



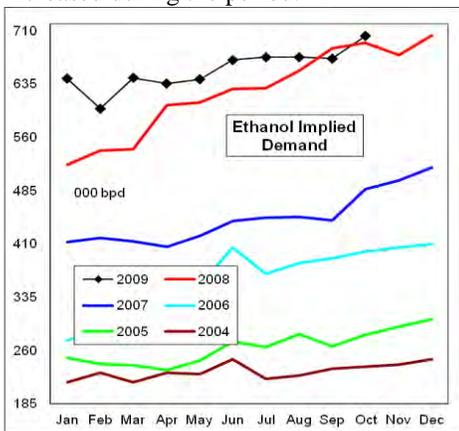
ETHANOL SUPPLY-DEMAND TRENDS

A Fundamental Petroleum Trends Monthly Report

Lehi German Tel: 816.505.0980 www.fundamentalpetroleumtrends.com Wednesday, January 06, 2010

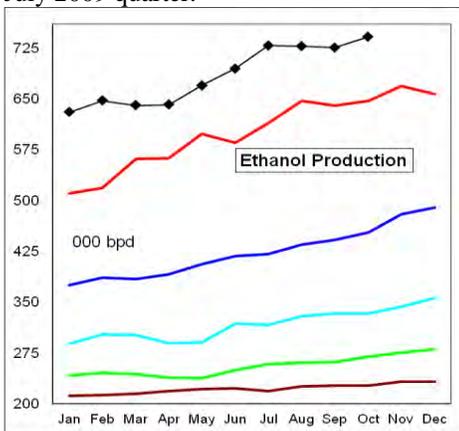


Summary: Ethanol demand was 682,000 bpd in the August - October 2009 quarter, up +21,000 bpd compared to the May - July 2009 period. Wholesale gasoline demand decreased -162,000 bpd in the same quarter over quarter period. The share of gasoline blended and blend rate increased during the period.



Year-over-year demand for ethanol between August - October 2008 and August - October 2009 increased +4,000 bpd. This represented a +0.6% increase.

Ethanol production was 731,000 bpd during the August - October 2009 quarter, up +34,000 bpd compared to the May - July 2009 quarter.

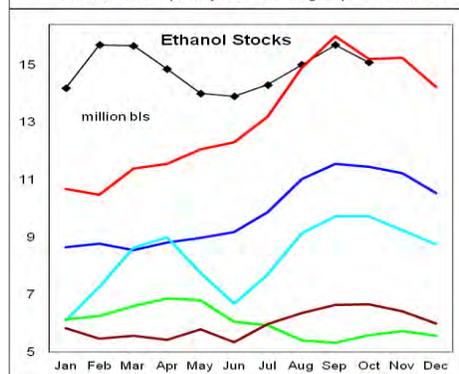
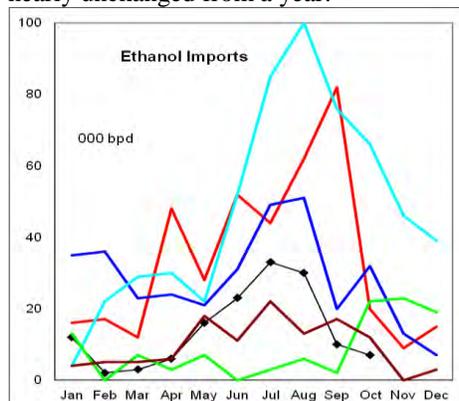


Year-over-year production climbed in the August - October, 2009 quarter by +86,000 bpd. This was a +13% increase.

Imports averaged 16,000 bpd during the August - October 2009 quarter, down from 24,000 bpd during the May - July 2009 quarter. Imports remain well below the prior three years.

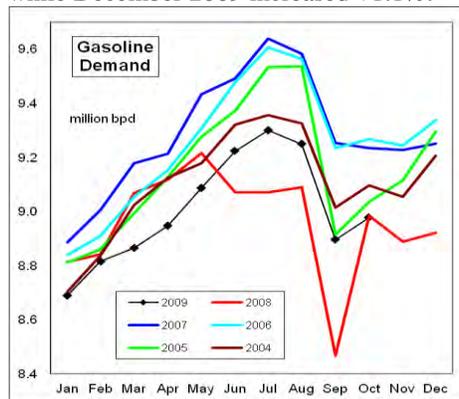
Ethanol stocks decreased -0.6 million barrels in October, a -20,000 bpd draw. Stocks decreased -1 million barrels in

PADD 1, while increasing in PADDs 2, 3 and 5 during October. Stock levels were nearly unchanged from a year ago.



Gasoline Demand Trends: Wholesale gasoline demand increased +194,000 bpd year-over-year in the August - October 2009 period compared to a year ago, a +2.2% increase.

Gasoline demand in November 2009 increased +0.9% compared to a year ago while December 2009 increased +1.1%.



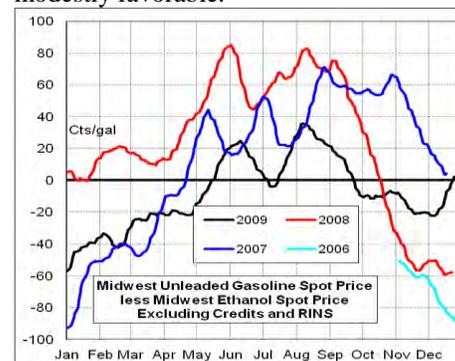
Blending Trends: During the August - October 2009 quarter, 4.1 million bpd of conventional gasoline was blended with ethanol, equal to 71% of conventional grade output. This was an increase of +1.1 million bpd over the same period in 2008. The volume of gasoline not blended with

ethanol was 1.5 million bpd in October, 2009, 17.1% of total production.

Ethanol Blend Economics: Midwest ethanol prices traded in a range between August to mid September, then trended sharply higher, rising +60 cts/gal by mid November. From mid November through end of December prices declined -35 cts/gal.

The Midwest spot gasoline - ethanol price spread fell from a season high of +35 cts/gal in early August to -20 cts/gal in early December. This decline followed the seasonal downtrend of the last 3-years. However, in the 2nd half of December the spread increased to +5 cts/gal in favor of gasoline at month end.

Including tax and RINS credits of approximately \$0.50/gal, blending economics are now at the high end of the historic range for *this time of year*. Even markets with higher transport cost are modestly favorable.



Emerging Trends:

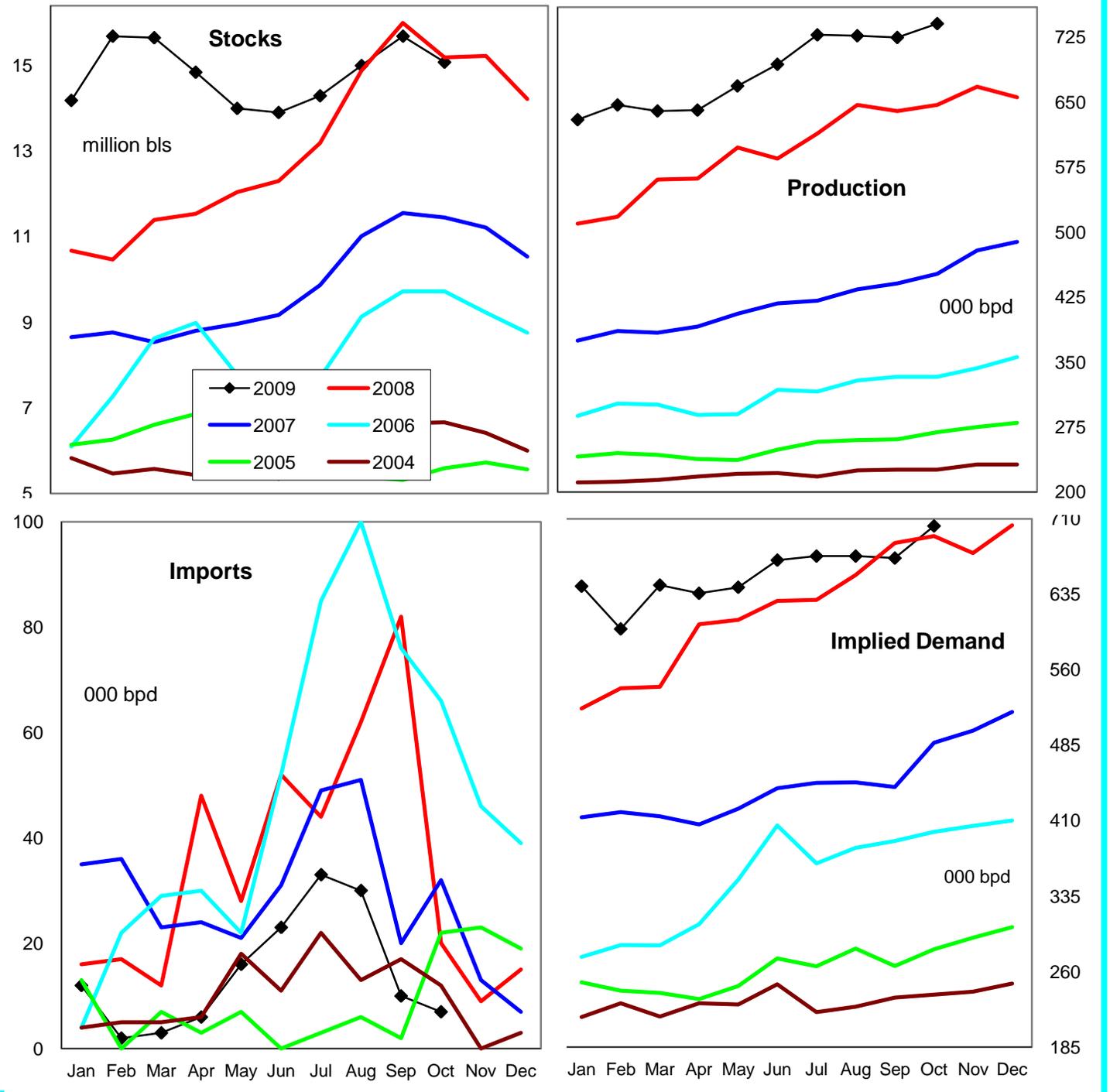
Ethanol production growth during the first 10-months of 2009 compared to 2008 averaged +96,000 bpd. The increase was offset early in the year by stock building, and sharply reduced imports during the peak driving season. Implied demand climbed +44,000 bpd year-over-year for the first 10 months of 2009. While reflecting positive growth, both domestic production and demand increased at much slower rates than the prior two years.

The portion of conventional gasoline not blended with ethanol fell to a low of 1.5 million bpd during October. Pipelines and refiners continue to add blending infrastructure in discretionary blend markets, which will cause the share of unblended gasoline to decline in 2010.

Continued expansion of discretionary blending and higher gasoline demand in 2010 should lead to very modest growth in ethanol demand.

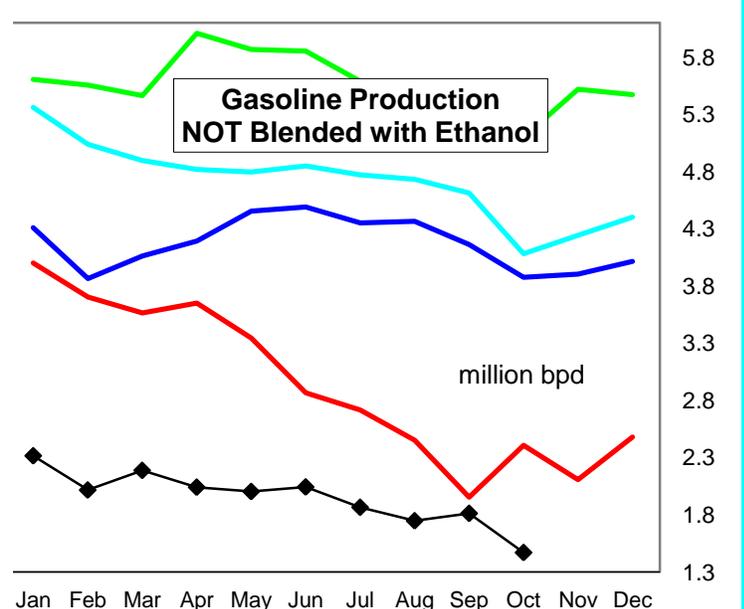
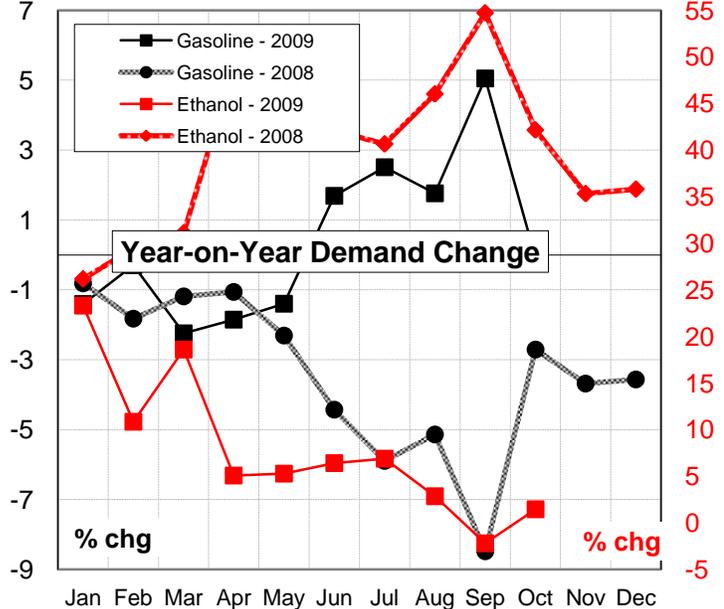
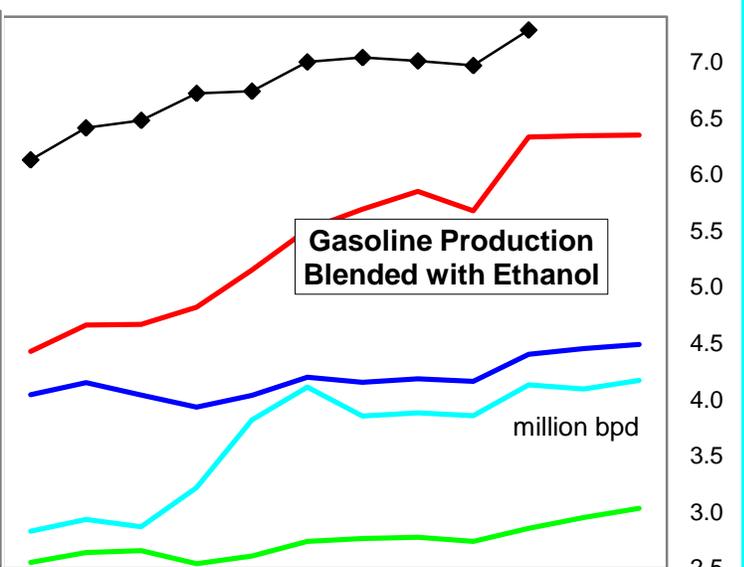
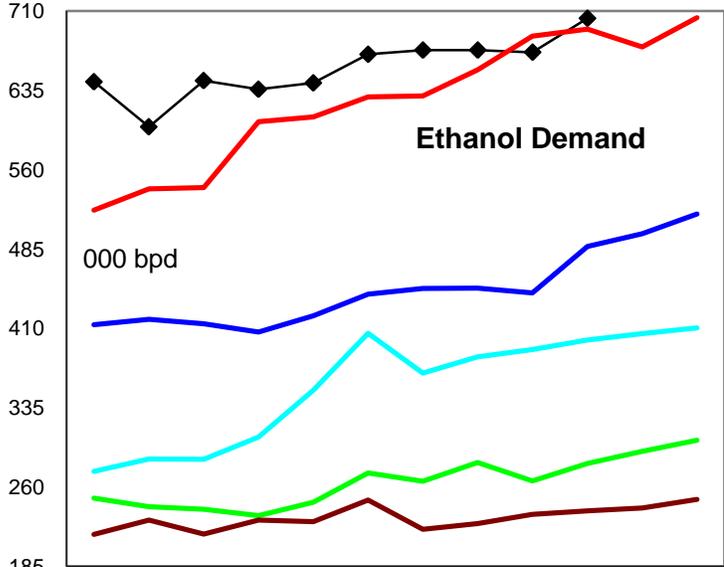
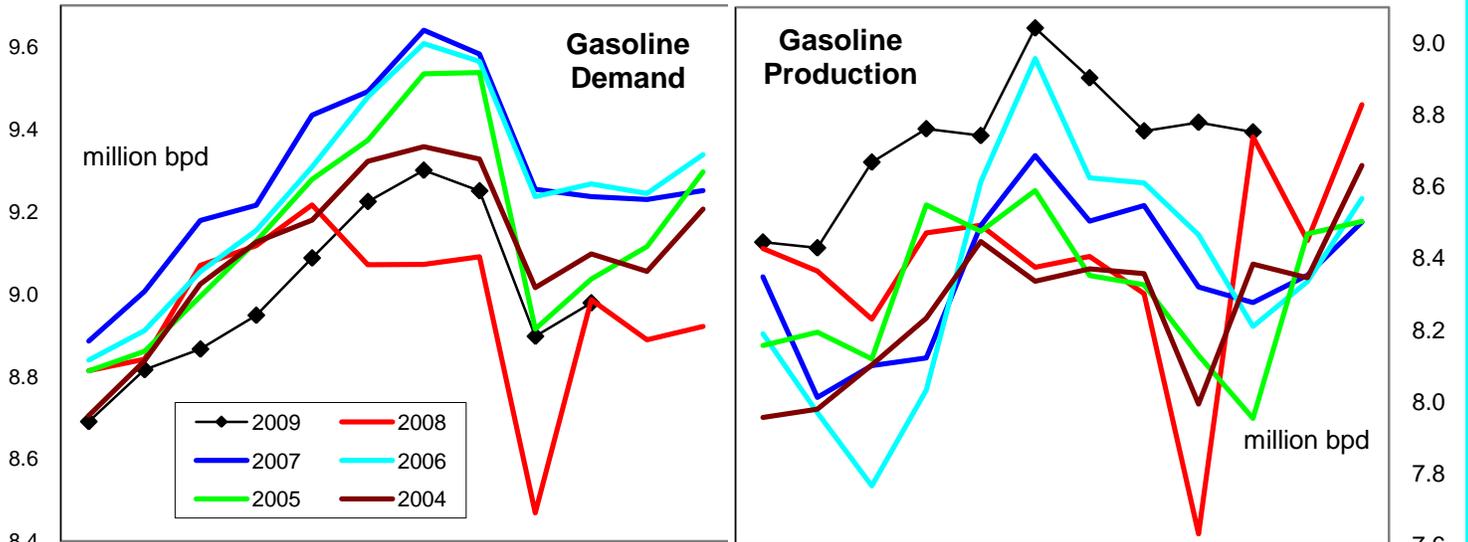
United States Ethanol Supply-Demand Balance

Item	Monthly Ethanol Supply-Demand Balance						Change From Prior Year		
	Oct09	Sep09	Aug09	Jul09	Jun09	May09	1-Month	3-Mth Avg	6-Mth Avg
Production	741	725	727	728	694	669	94	86	92
Imports	7	10	30	33	23	16	-13	-39	-28
EIA Adjustment	-64	-42	-62	-75	-52	-71	-64	-56	-61
Demand	703	671	673	673	669	642	10	5	22
Ending Stocks	15,080	15,688	15,001	14,294	13,903	13,999	-112	-100	727
Change in stocks	-608	687	707	391	-96	-846			
Wholesale Gasoline Demand	8,978	8,897	9,250	9,300	9,224	9,087	-8	193	139
Conv Ethanol Gasoline Blend	4,243	4,028	4,054	4,071	3,973	3,749	958	1,097	1,263
Ethanol % of Total Gasoline	8.50	8.16	7.85	7.80	7.82	7.60	0.14	-0.14	0.13



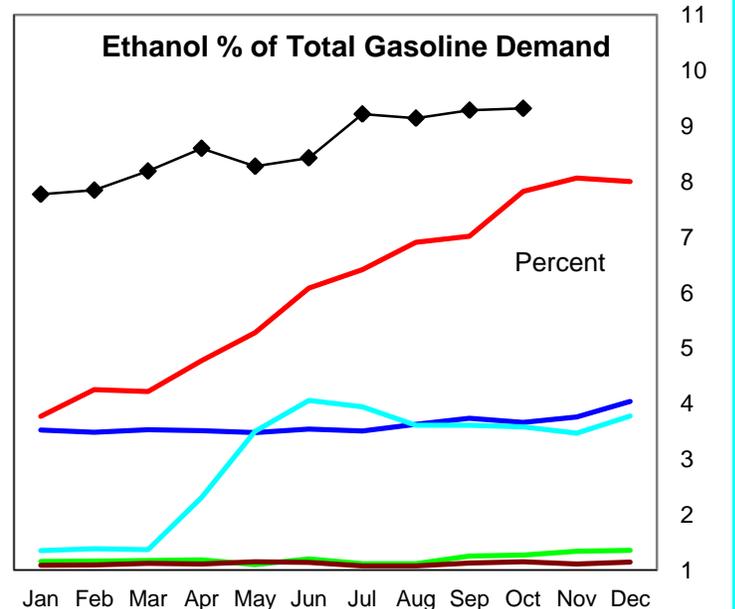
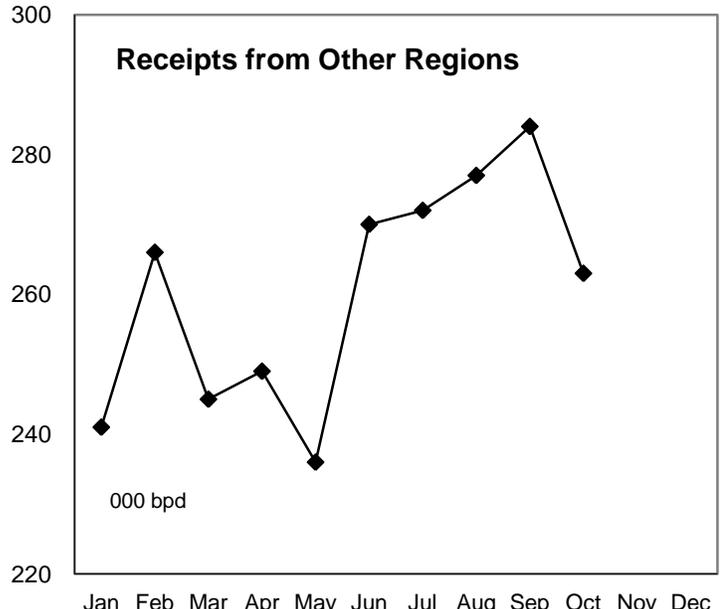
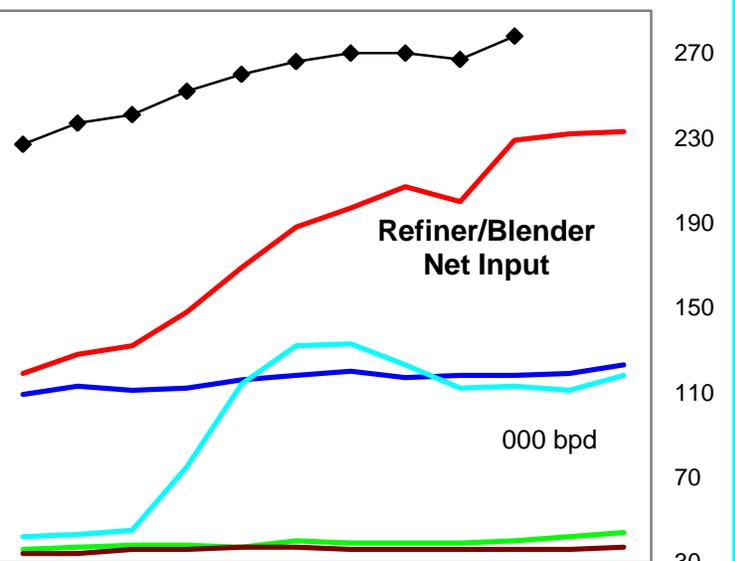
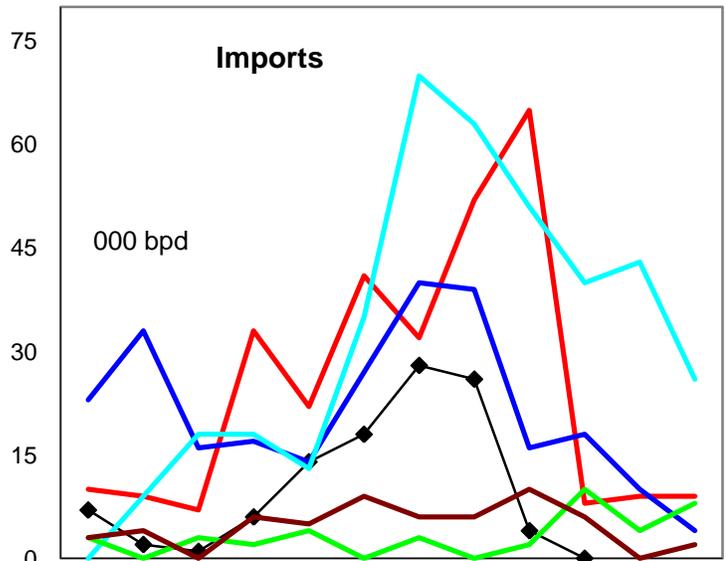
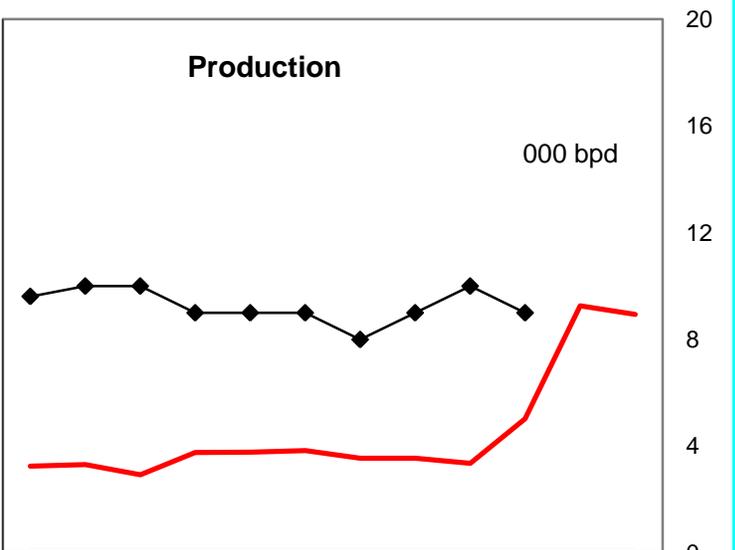
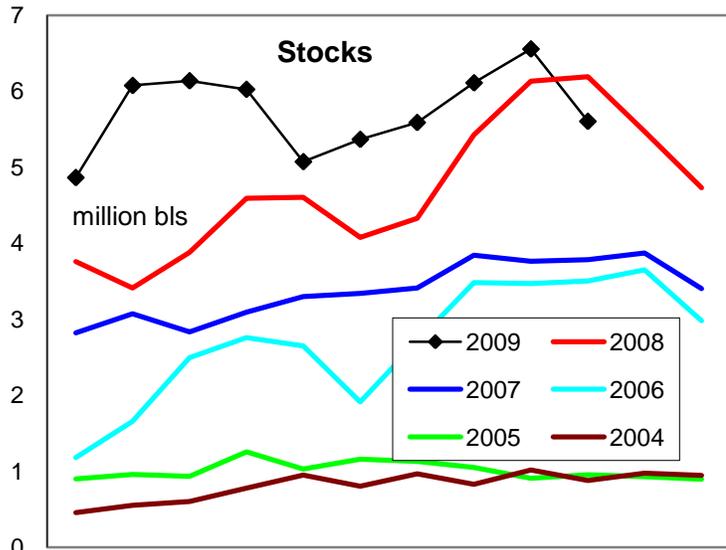
Variance to prior year	Stocks	Production	Imports	Demand
000 bpd (000 bbls stocks)	-112	94	-13	10
% change	-0.7	14.5	-65.0	1.5

U. S. Gasoline/Ethanol Demand and Blending



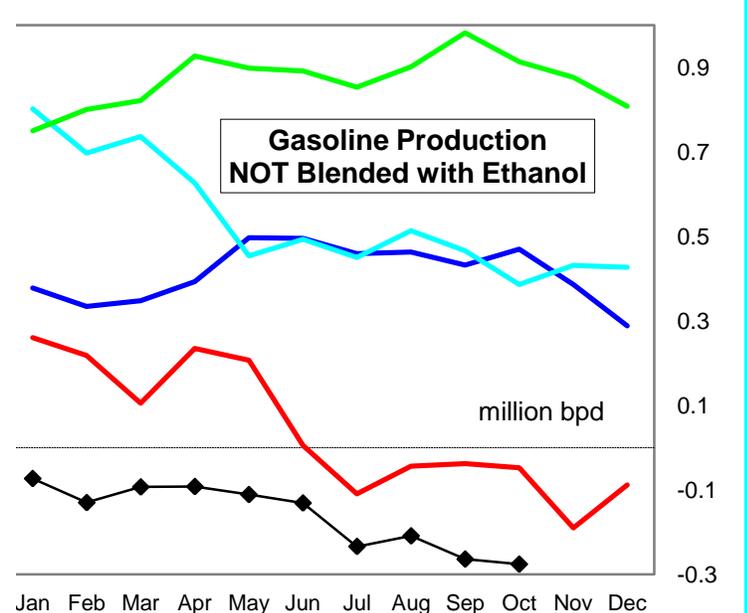
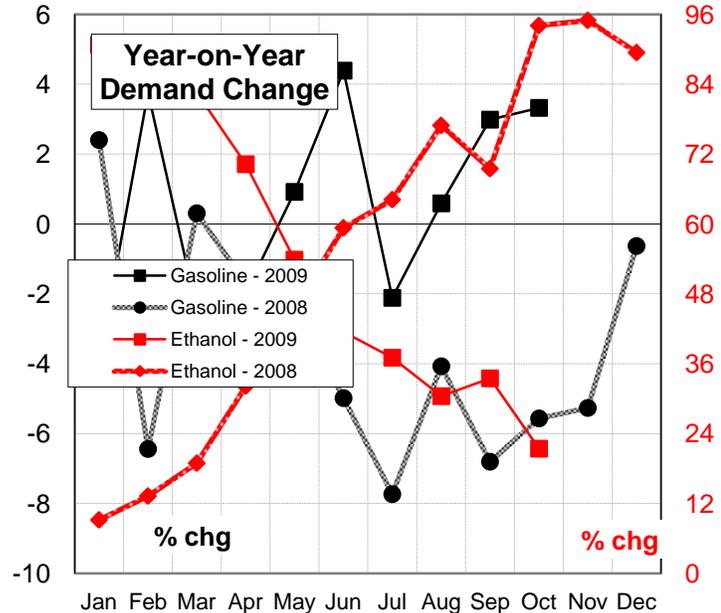
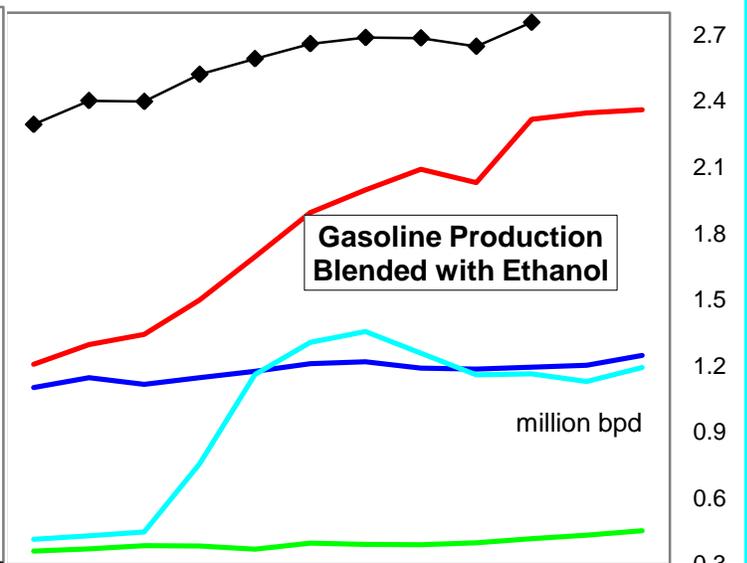
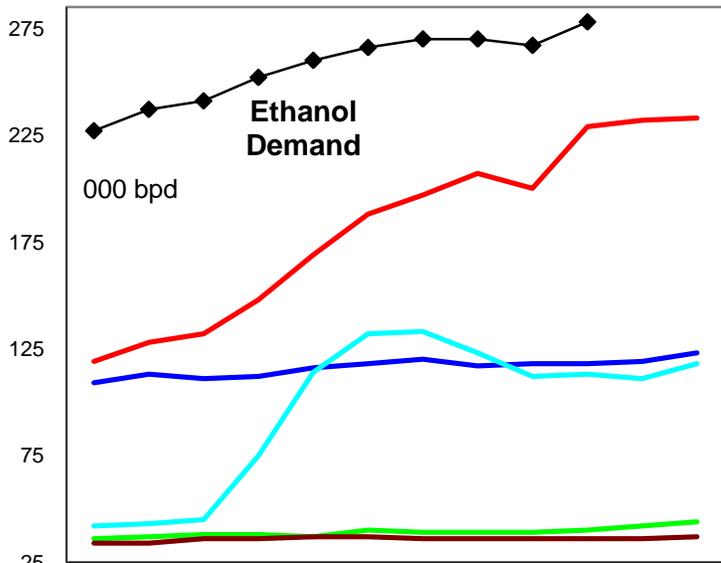
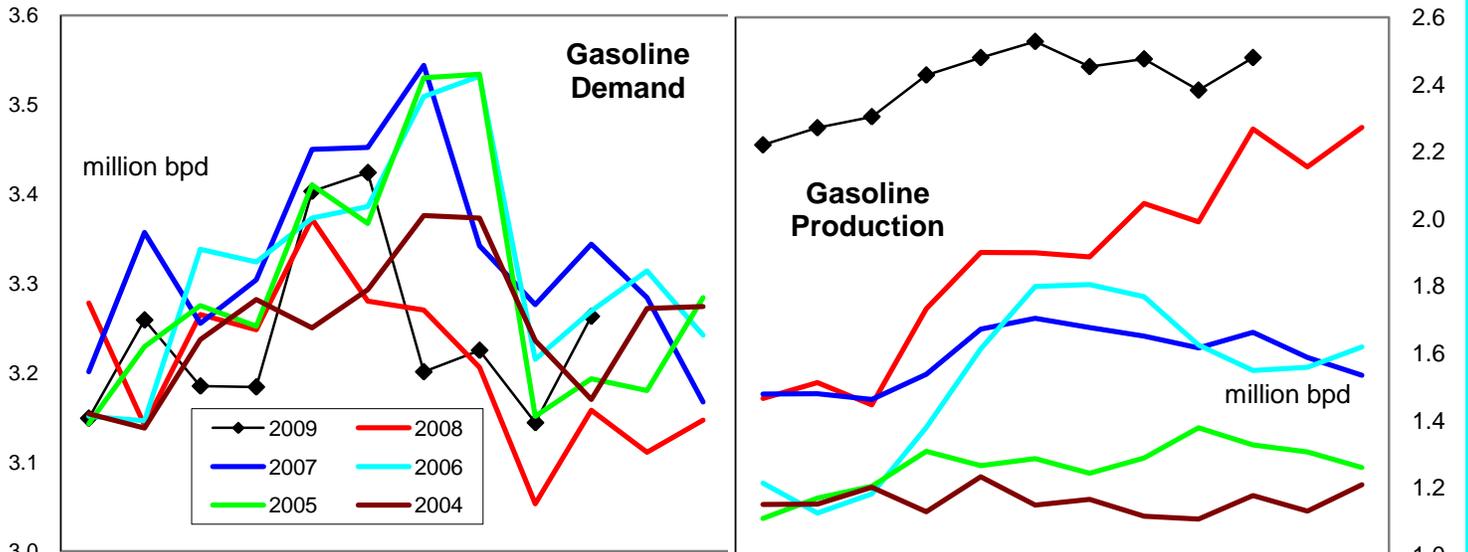
Variance to prior year	Gasoline Demand	Ethanol Demand	Prod with Ethanol	Prod Excl Ethanol
000 bpd	-8	10	950	-937
% change	-0.1	1.5	15.0	-38.9

PADD 1 Ethanol Supply-Demand Balance



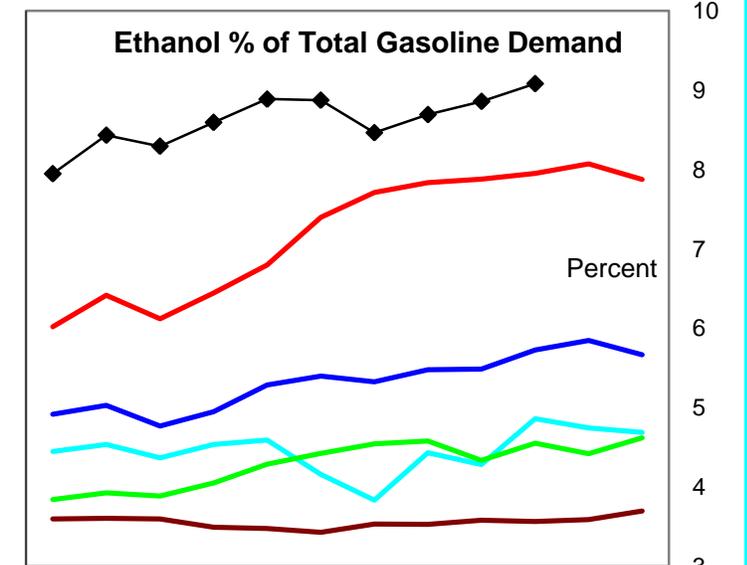
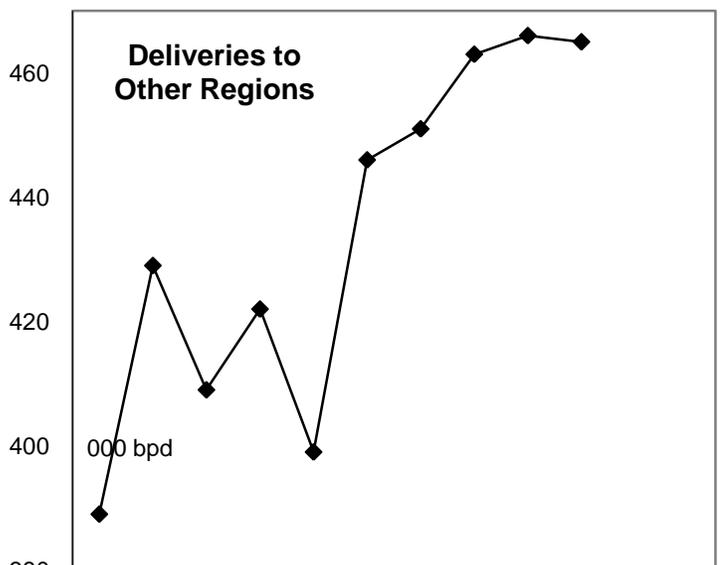
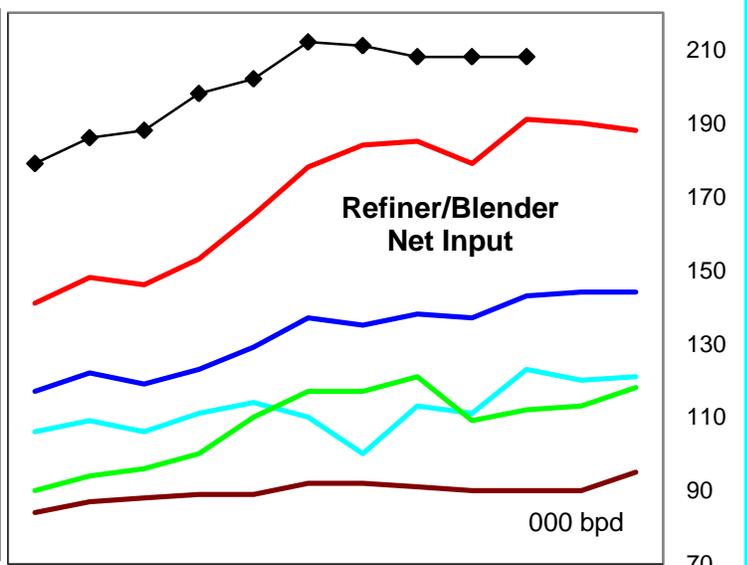
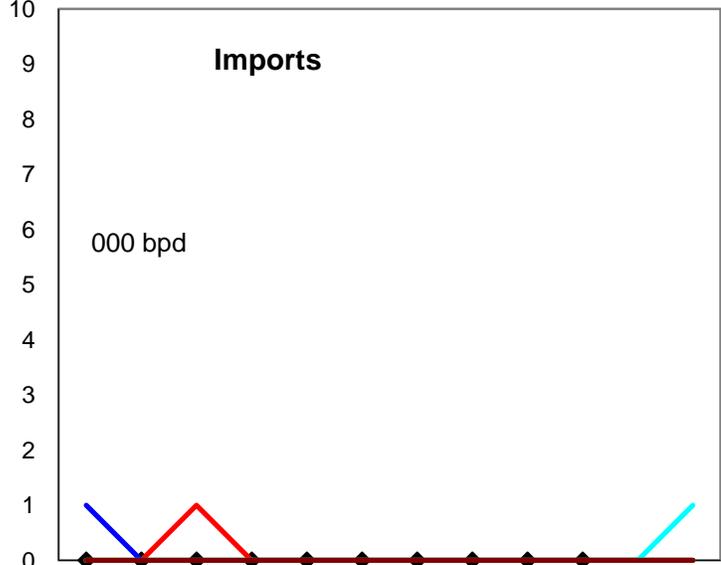
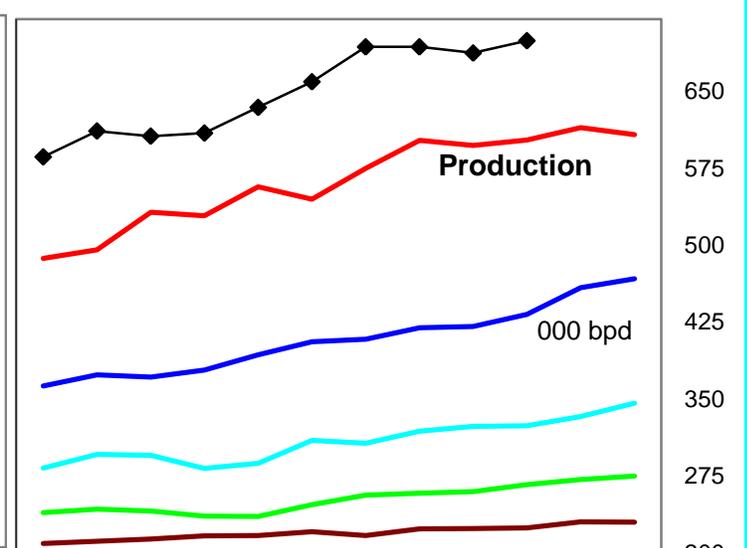
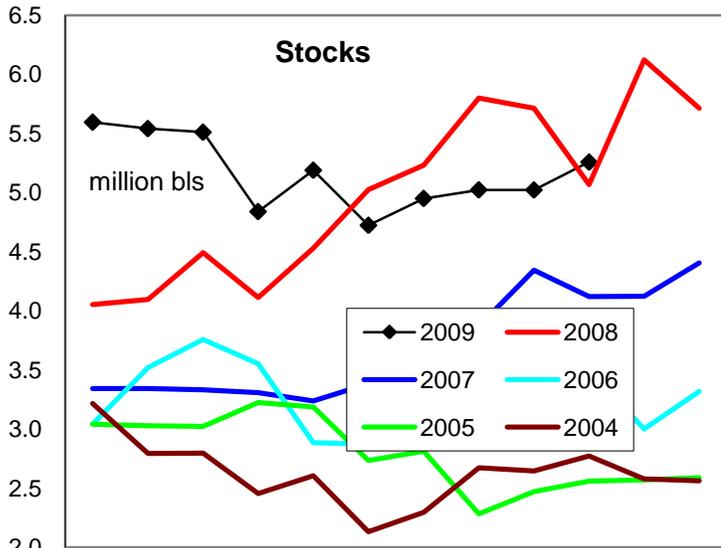
	Stocks	Production	Imports	Demand
Variance to prior year				
000 bpd (000 bbls stocks)	-586	4	-8	49
% change	-9.5	78.8	-100.0	21.4

PADD 01 Gasoline/Ethanol Demand and Blending



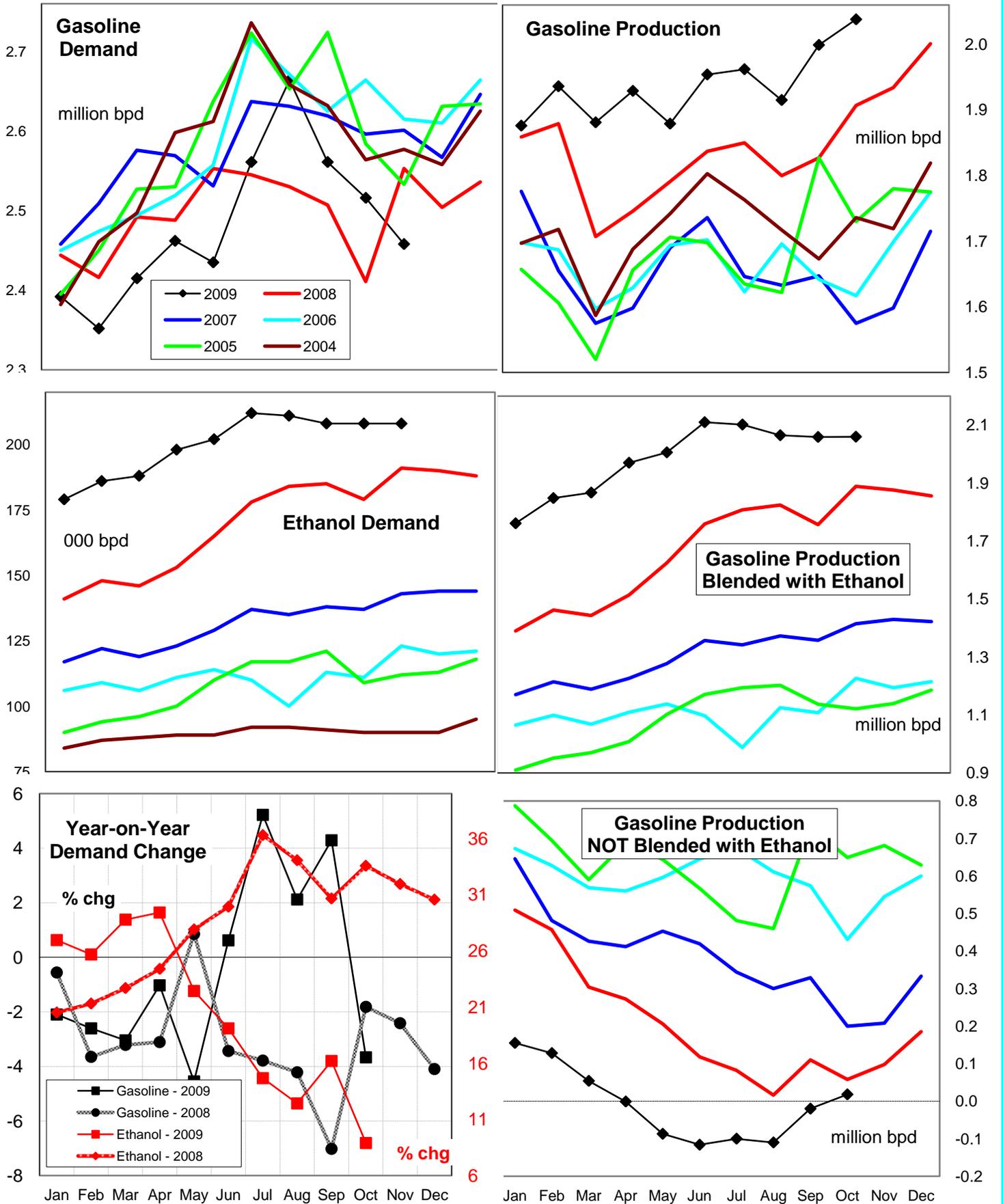
Variance to prior year	Gasoline Demand	Ethanol Demand	Prod with Ethanol	Prod Excl Ethanol
000 bpd	105	49	440	-228
% change	3.3	21.4	19.0	475.0

PADD 2 Ethanol Supply-Demand Balance



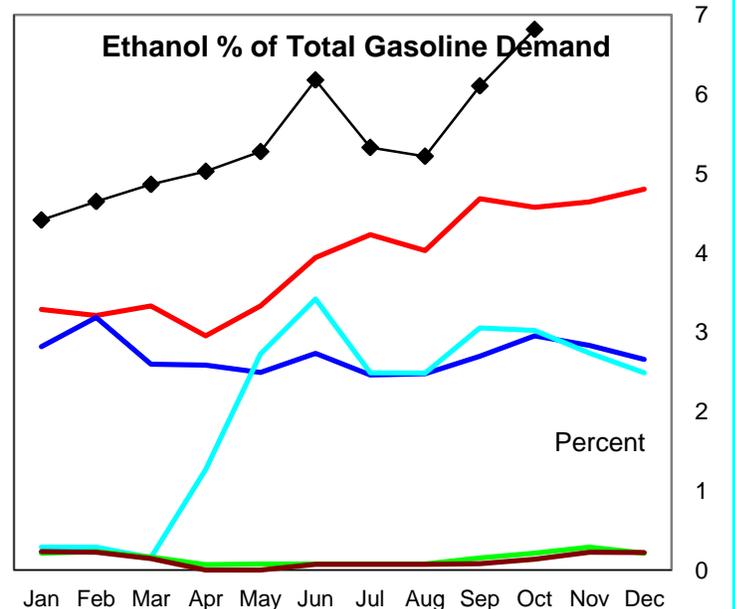
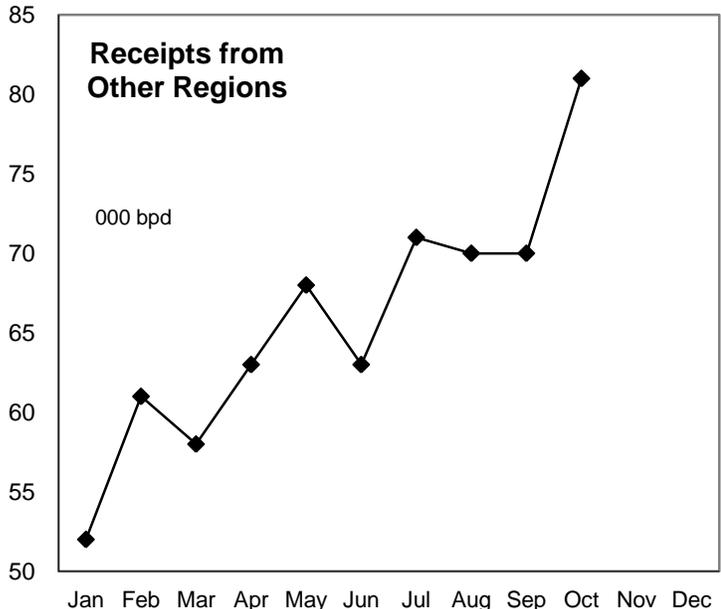
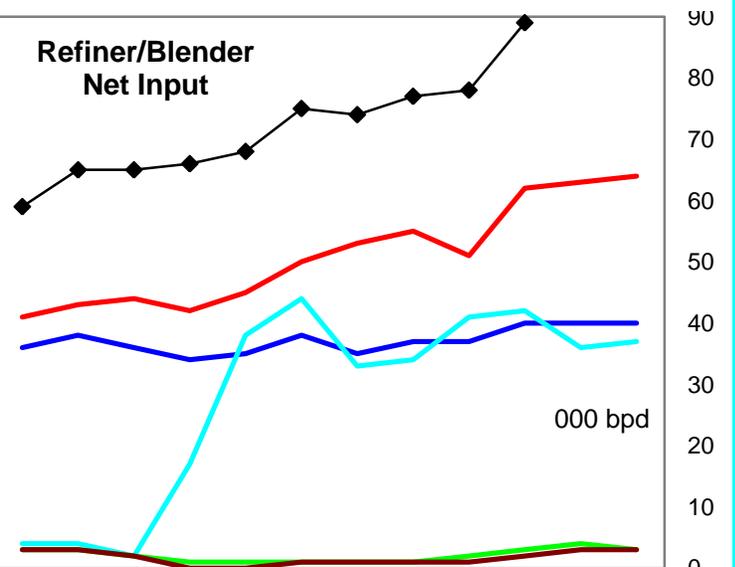
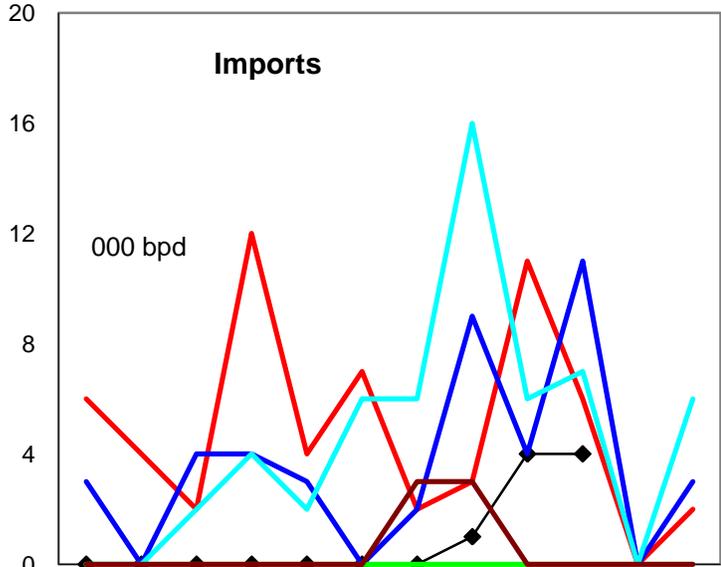
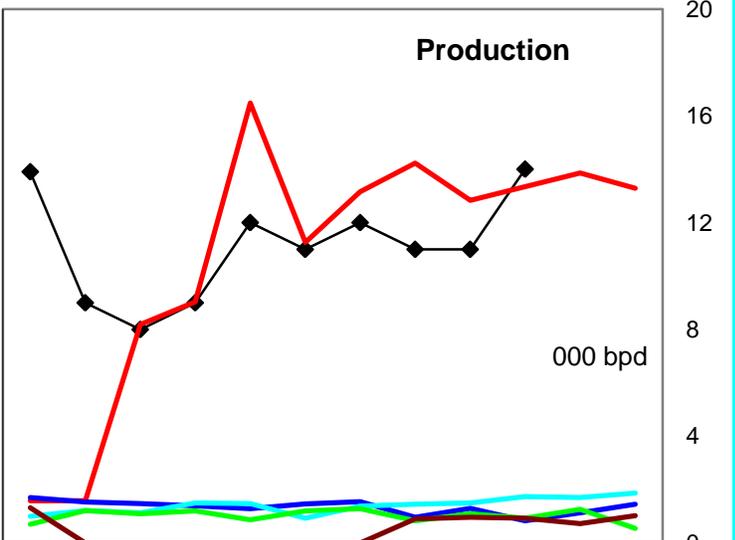
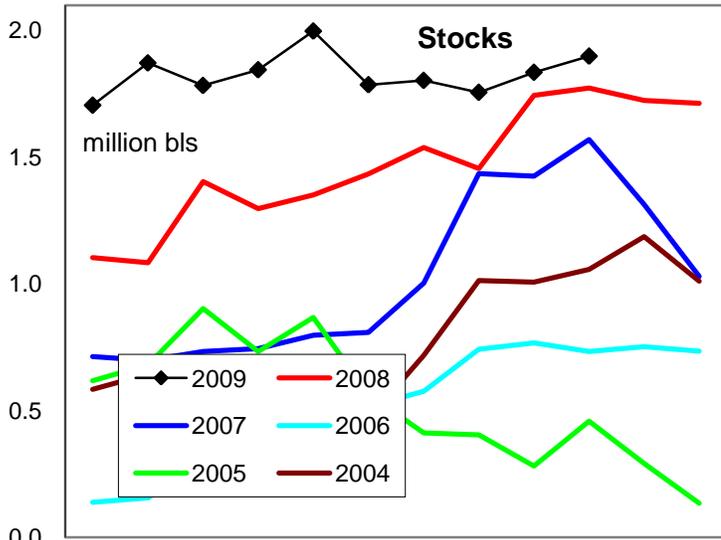
Variance to prior year	Stocks	Production	Imports	Demand
000 bpd (000 bbls stocks)	190	97	0	17
% change	3.7	16.1	#DIV/0!	8.9

PADD 02 Gasoline/Ethanol Demand and Blending



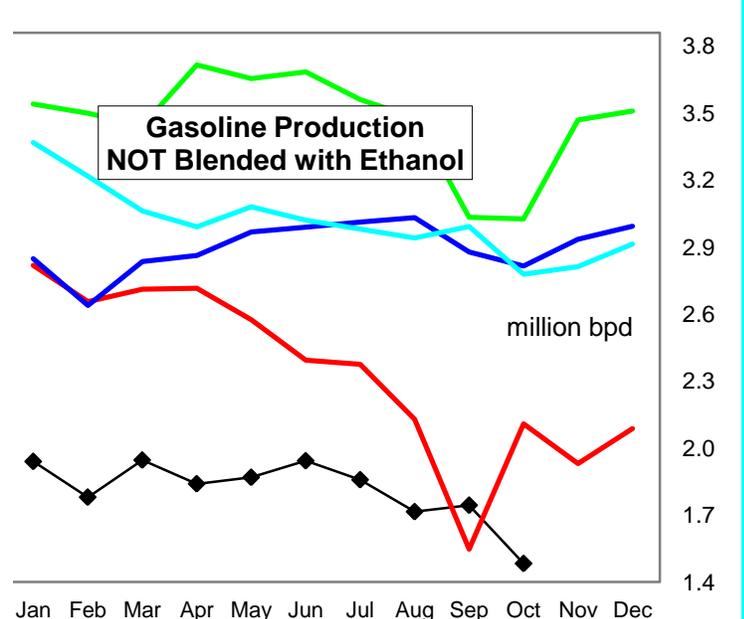
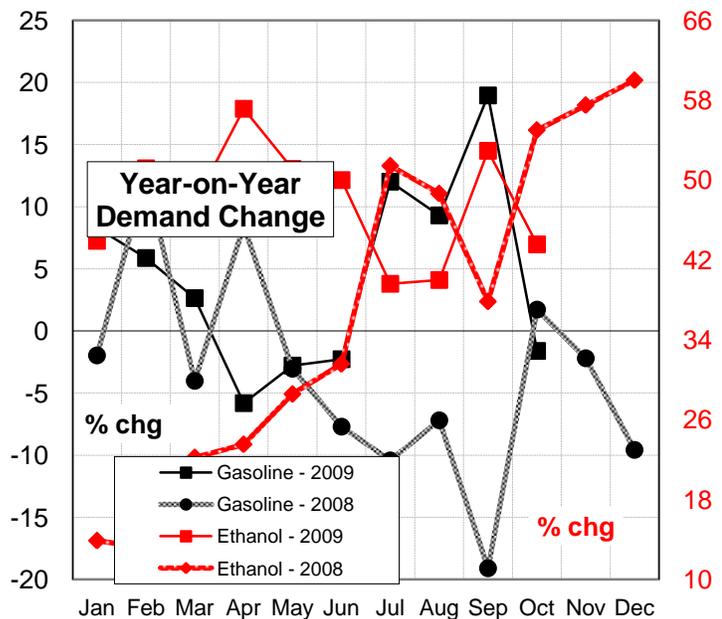
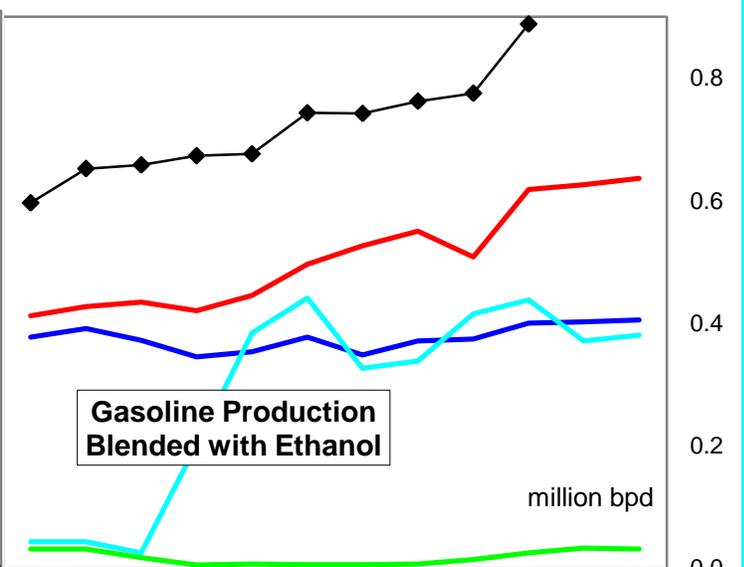
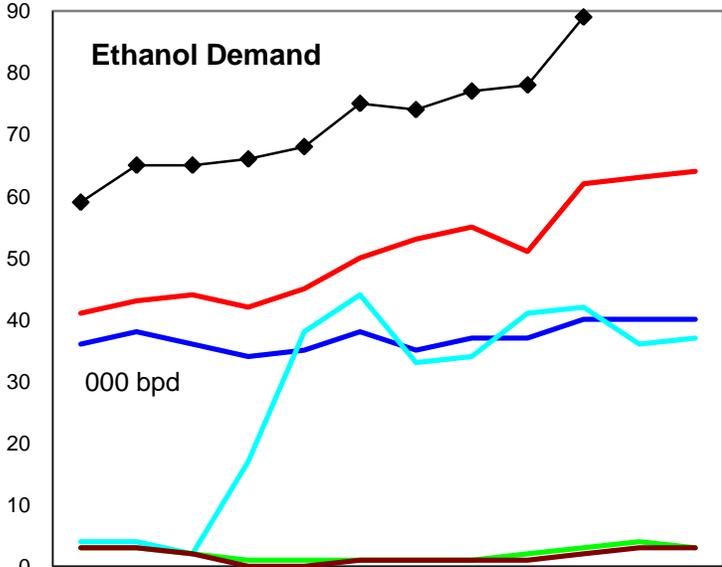
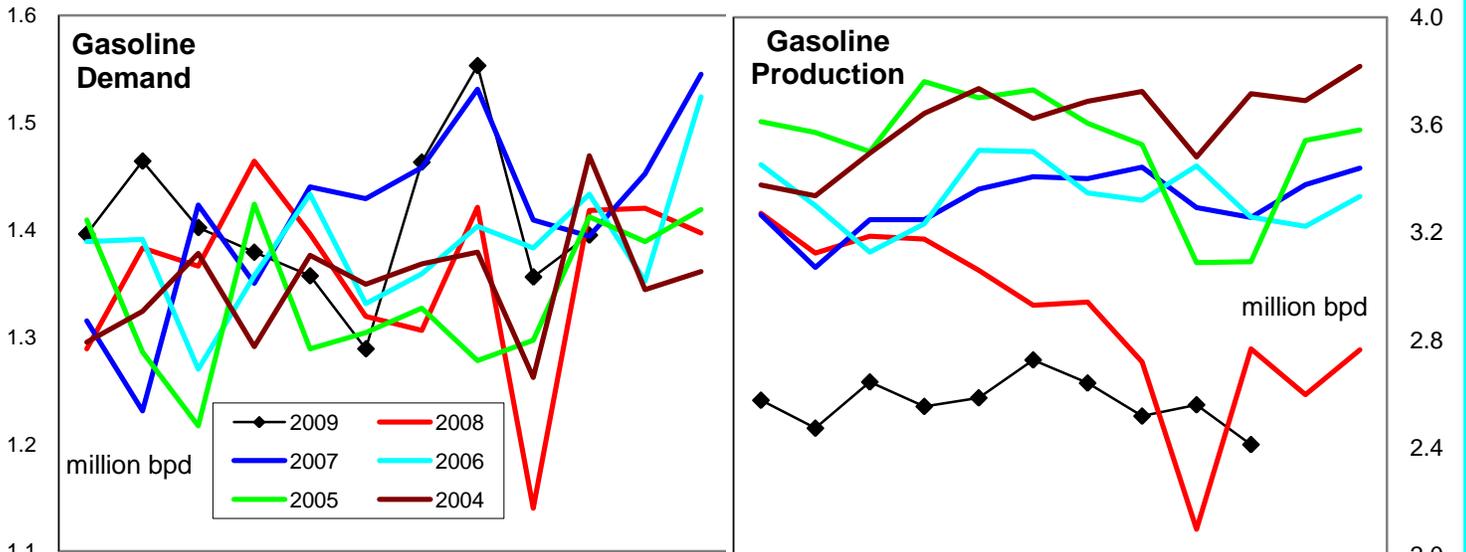
Variance to prior year	Gasoline Demand	Ethanol Demand	Prod with Ethanol	Prod Excl Ethanol
000 bpd	-95	17	171	-40
% change	-3.7	8.9	9.1	-69.0

PADD 3 Ethanol Supply-Demand Balance



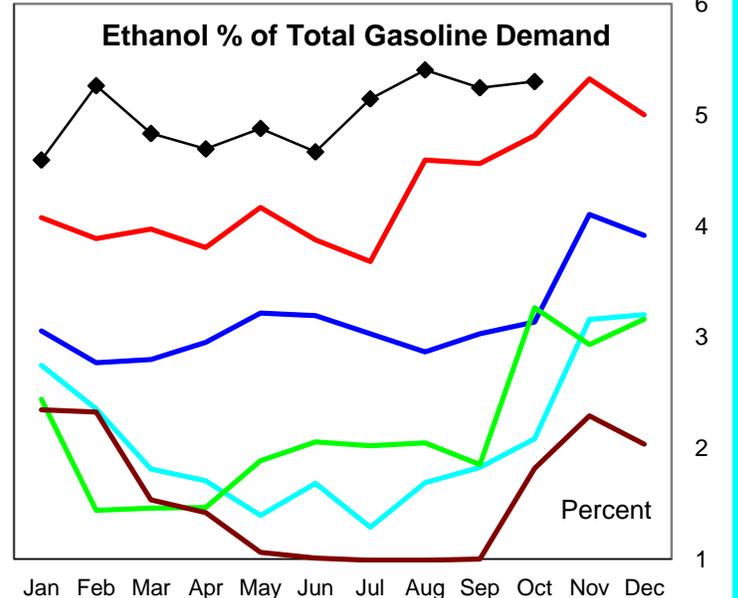
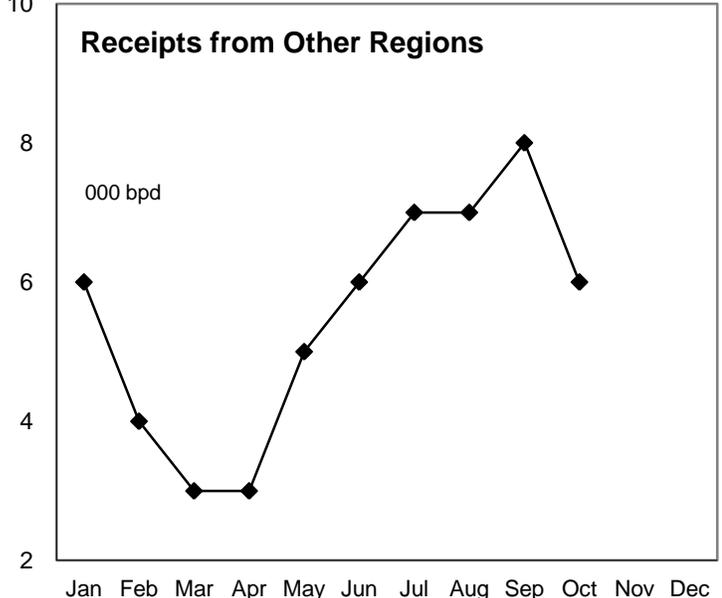
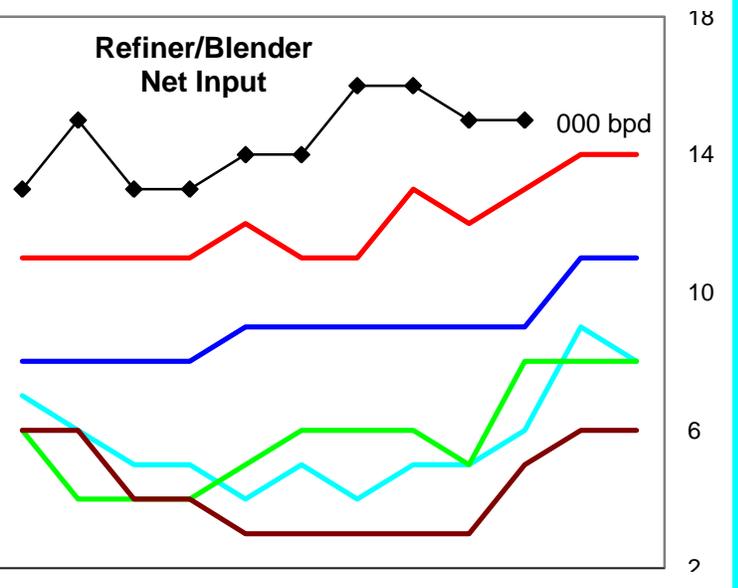
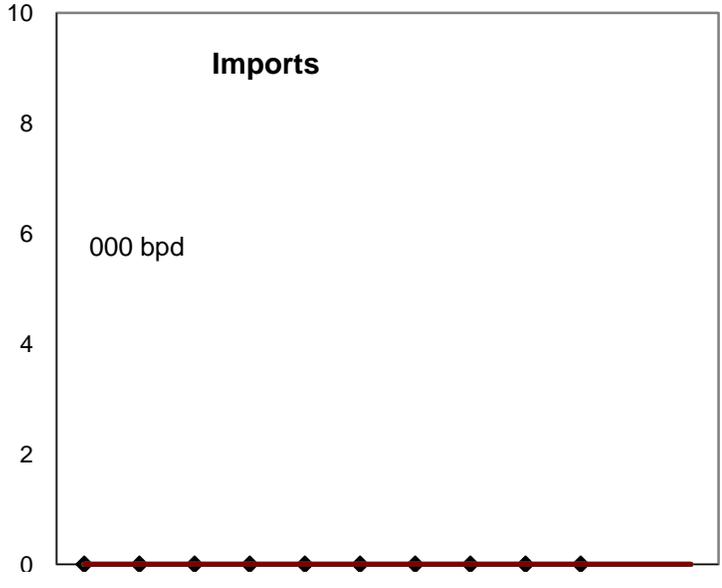
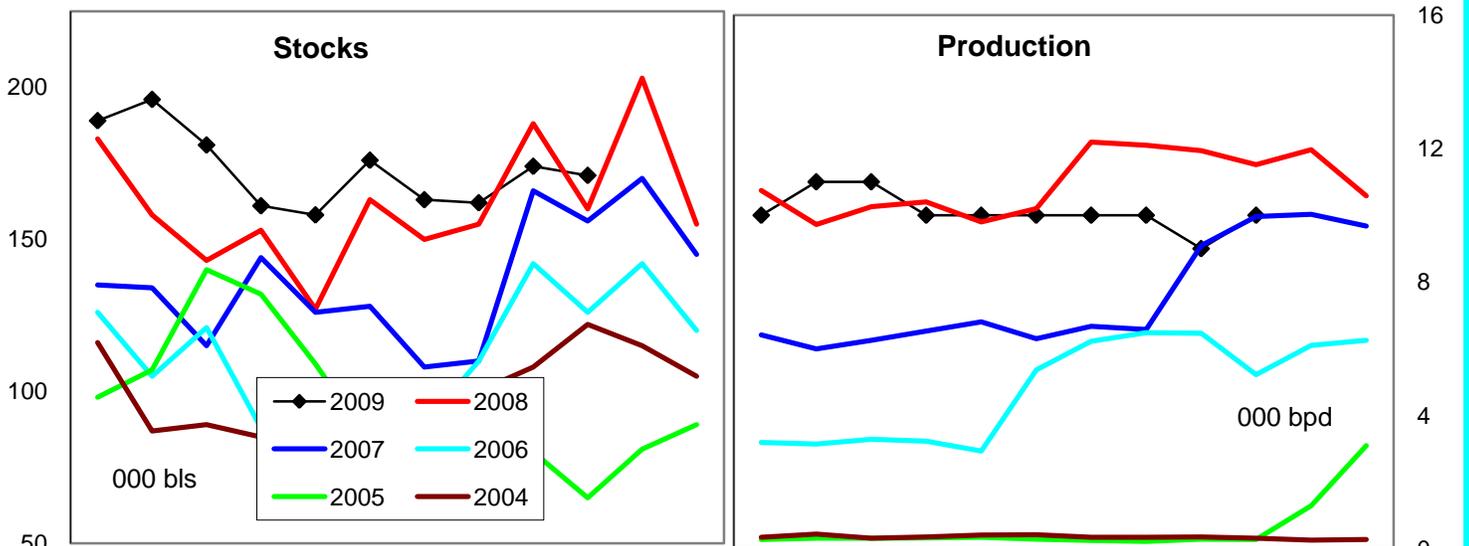
Variance to prior year	Stocks	Production	Imports	Demand
000 bpd (000 bbls stocks)	125	1	-2	27
% change	7.0	4.8	-33.3	43.5

PADD 03 Gasoline/Ethanol Demand and Blending



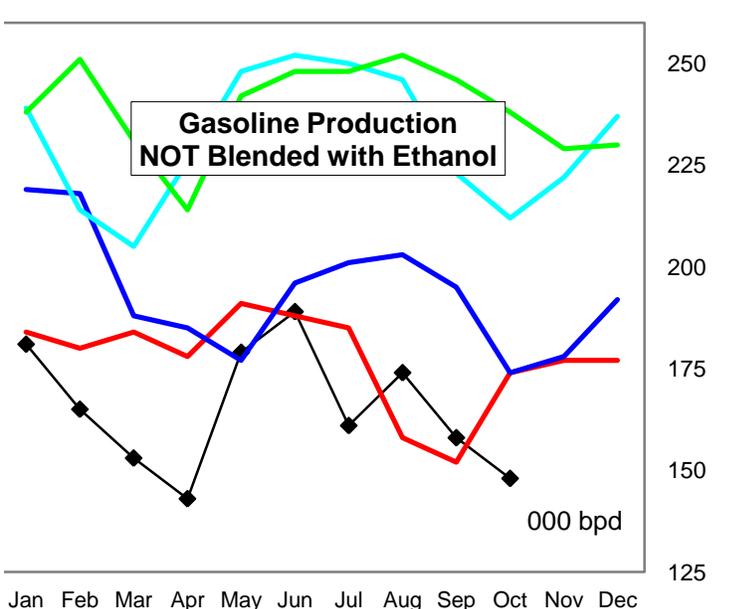
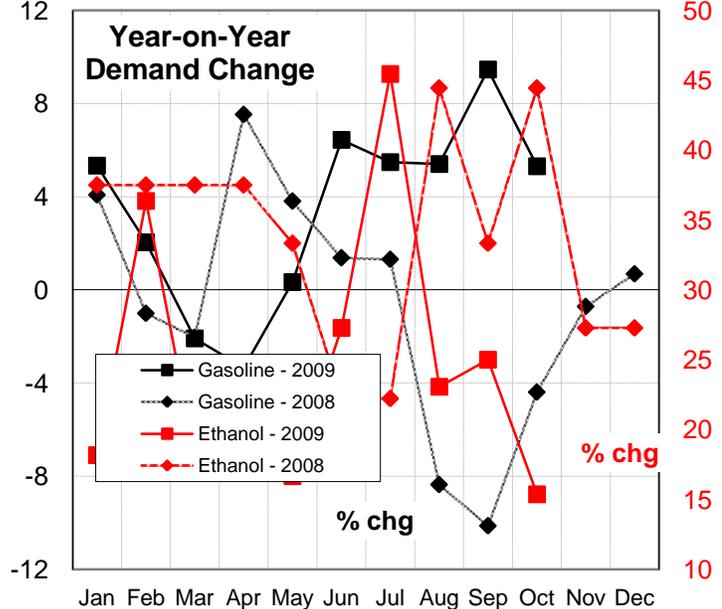
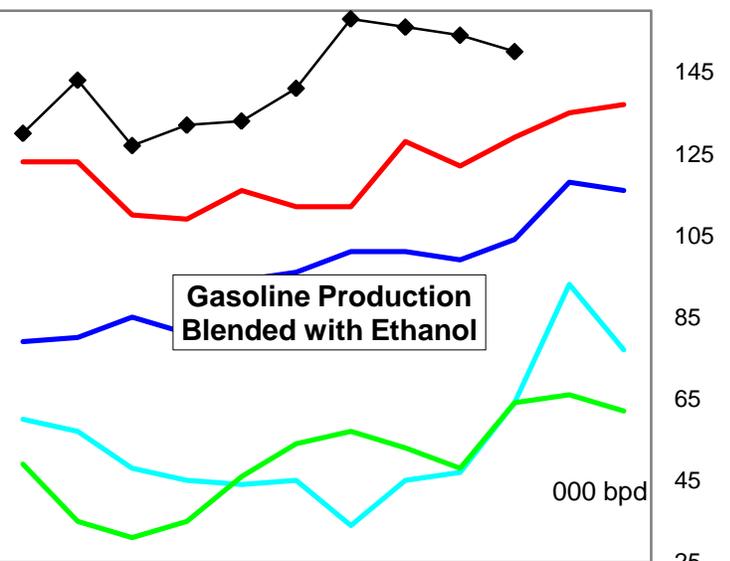
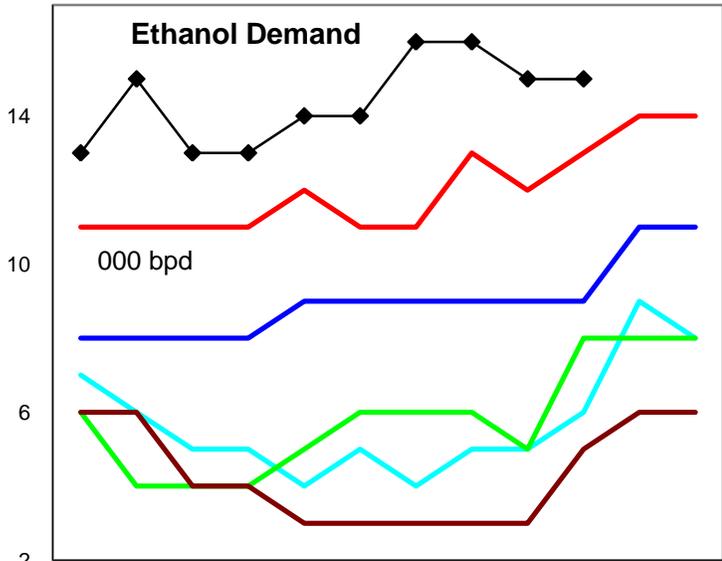
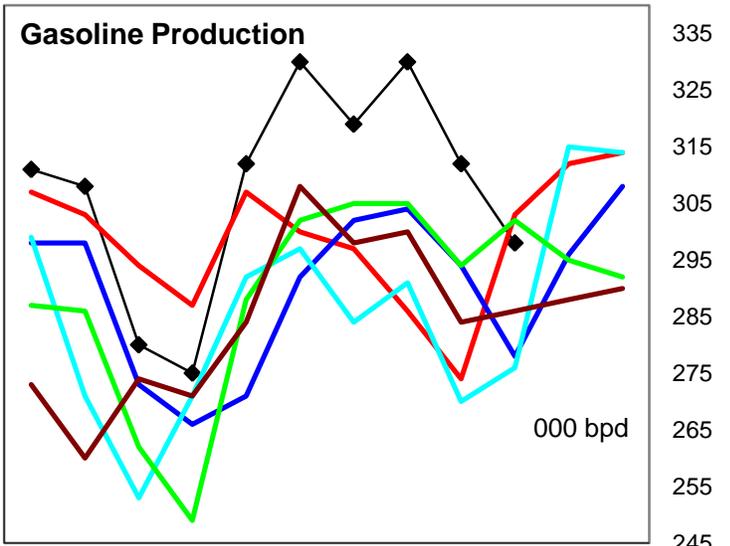
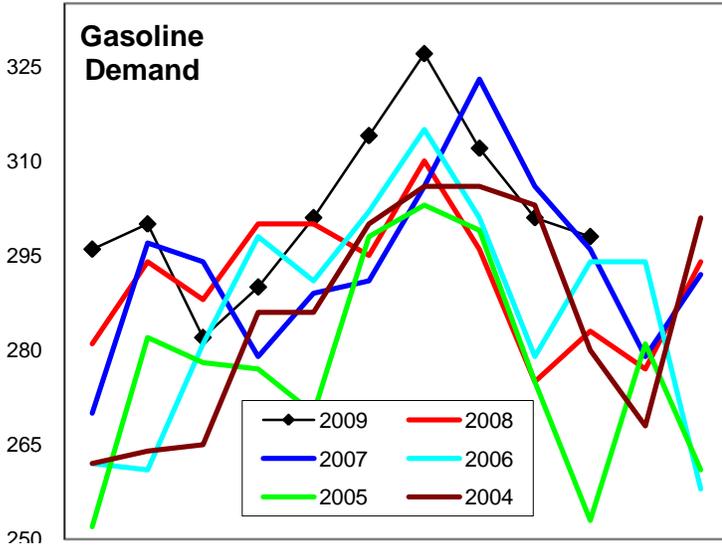
Variance to prior year	Gasoline Demand	Ethanol Demand	Prod with Ethanol	Prod Excl Ethanol
000 bpd	-62	27	270	-626
% change	-5.9	43.5	43.7	-29.1

PADD 4 Ethanol Supply-Demand Balance



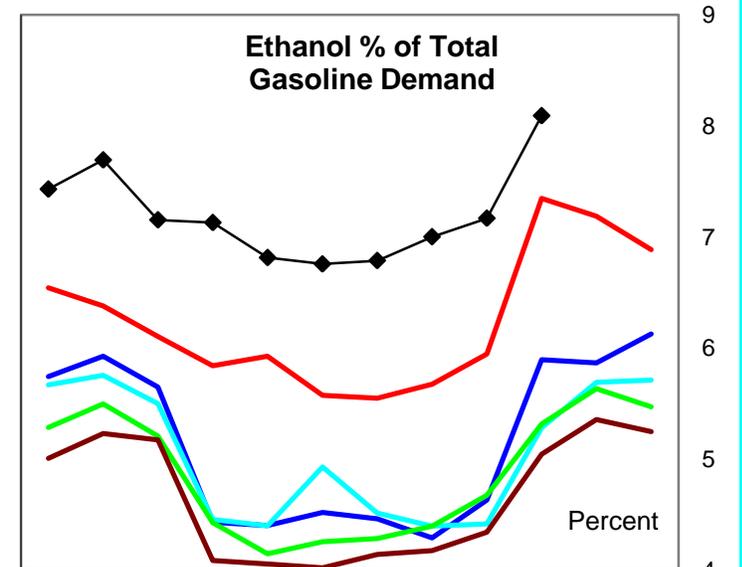
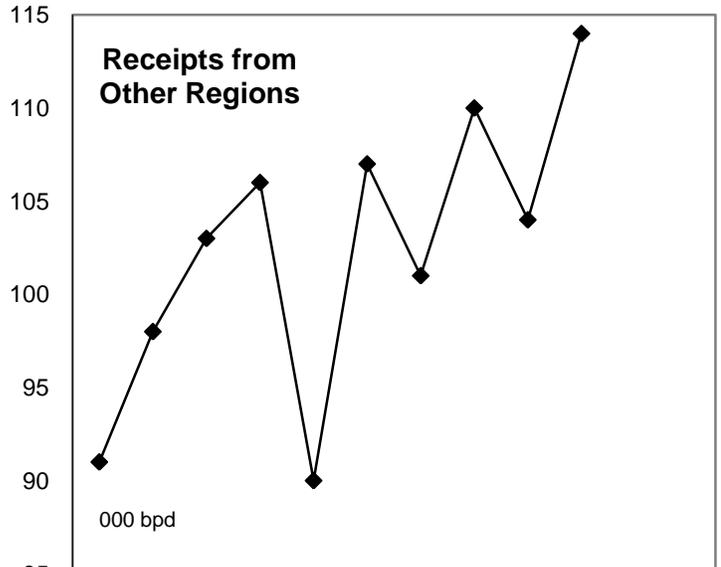
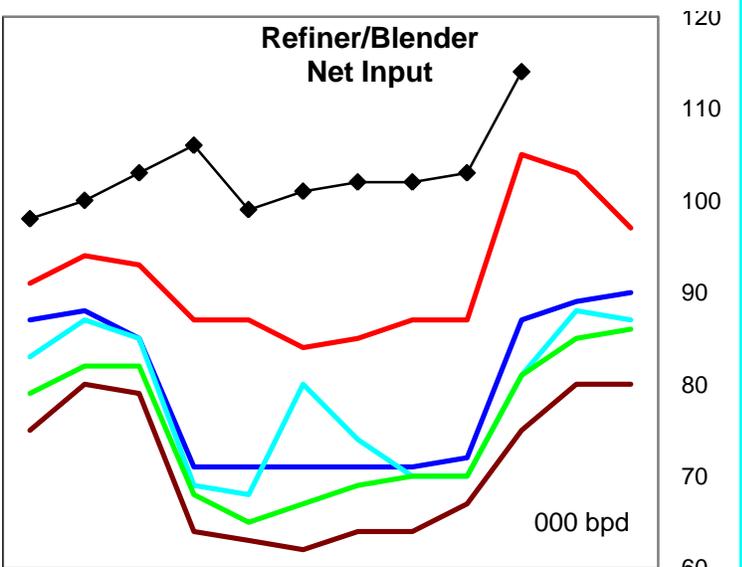
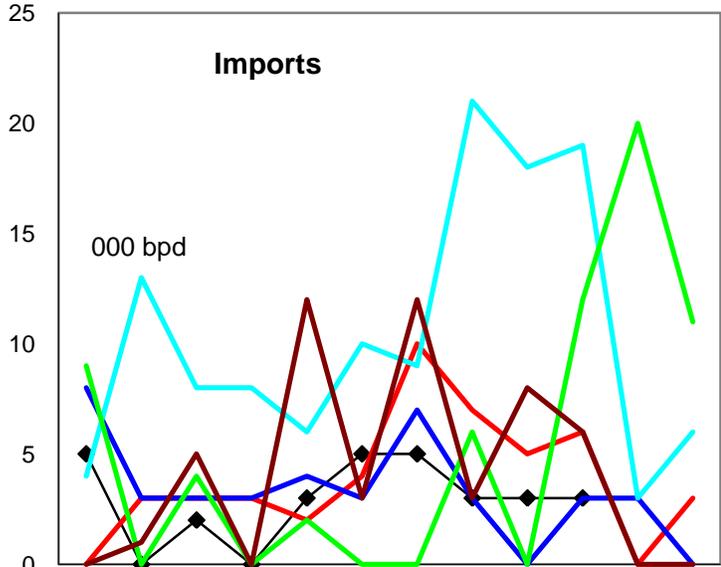
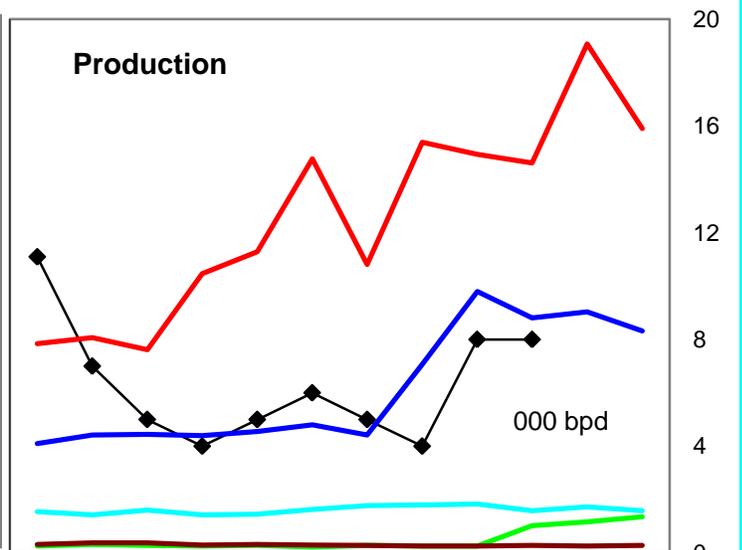
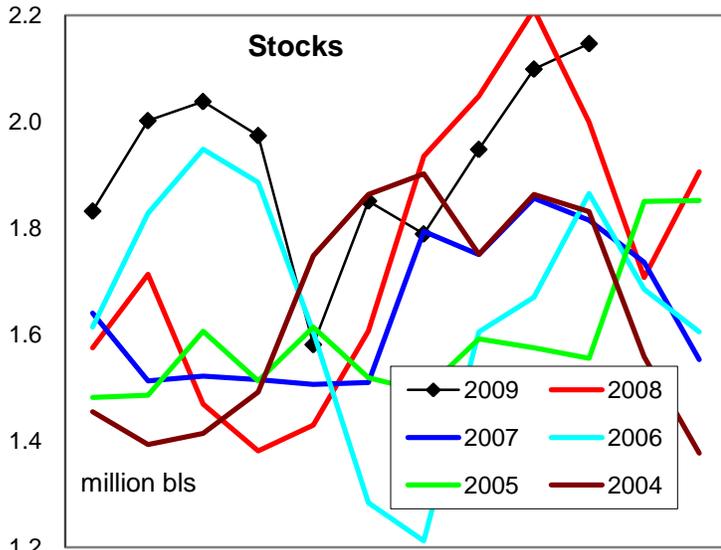
	Stocks	Production	Imports	Demand
Variance to prior year				
000 bpd (000 bbls stocks)	11	-2	0	2
% change	6.9	-13.2	#DIV/0!	15.4

PADD 04 Gasoline/Ethanol Demand and Blending



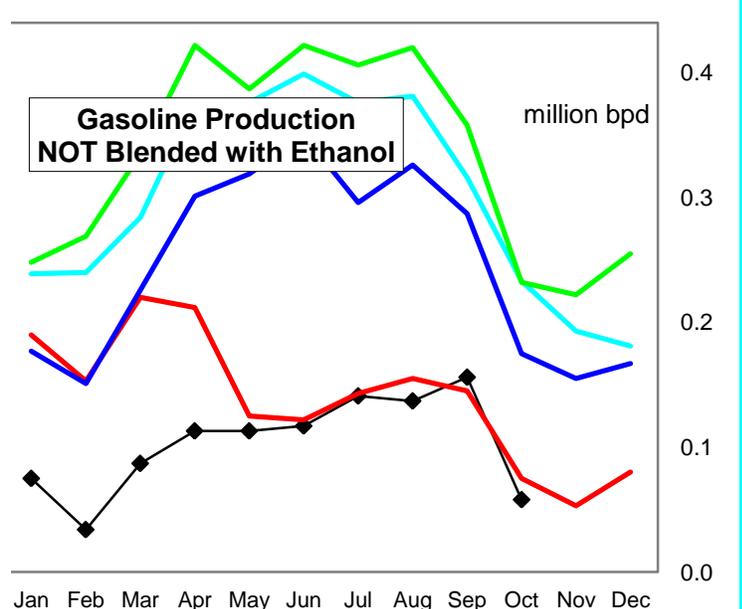
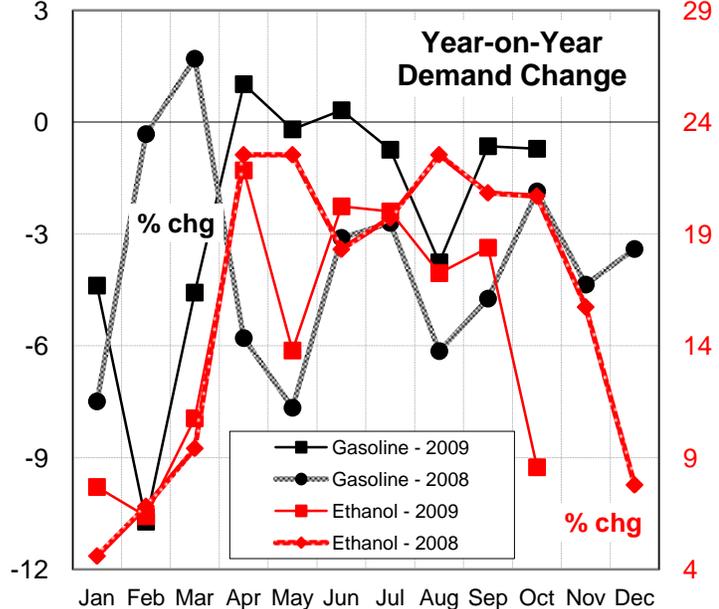
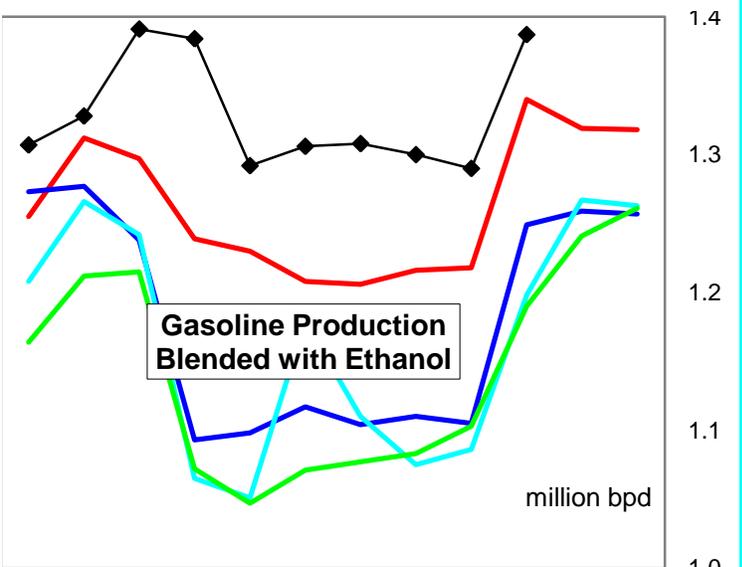
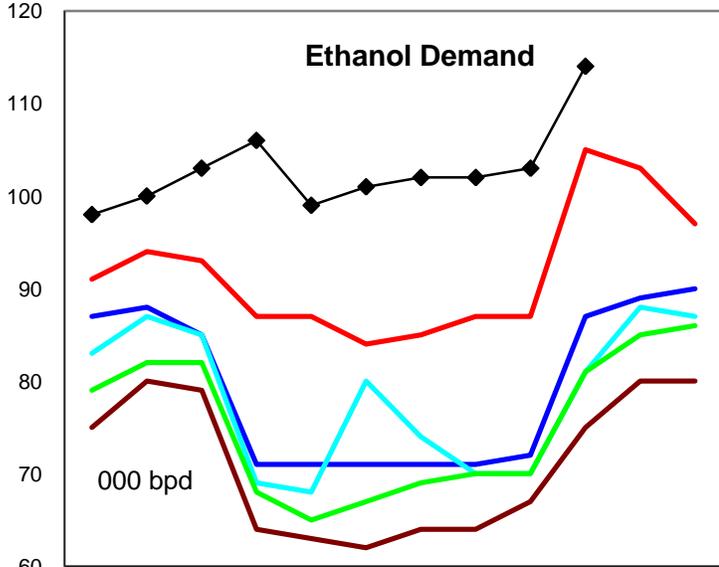
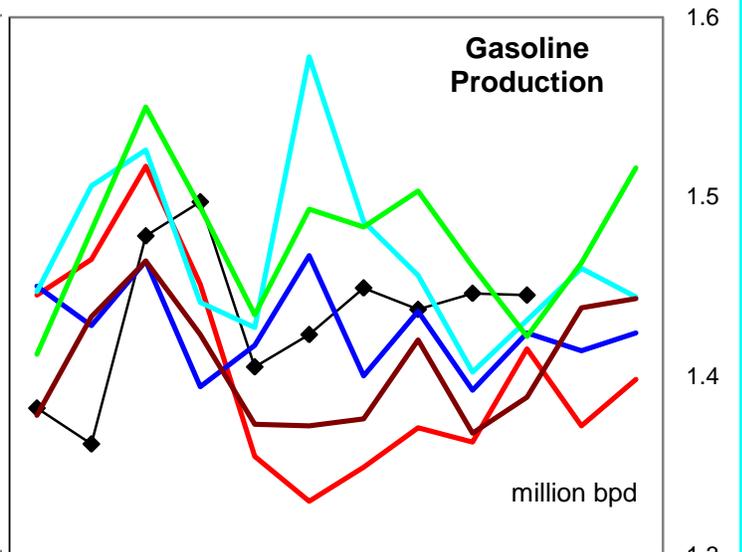
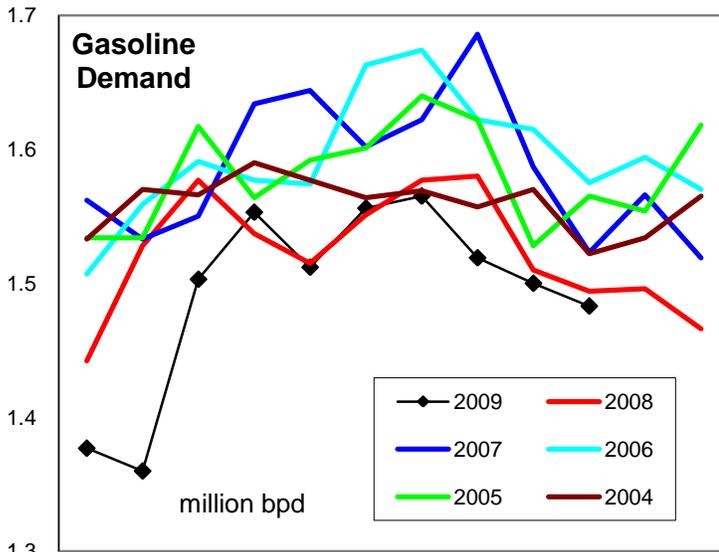
Variance to prior year	Gasoline Demand	Ethanol Demand	Prod with Ethanol	Prod Excl Ethanol
000 bpd	15	2	21	-26
% change	5.3	15.4	16.3	-14.9

PADD 5 Ethanol Supply-Demand Balance



	Stocks	Production	Imports	Demand
Variance to prior year				
000 bpd (000 bbls stocks)	148	-7	-3	9
% change	7.4	-45.3	-50.0	8.6

PADD 05 Gasoline/Ethanol Demand and Blending



Variance to prior year	Gasoline Demand	Ethanol Demand	Prod with Ethanol	Prod Excl Ethanol
000 bpd	-11	9	47	-17
% change	-0.7	8.6	3.4	-22.7

Ethanol / Gasoline Fundamental Trends

Item	Monthly Ethanol Supply-Demand Balance						Change From Prior Year		
	Oct09	Sep09	Aug09	Jul09	Jun09	May09	1-Month	3-Mth Avg	6-Mth Avg
U. S. Total									
Production	741	725	727	728	694	669	94	86	92
Imports	7	10	30	33	23	16	-13	-39	-28
EIA Adjustment	-64	-42	-62	-75	-52	-71	-64	-56	-61
Implied Demand	703	671	673	673	669	642	10	5	22
Ending Stocks	15,080	15,688	15,001	14,294	13,903	13,999	-112	-100	727
Change in stocks	-608	687	707	391	-96	-846			
Wholesale Gasoline Demand	8,978	8,897	9,250	9,300	9,224	9,087	-8	193	139
Conv Ethanol Gasoline Blend	4,243	4,028	4,054	4,071	3,973	3,749	958	1,097	1,263
Ethanol % of Total Gasoline	8.50	8.16	7.85	7.80	7.82	7.60	0.14	-0.14	0.13
PADD 01									
Production	9	10	9	8	9	9	4	5	5
Imports	0	4	26	28	18	14	-8	-32	-22
Receipts from other regions	263	284	277	272	270	236	NA		
Refiner/Blender Net Input	278	267	270	270	266	260	49	60	70
Ending Stocks	5,605	6,558	6,112	5,589	5,367	5,073	-586	175	590
Wholesale Gasoline Demand	3,263	3,144	3,225	3,201	3,424	3,403	105	72	54
Conv Ethanol Gasoline Blend	1,537	1,447	1,466	1,464	1,410	1,335	454	539	648
Ethanol % of Total Gasoline	9.31	9.28	9.14	9.21	8.42	8.27	1.49	2.00	2.36
PADD 02									
Production	699	687	693	693	659	634	97	93	98
Deliveries to other regions	-465	-466	-463	-451	-446	-399	NA		
Refiner/Blender Net Input	208	208	208	211	212	202	17	23	28
Ending Stocks	5,258	5,022	5,023	4,950	4,723	5,189	190	-426	-201
Wholesale Gasoline Demand	2,498	2,556	2,601	2,704	2,601	2,475	-95	21	16
Conv Ethanol Gasoline Blend	1,701	1,693	1,707	1,735	1,728	1,652	184	248	297
Ethanol % of Total Gasoline	9.08	8.86	8.69	8.46	8.87	8.89	1.13	0.99	1.22
PADD 03									
Production	14	11	11	12	11	12	1	-1	-2
Imports	4	4	1	0	0	0	-2	-4	-4
Receipts from other regions	81	70	70	71	63	68	NA		
Refiner/Blender Net Input	89	78	77	74	75	68	27	25	24
Ending Stocks	1,899	1,835	1,756	1,803	1,786	1,998	125	172	297
Wholesale Gasoline Demand	1,395	1,356	1,553	1,463	1,289	1,357	-23	108	69
Conv Ethanol Gasoline Blend	509	390	369	353	342	289	275	226	212
Ethanol % of Total Gasoline	6.81	6.10	5.22	5.33	6.18	5.28	2.24	1.62	1.69
PADD 04									
Production	10	9	10	10	10	10	-2	-2	-1
Receipts from other regions	6	8	7	7	6	5	NA		
Refiner/Blender Net Input	15	15	16	16	14	14	2	3	3
Ending Stocks	171	174	162	163	176	158	11	1	10
Wholesale Gasoline Demand	298	301	312	327	314	301	15	19	16
Conv Ethanol Gasoline Blend	150	154	156	158	141	133	-84	-43	-14
Ethanol % of Total Gasoline	5.30	5.24	5.41	5.14	4.67	4.88	0.49	0.66	0.82
PADD 05									
Production	8	8	4	5	6	5	-7	-8	-8
Imports	3	3	3	5	5	3	-3	-3	-2
Receipts from other regions	114	104	110	101	107	90	NA		
Refiner/Blender Net Input	114	103	102	102	101	99	9	13	14
Ending Stocks	2,147	2,099	1,948	1,789	1,851	1,581	148	-21	31
Wholesale Gasoline Demand	1,523	1,540	1,559	1,605	1,596	1,552	-11	-27	-15
Conv Ethanol Gasoline Blend	346	343	356	361	353	340	24	57	77
Ethanol % of Total Gasoline	8.09	7.17	7.00	6.79	6.76	6.81	0.74	1.10	1.10

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