



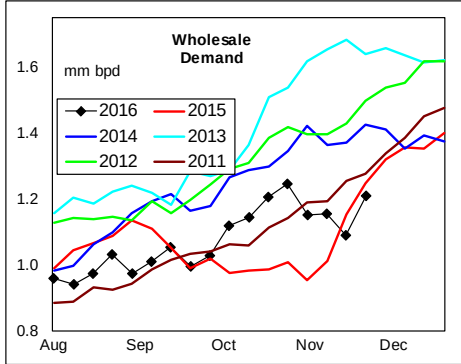
WEEKLY PROPANE SUPPLY-DEMAND-PRICE TRENDS

A Fundamental Petroleum Trends Weekly Report

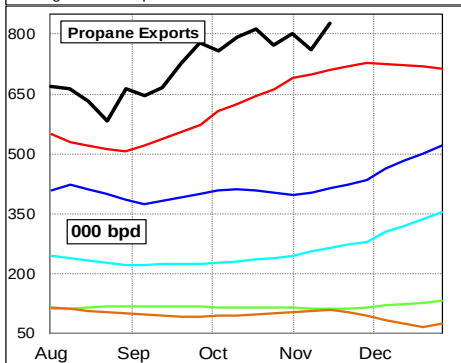
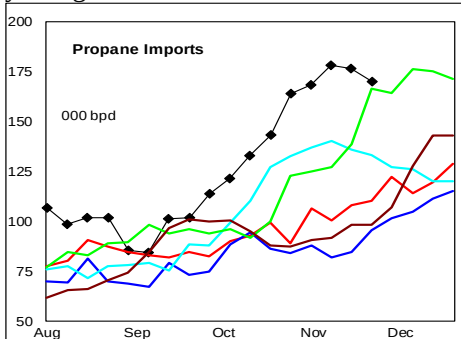
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Summary¹:

Wholesale demand climbed +340,000 bpd last week, with the latest 4-wk average +113,000 bpd above a year ago.

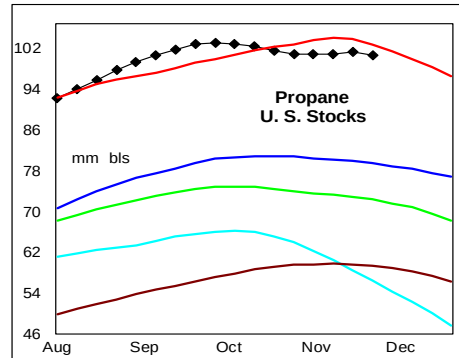


Production decreased -13,000 bpd on the week, concentrated on the West Coast. Production for the latest 4-wk average was +86,000 above a year ago. Imports increased +3,000 bpd on the week, with the 4-wk average +79,000 bpd above a year ago.



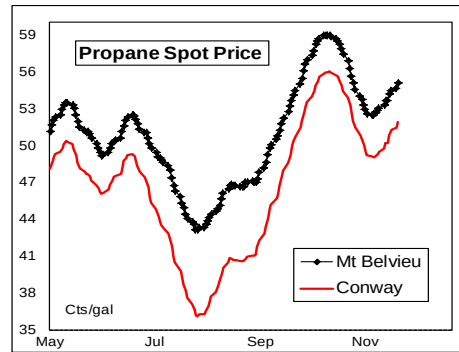
Exports for the week ending 18Nov16 were 828,000 bpd, a record for this time of year.

Stocks decreased -1.9 million barrels on the week, driven by the sharp increase in wholesale demand.



The latest 4-wk stock draw of -0.5 million barrels, matched the historic high for the period.

Price and Spreads Mt Belvieu and Conway spot prices +1/2 cpg and +2 cpg; respectively, for the week ending 29Nov16.



The Conway – Mt Belvieu price spread trended higher last week, ending at a level above 3-yr lows.

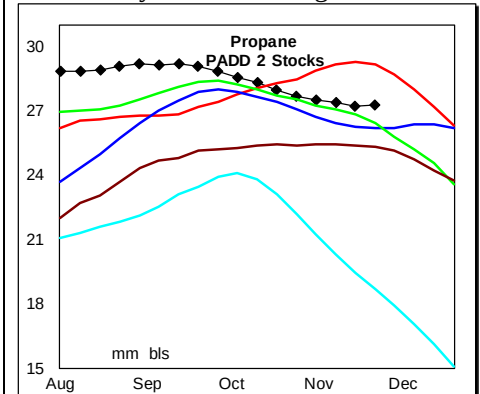
The propane to natural gas price spread trended lower last week, ending at a level that matched 5-yr lows for 5th period on strength in Natural gas.

The propane / crude oil price spread trended higher on the week, ending at a level near highs for the last 3-yrs.

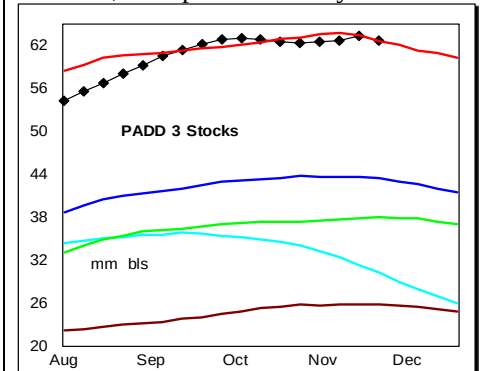
PADD 1 stocks increased +0.1 million barrels last week. Stock levels ended the week slightly above a year ago. Supply decreased -9,000 bpd on the week, driven by lower production and imports.

PADD 2 supply increased +33,000 bpd on the week, on higher imports and production. Production for the latest 4-wk period was +50,000 bpd above a year ago while imports increased +41,000 bpd. Midwest supply continues on a trend of +100,000 bpd above a year ago which was higher than 2-yrs ago. Stocks increased +0.1 million barrels on the

week. Stock levels ended the week -8% below last year's record high.



PADD 3 stocks fell -1.8 million barrels on the week, driven by sharply higher wholesale demand and robust export growth. Stock levels ended the week nearly unchanged from last year's record high. Supply for the latest 4-wk period was +30,000 bpd above last year.



PADDs 4 & 5 stocks fell -0.3 million barrels last week. Supply was -38,000 bpd lower on reduced production. Stock levels ended the week -9% below last year's record high.

Emerging Trends Wholesale demand was sharply higher last week, but still remains below the 5-yr range. Production and imports are +165,000 bpd above a year ago for the latest 4-wk period, a record high. Stocks are slightly below last year's record highs.

However a forecast of below normal temperatures in the upper Midwest should lift wholesale demand and provide support to prices through mid month.

¹ Source is latest EIA Weekly Statistics

PROPANE: Graph Link and Weekly Summary

November 30, 2016

Fundamental Trends for the Week Ending:

Friday, November 25, 2016

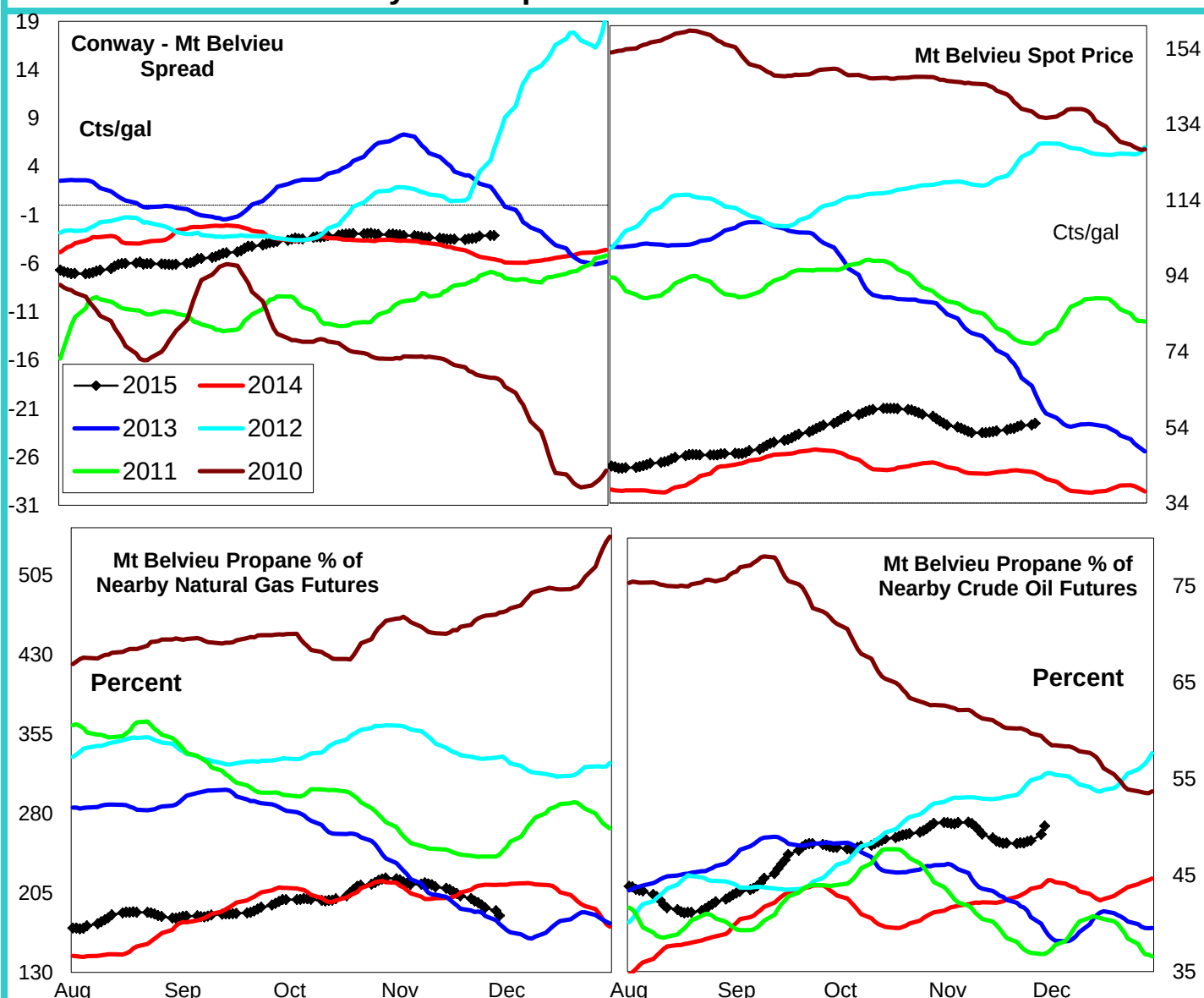
000 bpd Stocks 000 bls	Weekly Supply-Demand					Change from prior week:				
	U.S. Total	PADD				U.S. Total	PADD			
		1	2	3	4&5		1	2	3	4&5
Stocks	100,800	7,139	27,253	62,691	3,717	-1,868	135	98	-1,754	-347
Propylene Stocks	4,468					408				
Production	1,731	163	434	961	173	-13	-2	16	4	-31
Imports	170	47	81	0	42	3	-7	17	0	-7
Whsle Demand	1,160					340				

Price Trends for the Week Ending:

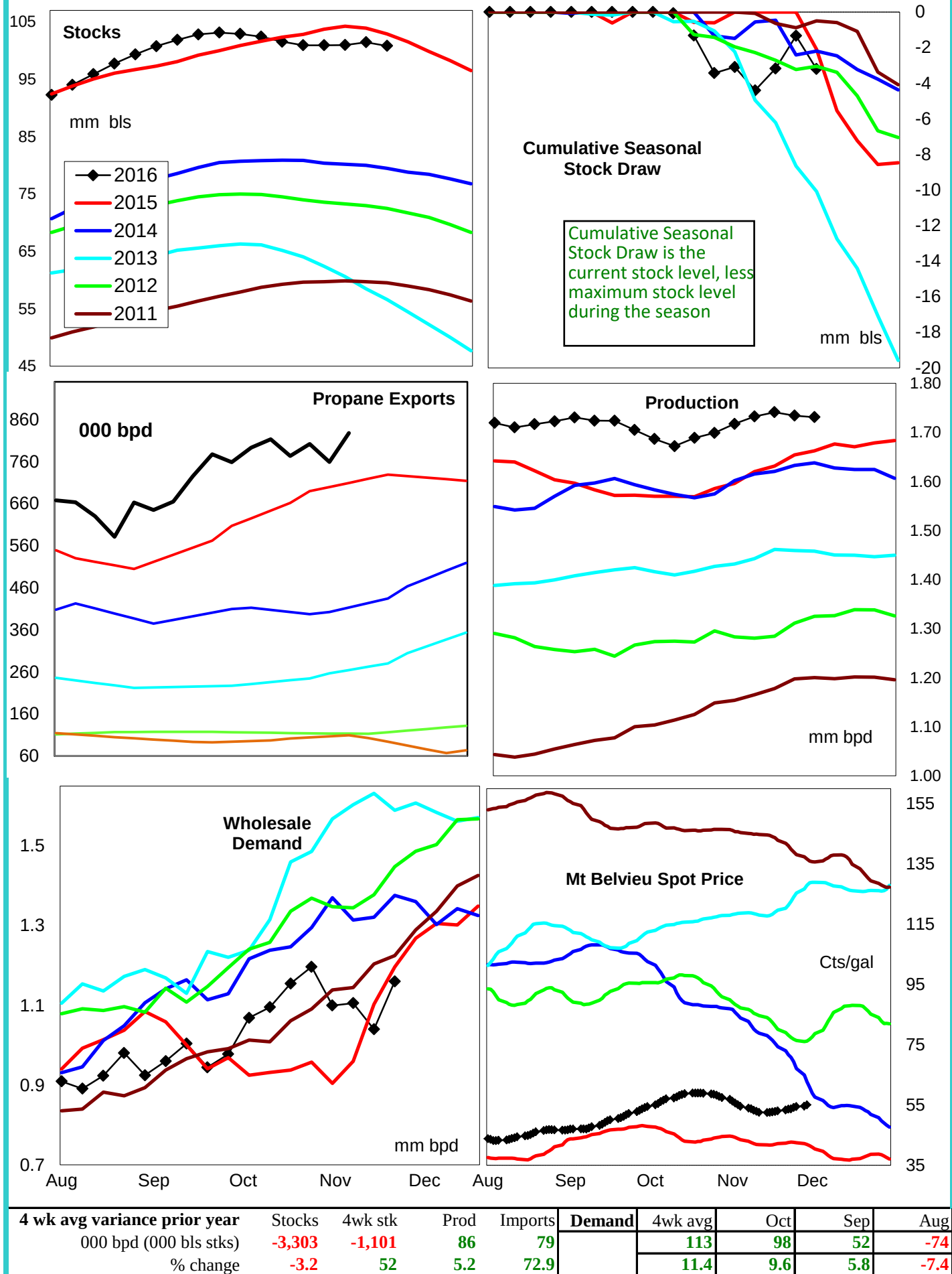
Tuesday, November 29, 2016

Cents/gal	Average for week ending:				Change from:			% change from:		
	11/29/16	11/22/16	11/1/16	12/3/15	11/22/16	11/1/16	12/3/15	11/22/16	11/1/16	12/3/15
Mont Belvieu Spot	54.5	52.9	57.2	42.9	1.63	-4.33	14.26	3.1	-7.6	33.2
Conway Spot	51.4	49.1	54.2	37.6	2.28	-5.13	16.61	4.6	-9.5	44.2

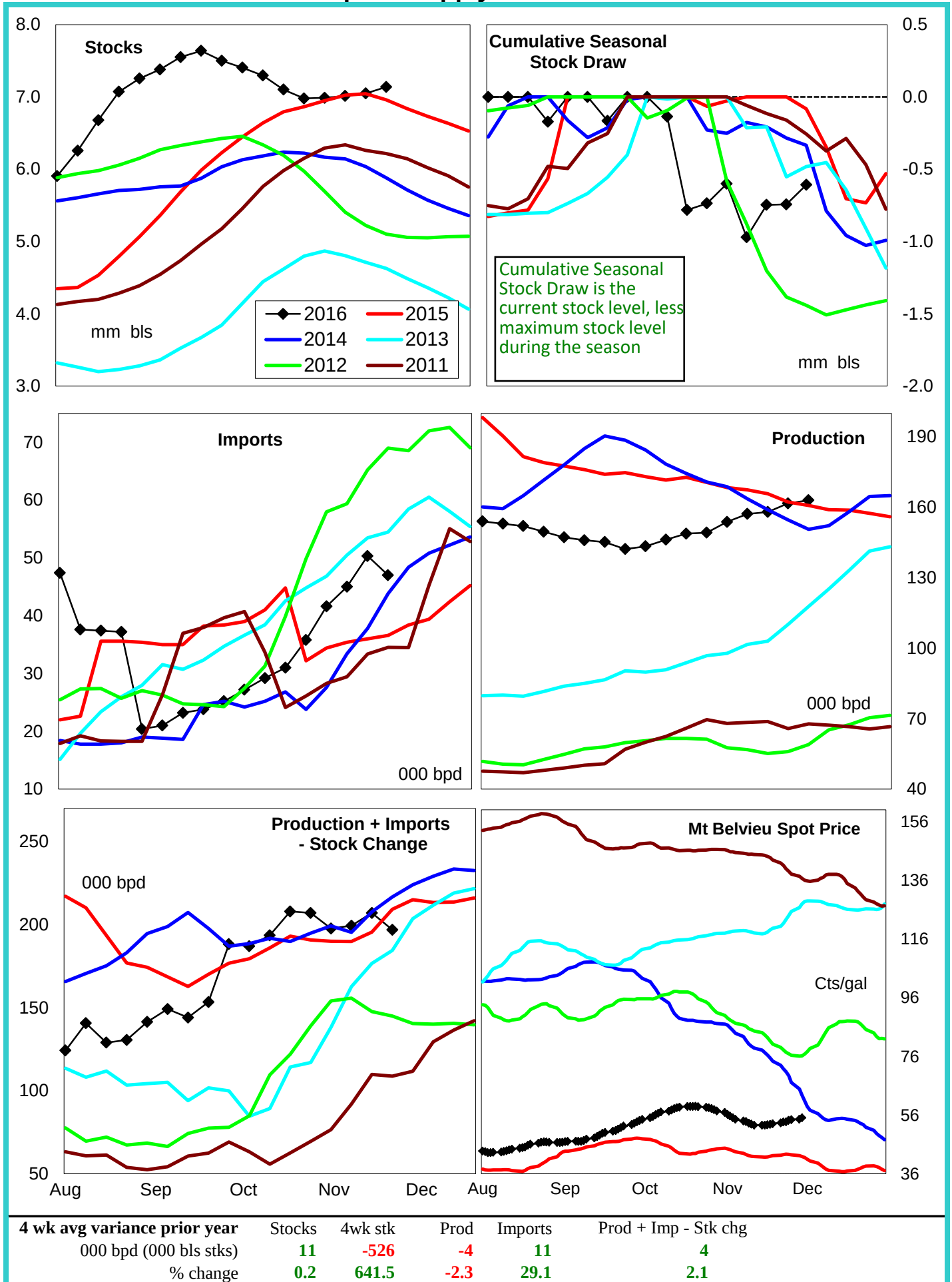
Key Price Spreads and Differentials



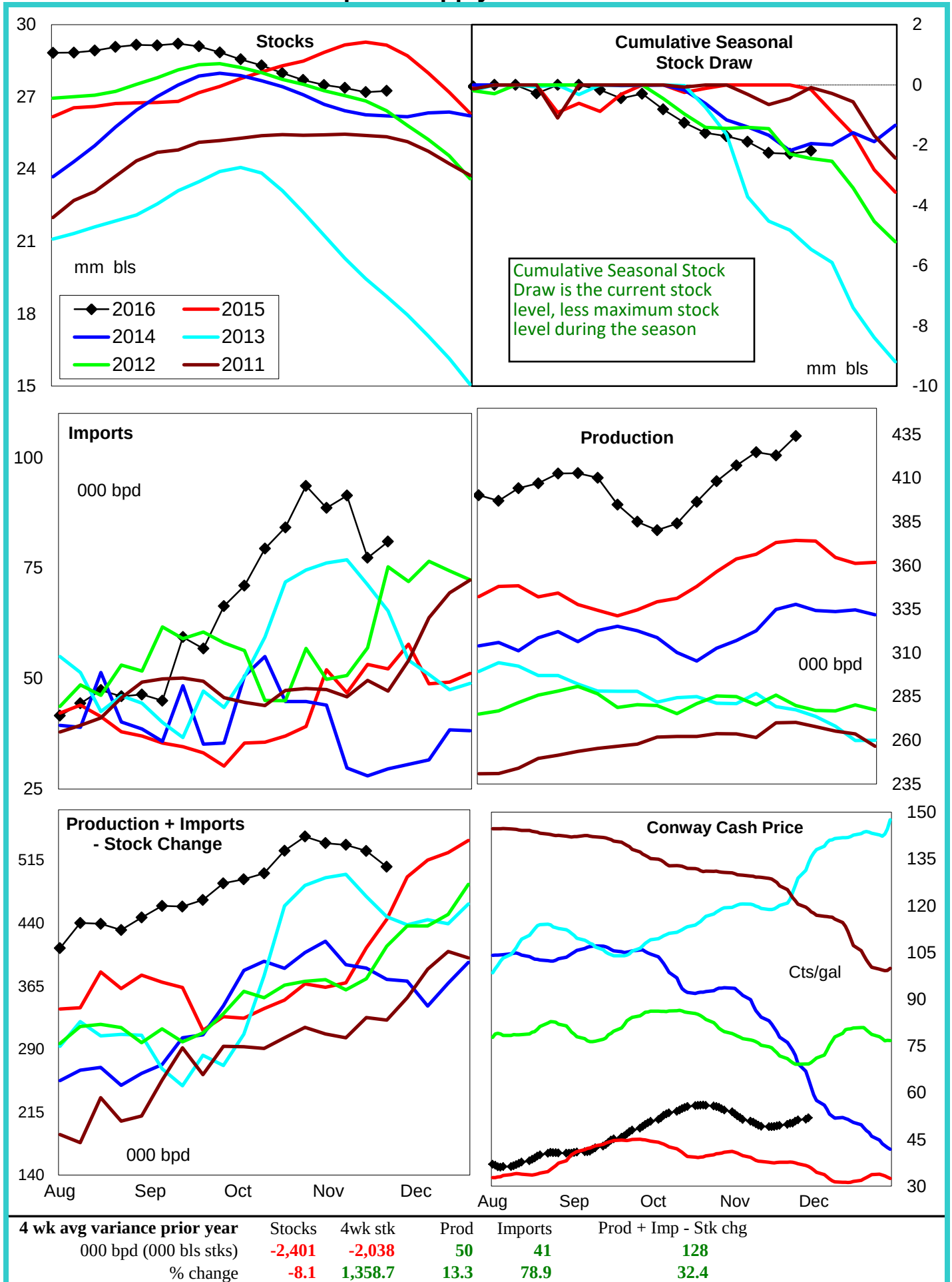
U. S. Propane Supply and Demand Balance



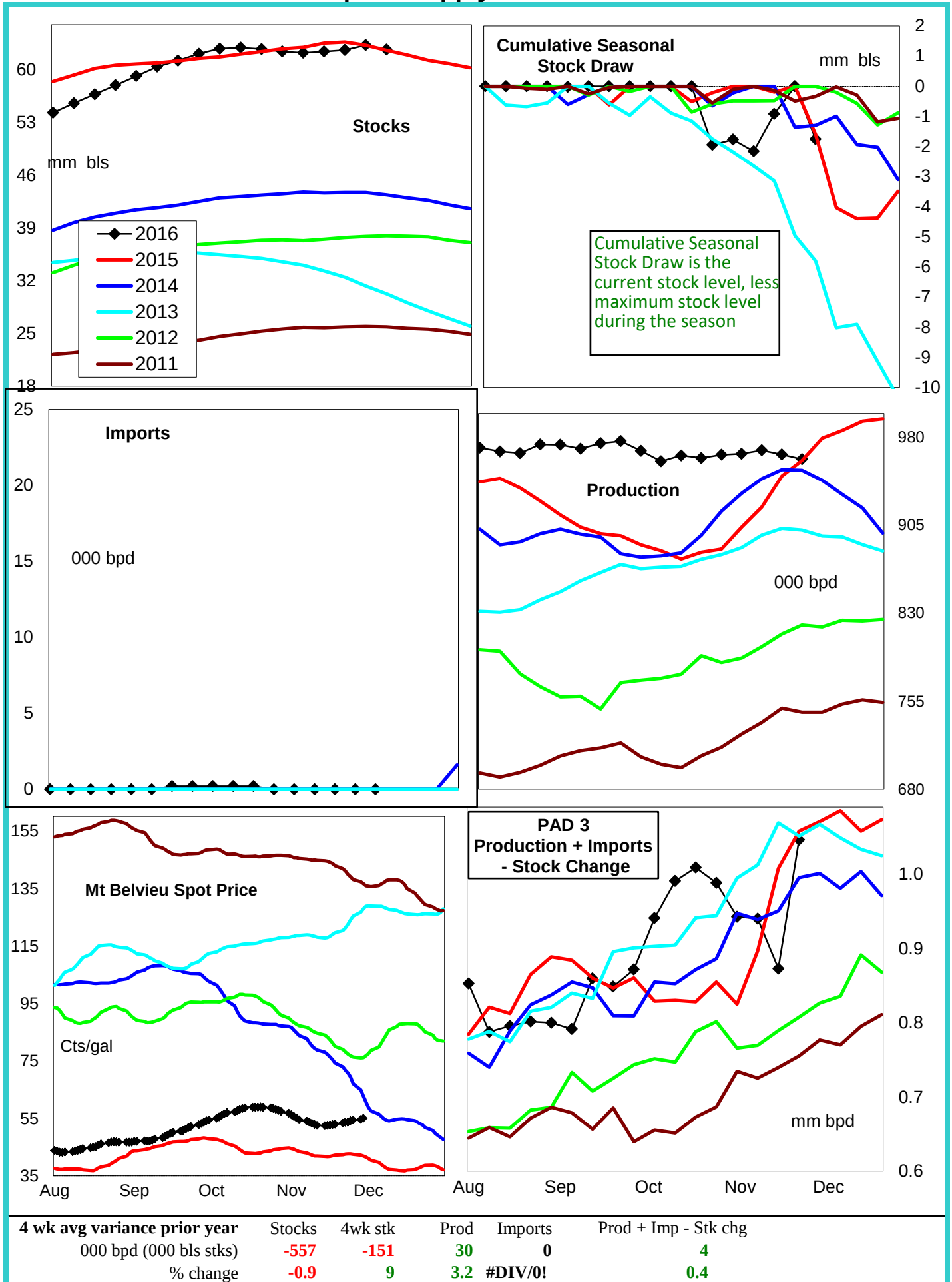
PADD 1 Propane Supply and Demand Balance



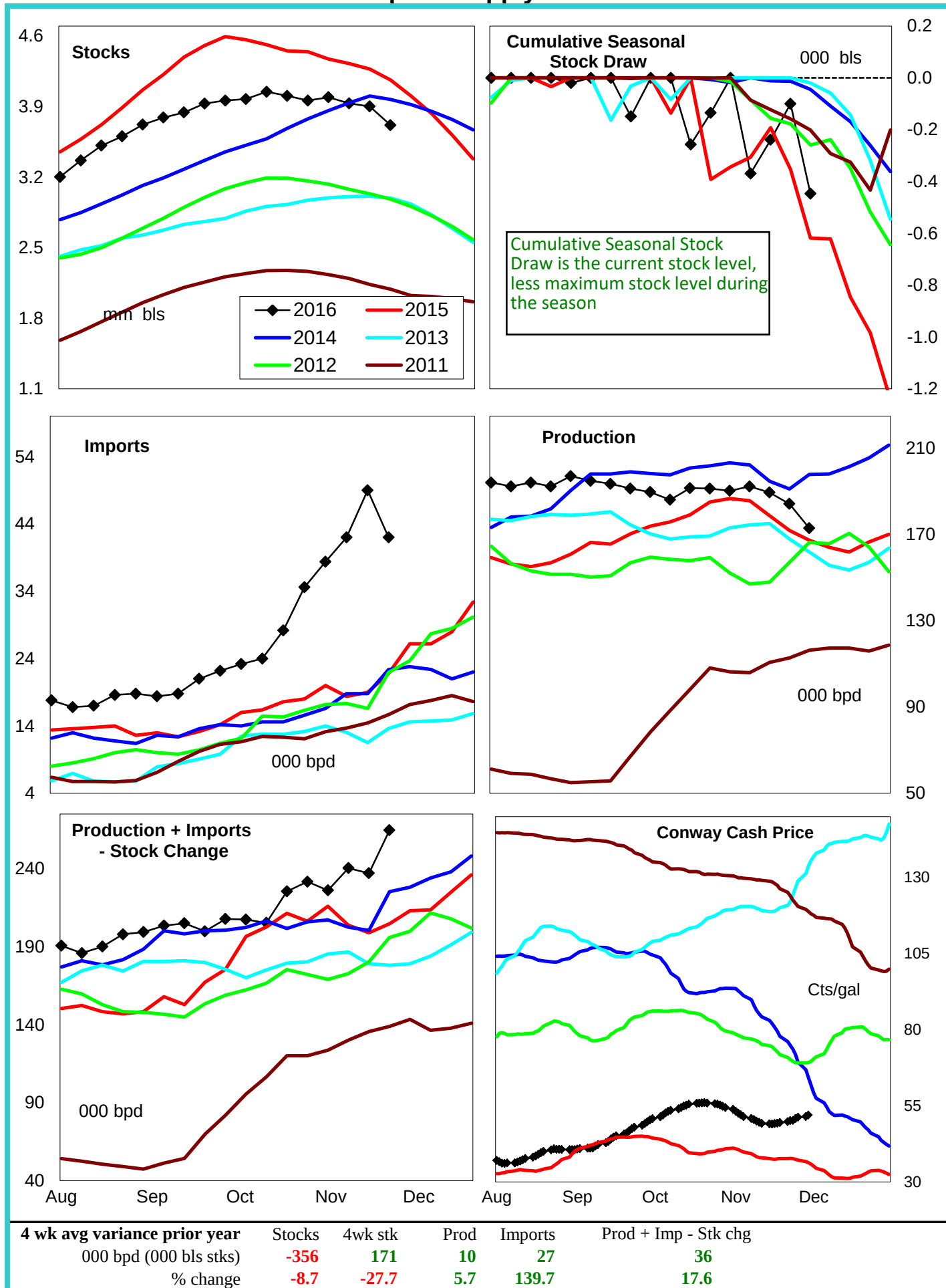
PADD 2 Propane Supply and Demand Balance



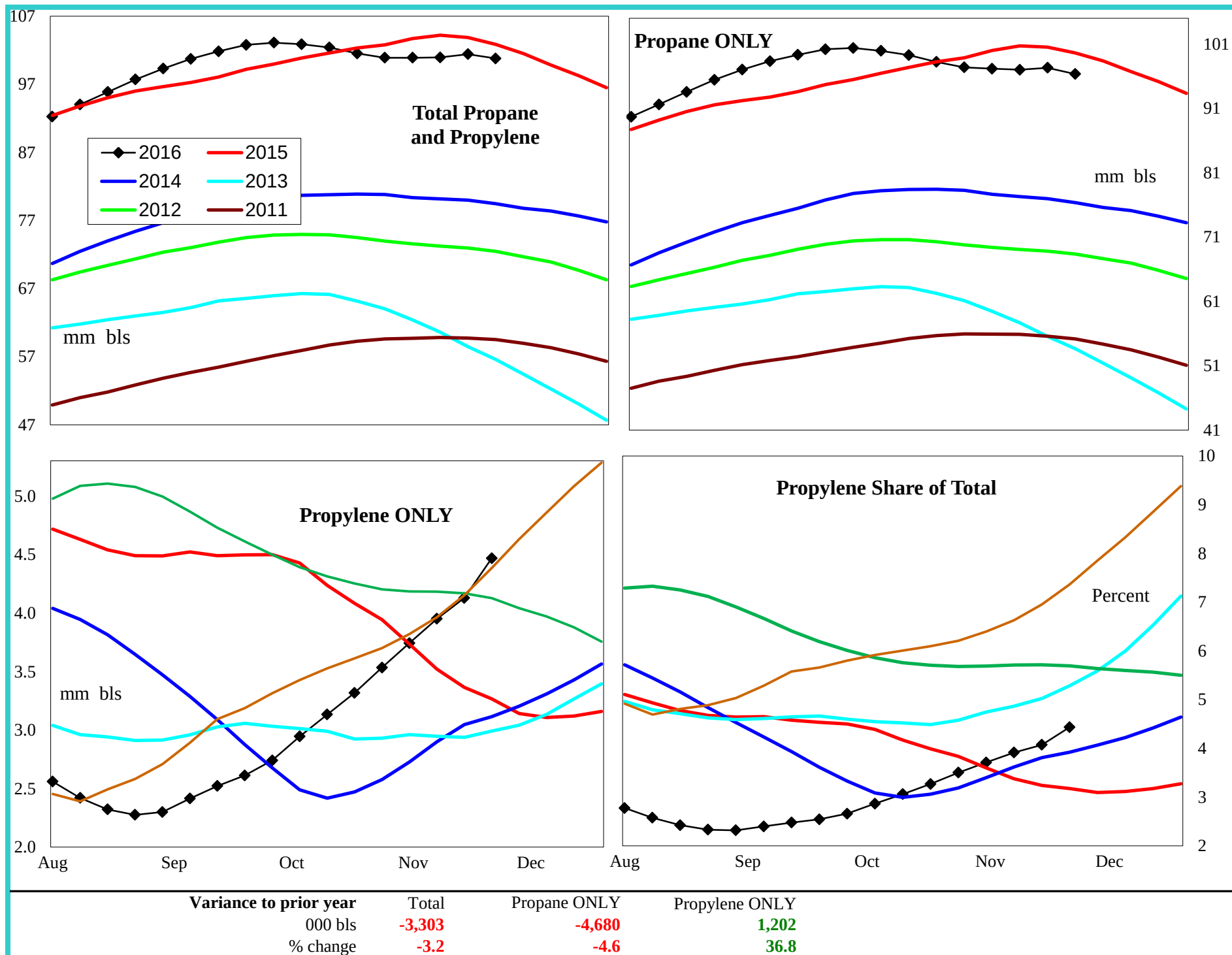
PADD 3 Propane Supply and Demand Balance



PADDs 4 and 5 Propane Supply and Demand Balance



U. S. Propane and Propylene Stocks



U. S. Petroleum Administrative for Defense Districts (PADDs)

