

DOE Weekly Crude Oil Summary

WEEK ENDING	STOCKS						IMPORTS			DAYS SUPPLY		
	2018	Week Change	2017	Week Change	4 Yr Avg	4 Yr Avg Wk Chg	2018	2017	4 Yr Avg	2018	2017	4 Yr Avg
09-Nov	442,057	10,270	458,997	1,854	438,278	2,497	7,452	7,898	7,732	27.0	28.3	27.6
16-Nov	446,908	4,851	457,142	(1,855)	438,228	(51)	7,554	7,873	7,564	27.0	27.8	27.3
23-Nov-18	450,485	3,577	453,713	(3,429)	436,521	(1,706)	8,162	7,329	7,482	26.8	27.2	26.8
30-Nov	-----	-----	448,103	(5,610)	433,931	(2,590)	-----	7,202	7,799	-----	26.5	26.3
07-Dec	-----	-----	442,986	(5,117)	433,000	(932)	-----	7,363	7,535	-----	26.1	26.1
14-Dec	-----	-----	436,491	(6,495)	432,288	(712)	-----	7,834	7,981	-----	25.6	26.0
21-Dec	-----	-----	431,882	(4,609)	431,508	(780)	-----	7,993	7,778	-----	25.2	25.9

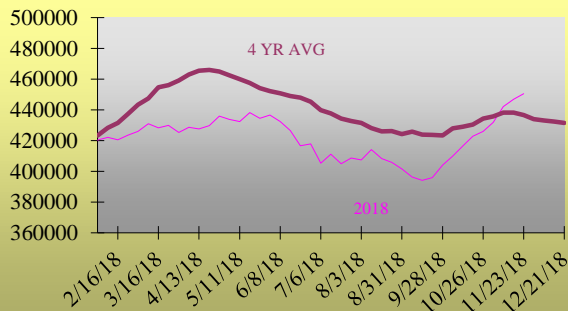
WEEK ENDING	PRODUCTION					RUNS			PERCENT OF CAPACITY			
	2018	Week Change	2017	4 Yr Avg	4 Yr Avg Wk Chg	2018	2017	4 yr Avg	2018	Week Change	2017	4 Yr Avg
09-Nov	11,700	100	9,645	9,128	(12)	16,432	16,639	16,189	90.1	0.1	91.0	90.4
16-Nov	11,700	0	9,658	9,148	20	16,855	16,838	16,393	92.7	2.6	91.3	91.4
23-Nov-18	11,700	0	9,682	9,167	19	17,553	17,003	16,611	95.6	2.9	92.6	92.6
30-Nov	-----	-----	9,707	9,172	5	-----	17,195	16,723	-----	-----	93.8	93.2
07-Dec	-----	-----	9,780	9,222	51	-----	16,952	16,585	-----	-----	93.4	92.3
14-Dec	-----	-----	9,789	9,220	(2)	-----	17,063	16,633	-----	-----	94.1	92.6
21-Dec	-----	-----	9,754	9,211	(10)	-----	17,398	16,754	-----	-----	95.7	93.4

WEEK ENDING	PADD BREAKDOWN											
	PADD I*				PADD II				PADD III			
	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg
09-Nov	14,015	2,410	14,002	13,821	126,333	2,213	150,644	131,148	228,674	5,232	221,557	218,469
16-Nov	14,971	956	15,051	13,952	125,739	(594)	148,172	130,951	232,061	3,387	219,114	218,312
23-Nov-18	13,964	(1,007)	13,618	13,810	127,425	1,686	144,169	131,192	237,868	5,807	218,925	214,520
30-Nov	-----	-----	12,663	14,154	-----	-----	140,752	131,727	-----	-----	217,797	216,207
07-Dec	-----	-----	14,184	13,676	-----	-----	137,533	132,780	-----	-----	217,512	214,534

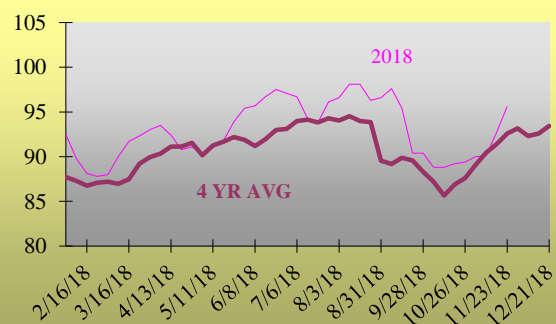
WEEK ENDING	PADD IV				PADD V				PADD TOTAL			
	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg
09-Nov	22,614	635	20,647	20,358	50,421	(219)	52,147	53,567	442,057	10,270	458,997	438,278
16-Nov	23,177	563	21,056	20,264	50,960	539	53,748	52,975	446,908	4,851	457,142	438,228
23-Nov-18	23,309	132	21,804	20,345	47,918	(3,042)	55,196	54,164	450,485	3,577	453,713	436,521
30-Nov	-----	-----	22,830	20,432	-----	-----	54,060	51,359	-----	-----	448,103	433,931
07-Dec	-----	-----	22,820	20,471	-----	-----	50,937	51,403	-----	-----	442,986	433,000

COFS Index: This Week: 1.48 Last Week: 1.54

CRUDE STOCKS



REFINERY PERCENT OPERATED



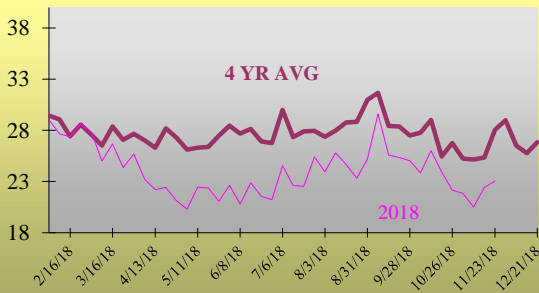
DOE Weekly Distillate Fuel Summary												
WEEK ENDING	STOCKS						IMPORTS			DAYS SUPPLY		
	2018	Week Change	2017	Week Change	4 Yr Avg	4 Yr Avg Wk Chg	2018	2017	4 Yr Avg	2018	2017	4 Yr Avg
09-Nov	119,268	(3,589)	124,763	(799)	132,197	(834)	305	161	134	20.5	22.7	25.2
16-Nov	119,191	(77)	125,032	269	132,195	(2)	104	190	146	22.4	22.8	25.4
23-Nov-18	121,801	2,610	127,779	2,747	135,641	3,446	186	120	159	23.1	25.5	28.1
30-Nov	-----	-----	129,446	1,667	139,327	3,686	-----	145	121	-----	24.4	29.0
07-Dec	-----	-----	128,076	(1,370)	139,383	56	-----	149	151	-----	22.9	26.5
14-Dec	-----	-----	128,845	769	139,381	(2)	-----	380	284	-----	23.5	25.8
21-Dec	-----	-----	129,935	1,090	140,100	720	-----	239	185	-----	23.4	26.8

WEEK ENDING	PRODUCTION				APPARENT DEMAND					JET KEROSENE		
	2018	Week Change	2017	4 Yr Avg	2018	Week Change	2017	4 Wk Avg	4 Yr Avg	2018	Week Change	4 Yr Avg
09-Nov	4,993	30	5,231	5,010	5,811	187	5,506	5,495	5,263	39,958	(2,351)	38,935
16-Nov	5,201	208	5,335	5,085	5,316	(495)	5,487	5,569	5,231	39,432	(526)	38,941
23-Nov-18	5,471	270	5,284	5,174	5,284	(32)	5,012	5,482	4,840	39,710	278	39,325
30-Nov	-----	-----	5,402	5,236	-----	-----	5,309	-----	4,830	-----	-----	39,397
07-Dec	-----	-----	5,247	5,144	-----	-----	5,592	-----	5,288	-----	-----	39,935
14-Dec	-----	-----	5,206	5,126	-----	-----	5,476	-----	5,410	-----	-----	39,632
21-Dec	-----	-----	5,476	5,167	-----	-----	5,559	-----	5,248	-----	-----	39,921

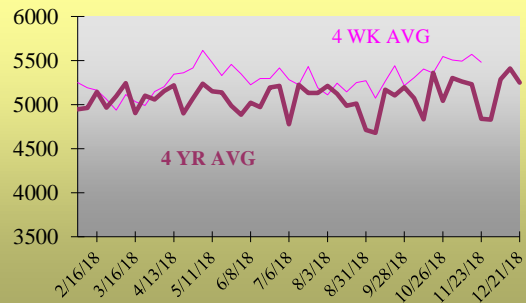
WEEK ENDING	PADD BREAKDOWN											
	PADD I				PADD II				PADD III			
2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	
09-Nov	40,249	(336)	47,384	54,407	26,155	(1,442)	24,316	26,041	38,007	(1,712)	38,792	38,513
16-Nov	40,278	29	49,842	53,383	25,309	(846)	22,883	27,293	38,326	319	37,473	39,608
23-Nov-18	40,126	(152)	49,648	54,016	26,795	1,486	23,921	27,194	39,221	895	39,165	40,739
30-Nov	-----	-----	49,773	55,522	-----	-----	25,206	27,224	-----	-----	38,057	41,111
07-Dec	-----	-----	49,047	55,315	-----	-----	24,269	27,847	-----	-----	38,380	42,240

WEEK ENDING	PADD IV				PADD V				PADD TOTAL			
	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg
09-Nov	3,659	87	2,892	3,552	11,199	(184)	11,379	11,935	119,268	(3,589)	124,763	132,197
16-Nov	3,593	(66)	2,975	3,710	11,685	486	11,859	12,299	119,191	(77)	125,032	132,195
23-Nov-18	3,718	125	3,039	3,960	11,941	256	12,006	13,058	121,801	2,610	127,779	135,641
30-Nov	-----	-----	3,509	3,946	-----	-----	12,901	12,725	-----	-----	129,446	139,327
07-Dec	-----	-----	3,463	3,942	-----	-----	12,916	12,592	-----	-----	128,076	139,383

HEATING OIL DAYS SUPPLY



HEATING OIL DEMAND



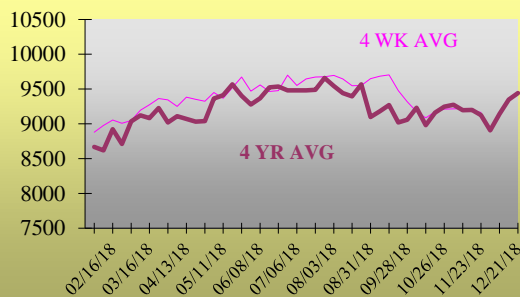
DOE Weekly Gasoline Summary												
WEEK ENDING	STOCKS					RFG STOCKS				IMPORTS		
	2018	Week Change	2017	Week Change	4 Yr Avg	2018	Week Change	PADD I	Week Change	2018	2017	4 Yr Avg
09-Nov	226,610	(1,411)	210,431	894	212,748	43	(3)	25	(4)	253	349	496
16-Nov	225,315	(1,295)	210,475	44	214,414	51	8	34	9	247	514	567
23-Nov-18	224,551	(764)	214,102	3,627	216,415	40	(11)	23	(11)	384	526	634
30-Nov	-----	-----	220,882	6,780	221,212	-----	-----	-----	-----	-----	488	587
07-Dec	-----	-----	226,546	5,664	224,497	-----	-----	-----	-----	-----	483	635
14-Dec	-----	-----	227,783	1,237	225,778	-----	-----	-----	-----	-----	487	537
21-Dec	-----	-----	228,374	591	226,496	-----	-----	-----	-----	-----	388	538

WEEK ENDING	PRODUCTION				APPARENT DEMAND				DAYS SUPPLY			
	2018	Week Change	2017	4 Yr Avg	2018	Week Change	2017	4 Wk Avg	4 Yr Avg	2018	2017	4 Yr Avg
09-Nov	10,056	342	9,852	9,798	9,192	93	9,172	9,219	9,195	24.6	22.5	23.1
16-Nov	10,036	(20)	10,432	9,829	9,185	(7)	9,595	9,185	9,199	24.5	22.3	23.2
23-Nov-18	10,168	132	10,222	9,888	9,188	3	8,724	9,166	9,128	24.5	23.2	23.5
30-Nov	-----	-----	9,758	9,677	-----	-----	8,895	-----	8,905	-----	24.3	24.3
07-Dec	-----	-----	10,129	9,893	-----	-----	9,091	-----	9,140	-----	25.0	24.7
14-Dec	-----	-----	10,065	9,870	-----	-----	9,426	-----	9,350	-----	25.2	24.7
21-Dec	-----	-----	10,246	10,225	-----	-----	9,485	-----	9,443	-----	24.8	24.6

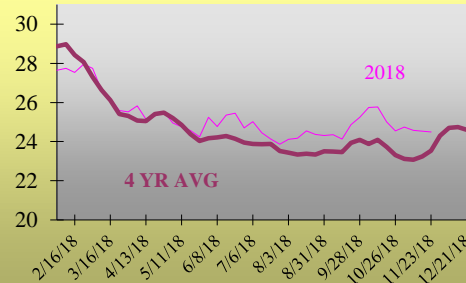
WEEK ENDING	PADD BREAKDOWN											
	PADD I				PADD II				PADD III			
2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	
09-Nov	64,688	270	52,941	58,697	46,639	218	45,856	46,618	81,823	(1,110)	76,577	77,859
16-Nov	61,702	(2,986)	53,487	58,458	46,175	(464)	45,076	47,954	83,759	1,936	77,016	78,442
23-Nov-18	61,070	(632)	56,069	58,654	46,854	679	45,571	48,959	82,817	(942)	76,897	79,138
30-Nov	-----	-----	58,450	61,386	-----	-----	47,247	49,865	-----	-----	78,399	79,749
07-Dec	-----	-----	59,200	63,949	-----	-----	47,871	49,836	-----	-----	81,563	80,062

WEEK ENDING	PADD IV				PADD V				PADD TOTAL			
	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg	2018	Wk Chg	2017	4 Yr Avg
09-Nov	6,942	39	6,810	7,024	26,518	(827)	28,247	28,399	226,610	(1,411)	210,431	212,748
16-Nov	6,812	(130)	6,692	7,195	26,867	349	28,204	28,422	225,315	(1,295)	210,475	214,414
23-Nov-18	6,815	3	6,752	7,390	26,994	127	28,812	29,299	224,551	(764)	214,102	216,415
30-Nov	-----	-----	7,037	7,473	-----	-----	29,749	29,619	-----	-----	220,882	221,212
07-Dec	-----	-----	7,169	7,559	-----	-----	30,743	29,835	-----	-----	226,546	224,497

GASOLINE DEMAND



GASOLINE DAYS SUPPLY



***PADD: Petroleum Administration for Defense Districts**

PAD District I (East Coast) is composed of the following three:

Subdistricts: Subdistrict IA (New England): Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

Subdistrict IB (Central Atlantic): Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania.

Subdistrict IC (Lower Atlantic): Florida, Georgia, North Carolina, South Carolina, Virginia, West Virginia.

PAD District II (Midwest): Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, Ohio, Oklahoma, Tennessee, Wisconsin.

PAD District III (Gulf Coast): Alabama, Arkansas, Louisiana, Mississippi, New Mexico, Texas.

PAD District IV (Rocky Mountain): Colorado, Idaho, Montana, Utah, Wyoming.

PAD District V (West Coast): Alaska, Arizona, California, Hawaii, Nevada, Oregon, Washington.

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