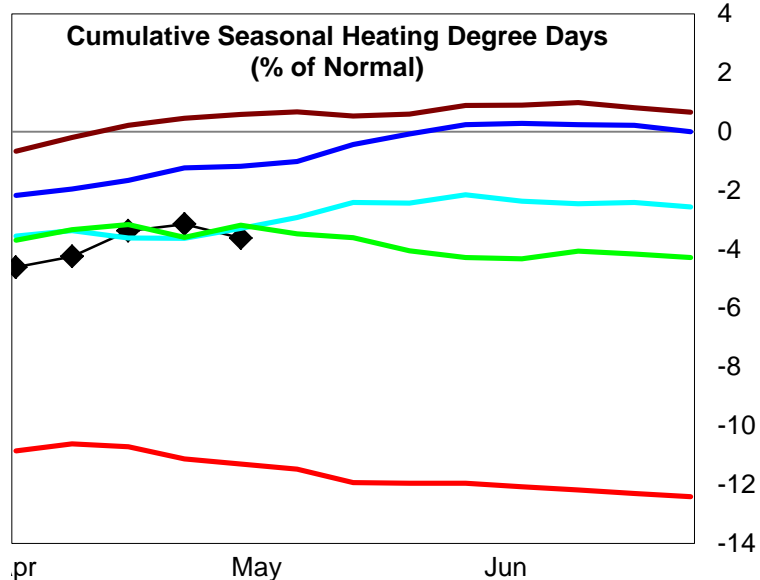
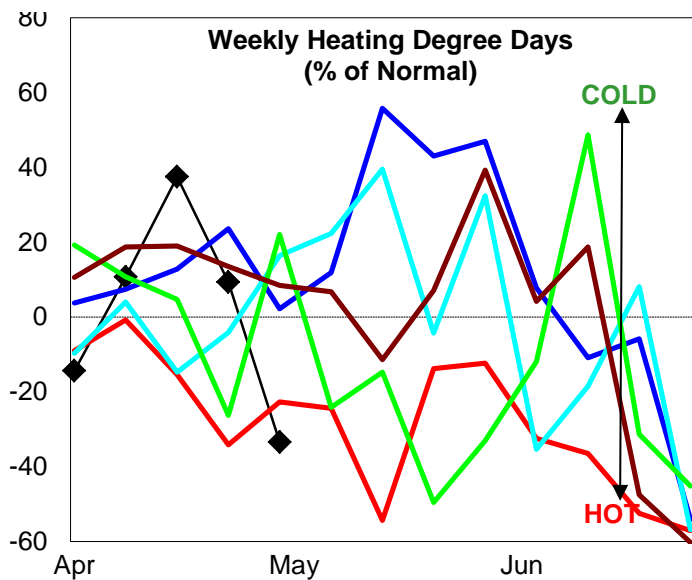
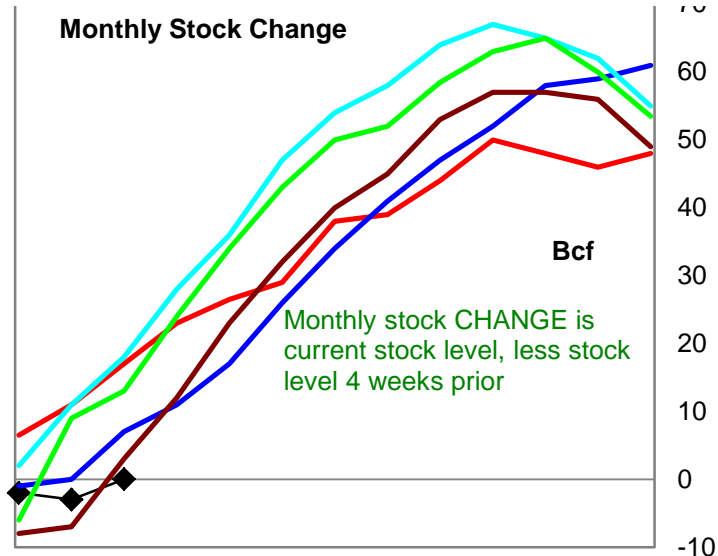
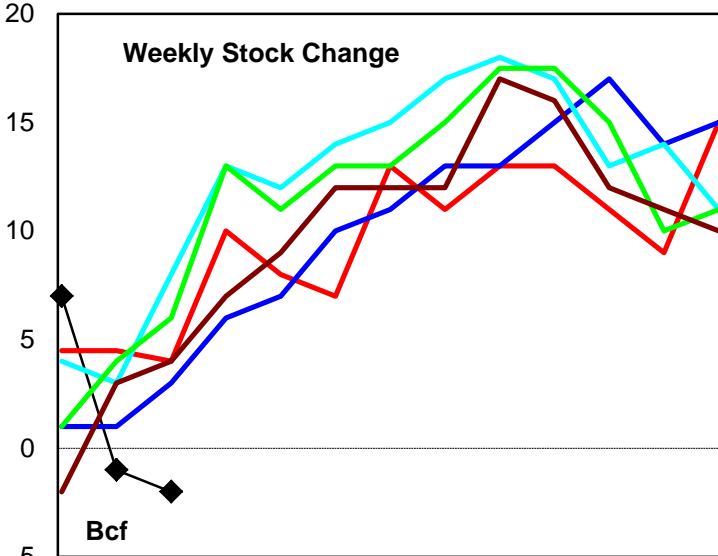
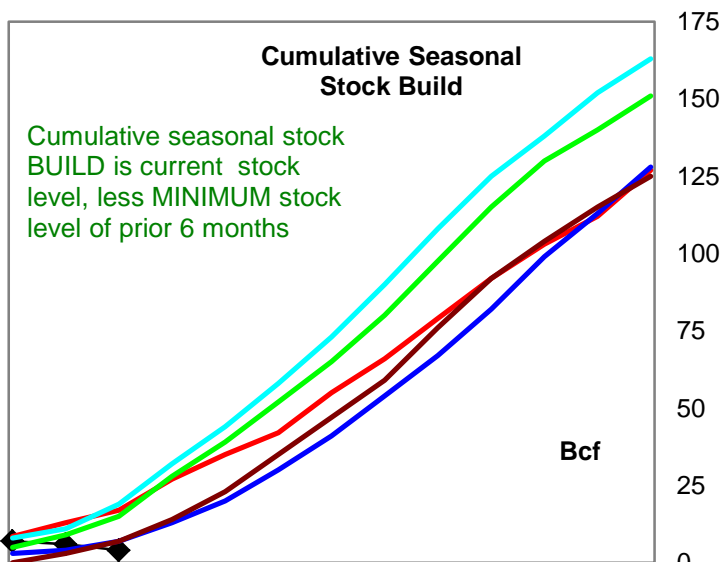
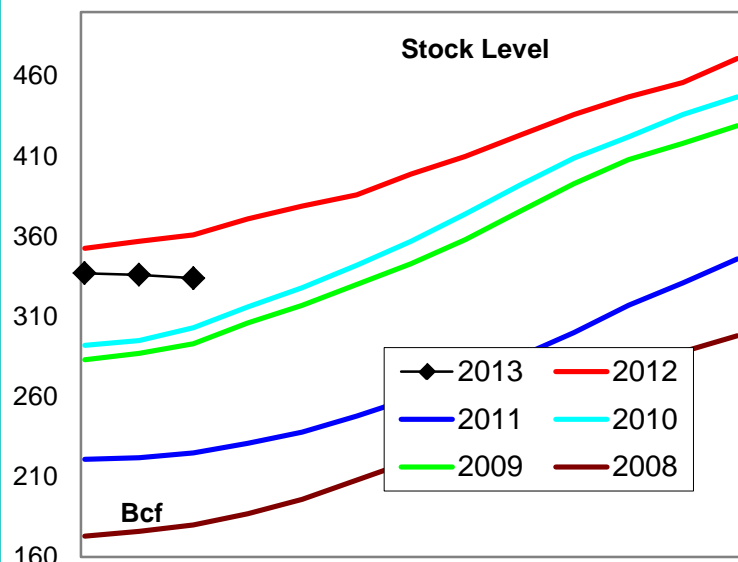
-139.8

-62.6

# Natural Gas East Region Stock and Weather Trends



# Natural Gas West Region Stock and Weather Trends



Variance to prior year

Stock Level

Weekly Stock Change

Monthly Stock Change

Cumulative Stock Change

BCF  
Percent Change (%)

-27

-7.5

-6

-150.0

-17

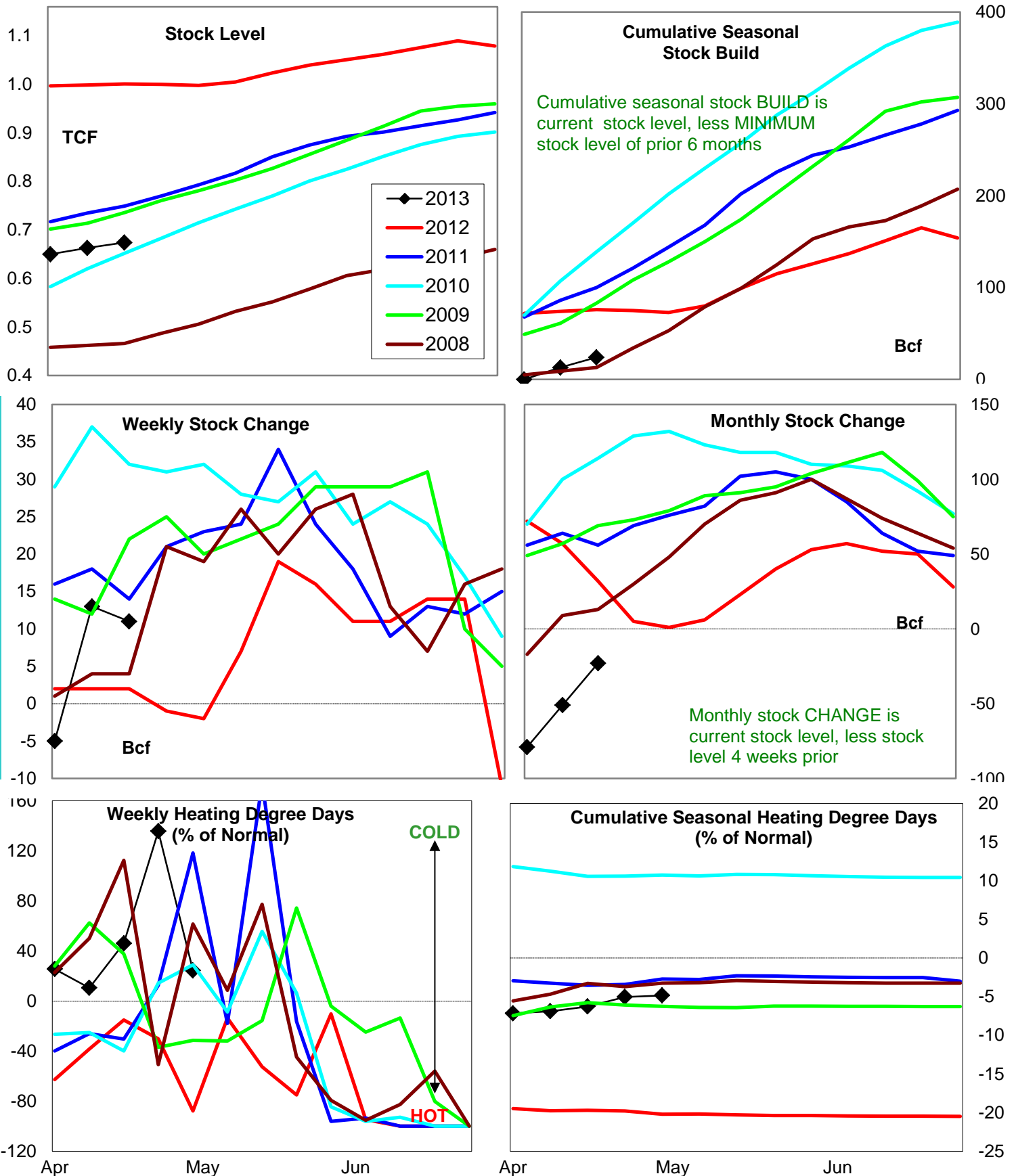
-100.0

-13

-76.5



# Natural Gas Producing Region Stock and Weather Trends



Variance to prior year

Stock  
LevelWeekly Stock  
ChangeMonthly Stock  
ChangeCumulative Stock  
Change

BCF

-327

9

-55

-52

Percent Change (%)

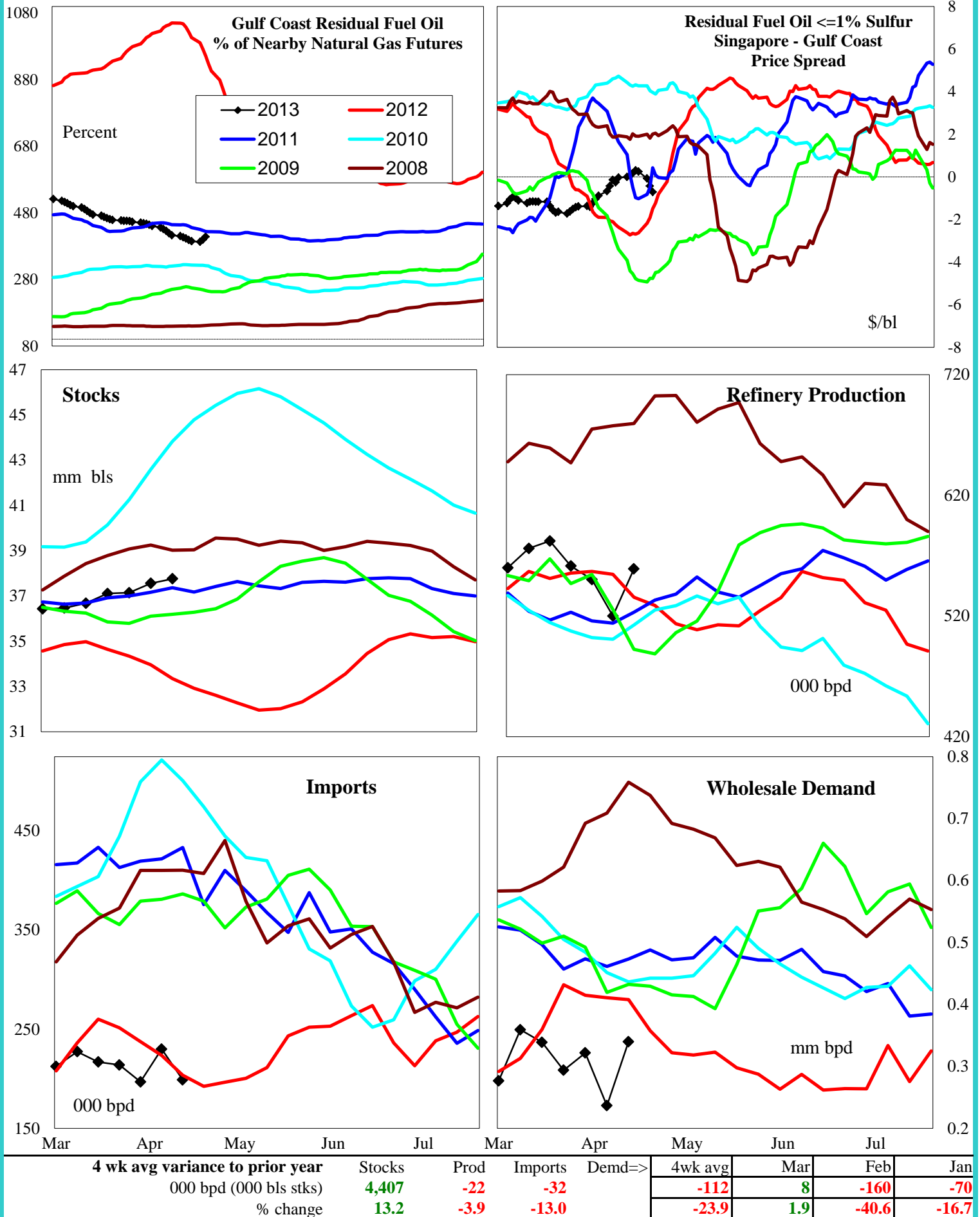
-31.4

450.0

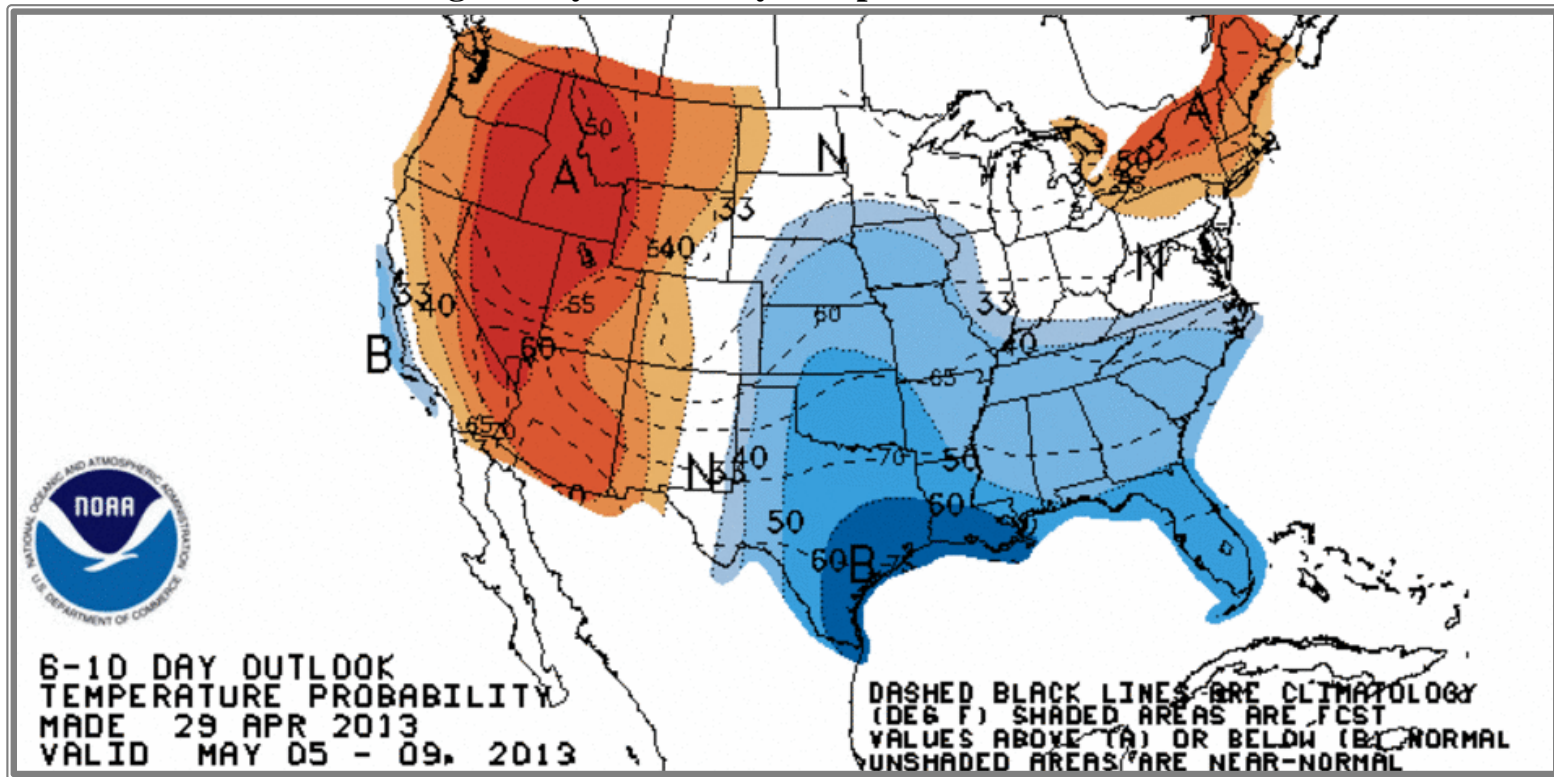
-171.9

-68.4

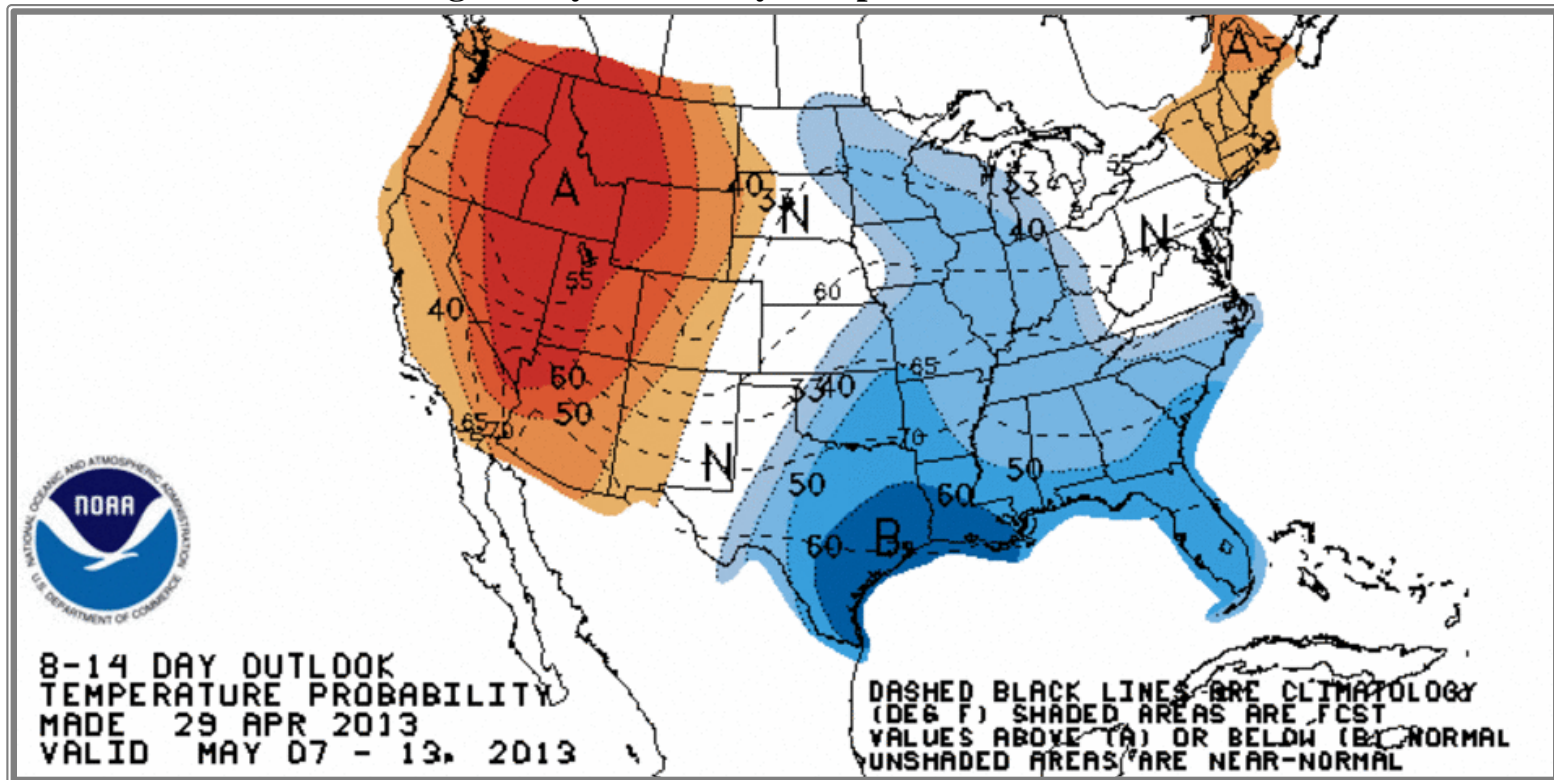
## U.S. Residual Fuel Oil Price Spreads and Supply Balance



## National Weather Service Climate Prediction Center Degree Days 6 - 10 Day Temperature Forecast



## National Weather Service Climate Prediction Center Degree Days 8 - 14 Day Temperature Forecast





# American Gas Association Regions

