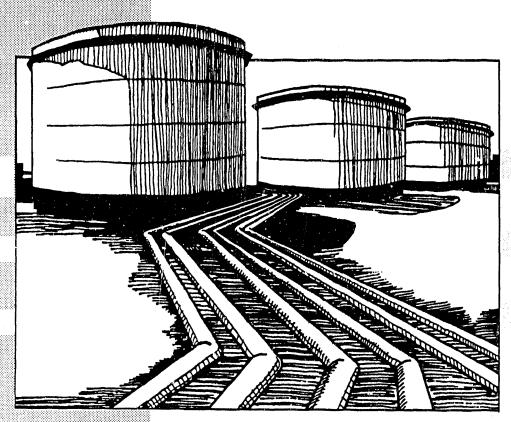
Winter Fuels Report

Week Ending: February 1, 1991



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Energy Information Administration

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Released for printing: February 7, 1991

Cover: An artist's rendering of bulk terminal storage tanks.

Winter Fuels Report

Week Ending: February 1, 1991

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

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Contacts

The Winter Fuels Report is prepared by the Office of Oil and Gas, Energy Information Administration. General information about this document may be obtained from Jimmie L. Petersen (202) 586-6401, Director of the Office of Oil and Gas. Specific questions can be directed to:

Propane /Distillate Oil Supply	. Kathleen Cavanaugh Susan Harris	(202) 586-2970 (202) 586-8384
Propane/Distillate Prices	Lamar Gowland Annie Whatley	(202) 586-6608 (202) 586-6612
Natural Gas	.Ken Brown	(202) 586-6077

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Preface

The Winter Fuels Report is intended to provide concise, timely information to the industry, the press, policymakers, consumers, analysts, and State and local governments on the following topics:

- distillate fuel oil net production, imports and stocks for all PADD's and product supplied on a U.S. level;
- propane net production, imports and stocks for Petroleum Administration for Defense Districts (PADD) I, II, and III;
- natural gas supply and disposition and underground storage for the United States and consumption for all PADD's;
- residential and wholesale pricing data for propane and heating oil for those States participating in the joint Energy Information Administration (EIA)/State Heating Oil and Propane Program;
- crude oil and petroleum price comparisons for the United States and selected cities; and
- U.S. total heating degree-days by city.

The distillate fuel oil and propane supply data are collected and published weekly. The data are based on company submissions for the week ending 7:00 a.m. for the preceding Friday. Weekly data for distillate fuel oil are published in the Weekly Petroleum Status Report. Monthly data for distillate fuel oil and propane are published in the Petroleum Supply Monthly.

The residential pricing information is collected by the EIA and the State Energy Offices on a semimonthly basis for the EIA/State Heating Oil and Propane Program. The wholesale price comparison data are collected daily and will be published weekly. Residential heating fuel prices are derived from price quotes for home delivery of No.2 fuel oil and propane. As such, they reflect prices in effect on the dates shown. Wholesale heating oil and propane prices are estimates using a sample of terminal quotes to represent average State prices on the dates given. The Computer Petroleum Corporation, Inc., defines these prices to be "prices f.o.b. terminal, excluding taxes, discounts, and hauling allowances." Wholesale prices for 1989 and 1990 are taken from terminal postings as published in the publication, U.S. Oil Week. The crude oil and petroleum product prices are from various industries sources as referenced on each table.

The natural gas data are collected and published monthly in the *Natural Gas Monthly*.

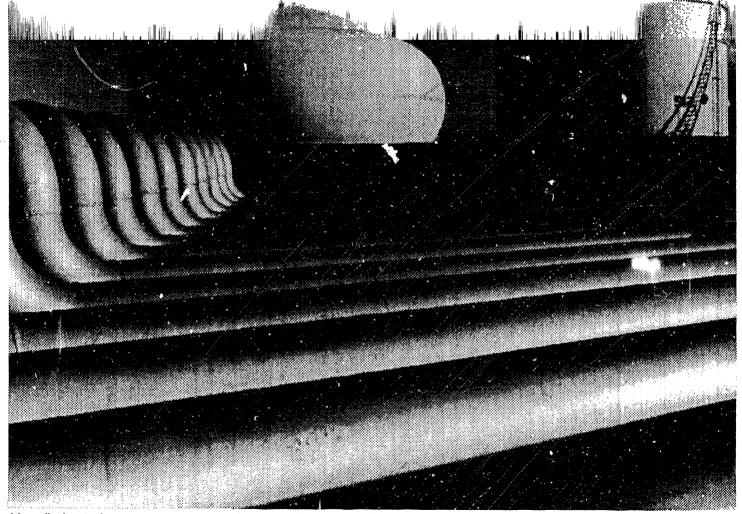
This report will be published weekly by the EIA starting the first week in October 1990 and will continue until the first week in April 1991. The data will also be available electronically after 5:00 p.m. on Thursday during the heating season through the EIA Electronic Publication System (EPUB). See page ii for details.

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Liquefied petroleum gases are stored in pressurized tanks while other products are stored in conventional tanks.

Highlights

Propane stocks as of February 1, 1991, dropped to 32.5 million barrels in the East Coast, Midwest, and Gulf Coast (see Table H1). Since these regions normally hold about 97-98 percent of the U.S. propane stocks, the estimate for U.S. propane stocks as of February 1, 1991, is approximately 33 million barrels. Inventories for the first week of February are 313 thousand barrels above the level for the end of January 1990.

East Coast inventories are 305 thousand barrels less than January 25, 1991 stocks. Inventories in the Midwest dropped a little more than 700 thousand barrels during the same period. Stocks in the Gulf Coast, which is both the largest propane producing and consuming section of the country, decreased 386 thousand barrels from the previous week's stock level.

The EIA will continue to monitor the propane situation closely to ensure timely data in the event of heightened concern for propane stock levels.

Table H1. Propane Stocks by Petroleum Administration for Defense Districts (PADD) I, II, and III (Thousand Barrels)

	December	January			Week En	ding		
PAD Districts	1989	1990	12/28/90	01/04/91	01/11/91	01/18/91	01/25/91	02/01/91
East Coast (PADD I)	1,789	2,481	^E 5,356	^E 5,539	^E 5,076	^E 4,703	^E 4,527	E4,222
Midwest (PADD II)	9,498	11,364	^E 19,444	^E 17,645	^E 15,636	^E 14,725	^E 13,585	^E 12,881
Gulf Coast (PADD III)	19,093	18,271	^E 21,799	^E 20,679	^E 21,293	^E 19,193	^E 15,743	^E 15,357
Total (PADD I-III)	30,380	32,116	^E 46,599	^E 43,863	^E 42,005	^E 38,621	^E 33,855	^E 32,460
U.S. Total	31,528	32,979	^E 47,794	^E 44,988	^E 43,082	^E 39,611	^E 34,723	^E 33,292

E = Estimated data.

Source: Energy Information Administration (EIA), Monthly Petroleum Supply Reporting System and Form EIA-807, "Propane Teleph ne Survey."

Distillate Fuel Oil



Overall view of a typical bulk terminal facility.

Table 1. Monthly and Weekly Net Production^a, Imports, and Stocks of Distillate Fuel Oil by Petroleum Administration for Defense District (PADD) and Product Supplied for the United States (Thousand Barrels per Day, Except Where Noted)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		1				<u> </u>		4,	1	L	l <u>.</u>
				•			•	•	2,826	2,908	3,067
		•			•		2,907	2,952	2,906	3,063	3,266
3,136	2,753	2,655	2,802	2,873	2,995	3,006	3,131	2,967	2,933	2,916	
12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
2,942	2,906	2,913	2,835	2,856	2,878	2,836	2,793	2,838			
404	000	047	040	0.50	200						
											409
											324
501	357	280	308	207	257	229	292	226	190	238	
12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
200	75	394	268	203	185	147	192	67			
•	4400										
				-							123.5
				99.6	99.6		116.3		121.7	119.8	105.7
117.9	112.2	99.7	99 .5	102.8	109.4	125.3	131.1	136.5	136.8	132.8	
12/07	12/14	12/21	12/28	01/04	01/11	09/18	01/25	02/01			
133.2	132.3	129.6	129.8	129.4			115.1	110.9			
2 550	0 557	0.000	0.004	0.705	0.454						
							•		•		3,560
				•			•				3,914
3,177	3,250	3,265	3,059	2,897	2,949	2,693	3,184	2,890	2,963	3,093	
		12/21	12/28	01/04	01/11	01/18	01/25	02/01			
3,196	2,983	3,550	2,915	2,969	3,265	4,115	3,210	0,317			
1						-				·	
346	330	303	284	315	331	327	350	359	331	332	391
401											448
423	370	313	313	317	343	385					440
					-				.	·	
12/07	19/14	19/91	12/20	01/04	04/44	00/40	A4 ME	00/04			
								02/01 304			
7111 12000000	000000000 00000 . Topia cocc		en e	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	W/V	V 07			
•											
48.1	44.4	33.0	30.0	34.9	37.4	44.7	52.3	57.0	56.7	54.6	49.2
46.6	37.2	33.3	33.2	33.1	35.7						35.1
44.3	39.5	30.9	30.0	33.6	40.1	51.7	57.9	63.0	65.4	60.8	
12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	3,008 2,974 3,136 12/07 2,942 424 346 501 12/07 200 77els) 128.9 120.6 117.9 12/07 133.2 3,558 3,303 3,177 12/07 5,196 346 401 423 12/07 364	3,008 2,666 2,974 2,797 3,136 2,753 12/07 12/14 2,942 2,906 424 383 346 331 501 357 12/07 12/14 200 75 77els) 128.1 110.3 120.6 107.6 117.9 112.2 12/07 12/14 133.2 132.3 3,558 3,557 3,303 3,427 3,177 3,250 12/07 12/14 3,196 2,963 346 330 401 344 423 370 12/07 12/14 3,196 3,963	3,008	3,008	3,008	3,008	3,008	3,008	3,008 2,666 2,705 2,865 2,935 2,891 2,783 2,847 2,777 2,974 2,797 2,713 2,789 2,750 2,809 2,848 2,907 2,952 3,136 2,753 2,655 2,802 2,873 2,995 3,006 3,131 2,967 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 2,942 2,906 2,913 2,835 2,856 2,876 2,836 2,793 2,838 424 383 247 210 253 222 222 279 307 346 331 439 301 290 233 334 254 249 501 357 280 308 207 257 229 292 226 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 200 75 394 268 203 185 147 102 67 12/06 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 12/06 107.6 96.7 98.5 99.6 99.6 115.0 116.3 123.2 117.9 112.2 99.7 99.5 102.8 109.4 125.3 131.1 136.5 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 116.1 110.9 3,558 3,557 3,539 2,884 2,975 2,954 3,002 2,596 2,986 2,889 3,177 3,250 3,265 3,059 2,897 2,949 2,693 3,184 2,890 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 116.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 116.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 132.3 129.6 129.8 129.4 127.0 118.0 116.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 2,915 2,969 3,285 4,115 3,210 0,317 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 2,915 2,969 3,285 4,115 3,210 0,317 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 2,915 2,969 3,285 4,115 3,210 0,317 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 3,651 3,059 3,469 3,49 3,27 3,50 3,59 3,60 3,50 3,50 3,50 3,50 3,50 3,50 3,50 3,5	3,008 2,666 2,705 2,865 2,935 2,891 2,783 2,847 2,777 2,826 2,974 2,797 2,713 2,789 2,750 2,809 2,848 2,907 2,952 2,906 3,136 2,753 2,855 2,802 2,873 2,995 3,006 3,131 2,967 2,933 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 2,942 2,906 2,913 2,835 2,856 2,876 2,876 2,836 2,793 2,838 424 331 439 301 290 233 334 254 249 261 501 357 280 308 207 257 229 292 226 190 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 200 75 394 268 203 185 147 192 67 7 7 18/18 12/21 12/28 01/04 01/11 01/18 01/25 02/01 200 75 394 268 203 185 147 192 67 7 11/19 11/12 99.7 99.5 102.8 109.4 125.3 131.1 136.5 136.8 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 120.4 125.3 131.1 136.5 136.8 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 115.1 110.9 13.5 129.2 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 115.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 115.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 115.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 133.2 132.3 129.6 129.8 129.4 127.0 118.0 115.1 110.9 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3.568 2,983 3,550 2,915 2,999 3,295 4,115 3,210 0,317 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 2,915 2,999 3,295 4,115 3,210 0,317 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 2,915 2,999 3,295 4,115 3,210 0,317 12/07 12/14 12/21 12/28 01/04 01/11 01/18 01/25 02/01 3,196 2,983 3,550 2,915 2,999 3,295 4,115 3,210 0,317	3.008

Table 1. Monthly and Weekly Net Production⁸, Imports, and Stocks of Distillate Fuel Oil by Petroleum Administration for Defense District (PADD) and Product Supplied for the United States (Continued) (Thousand Barrels per Day, Except Where Noted)

District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
New England (PADI	•		4	/ 	L		L	<u></u>				
Stocks (Million B												
1988	8.8	8.2	6.5	4.7	4.9	5.4	7.3	10.6	11.7	11.5	9.8	7.1
1989	8.6	5.8	5.4	4.7	4.6	4.5	8.2	8.8	9.2	9.4	7.7	4.4
1990	5.4	4.7	3.9	4.0	4.4	5.0	8.8	10.1	10.8	10.7	9.7	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	9.8	10.2	8.7	8.6	8.5	8.5	7.4	8.8	6.7			
Central Atlantic (PA	DD IY)											
Stocks (Million Br												
1988	26.5	23.6	16.7	14.6	17.0	20.1	23.8	28.9	33.5	32.6	30.7	28.2
1989	23.9	20.3	17.4	18.2	18.0	21.0	24.3	28.6	28.4	30.0	28.4	19.4
1990	26.2	22.2	16.3	15.3	17.1	22.4	30.1	35.5	39.3	41.0	37.4	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	34.9			31.5		28.2	25.7	24.1				
					47.00.00							
ower Atlantic (PAD												
Stocks (Million Ba	arreis)											
1988	12.9	12.7	9.8	10.7	13.0	12.0	13.5	12.8	11.8	12.5	14.1	13.9
1989	14.0	11.2	10.6	10.4	10.5	10.1	12.0	11.0	12.6	12.3	13.6	11.4
1990	12.7	12.6	10.6	10.8	12.2	12.6	12.7	12.3	12.9	13.7	13.6	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	14.1	14.1	14.3	14.7	15.5	13.4	13.3	13.1	12.7			
Midwest (PADD II)												-
Production												
1988	672	622	617	690	698	684	638	669	665	679	685	733
1989	713	687	661	658	625	677	662	€70	698	650	710	797
1990	735	659	637	701	725	751	757	729	704	686	697	, , ,
Week Ending						. • .		0		000	•••	
1990-1991	10/07	40/44	10/01	40/00	04/04	04/44	04/40	***	00/04			
1881-0881	12/07 725	12/14 749	12/21 719	12/28 717	01/04 701	01/11 691	01/18 671	J1/25 664	02/01 701			
Stocks (Million Ba	rreis)											
1988	34.4	29.8	23.3	26.6	28.9	29.7	30.6	31.0	30.5	28.7	29.2	31.3
1989	32.7	31.3	27.2	27.4	27.2	27.0	28.8	29.0	31.1	28.7	28.9	30.7
1990	33.2	32.6	30.1	29.4	29.9	30.0	31.6	30.4	30.0	28.8	30.0	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	31.3	32.6	32.8	33.5	33.9	32.8	30.5	30.2	29.7			

Table 1. Monthly and Weekly Net Production⁸, Imports, and Stocks of Distillate Fuel Oil by Petroleum Administration for Defense District (PADD) and Product Supplied for the United States (Continued) (Thousand Barrels per Day, Except Where Noted)

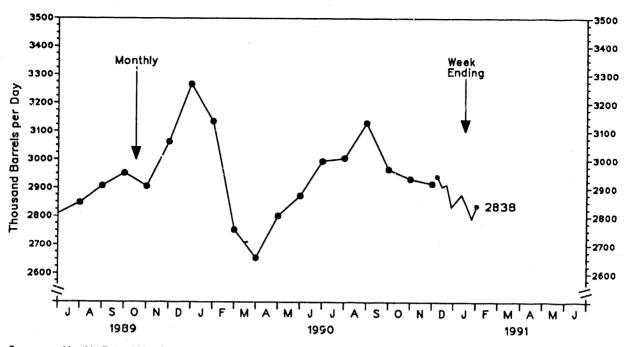
District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Gulf Coast (PADD II	l)			I		<u> </u>						
Production												
1988	1,475	1,232	1,251	1,332	1,325	1,297	1,271	1,279	1,183	1,280	1,319	1,391
1989	1,324	1,257	1,240	1,291	1,268	1,227	1,227	1,278	1,309	1,305	1,401	1,444
1990	1,442	1,170	1,157	1,248	1,254	1,376	1,314	1,416	1,291	1,332	1,318	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	1,277	1,298	1,286	1,241	1,195	1,263	1,263	1,247	1,231			
Stocks (Million Ba	arreis)											
1988`	31.7	23.1	21.8	24.7	25.4	27.3	29.2	28.5	28.9	28.8	29.9	28.2
1989	27.7	26.2	22.8	23.9	25.3	23.9	27.7	26.1	28.5	27.6	27.0	25.0
1990	25.8	24.8	23.6	25.5	24.0	24.9	28.5	29.1	29.4	29.5	27.0	20.0
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	28.0			27.3		29.0	27.2	26.5	26.4			
Rocky Mountain (PA	(DD IV)			···							***************************************	····
Production	•											
1988	108	104	114	120	130	132	120	125	124	111	121	117
1989	111	105	113	122	123	116	127	130	139	127	130	126
1990	112	124	116	122	132	129	136	137	134	129	130	120
Week Ending			110	,		1 20	100	107	104	123	100	
1990-1991	12/07	12/14	12/21	12/28	04/04	04/44	04/40	04.00	00/04			
1330-1331	12/07	118	114	12/28	01/04 121	01/11 103	01/18 129	01/25 107	02/01 112			
4		and the second second		n nemata	100 0 100 0 100 100 100 100 100 100	one de la constant d			* * * ! •			
Stocks (Million Ba												
1988	3.3	3.2	2.3	2.4	2.9	3.2	3.2	3.0	2.7	2.5	2.7	2.8
1989	2.8	2.7	2.3	2.4	2.8	2.4	2.6	2.6	2.7	2.5	2.8	3.3
1990	3.2	3.2	2.7	2.7	2.9	3.1	3.1	2.5	2.5	2.5	2.8	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	2.7	2.8	2.9	2.9	3.2	3.1	3.0	3.0	3.1			
West Coast (PADD V)											
Production												
1988	407	377	419	439	466	449	427	425	446	424	451	436
1989	426	406	378	434	424	451	465	444	436	436	433	452
1990	425	431	432	419	446	396	414	483	442	438	449	
Week Ending	4.6.46.00	4044			01 /0/	01/11	01/18	01/25	02/01			
Week Ending 1990-1991	12/07 451	12/14	12/21 433	12/28	01/04 480		AAR	ALT				
1990-1991	451	12/14 437	12/21 433	416	489	472	446	457	400			
1990-1991 Stocks (Million Ba	.451 rrels)	437	433	416	489	472			, ., .,			
1990-1991 Stocks (Million Ba 1988	451 rrels) 10.6	437 9.7	433 9.5	4 16 11.3	489 12.8	4 72 12.7	12.3	10.9	12.3	11.6	12.4	12.0
1990-1991 Stocks (Million Ba 1988 1989	451 rrels) 10.6 10.8	437 9.7 10.3	433 9.5 11.1	416 11.3 11.7	489 12.8 11.2	472 12.7 10.6	12.3 11.3	10.9 10.2	12.3 10.7	11.1	11.3	12.0 11.6
1990-1991 Stocks (Million Ba 1988	451 rrels) 10.6	437 9.7	433 9.5	4 16 11.3	489 12.8	4 72 12.7	12.3	10.9	12.3			
1990-1991 Stocks (Million Ba 1988 1989	451 rrels) 10.6 10.8	437 9.7 10.3	433 9.5 11.1	416 11.3 11.7	489 12.8 11.2	472 12.7 10.6	12.3 11.3	10.9 10.2	12.3 10.7	11.1	11.3	
1990-1991 Stocks (Million Ba 1988 1989 1990	451 rrels) 10.6 10.8	437 9.7 10.3	433 9.5 11.1	416 11.3 11.7	489 12.8 11.2	472 12.7 10.6	12.3 11.3	10.9 10.2	12.3 10.7	11.1	11.3	

^a Net production equals gross production minus input. Negative production will occur when the amount of product produced during the month is less than the amount of that same product reprocessed (input) or reclassified to become another product during the same month.

Notes: • Totals may not equal sum of components due to independent rounding. • Sum of PADD's IX, IY, and IZ may not equal PADD I because of independent estimation.

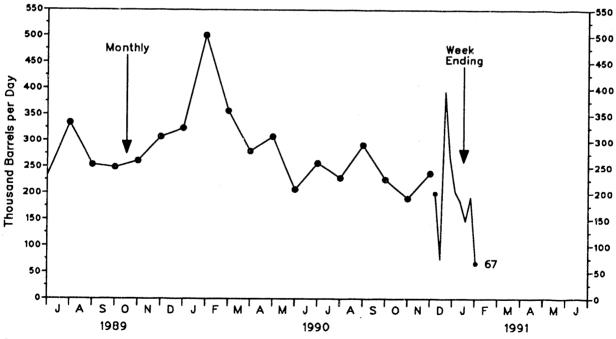
Source: Energy Information Administration, Weekly and Monthly Petroleum Supply Reporting Systems.

Figure 1. U.S. Distillate Fuel Oil Production



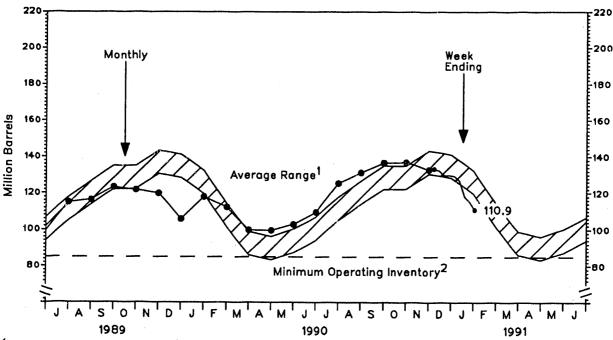
Source: • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Production: Estimates based on weekly data collected on Form EIA-800.

Figure 2. U.S. Distillate Fuel Oil Imports



Source: • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Imports: Estimates based on weekly data collected on Form EIA-804.

Figure 3. U.S. Distillate Fuel Oil Stocks

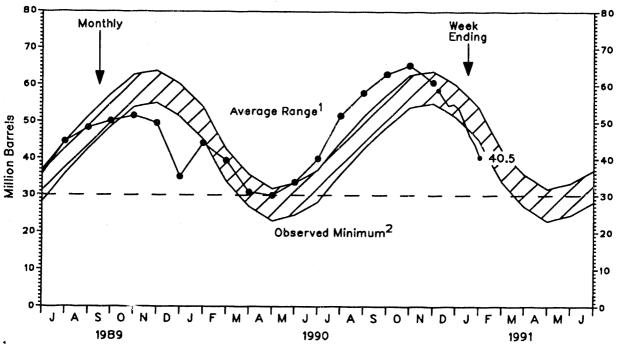


Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

The National Petroleum Council (NPC) defines the Minimum Operating Inventory as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. In its 1988 study, the NPC estimated this inventory level for distillate fuel oil to be 85 million barrels.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 4. PADD I (East Coast) Distillate Fuel Oil Stocks

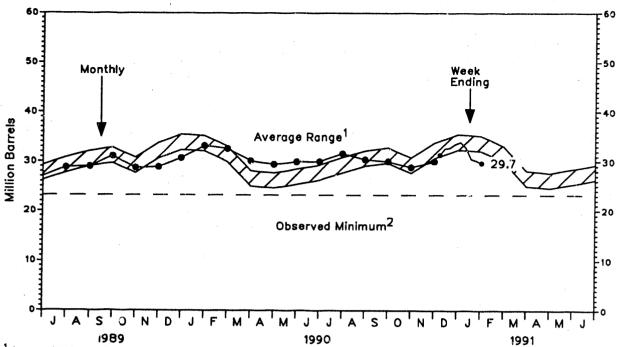


Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

² The Observed Minimum for distillate fuel oil stocks in the last 36 month period was 30.0 million barrels, occurring in April 1988.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 5. PADD II (Midwest) Distillate Fuel Oil Stocks



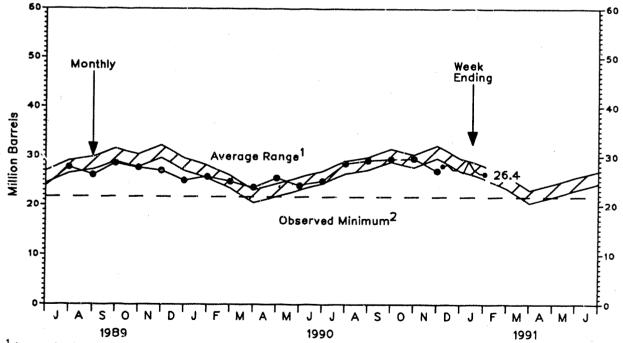
1 Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of

monthly data.

The Observed Minimum for distillate fuel oil stocks in the last 36 month period was 23.3 million barrels, occurring in March 1988.

Energy Intermetion Administration (EIA), Petroleum Supp Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 6. PADD III (Gulf Coast) Distiliate Fuel Oil Stocks



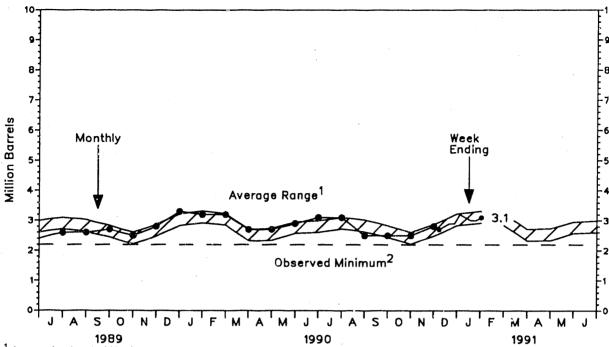
1 Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

The Observed Minimum for distillate fuel oil stocks in the last 36 month period was 21.8 million barrels, occurring in March 1988.

Energy Information Administration (EIA), Petroleum Supplementation (EIA), Petroleum

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on weekly data collected on Forms EiA-800, -801, and -802.

Figure 7. PADD IV (Rocky Mountain) Distillate Fuel Oil Stocks

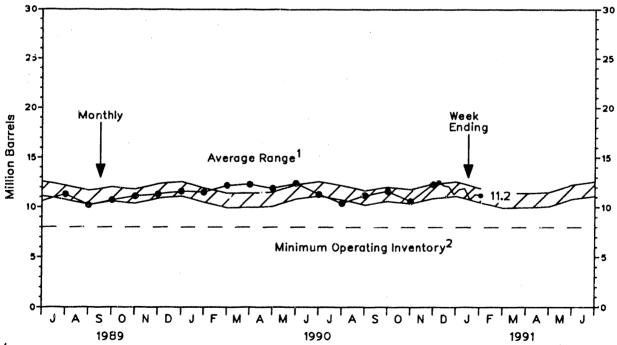


Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

² The Observed Minimum for distillate fuel oil stocks in the last 36 month period was 2.2 million barrels, occurring in March 1989.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Figure 8. PADD V (West Coast) Distillate Fuel Oil Stocks



Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is pased on 7 years of

monthly data.

The National Petroleum Council (NPC) defines the Minimum Operating Inventory as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. In its 1988 study, the NPC estimates this inventory level for distribution system. In its 1988 study, the NPC estimates this inventory level for distribution system.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on weekly data collected on Forms EIA-800, -801, and -802.

Propane

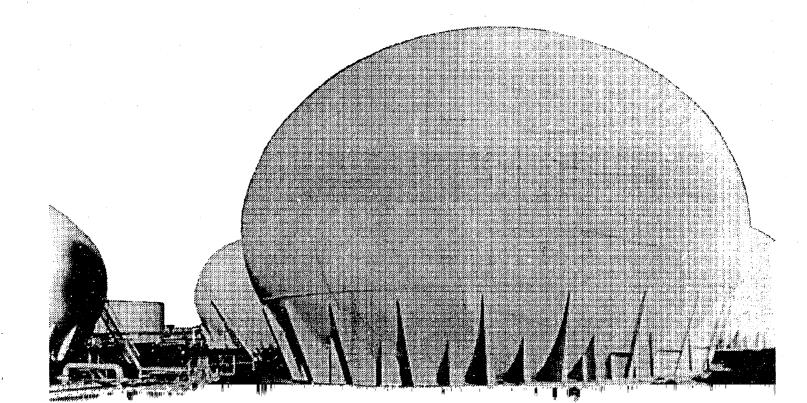


Table 2. Monthly and Weekly Net Production⁸, Imports, and Stocks of Propane^b by Petroleum Administration for Defense Districts (PADD) I, II, and III

(Thousand Barrels per Day, Except Where Noted)

District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total U.S.				L		L.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					L	
Production .												
1988	858	862	857	863	860	832	859	870	861	885	878	877
1989	60 9	862	887	895	887	858	871	847	845	826	847	814
1990	574	914	880	862	848	835	859	880	888	906	902	
mports												
1988	126	138	89	88	79	77	126	120	107	104	112	106
1989	154	140	101	93	80	105	106	106	107	109	108	122
1990	172	147	117	115	135	100	90	110.	76	89	70	
Stocks (Million Barrels)				•								
1988	36.7	31.1	30.0	38.3	46.0	52.2	58.7	63.6	63.1	61.8	59.2	50.4
1989	45.1	36.4	32.3	36.7	43.9	49.6	56.5	60.4	59.0	53.9	48.2	31.5
1990	33.0	32.2	31.1	31.7	35.6	44.0	48.9	52.9	56.2	54.1	53.3	
East Coast (PADD I)												
Production												
1988	55	58	57	47	46	50	54	54	57	57	57	56
1989	60	60	55	54	46	49	52	53	56	53	53	51
1990	59	55	44	46	39	36	40	48	53	43	41	
Week Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E34	E39	E48	^E 53	E66	E47	^E 56	E ₅₁	E56			
mports												
1988	22	48	24	19	18	5	28	17	19	13	29	29
1989	41	37	22	19	16	19	21	4	17	9	23	12
1990	64	49	40	28	31	25	20	4	19	29	19	
Veek Ending		4-1.										
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E10	E8	[⊭] 10	^E 25	EĐ	E45	E10	E10	E ₁₁			
Stocks (Million Barrels)												
1988	2.6	2.5	2.1	2.5	2.9	3.0	3.7	4.7	4.9	4.8	4.9	3.8
1989	3.9	2.9	2.3	2.6	3.0	4.0	4.9	4.8	4.9	4.9	4.8	1.8
1990	2.5	2.7	2.7	3.0	3.2	3.3	3.4	3.4	3.7	4.3	5.0	
Veek Ending	44/											
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E _{5.0}	E _{5.1}	[€] 5.0	E _{5.4}	E _{5.5}	E5.1	E4.7	E4.5	E4,2			

Table 2. Monthly and Weekly Net Production^a, Imports, and Stocks of Propane^b by Petroleum Administration for Defense Districts (PADD) i, ii, and iii (Continued)

(Thousand Barrels per Day Except Where Noted)

law England (DADD												
New England (PADD	1X)			L	<u> </u>			<u> L</u>	-L	J	L	
Production												
1988	0	. 0	0	0	0	0	. 0	0	0	0	r	0
1989	0	0	0	0	Ó	Ö	Ö	ŏ	· ŏ	ŏ	o ,	0
1990	0	0	0	0	. 0	Ö	Ö	. 0	0	. 0	0	U
Veek Ending											_	
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E0	E0	EO.	E0	E ₀	E0	Eo	E0	E0			
mports									ere consulta o			
1988	- 16	30	10	4.5		_						
1989			16	15	8	2	25	9	ii 11 -	8	22	25
	27	27	17	15	8	17	14	, 1	10	5	18	6
1990	42	22	35	21	20	21	1	1 1	12	8	9	
Veek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E3	E3	E ₂	Eg	€2	E38	E ₃	E3	E3			
tocks (Million Barre	(al						11					
1988	0.2	0.4	0.4	^ 4								
1989	0.4			0.4	0.5	0.3	0.4	0.6	0.7	0.3	0.7	0.4
1990		0.2	0.3	0.4	0.2	0.6	0.7	0.4	0.3	0.1	0.3	¥
	0.2	0.1	0.3	0.1	0.2	0.5	0.3	0.1	0.4	0.4	0.6	
eek Ending			i									
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	04/05	00/04			
	^E 0.5	E0.6	E0.6	F0.7	E0.8	E0.6	EC.4	01/25 E _{0.5}	02/01 ^E 0.5			
	5 C C C C C C C C C C C C C C C C C C C	avarance o trader, e se	osoo saaraan . /	o so son or s eguino	V.U	0.0	V.7		TU.D			
andrel 641, Ala (DAE	Ph. 43.0	·····										
entral Atlantic (PAD roduction	(או טי		•									
1988	45	46	45	0.5								1
1989			45	35	34	39	43	42	44	46	47	44
	46	46	42	41	36	40	41	40	43	39	40	39
1990	46	42	32	34	28	29	34	38	41	31	30	
eek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	^E 28	E33	E ₄₂	E47	^E 59	E41	E50	E44	E49			
ports												
1988	5	10	7	4	3	0	•		_			
1989	9	6	5			3	3	3	3	4	5	5
1990	10	23	4	4 7	3	3	3	3	3	4	. 5	6
	10		4	,	5	4	19	3	3 .	18	4	
eek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E8	E ₆	EB	E7	E7	E7	E7	01/25 E7	EB			
ocks (Million Barrel	e)								or the second to			
1988		4.0	0.0	4.5			+					
1989	1.7	1.3	0.8	1.0	1.4	1.8	2.2	2.8	3.0	3.2	2.9	2.4
	2.2	1.7	1.1	1.3	1.6	2.2	2.6	3.0	3.2	3.1	2.6	0.9
1990	1.2	1.7	1.2	1.2	1.4	1.6	1.6	1.9	2.3	2,4	2.3	3.0
ek Ending											.=	
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
1000-1001	14/01											

Table 2. Monthly and Weekly Net Production^a, Imports, and Stocks of Propane^b by Petroleum Administration for Defense Districts (PADD) I, II, and III (Continued) (Thousand Barrels per Day Except Where Noted)

District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ower Atlantic (PADD 1	(Z)	L										
1988	10	13	14	13	13	1 11	12	13	14	12	14	14
1989	14	- 14	. 13	14	9	9	12	12	13	14	13	12
1990	13	13	13	12	11	7	7	10	12	12	11	
Veek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
4	E6	E7	E7	E6	E7	E6	E6	E8	E7			
mports												
1988	5	5	0	3	0	0	0	5	5	3	0	0
1989	4	4	0	0	5	0	4	Ō	4	0	Ō	Ō
1990	11	4	. 0	0	6	0	0	0	4	3	6	_
Veek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E _O	E ₀	€0	E ₁₅	EO	E0	E ₀	E0	EQ			
Stocks (Million Barrels)	l											
1988	0.6	0.8	0.9	1.0	1.0	1.0	1.2	1.2	1.3	1.3	1.4	1.0
1989	1.2	1.1	1.0	1.0	1.2	1.3	1.5	1.4	1.5	1.7	1.9	0.9
1990	1.1	0.9	1.1	1.7	1.5	1.3	1.5	1.3	1.1	1.5	2.0	0.0
/eek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E _{1.9}	E2.0	E2.0	E _{2.1}	E _{2.2}	E2.1	E2.0	E _{1.9}	F1.8			
										,		
Ildwest (PADD II)						•						
1988	192	202	005	004	040	100	405	400	404	400	000	000
1989	214	202 205	205 200	204 204	210 200	190 203	195 202	199 194	194	192 179	200	206
1990		2U0	200	204		2013		1 44	141	1/4	193	197
	014								191			
	214	217	208	201	200	193	206	212	210	206	209	
/eek Ending		217	208	201	200	193	206	212	210			
	214 12/07 E209											
/eek Ending 1990-1991	12/07	217 12/14	208 12/21	201 12/28	200 01/04	193 01/11	206 01/18	212 01/25	210 02/01			
Veek Ending 1990-1991 nports	12/07 ^E 209	217 12/14 E ₂₁ 7	208 12/21 ^E 173	201 12/28 ^E 165	200 01/04 ^E 166	193 01/11 ^E 159	206 01/18 E147	212 01/25 F173	210 02/01 F169	206	209	
/eek Ending 1990-1991 nports 1988	12/07 E ₂₀₉	217 12/14 ¹² 217 78	208 12/21 ^E 173 52	201 12/28 E165 48	200 01/04 E166	193 01/11 E159 60	206 01/18 E147 37	212 01/25 F173 53	210 02/01 E169 68	206 53	209	53
/eek Ending 1990-1991 nports 1988 1989	12/07 E209 80 103	217 12/14 E217 78 84	208 12/21 5173 52 70	201 12/28 	200 01/04 E186 42 49	193 01/11 E159 60 68	206 01/18 E147 37 43	212 01/25 F173 53 55	210 02/01 E169 68 62	206 53 73	209 76 75	53 86
/eek Ending 1990-1991 nports 1988 1989	12/07 E ₂₀₉	217 12/14 ¹² 217 78	208 12/21 ^E 173 52	201 12/28 E165 48	200 01/04 E166	193 01/11 E159 60	206 01/18 E147 37	212 01/25 F173 53	210 02/01 E169 68	206 53	209	
/eek Ending 1990-1991 nports 1988 1989 1990 /eek Ending	12/07 \$209 80 103 80	217 12/14 ¹ 217 78 84 76	208 12/21 E173 52 70 46	201 12/28 E165 48 60 54	200 01/04 F1/66 42 49 62	193 01/11 E159 60 68 39	206 01/18 E147 37 43 35	212 01/25 F173 53 55 44	210 02/01 E169 68 62 31	206 53 73	209 76 75	
reek Ending 1990-1991 nports 1988 1989	12/07 E209 80 103	217 12/14 E217 78 84	208 12/21 5173 52 70	201 12/28 	200 01/04 E186 42 49	193 01/11 E159 60 68	206 01/18 E147 37 43	212 01/25 F173 53 55	210 02/01 E169 68 62	206 53 73	209 76 75	
Veek Ending 1990-1991 nports 1988 1989 1990 Veek Ending 1990-1991	12/07 E209 80 103 80 12/07	217 12/14 E217 78 84 76	208 12/21 12/21 52 70 46 12/21	201 12/28 E165 48 60 54	200 01/04 \$166 42 49 62	193 01/11 E159 60 68 39 01/11	206 01/18 E147 37 43 35	212 01/25 F173 53 55 44 01/25	210 02/01 E169 68 62 31	206 53 73	209 76 75	
/eek Ending 1990-1991 nports 1988 1989 1990 /eek Ending 1990-1991 tocks (Million Barrels)	12/07 E209 80 103 80 12/07 E52	217 12/14 E217 78 84 76 12/14	208 12/21 E173 52 70 46 12/21 E47	201 12/28 E165 48 60 54 12/28	200 01/04 E166 42 49 62 01/04	193 01/11 E159 60 68 39 01/11 E50	206 01/18 E147 37 43 35 01/18	212 01/25 F173 53 55 44 01/25	210 02/01 E169 68 62 31 02/01	53 73 51	209 76 75 37	86
/eek Ending 1990-1991 nports 1988 1989 1990 /eek Ending 1990-1991 tocks (Million Barrels)	12/07 E209 80 103 80 12/07 E52	217 12/14 217 78 84 76 12/14 E59	208 12/21 E173 52 70 46 12/21 E47	201 12/28 E165 48 60 54 12/28 E55	200 01/04 F166 42 49 62 01/04 F43	193 01/11 E159 60 68 39 01/11 E50	206 01/18 E147 37 43 35 01/18 E60	212 01/25 F173 53 55 44 01/25 E35	210 02/01 E169 68 62 31 02/01 E34	206 53 73 51	209 76 75 37	17,4
reek Ending 1990-1991 ports 1988 1989 1990 reek Ending 1990-1991 cocks (Million Barrels) 1988	12/07 E209 80 103 80 12/07 E52	217 12/14 E217 78 84 76 12/14 E59	208 12/21 E173 52 70 46 12/21 E47 10.9 9.1	201 12/28 E165 48 60 54 12/28 E55	200 01/04 \$166 42 49 62 01/04 \$43	193 01/11 E159 60 68 39 01/11 E50	206 01/18 E147 37 43 35 01/18 E60 20.4 19.5	212 01/25 F173 53 55 44 01/25 E35 22.9 20.5	210 02/01 E169 68 62 31 02/01 E34 22.9 19.6	206 53 73 51 21.4 16.8	209 76 75 37 21.1 14.8	86 17.4
/eek Ending 1990-1991 nports 1988 1989 1990 /eek Ending 1990-1991 tocks (Million Barrels) 1988 1989	12/07 E209 80 103 80 12/07 E52	217 12/14 217 78 84 76 12/14 E59	208 12/21 E173 52 70 46 12/21 E47	201 12/28 E165 48 60 54 12/28 E55	200 01/04 F166 42 49 62 01/04 F43	193 01/11 E159 60 68 39 01/11 E50	206 01/18 E147 37 43 35 01/18 E60	212 01/25 F173 53 55 44 01/25 E35	210 02/01 E169 68 62 31 02/01 E34	206 53 73 51	209 76 75 37	86 17.4
/eek Ending 1990-1991 nports 1988 1989 1990 /eek Ending 1990-1991 tocks (Million Barrels) 1988	12/07 E209 80 103 80 12/07 E52	217 12/14 E217 78 84 76 12/14 E59	208 12/21 E173 52 70 46 12/21 E47 10.9 9.1	201 12/28 E165 48 60 54 12/28 E55	200 01/04 \$166 42 49 62 01/04 \$43	193 01/11 E159 60 68 39 01/11 E50	206 01/18 E147 37 43 35 01/18 E60 20.4 19.5	212 01/25 F173 53 55 44 01/25 E35 22.9 20.5	210 02/01 E169 68 62 31 02/01 E34 22.9 19.6	206 53 73 51 21.4 16.8	209 76 75 37 21.1 14.8	86

Table 2. Monthly and Weekly Net Production^a, Imports, and Stocks of Propane^b by Petroleum Administration for Defense Districts (PADD) I, II, and III (Continued)

(Thousand Barrels per Day Except Where Noted)

District/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	De
Guif Coast (PADD III)	······································			-L	L	L		L	<u> L' </u>	L	1	
Production `					•							
1988	512	503	501	518	512	496	513	500	510	500		
1989	532	503	538	545	545	518	523	520	512	533	522	508
1990	497	537	527	521	520			509	507	500	505	468
	731	557	527	521	520	520	526	525	531	559	554	
Week Ending	1											
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01		•	
	E542	E565	E550	E514	E535	E542	E542	E580	E547			
					000000000000000000000000000000000000000		~	~~~				
mports												
1988	10	0	5	16	13	6	57	46	45	00	•	
1989	W	8	ŏ	8	11	13	38		15	30	.0	11
1990	19	17	18	29	38	32		43	20	21	5	13
		.••	10	29	30	32	32	58	22	6	13	
Neek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E ₄	E ₂₂	E ₂₂	E3	E ₃	E ₁₇	E17	E ₁₇	E ₃			
					•	80.000.000. 5 0. 5 0.000.0000000000000000	1.6	1.5	· ·			
Stocks (Million Barrels))											
1988	19.2	16.4	16.3	21.8	26.5	30.4	33.5	04.0	00.0	04.0		
1989	25.1	22,3	20.2	21.7	25.7	27.9		34.8	33.8	34.0	31.8	28.0
1990	18.3	18.2	17.1	16.7			30.8	33.6	33.0	30.8	27.3	19.1
	10.0	, 0,2	17.1	10.7	18.0	23.6	26.4	29.6	30.6	29.5	27.5	
Veek Ending												
1990-1991	12/07	12/14	12/21	12/28	01/04	01/11	01/18	01/25	02/01			
	E26.3	E24.8	E _{25.0}	E21.8	E _{20.7}	E _{21.3}	E19.2	E15.7	E15.4			

^a Net production equals gross production minus input. Negative production will occur when the amount of product produced during the month is less than the amount of that same product reprocessed (input) or reclassified to become another product during the same month.

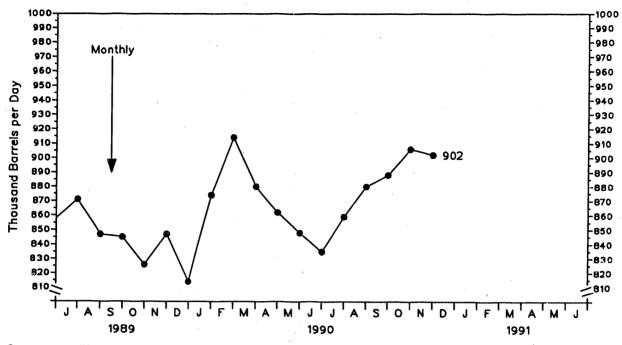
E=Estimated data.

^{*} Less than 50,000 barrels. ** Less than 500 barrels per day. NA=Not available.

Note: • This table presents weekly data, derived from a cut-off sample of refineries and fractionators that produce propane and from companies that import or store propane, which have been extrapolated to the universe of companies reporting in PADD's I, II, and III. • Totals may not equal sum of components due to independent rounding.

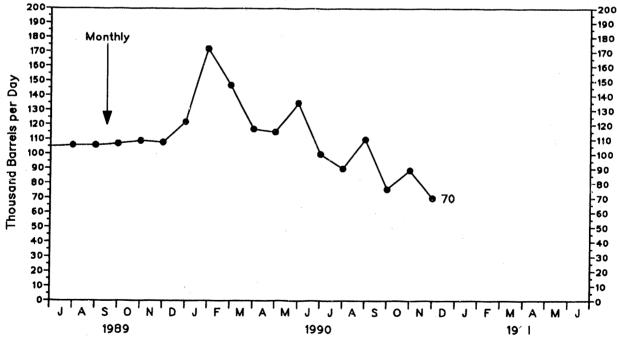
Source: Energy Information Administration (EIA), Monthly Petroleum Supply Reporting System and data collected on Form EIA-807, "Propane Telephone Survey."

Figure 9. U.S. Propane Production



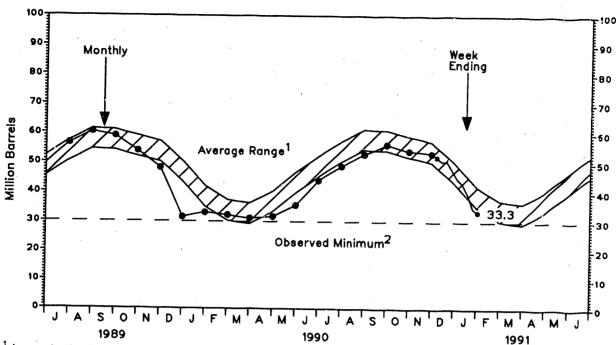
Source: 1989, EIA, Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly.

Figure 10. U.S. Propane Imports



Source: 1989, EIA, Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly.

Figure 11. U.S. Propane Stocks

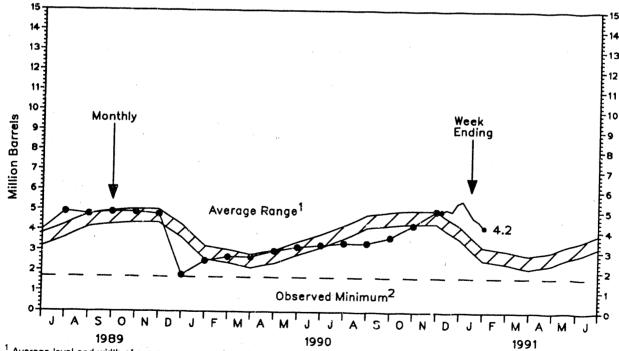


¹ Average level and width of average range rire based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

² The Observed Minimum for propane stocks in the last 36 month period was 30.0 million barrels, occurring in March 1988.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EiA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on data from Table H1.

Figure 12. PADD I (East Coast) Propane Stocks

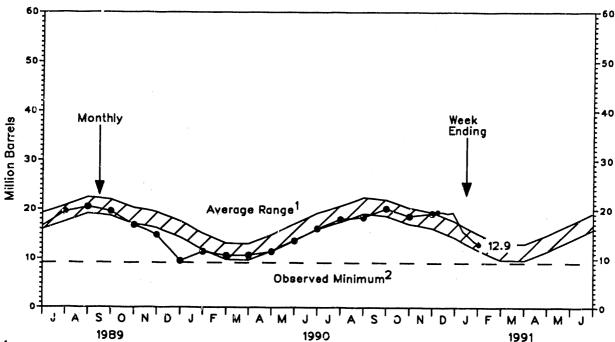


¹ Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

² The Observed Minimum for propane stocks in the last 36 month period was 1.8 million barrels, occurring in December 1989.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on data collected on Form EIA-807, "Propane Telephone Survey."

Figure 13. PADD II (Midwest) Propane Stocks

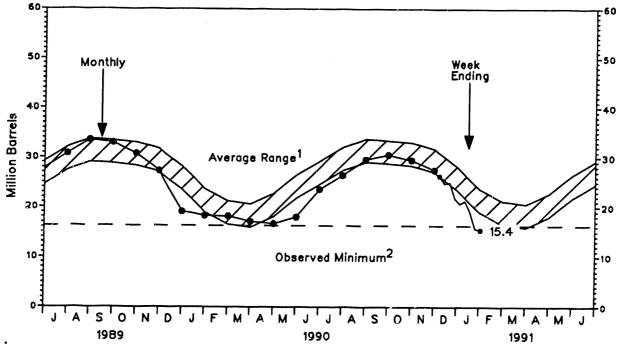


Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

² The Observed Minimum for propane stocks in the last 36 month period was 9.1 million barrels, occurring in March 1989.

Source: • Data for Ranges and Seasonal Patterns: 1983-1989, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Monthly Data: 1989, EIA, Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Week-Ending Stocks: Estimates based on data collected on Form . "77, "Propane Telephone Survey."

Figure 14. PADD III (Gulf Coast) Propane Stocks

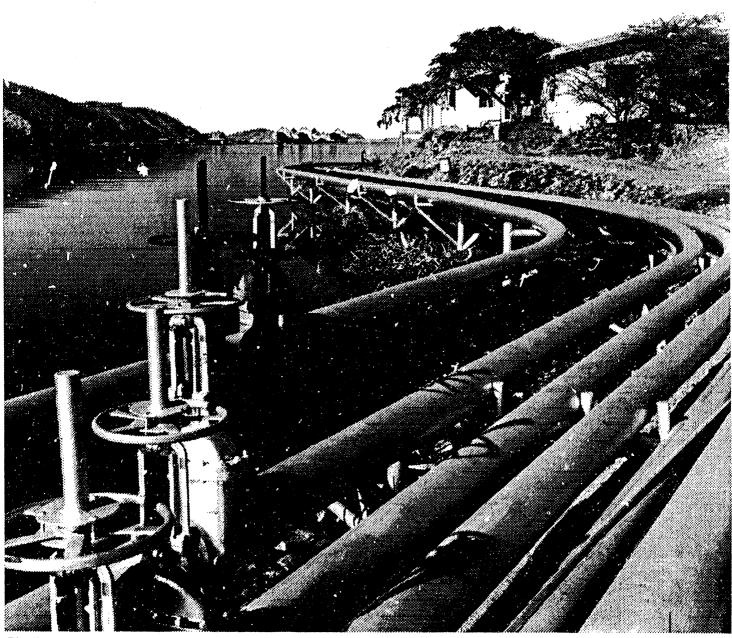


Average level and width of average range are based on 3 years of monthly data: July 1987-June 1990. The seasonal pattern is based on 7 years of monthly data.

² The Observed Minimum for propane stocks in the last 36 month period was 16.3 million barrels, occurring in March 1988.

Source: • Data for Ranges and Seasonal Patterns: 1983-1969, Energy Information Administration (EIA), Petroleum Supply Annual; 1990, EIA, Petroleum Supply Monthly. • Wesk-Ending Stocks: Estimates based on data collected on Form EIA-807, "Propane Telephone Survey."

Natural Gas



Pipeiines carry natural gas across geographic regions.

Table 3. Supply and Disposition of Dry Natural Gas (Billion Cubic Feet)

		Suj	pply			Disposition					
Year and Month	Total Dry Gas Production	Withdrawals from Storage ⁸	Supplemental Gaseous Fuels	Imports	Total Supply/ Disposition ^b	Additions to Storage ⁸	Exports	Consumption ^c .	Unaccounted For ^d		
1984 Total	17,392	2,098	110	843	20,443	2,295	55	17,951	143		
1985 Total	16,382	2,397	126	950	19,855	2,163	55	17,281	356		
1986 Total	15,991	1.837	113	750	18,692	1.984	61	16.221	427		
1987 Total	16,536	1,905	·. 101	993	19,534	1,911	54	17,211	359		
1988											
	1,581	586	12	139	2,318	47	5	2.187	79		
January			11		•	50	5		-64		
February	1,439	462		117	2,029			2,038			
March	1,501	259	10	113	1,883	99	6	1,867	-89		
April	1,374	92	8	96	1,570	165	6	1,464	-65		
May	1,407	46	7	94	1,554	288	4	1,302	-40		
June	1,338	36	7	93	1,474	280	8	1,170	16		
July	1,355	42	7	100	1,504	300	5	1,177	22		
August	1,374	52	7	. 94	1,527	288	6	1,222	11		
September	1,297	46	6	95	1,444	314	7	1,099	24		
October	1,409	92	8	106	1,615	202	6	1,232	175		
November	1,436	159	9	121	1,725	117	7	1,453	148		
December	1,513	397	11	127	2,048	62	9	1,820	157		
Total	17,026	2,270	101	1,294	20,691	2,211	74	18,030	376		
1989	1,532	426	11	119	2,088	53	· · · 7	2.034	-6		
January		614	10	110	2,149	32	7	2,018	92		
February	1,415				,			•			
March	1,500	369	10	113	1,992	106	11	1,956	-81		
April	1,428	138	8	110	1,684	184	11	1,591	- 102		
May	1,447	44	8	108	1,607	326	8	1,359	-86		
June	1,388	20	7	104	1,519	381	9	1,210	-81		
July	1,415	29	8	101	1,553	377	9	1,230	-63		
August	1,404	29	8	108	1,549	362	9	1,226	-48		
September	1,337	39	7	117	1,500	325	9	(,191	- 25		
October	1,403	96	9	123	1,631	225	10	1,347	49		
November	1.461	227	9	123	1.820	105	8	1,578	129		
December	1,514	821	12	145	2,492	52	8	2,164	268		
Total	17,245	2,852	107	1,382	21,586	2,529	107	18,904	46		
4000											
1990	4.005	000	R 11	149	R 2.104	91	8	0.107	R -102		
January	1,605	339					-	2,107			
February	1,426	324	R 9	118	R 1,877	70	8	1,805	R -6		
March	1,513	256	^R 10	115	R 1,894	124	10	1,777	R -17		
April	1,432	140	R 9	122	R 1,703	183	8	1,584	R -72		
May	1,452	45	R 8	108	R 1,613	289	8	1,397	R -81		
June	1,396	42	R 7	114	₹ 1,559	327	9	1,298	R -75		
July	1,397	27	R 8	119	₹ 1,551	325	8	R 1,290	R72		
August	1,410	37	R 8	118	f 1,573	321	8	[#] 1,330	R -86		
September	1,361	36	R 7	120	R 1,524	284	8	R 1,287	R -55		
October	R 1,427	61	R g	R 139	R 1,635	214	8	R 1,412	R 1		
November	E 1,464	144	Rg	R 135	# 1,752	136	8	1,563	R 45		
December	€ 1,538	467	11	148	2,164	72	8	2,035	49		
Total	17.421	1,918	105	1.475	20.938	2.436	99	18,877	-471		

a Monthly and annual data for 1984 through 1989 include underground storage and liquefied natural gas storage. Data for January 1990 forward include underground storage only.

[&]quot;Total" data for 1984 through 1989 do not equal equivalent data in Table 1 of the 1989, Natural Gas Annual due to the exclusion of intransit receipts and deliveries in the *Natural Gas Monthly*.

Consists of pipeline fuel use, lease and plant fuel use, and deliveries to consuming sectors.

d Represents quantities lost and imbalances in data due to differences among data sources. R=Revised data.

E-Estimated data.

Notes: • Data for 1984 through 1989 are final. All other data are preliminary unless otherwise indicated. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding. • Full explanations of all survey processing, estimation procedures, and computations are provided in the publications listed under "Sources."

Sources: Energy Information Administration (EIA), Natural Gas Annual and Natural Gas Monthly.

Table 4. Underground Natural Gas Storage (All Operators)
(Billion Cubic Feet)

Year	Natural Gas In Underground Storage at End of Period			from Sa	Working Gas me Period ous Year	Storage Activity			
and Month	Base Gas	Working Gas	Total ^b	Volume	Percent	injections	Withdrawals	Net ^C	
984 Total*	3,830	2,876	6,706	281	10.8	2.252	2.064	188	
985 Total*	3.842	2.607	6,448	- 270	-9.4	2,128	2,359	-231	
986 Total*	3,819	2,749	6.567	142	5.5				
987 Total*	3,792	2,756	6,548	7	.3	1,952 1,887	1,812 1,861	140 6	
988									
January	3,792	2.228	6,020	-52	-2.3	47	570		
February	3,791	1.827	5,618	-161	-2.3 -8.1	47	578	-531	
March	3,790	1,682				50	456	-406	
		10.0	5,473	- 197	-10.5	99	255	-156	
April	3,790	1,769	5,559	-169	-8.7	162	92	71	
May	3,790	2,027	5,818	-179	-8.1	282	46	236	
June	3,792	2,293	6,085	-144	-5.9	.274	36	238	
July	3,793	2,567	6,359	-69	-2.6	294	42	252	
August	3,791	2,835	6,626	-1		282	52	230	
September	3,791	3,120	6,811	71	2.3	308	46	262	
October	3,792	3,243	7,035	137	4.4	198	92	105	
November	3,803	3,171	6,974	112	3.7	117	157	-40	
December	3,800	2,850	6,650	94	3,4	62	391	-329	
Total				** **	***	2,174	2,244	-69	
989									
January	3,798	2,509	6,307	281	12.6	53	418	-365	
February	3,801	1,994	5,796	168	9.2	32			
March	3,801	1,776	5,578	94	5.8		602	-570	
April	3.801	1,823	5,624	54 54		106	362	-256	
	3,802				3.0	181	138	43	
May		2,062	5,863	34	1.7	321	44	277	
June	3,802	2,374	6,176	82	3.6	375	20	355	
July	3,802	2,644	6,446	77	3.0	371	29	341	
August	3,802	2,938	8,740	103	3.6	356	29	328	
September	3,802	3,187	6,990	67	2.2	320	39	281	
October	3,792	3,268	7,061	25	.8	221	96	124	
November	3,809	3,199	7,008	28	.9	105	223	-118	
December	3,812	2,513	8,325	-337	-11.8	5 2	805	-752	
Total			***	••		2,493	2,804	-311	
990									
January	3,818	2,265	6,083	243	-9.7	91	339	-248	
February	3,814	2,013	5.827	19	.9	70	324	-253	
March	3.818	1,878	5,695	101	5.7	124	256	- 131	
April	3.839	1,932	5,771	109	6.0	183	140		
May	3,823	2,159	5,982	97	4.7	183 289		43	
June	3,844	2,454					45	245	
Juty	3,850		6,297	79	3.3	327	42	285	
		2,747	6,597	103	3.9	325	27	298	
August	3,851	2,995	6,846	57	1.8	321	37	283	
September	3,852	3,267	7,119	80	2.5	284	36	248	
October	3,852	3,426	7,277	158	4.8	214	61	153	
November	3,868	3,417	7,285	218	6.8	136	144	-8	
December	3,868	3,009	6,876	496	19.7	72	467	-395	
Total						2,436	1,918	520	

^a Total as of December 31.

Sources: Energy Information Administration (EIA), Form EIA-191/FERC-8, "Ur.Jerground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," Natural Gas Annual, and Natural Gas Monthly.

b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1984 - 8,043; 1985 - 8,087; 1986 - 8,145; 1987 and 1988 - 8,124; and 1989 - 8,124. Current total capacity is 8,125.

^{8,124;} and 1989 - 8,124. Current total capacity is 8,125.

One Positive numbers indicate the volume of injections in excess of withdrawals. Negative numbers indicate the volume of withdrawals in excess of injections. Notes:

Data for 1984 through 1989 are final. All other data are preliminary unless otherwise indicated.

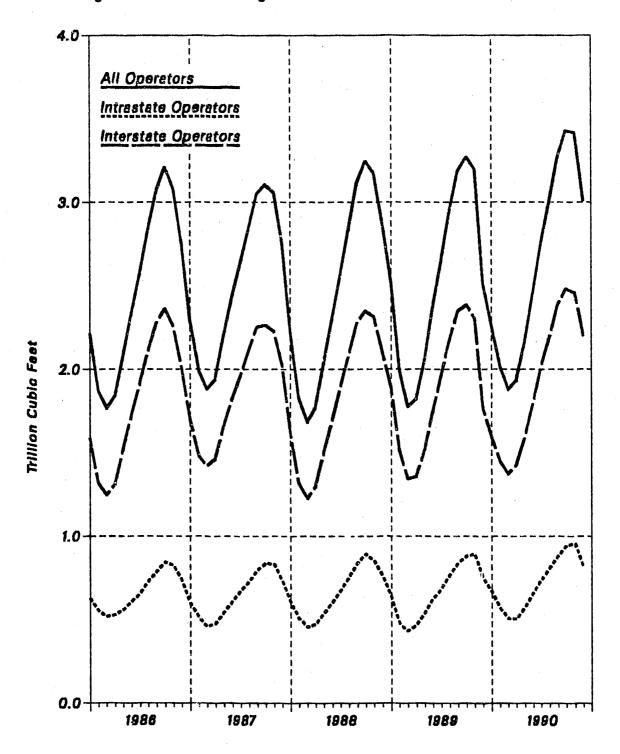
Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs.

Totals may not equal sum of components due to independent rounding.

Geographic coverage is the 50 States and the District of Columbia.

Full explanations of all survey processing, estimation procedures, and computations are provided in the publications listed under "Sources."

Figure 15. Underground Natural Gas Storage in the United States



Source: Energy Information Administration (EIA), Form EIA-191/FERC-8, "Underground Natural Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," *Natural Gas Annual*, and *Natural Gas Monthly*.

Table 5. Natural Gas Consumption by Petroleum Administration for Defense District (PADD)

(Billion Cubic Feet)

PSB Samura Samu			New Eng	gland		Central Atlantic				
January 28	and	Residential	Commercial	Industrial		Residential	Commercial	Industrial	Electric Utilities	
February 27 13 5 0 145 68 48 11 March 24 12 5 0 124 59 48 13 April 18 9 5 1 84 41 40 15 May 12 7 5 2 56 29 39 23 June 7 4 5 6 30 18 35 31 July 5 4 4 4 24 16 33 36 August 4 4 5 5 5 22 17 34 37 September 5 4 5 6 1 48 26 38 10 November 15 9 6 1 48 26 38 10 November 15 9 6 1 48 26 38 10 November 15 9 6 1 48 26 38 10 November 22 11 5 0 117 57 42 3 37 September 22 11 5 0 117 57 42 3 37 September 22 11 5 0 117 57 42 3 37 September 22 11 5 0 117 57 42 3 37 September 22 11 5 0 117 57 42 3 37 September 22 11 5 0 117 57 42 3 3 3 3 3 3 3 3 3	988								4	
February. 27 13 5 0 145 68 46 11 March 24 12 5 0 124 59 46 13 April 18 9 5 1 84 41 40 15 May 12 7 5 2 56 29 39 23 June 7 4 5 6 30 18 35 31 July 5 4 4 4 24 16 33 36 August 4 4 5 5 5 22 17 34 37 September 5 4 5 6 1 48 26 38 10 November 15 9 6 1 48 26 38 10 November 15 9 6 1 48 26 38 10 November 15 9 6 1 48 26 38 10 November 15 9 6 1 80 42 416 210	January	28	13	5	0	156	72	47	7	
March 24 12 5 0 124 59 46 13 April 18 9 5 1 84 41 40 15 May 12 7 5 2 56 20 39 23 Jun 7 4 5 6 30 18 35 31 July 5 4 4 4 24 16 33 38 August 4 4 4 5 5 22 17 34 37 Seplember 5 4 5 1 24 16 34 17 October 8 5 6 1 48 26 38 10 November 15 9 6 1 80 42 47 210 BB9 January 28 14 5 0 146 68 46 4			-							
April 18 9 5 1 84 41 40 15 May 12 7 5 2 56 20 39 23 June 7 4 5 6 8 30 18 35 31 June 7 4 4 5 8 30 18 35 31 June 7 4 4 5 8 30 18 35 31 June 7 5 4 4 4 4 24 16 33 38 August 4 4 4 5 5 5 22 17 34 37 September 5 4 5 1 24 16 34 17 October 8 5 6 1 80 42 16 38 10 November 15 9 6 1 80 42 241 7 7 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 22 11 5 0 117 57 42 3 7 December 24 7 December 25 14 5 8 8 7 December 25 14 5 December 25 15 7 December 25 15 7 December 25 15 15 15 15 15 15 15 15 15 15 15 15 15					-					
May 12 7 5 2 56 20 39 223 31 1 1 5 6 30 18 35 31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					•					
June 7 4 5 6 30 18 35 31 31 June 7 4 4 5 4 4 24 16 33 33 36 Algust 4 4 4 5 5 5 22 17 34 37 33 36 Algust 4 4 4 5 5 5 22 17 34 37 33 36 Algust 5 6 8 1 4 8 26 38 10 Algust 6 8 5 8 1 4 8 26 38 10 Algust 7 5 4 2 3 7 4 2 3 3 7 6 2 2 11 5 0 17 5 7 42 3 3 7 6 2 2 11 5 0 17 5 7 42 3 3 7 6 1 2 4 1 6 1 2 4 1 7 7 6 6 2 1 2 1 2 2 1 2 3 2 3 1 2 4 1 2 2 2 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	·		-		•					
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November		-	•		-					
989 YYD 152 87 60 54 780 422 459 263										
989 YYD 152 87 60 54 780 422 459 263	990 YTD	147	82	71	64	725	408	450	283	
988 YTD 152 82 56 21 790 405 434 208	88 YTD	152	82	56	21	790				

Table 5. Natural Gas Consumption by Petroleum Administration for Defense District (PADD) (Continued) (Billion Cubic Feet)

		I aman Ai	Hamila			DAD	Dintriot I			
		Lower A	tiantic		PAD District I					
Year and Month	Residential	Commercial	Industrial	Electric Utilities	Residential	Commercial	Industrial	Electric Utilities		
988										
January	50	30	34	11	234	115	86	18		
February	48	29	38	9	220	110	89	20		
March	39	24	42	12	186	96	93	25		
	22	17	39	15	124	67	84	30		
April										
May,	13	12	40	17	81	48	85	42		
June	8	10	39	20	45	33	80	57		
July	7	Ð	37	21	36	29	74	61		
August	6	10	40	21	32	30	78	64		
September	7	10	38	16	36	30	77	34		
October	14	13	41	8	. 69	44	84	19		
November	24	17	-39	5	118	67	85	13		
December	40	25	37	7	179	93	84	10		
Total	278	208	464	161	1,359	763	1,000	392		
989										
January	43	27	42	12	218	109	93	16		
February	42	26	39	11	204	104	89	17		
March	35	24	44	15	19 5	102	99	40		
April	23	18	44	17	131	74	95	54		
May	13	13	43	19	81	50	90	56		
	. 8	10	41	21	45	36	85	62		
June	7	10		21	37					
July			39			33	79	63		
August	6	3	41	20	34	32	83	60		
September	7	10	39	20	37	34	82	54		
October	12	.12	44	17	63	45	91	52		
November	24	17	43	14	111	65	92	28		
December	53	29	34	10	231	113	85	15		
Total	275	205	493	196	1,386	799	. 064	513		
990										
January	51.	30	43	12	234	112	92	18		
February	33	23	40	- 13	178	92	89	22		
March	29	21	43	15	165	88	94	37		
April	21	18	40	16	124	71	90	44		
May	11	12	42	18	70	45	85	48		
June	8	10	40	17	47	37	83	49		
July	7	10	43	22	36	35	83	64		
August	7	10	49	22	3 3	35	96	78		
September	7	10	49	21	36	36	95	67		
•	-	10		20	53	44		67		
October	11		53				103			
November	. 22	17	47	-16	105	65	100	46		
990 YTD	208	172	490	191	1,031	660	1,011	538		
989 YTD	222	177	459	186	1,154	686	978	503		
988 YTD	238	. 183	426	154	1,180	670	915	383		

Table 5. Natural Gas Consumption by Petroleum Administration for Defense District (PADD) (Continued) (Billion Cubic Feet)

		PAD Dis	trict ii		PAD District III				
Year and Month	Residential	Commercial	Industrial	Electric Utilities	Residential	Commercial	Industrial	Electric Utilities	
988									
January	377	187	177	17	84	48	245	99	
February	341	174	176	15	73	43	235	86	
March	266	137	170	17	54	34	251	97	
April	173	88	137	16	33	25	222	97	
May	94	53	128	17	19	18	225	119	
June	53	36		25	15	16			
	43	36	121				220	137	
July			114	28	14	17	225	160	
August	40	36	119	32	13	17	251	179	
September	45	34	119	18	. 13	14	229	133	
October	109	61	134	16	16	18	224	98	
November	182	96	149	-15	27	20	235	93	
December	284	143	165	18	55	36	245	76	
Total	2,005	1,081	1,709	234	418	305	2,807	1,373	
989									
January	318	157	171	17	66	40	254	74	
February	328	162	171	17	72	. 41	246	92	
March	286	144	172	17	60	37	250	103	
April	180	90	150	20	. 33	26	249	107	
May	105	54	135	23	19	19	244	132	
June	54	34	123	21	15	17	249	122	
July	45	32	120	27	14	19	254	150	
August	42	33	120	26	13	17	258	156	
September	54	34	121	19	14	• • •			
	105	5 6				15	249	121	
October			139	17	18	17	255	111	
November	193 371	99 17 6	155 178	16 19	32 75	23 41	279 295	86 99	
Total	2,083	1,072	1,758	238	431	311	3,083	1,354	
990	•						*1***	.,	
	314	170	474	40	400	£4	0.57	**	
January	264	137	171	16	102	51	257	73	
February		,	155	14	63	37	234	63	
March	222	120	158	17	56	36	265	89	
April	165	90	146	16	40	30	286	94	
May	98	53	136	20	26	24	307	131	
June	55	35	123	27	20	25	286	168	
July	44	37	124	29	17	25	275	1,60	
August	43	35	126	31	1.7	21	298	171	
September	50	35	130	29	17	19	280	145	
October	102	58	144	21	22	20	303	118	
November	168	90	154	14	39	26	276	90	
990 YTD	1,522	859	1,568	236	420	315	3,067	1,302	
989 YTD	1,712	897	1,578	220	356	269	2,787	1,255	

Table 5. Natural Gas Consumption by Petroleum Administration for Defense District (PADD) (Continued)
(Billion Cubic Feet)

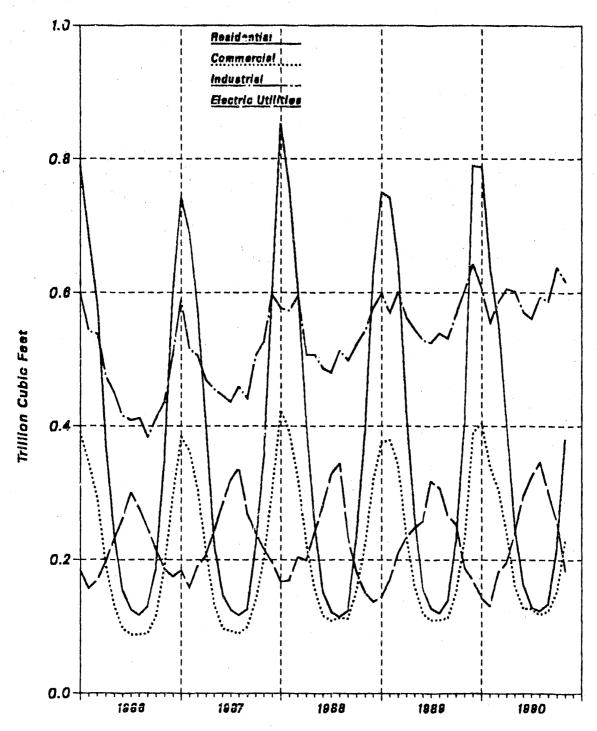
## Month 988		27 25 20 14 9 6 4 4 5 7	19 19 18 17 16 16 14 14 15 18 18	Electric Utilities	112 81 60 47 50 31 25 24	47 39 34 29 30 27 22	51 55 65 47 53 53	Electric Utilities 31 48 64 56 61
January February March April May June July August September October November December Total 24 988 January February March April May June July August September October November December Total 24 989 January February April May June June June June June June June June		25 20 14 9 6 4 4 5 7	18 17 16 16 14 14 15 18 18	0 1 1 1 1 2 2	81 60 47 50 31 25 24	39 34 29 30 27 22	55 65 47 53 53	48 64 56 61 60
January		25 20 14 9 6 4 4 5 7	18 17 16 16 14 14 15 18 18	0 1 1 1 1 2 2	81 60 47 50 31 25 24	39 34 29 30 27 22	55 65 47 53 53	48 64 56 61 60
February March April May June July August September October November December Total 24 988 January February March April May June June Juny August September Cotober November December Total 24 989 989 January February April May June June June June June June June June		25 20 14 9 6 4 4 5 7	18 17 16 16 14 14 15 18 18	0 1 1 1 1 2 2	81 60 47 50 31 25 24	39 34 29 30 27 22	55 65 47 53 53	48 64 56 61 60
March		20 14 9 6 4 5 7	17 16 16 14 14 15 18 18	1 1 1 1 2 2	60 47 50 31 25 24	34 29 30 27 22	65 47 53 53	64 56 61 60
April		14 9 6 4 4 5 7	16 16 14 14 15 16	1 1 1 2 2 1	47 50 31 25 24	29 30 27 22	47 53 53	56 61 60
May June July August September October November December Total 24 889 January February March April July August September October November June July August September October November December Total 24 889 January June July August September October November July August September October November Jecember Total 24 890 January 46 690 January 47 691 692 694 696 697 698 698 698 699 698 698		9 6 4 4 5 7	16 14 14 15 16 16	1 1 2 2 1	50 31 25 24	30 27 22	53 53	61 60
June July August September October November December Total 24 389 January April May June July August September Cotober November 24 389 389 January 45 46 47 47 48 48 48 48 48 48 48 48		6 4 4 5 7 12	14 14 15 18 18	2	31 25 24	27 22	53	60
July August September October November December Total 389 January February March August September Cotober November July August September Cotober November December Total 24 290 January February August September October November December Total 24 290 January August September August		4 4 5 7 12	14 15 16 16	2	25 24	22		
August September October December Total 24 989 January February March April May June Juty August September October November Total 24 990 January February August September Cotober November December Total 24 990 January 45 46 990 January 47 48 490 490 491 494 494 494 497 497 498 498 499 499		4 5 7 12	15 16 16 16	2	24		53	70
September October October November November 24 989 January January 4 February 4 March 5 April 2 May 1 June July August September October 1 November 2 December 3 Total 24 990 January 4 February 3 March 3 April 2 May 1		5 7 12	16 16 16	1				73
October November December Total 26 989 January 4 February 4 March 5 April 9 June 7 November 7 December 7 Total 26 980 January 7 January 8 January 9 Ja		7 12	16 16	•		26	50	6 8
November 24 December 24 989 January 4 February 4 4 March 3 4 April 2 4 May 3 3 June 3 3 June 3 3 Juny 4 4 August 5 5 September 0 0 October 1 1 November 2 1 December 3 2 990 January 4 February 3 4 March 3 4 April 2 4 May 1 3		12	16	1	24	30	53	48
December 24 989 January 4 February 4 March 5 April 2 May 1 June 3 June 3 June 3 June 3 August 5 September 0 October 1 November 1 December 3 Total 24 990 January 4 February 3 March 3 April 4 May 1				•	29	27	64	48
Total 24 989 January 4 February 4 March 3 April 2 May 3 June 3 June 3 June 4 June 3 June 4 September 5 October 1 November 1 December 3 Total 24 990 January 4 February 3 March 3 April 2 May 1		20	177	- 1	47	29	57	29
989 January February March April May June June July August September October November December Total 990 January February Agril Ag	ı		17	2	80	29	66	32
January		152	194	15	610	370	672	622
February								
March		25 '	20	2	109	45	60	37
April		25	19	1	97	47	44	42
April		21	19	1	69	37	61 '	48
May June Jury Jury August September October 1 November 2 December 3 Total 24 990 January 4 February 3 March 3 April 2 May 1		14	17	1	48	30	52	50
June		8	15	i	37	27	59	37
July		ė	15	Ò	32	29	58	54
August September October 1		4	13	1	26	22	59	78
September 0 October 1 November 2 December 3 Total 24 990 3 January 4 February 3 March 3 April 2 May 1		4	18	i	26	23	62	68
October 1 November 1 December 2 Total 24 990 January 4 February 3 March 3 April 2 May 1		5	15		28	25	65	70
November 1 December 2 Total 24 990 3 January 4 February 3 March 3 April 2 May 1		7	17	1	33	25 27	67	70 72
December 3 Total 24 990 January 4 February 3 March 3 April 2 May 1		12	17	;	50			
990 January 4 February 5 March 5 April 2 May 1		20	18	1	79	33 40	60 65	56 36
January 4 February 3 March 3 April 2 May 1		152	201	12	633	385	713	646
February 3 March 3 April 2 May 1								
February 3 March 3 April 2 May 1		25	20	0	98	47	66	35
March		22	18	ŏ ·	93	51	58	32
April		19	18	1	76	41	52	38
May 1		14	17	1	47	33	67	41
		10	16	1	38	27 ·	57	39
		6	17		38 30			
		4	15	1		24	62	30
		4	17	!	26	27	64	71
		4		1	25	24	57	67
		•	16	Ţ	26	29	66	58
October 1 November 1		7 12	20 20	1	- 31 51	25 36	68 67	49 34
990 YTD 20		128	194	9	541	365	684	516
989 YTD		132	183	11 '	554	345		
988 YTD 20		132	177	12	530	345 341	647 607	610 590

procedures, and computations are provided in the publications listed under "Sources."

Sources: Energy Information Administration (EIA), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759. "Monthly Powe. Plant Report," Natural Gas Annual and Natural Gas Monthly.

Notes: • Data for 1984 through 1939 final. All other data are preliminary unless otherwise indicated. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding. • Full explanations of all survey processing, estimation procedures, and computations are provided in the publications listed under "Sources."

Figure 16. Natural Gas Deliveries to Consumers



Sources: Energy Information Administration (EIA), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," *Natural Gas Annual* and *Natural Gas Monthly*.

Prices



Table 6. Residential Heating Oil Prices by Region and State (Cents per Gallon)

		1989/1990 Heating Season								
Region/State	October	November	December	January	February	March				
\verage	86,6	90.4	92.8	134.4	102.9	97.				
 Application and the Children Proposition of Services Conf. (Sept.) 	eregge () an good gare was reasoned by the same of th	na ek se sanatana ari-taritaria paratana kanasa kanasakan	POLY SERVICE THE TAY I HAVE							
1			**************************************	142.2	108.1					
ast Coast (PADD I)	a a sa	92.4 94.7	94.8 96.7	142.2 146.5	106.1 109.0	100.				
	88.1	92.4	94.8		106.1 109.0 108.0					

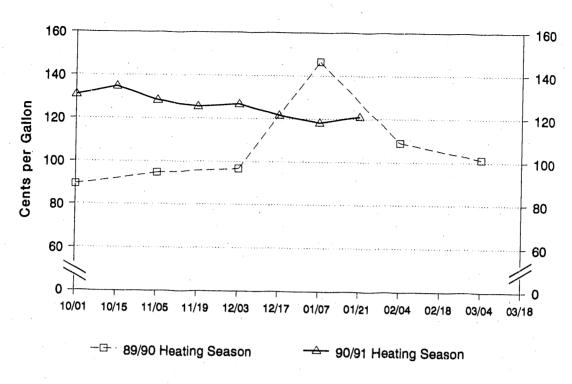
					1990)/91 Hea	ting Se	ason				
Region/State	10/01	10/15	11/05	11/19	12/03	12/17	01/07	01/21 ^P	02/04	02/18	03/04	03/18
Average	128.0	132,1	130.2	128.7	128.5	124.1	120.3	122.4			ļ.,	
East Coast (PADD I)	129.6	133.6	131.8	130.1	130.4	126.8	123.0	125.2				
New England (PACJ IX)	130.7	134.8	128.3	125.4	126.7	121.6	118.2	121.0	1			
Connecticut	128.9	135.6	135.5	132.6	133.1	128.1	125.4	126.9				
Maine	127.7	131.4	118.4	112.4	116.0	106.6	108.6	111.9			.*	
Massachusetts	133.8	136,2	126.3	124.3	125.3	122.2	116.0	120.5				
New Hampshire	129.2	132.2	127.6	124.7	126.1	116.6	114.8	117.6				
Rhode Island	131.3	134.0	130.3	129.3	130.4	124.9	123.2	124.0				
Vermont	125.5	132.7	131.1	130.5	128.6	126.0	122.4	121.0				
Central Atlantic (PADD I	Y) 129.4	133,1	133.7	132.7	132.5	129,7	125.9	128.0				
Delaware	123.0	130.3	126.4	124.2	124.6	118.7	116.9	118.6				
District of Columbia	126.4	135.0	135.6	135.1	136.1	132.4	128.8	128.2				
Maryland	126.9	131.8	130.8	129.4	130.0	125.7	123.2	124.4				
New Jersey	131.7	137.7	136.0	134.1	134.6	128.8	127.2	129.6				
New York	134.1	136.5	139.0	138.4	136.7	136.6	131.7	133.6				
Pennsylvania	121.5	126.8	125.3	124.3	125.3	120.3	117.4	119.6				
Lower Atlantic (PADD IZ)	126.7	132.5	129.6	127.4	126.7	121.3	118.3	118.1				
North Carolina	125.7	130.7	127.9	126.0	124.3	120.1	117.8	118.4				
Virginia	127.7	134.6	131.7	129.1	129.3	122.7	118.9	117.9				
Midwest (PADD II)	119.9	125,9	123.2	121.9	119.8	111.4	107.3	109.6				
Illinois	121.1	126.5	120.8	118.9	116.9	107.7	103.3	105.3				
Indiana	123.2	129.5	123.0	123.0	120.2	110.2	107.2	111.2				
lowa	116.9	120.3	118.6	117.3	113.4	107.0	96.6	100.2				
Michigan	125.9	129.6	127.8	126.1	122.4	115.2	110.4	113.0	r			
Minnesota	116.7	124.3	124.5	124.2	122.5	112.8	108.9	111.8				
Ohio	122.4	128.7	124.8	120.7	120.2	113.2	107.6	108.4				
Wisconsin	115.8	122.0	120.1	119.8	117.7	109.5	107.6	109.3				

P=Preliminary data.

NA=Not available.

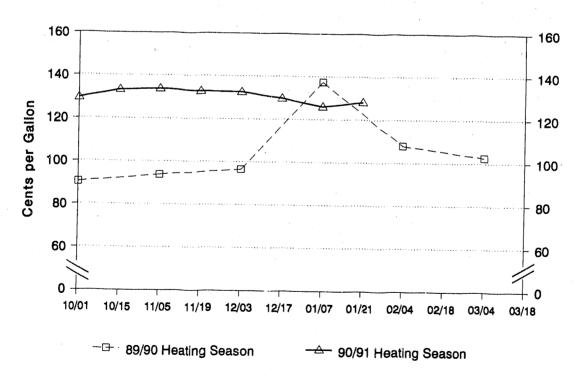
Source: Based on data collected by State Energy Offices.

Figure 17. Residential Heating Oil Prices, New England



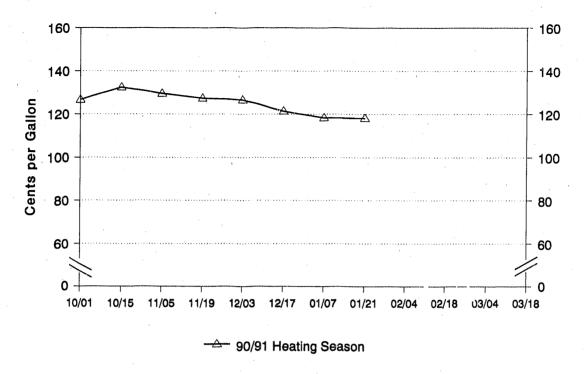
Source: Based on data collected by State Energy Offices.

Figure 18. Residential Heating Oil Prices, Central Atlantic



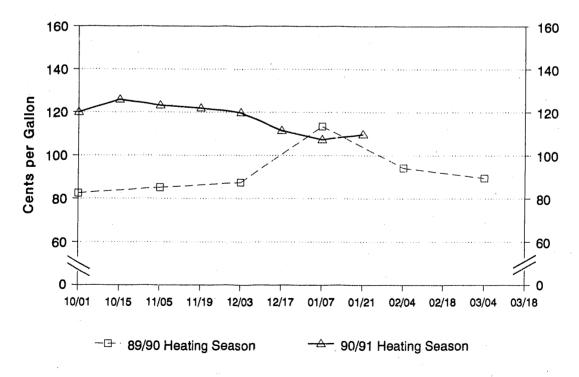
Source: Based on data collected by State Energy Offices.

Figure 19. Residential Heating Oil Prices, Lower Atlantic



Source: Based on data collected by State Energy Offices.

Figure 20. Residential Heating Oil Prices, Midwest



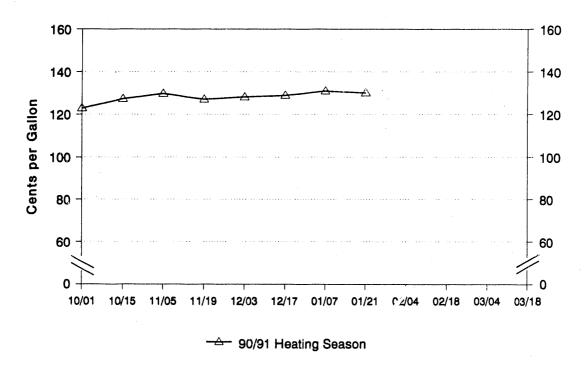
Source: Based on data collected by State Energy Offices.

Table 7. Residential Propane Prices by Region and State (Cents per Gallon)

					1990)/91 Hea	ting Sea	ason				
Region/State	10/01	10/15	11/05	11/19	12/03	12/17	01/07	01/21 ^P	02/04	02/18	03/04	03/18
Average	102.9	108.3	105.5	104.0	103.4	99.0	99.8	99.6	maning of he of the Committee Annual Committee on the Section of t		The second secon	1
East Coast (PADD I)	125.3	129.5	128.8	128.0	127.9	126.1	127.1	126.6				
New England (PADD IX)	122.8	127.2	129.7	127.0	128.1	128.8	130.9	129,1				
Connecticut	129.5	128.8	135.1	126.8	116.7	124.1	122.0	121.4				
Maine	119.9	121.6	127.4	123.7	128.2	128.1	138.3	133.6				
Massachusetts	122.8	129.4	132.2	132.5	132.6	131.0	130.7	126.8				
New Hampshire	126.5	130.2	130.8	121.7	123.9	130.1	129.1	128.7				
Rhode Island	131.8	134.4	139.9	141.2	138.5	137.9	141.5	145.2				
Vermont	118.4	127.2	124.4	125.7	128.3	127.8	128.1	129.0				
Central Atlantic (PADD IY)	134.4	138.9	137.5	137.1	137.3	135.5	134.5	135.7				
Delaware	123.4	132.2	130.0	129.8	129.2	127.1	127.1	126.8				
Maryland	125.9	133.4	135.2	137.2	137.5	136.5	136.4	137.4				
New Jersey	129.8	141.0	137.4	137.8	137.8	135.4	134.9	136.9				
New York	143.8	145.1	142.3	141.5	142.0	142.6	140.4	141.6				
Pennsylvania	115 🤄	128.5	124.7	125.4	125.4	122.6	122.4	120.1				
Lower Atlantic (PADD IZ)	121,9	125.8	122.2	123.0	121.5	115.5	117.8	118.4				
North Carolina	121.3	126.1	121.2	121.4	119.9	112.1	117.3	117.4				
Virginia	122.8	125.1	124.5	127.1	125.7	123.0	119.1	120.8				
Midwest (PADD II)	93.1	97.9	94,5	92.4	91.5	86.3	86.5	86.7				
Illinois	92.7	94.8	90.6	89.9	86.7	82.1	83.5	83.8				
Indiana	92.7	99.5	99.3	99.4	99.1	95.8	96.7	95.8				
lowa	80.7	84.1	78.3	75.9	73.7	68.4	67.5	66.7				
Kansas	80.0	85.6	80.9	79.4	75.3	67.0	67.6	67.8				
Michigan	99.8	106.3	104.0	105.0	104.5	103.3	101.6	102.0				
Minnesota	101.6	102.1	97.1	93.6	94.4	87.1	86.5	89.6				
Missouri	90.1	95.8	92.4	88.8	87.5	83.5	82.4	81.4				
Nebraska	73.0	80.5	76.3	75.2	72.7	67.1	67.5	66.5				
North Dakota	77.8	82.2	79.5	78.9	78.5	72.8	75.8	77.0				
Ohio	117.3	128.2	123.1	122.2	120.4	118.2	122.0	125.1				
South Dakota	74.3	78.8	76.8	75.9	75.2	71.7	71.5	70.6				
Wisconsin	97.7	101.6	100.4	97.2	98.3	91.1	91.9	90.6				

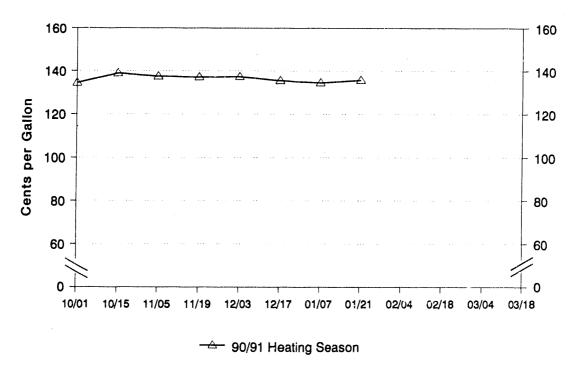
P=Preliminary data.
Source: Based on data collected by State Energy Offices.

Figure 21. Residential Propane Prices, New England



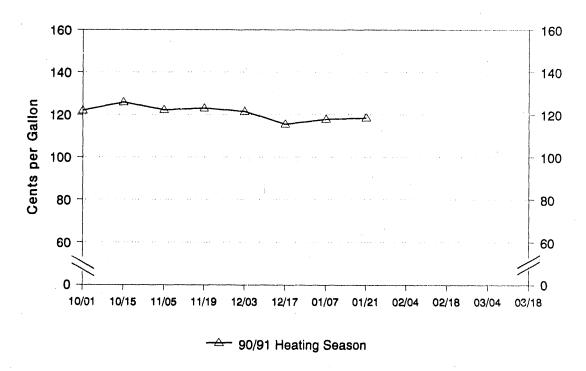
Source: Based on data collected by State Energy Offices.

Figure 22. Residential Propane Prices, Central Atlantic



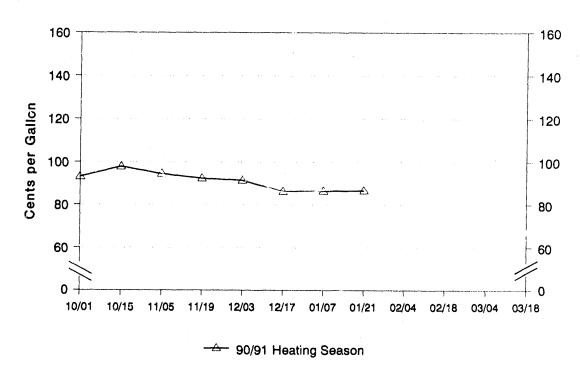
Source: Based on data collected by State Energy Offices.

Figure 23. Residential Propane Prices, Lower Atlantic



Source: Based on data collected by State Energy Offices.

Figure 24. Residential Propane Prices, Midwest



Source: Bised on data collected by State Energy Offices.

Table 8. Wholesale Heating Oil Prices by Region and State (Cents per Gallon)

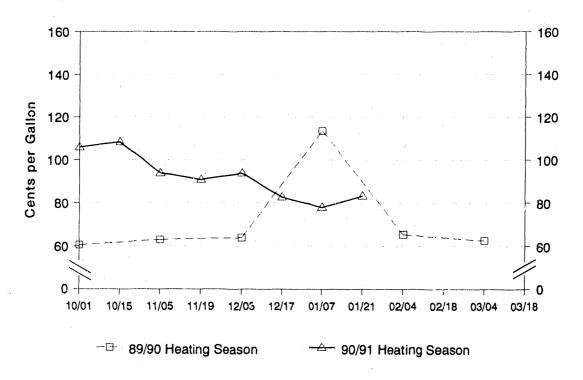
			1989/1990 Hea	iting Season		
Region/State	October	November	December	January	February	March
	and the control of th	estimo nos seconocidos de parecia procede montros	adridano consecutor di consecutor e con consecutor del			600 (1866) 800 (186 <u>1</u>) <u>1</u> . 186
Average	59,3	62.1	62.6	102.5	61,9	60.
	-0.0	,				
ast Coast (PADD I)	59.0	61.9	62.4	107.2	63.7	60.8
Fast Coast (PADD I) New England (PADD IX)	59.0 60.6	61.9 63.1	62.4 64.0	107.2 113.5	63.7 65.4	60. 8 62.6
East Coast (PADD I)	59.0	61.9	62.4	107.2	63.7	60.8

					1990	/91 Hea	ting Sea	ason				
Region/State	10/01	10/15	11/05	11/19	12/03	12/17	01/07	01/21 ^P	02/04	02/18	03/04	03/18
Average	103.6	106.8	93.8	89.9	91.9	79.7	76.0	79.0				······
East Coast (PADD I)	104,1	106.8	93.0	89.2	92.3	80.8	77,0	80.4				
New England (PADD IX)	105.9	108.4	93.9	90.8	93.8	82.7	77.9	83,1				
Connecticut	105.6	108.2	93.3	90.3	93.4	82.8	78.3	82,2				
Maine	105.7	109.1	94.6	90.8	94.2	82.0	77.9	83.0				
Massachusetts	106.6	108.5	94.2	91.9	94.7	83.4	78.2	84.8				
New Hampshire	104.5	107.2	94.5	90.0	92.4	83.1	77.8	80.4				
Rhode Island	105.2	108.0	92.7	88.7	91.8	80.6	76.0	80.2				
Vermont	104.6	109.6	95.7	90.2	92.5	83.5	78.0	83.5				
Central Atlantic (PADD IY) 103.2	106.1	92.7	88.6	91.9	80.3	77.0	79.8				
Delaware	101.5	105.7	90.8	87.6	90.0	78.1	74.4	79.5				
District of Columbia	103.8	106.3	90.8	86.2	90.8	79.8	74.2	75.9				
Maryland	102.5	105.7	92.1	88.2	90.8	79.4	75.5	76.2				
New Jersey	102.4	105.5	91.9	88.0	91.5	79.8	76.6	79.6				
New York	104.5	106.7	93.5	89.2	92.7	81.6	78.5	81.9				
Pennsylvania	103.1	106.4	93.4	89.3	92.2	80.1	76.4	78.7				
Lower Atlantic (PADD IZ)	103.5	105.7	92.0	87.6	90.1	77.8	74.6	75.3				
North Carolina	103.4	105.4	91.9	87.4	90.2	77.6	74.7	75.6				
Virginia	103.5	105.9	92.1	87.7	90.1	78.0	74.5	75.0				
Midwes: (PADD II)	102.2	107.0	96.6	92.0	90.4	76.2	72.7	74.4				
Illinois	102.1	106.1	95.9	90.4	89.7	75.1	72.8	74.3				
Indiana	103.1	106.3	94.1	89.4	89.4	77.0	73.3	73.2				
lowa	102.7	107.2	98.3	93.5	90.3	74.8	70.8	75.1				
Kansas	103.7	106.8	96.7	92.6	90.0	73.3	68.3	73.3				
Michigan	100.1	105.8	97.1	91.9	90.6	77.0	73.0	73.1				
Minnesota	102.1	107.3	97.0	92.4	89.8	74.7	71.2	74.7				
Missouri	103.6	106.8	95.9	91.1	89.4	74.4	70.4	74.0				
Nebraska	103.7	107.3	97.4	93.7	90.3	74.4	69.8	74.0				
North Dakota	102.3	107.6	98.9	96.4	93.0	77.2	73.7	77.5				
Ohio	102.2	108.5	97.7	94.2	92.8	79.2	75.5	75.6				
South Dakota	103.9	107.7	99.8	97.0	94.1	79.3	74.8	77.2				
Wisconsin	102.0	107.5	95.7	90.6	89.1	75.0	72.4	74.9				

P=Preliminary data.

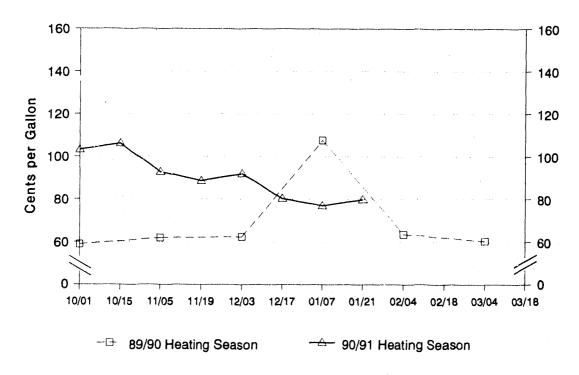
Sources: The 1989/90 heating season data are based on quotes at representative terminal locations as published in the *U.S. Oil Week*. The 1990/91 heating season data are based on terminal quotes collected by the Computer Petroleum Corporation, Inc.

Figure 25. Wholesale Heating Oil Prices, New England



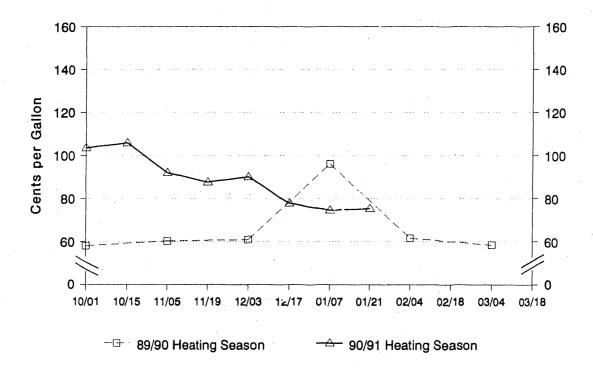
Sources: The 1989/90 heating season data are based on quotes at representative terminal locations as published in the *U.S. Oil Week.* The 1990/91 heating season data are based on terminal quotes collected by the Computer Petroleum Corporation, Inc.

Figure 26. Wholesale Heating Oil Prices, Central Atlantic



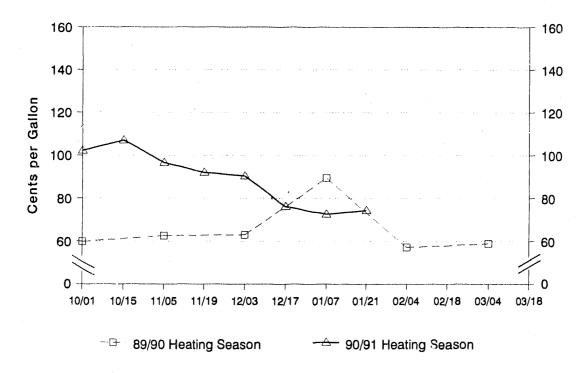
Sources: The 1989/90 heating season data are based on quotes at representative terminal locations as published in the U.S. Oil Week. The 1990/91 heating season data are based on terminal quotes collected by the Computer Petroleum Corporation, Inc.

Figure 27. Wholesale Heating Oil Prices, Lower Atlantic



Sources: The 1989/90 heating season data are based on quotes at representative terminal locations as published in the *U.S. Oil Week.* The 1990/91 heating season data are based on terminal quotes collected by the Computer Petroleum Corporation, Inc.

Figure 28. Wholesale Heating Oil Prices, Midwest



Sources: The 1989/90 heating season data are based on quotes at representative terminal locations as published in the *U.S. Oll Week.* The 1990/91 heating season data are based on terminal quotes collected by the Computer Petroleum Corporation, Inc.

Table 9. Wholesale Propane Prices by Region and State (Cents per Gallon)

			1989/1990 Hea	ting Season		
Region/State	October	Nov⊲mber	December	January	February	March
Average	26.0	26.0	41.4	66.0	34.0	27.2
skaleña	27.0	£ 5.4	71.7	DOIG	47,4	£1.6
_	28.9	28.9	39.3	62.7	42.0	
ast Coast (PADD I)					***************************************	32.8 NA
East Coast (PADD I) New England (PADD IX) Central Atlantic (PADD IY)	28.9	28.9	39.3	62.7	42.0	32,8

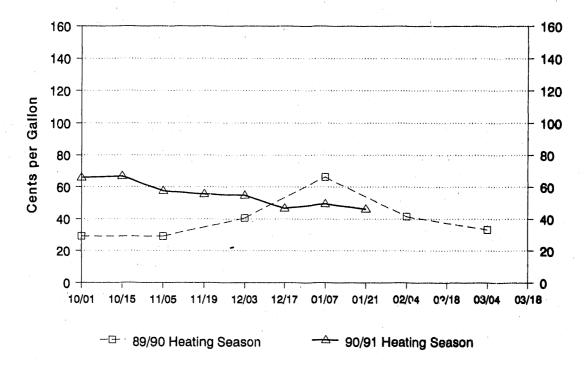
					1990	/91 Hea	ting Sea	ason				
Region/State	10/01	10/15	11/05	11/19	12/03	12/17	01/07	01/21 P	02/04	02/18	03/04	03/18
Average	63.4	65,0	54.6	51.0	50.3	40.6	43.9	39.2		L.	<u></u>	
East Coast (PADD I)	64.8	66.5	57.0	55.3	54.2	45.7	48.3	45.5				
Central Atlantic (PADD IY)	65.9	66.7	67.5	55.5	54.8	46.7	49.5	46.2				
New York	66.2	67.3	57.8	56.0	55.4	47.1	50.0	47.3				
Pennsylvania	65.6	66.3	57.2	55.1	54.3	46.4	49.1	45.3				
Lower Atlantic (PADD IZ)	NA	NA	NA	NA	NA	NA	NA	NA				•
North Carolina	63.3	66.2	56.2	54.9	53.4	44.3	46.6	44.R				
Midwest (PADD II)	0.58	64.6	54,1	50.0	49.4	39,3	42.7	37.6				
Illinois	64.9	66.1	55.3	50.3	49.6	39.4	42.3	34.8				
Indiana	64.1	65.0	56.0	53.2	53.1	44.2	47.0	42.8				
lowa	64.1	65.3	54.3	49.3	49.4	38.3	41.6	35.6				
Kansas	60.3	63.2	52.0	47.3	47.2	36.5	39.6	34.2				
Minnesota	62.4	62.9	53.4	49.9	46.4	39.2	42.3	35.9				
Missouri	64.5	64.7	53.0	48.7	48.8	38.6	42.7	41.6				
Nebraska	66.8	65.2	54.2	49.3	50.0	38.1	41.7	35.9				
North Dakota	56.7	60,4	53.3	52.9	49.6	38.9	44.0	41.6				
Ohio	64.3	65.5	56.4	54.3	53.3	45.0	47.8	44.8				
South Dakota	62.7	65,6	54.7	50.4	50.0	38.5	42.3	35.7				
Wisconsin	63.5	66.7	55.4	51.4	50.7	38.9	43.9	36.4				

P=Preliminary data.

NA=Not available.

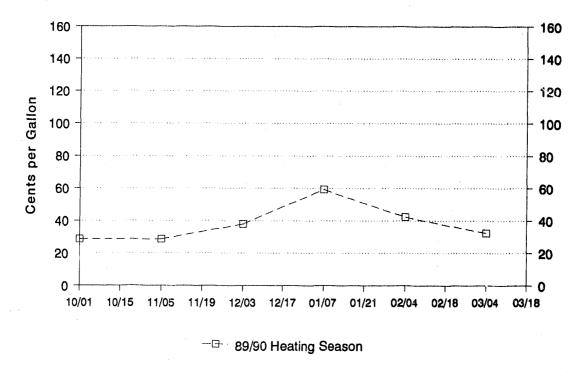
Source: These data are average prices collected by the Computer Petroleum Corporation, Inc.

Figure 29. Wholesale Propane Prices, Central Atlantic



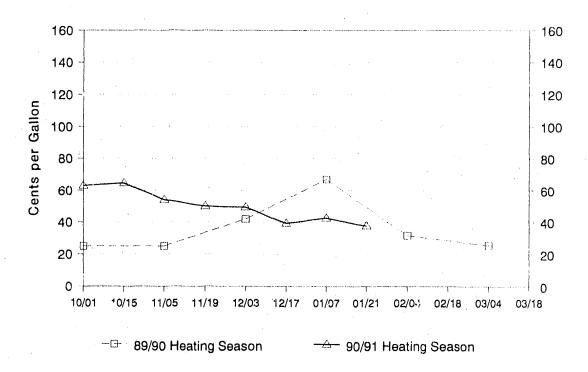
Source: These data are average prices collected by the Computer Petroleum Corporation, Inc.

Figure 30. Wholesale Propane Prices, Lower Mantic



Source: These data are average prices collected by the Computer Petroleum Corporation, Inc.

Figure 31. Wholesale Propane Prices, Midwest



Source: These data are average prices collected by the Computer Petroleum Corporation, Inc.

Table 10. U.S. Crude Oil and Petroleum Product Prices (Cents per Gallon, Except Where Noted)

	Crude WTI ^a		No. 2	Distillate		Propa	ine
Report Period	(Dollars per Barrel)	Spot *	Terminal ^b	Resi- dential °	Diesel Retail ^d	Spot •	Resi- dential
lonthly	er videren ett ett et en mederjaar jaga von een eel er till et ett basseg aansammen van a.			tern, ny taony identifican'i Ethypologia, taologia, ao	AND A SECURE OF THE PROPERTY O		. L
01/90	22,86	72.7	75.1	114.0	128.0	45.0	94.5
02/90	22.09	57.5	58.2	96.3	120.8	27.6	81.2
03/90	20.39	58.0	58.5	94.7	116.6	23.9	71.5
04/90	18.43	58.5	58.6	93.1	115.0	23.0	68.5
05/90	18.20	53.9	56.3	90.7	114.9	22.3	54.8
06/90	16.70	48.1	51.5	86.4	113.7	24.1	57.4
07/90	18.54	53.1	52.5	83.8	111.9	27.8	55.6
08/90	27.35	75.3	78.4	98.8	127.5	38.1	64.7
09/90	33.83	88.7	89.2	113.7	135.2	45.7	72.6
10/90	36.04	94.2	101,7	130.0	148.0	52.4	105.6
11/90	32.44	87.6	95.2	129.5	150.1	47.6	104.8
Veek Ending			` .				
12/07/90	27.72	83.2	89.1	128.5	145.9	41.8	103.4
12/14/90	26.39	77.4	81.5	NA	NA	36.7	NA
12/21/90	27.56	77.0	76.9	124.1	139.7	38.6	99.0
12/28/90	27.21	80.7	77.5	NA	NA	44.0	NA
01/04/91	26.38	74.2	77.4	NA	NA	40.2	NA
01/11/91	27.55	76.9	75.9	120.3	140.7	41.2	99.8
ally		•			•		
01/14/91	30.13	90.5	78.9	NA	NA	46.8	NA
01/15/91	30.35	86.8	86.3	NA	NA	44.8	NA
01/16/91	32.25	95.1	87.5	NA	NA	44.8	NA
01/17/91	21.48	63.5	89.9	NA	NA	31.3	NA
01/18/91	20.05	34.0	80.9	NA	NA	28.8	NA
01/21/91	21.63	70.3	76.4	122.4	NA	29.8	99.6
01/22/91	24.91	75.0	75.1	NA	NA	30.9	NA
01/23/91	24.08	74.4	75.0	NA	NA	32.8	NA
01/24/91	25.63	72.6	74.9	NA	NA	31.8	NA NA
01/25/91	24.15	71.9	74.1	NA	NA	32.1	NA
01/28/91	21.03	70.3	73.1	NA	NA	31.3	NA ·
01/29/91	21.73	72.2	72.0	NA NA	NA	30.3	NA
01/30/91	21.08	71.7	71.7	NA NA	NA .	29.3	NA NA
01/31/91	21.90	71.8	71.3	NA NA	NA NA	28.9	NA
02/01/91	21.33	59.5	70.8	NA NA	NA NA	28.9	NA NA

NA=Not available.

* Source: Spot West Texas Intermediate (WTI) at Cushing, Oklahoma; No. 2 distillate in New York Harbor from Reuters.

* Source: Computer Petroleum Corp. rack prices.

* Source: Residential No. 2 distillate and propane prices from Energy Information Administration (EIA), Petroleum Marketing Monthly, and State Heating Oil and Propane Program starting October 1, 1990.

d Source: Diesel Retail prices from Lundberg PS,
Source: Mt. Belvieu, Texas, spot propane prices from Platts' Oilgram Price Report.

Table 11. Petroleum Product Prices for Selected Cities (Cents per Gallon)

		Chic	ago			Hous	ston	
		No. 2 Distillate		Propane		No. 2 Distillate		Propane
Report Period	Spot *	Terminal ^b	Diesel Retali °	Terminal ^d	Spot *	Terminal ^b	Diesel Retail °	Terminal ^c
Monthly		1		L				and the section of the forest section of the forest section of
01/90	60.0	69.2	140.4	72.5	61.5	76.3	130.6	54.4
02/90	52,2	54.3	128.4	31.3	54.1	56.9	124.4	32.5
03/90	54.8	56.5	123.3	25.8	52.7	55.7	115.9	25.7
04/90	54.2	56.2	122.7	26.1	52.2	54.5	113.6	25.3
05/90	59.4	54.0	121.8	26.4	48.8	51.6	112.7	24.1
06/90	55.1	43.6	120.8	29.4	45.9	47.5	111.3	24.7
07/90	53.9	51.1	119.1	32.4	53.9	51.7	109.9	27.9
08/90	75.1	77.5	135.8	43.9	73.9	77.3	124.2	38.9
09/90	37.3	86.8	139.5	51.3	87.9	87.0	133.0	44.8
10/90	94.3	99.8	153.5	60.4	92.7	98.4	147.5	54.4
11/90	88.7	92.8	156.2	53.5	85.7	89.7	148.0	49.5
Veek Ending								
12/07/90	78.4	86.4	155.8	48.3	80.2	85.7	146.7	46.4
12/14/90	70.8	78.2	NA	41.2	74.0	79.0	NA	41.1
12/21/90	71.2	74.2	149.3	40.6	74.2	76.0	141.3	39.5
12/28/90	72.3	75.4	NA	46.8	77.2	77.8	NA	44.1
01/04/91	67.7	75.1	NA	45.9	70.2	77.9	NA .	44.8
01/11/91	70,7	73.6	145.8	42.8	73.5	75.1	135.1	41.4
ally								
01/14/91	82.0	78.5	NA	45.3	86.1	81.1	NA	43.2
01/15/91	78.5	85.7	NA	47.2	81.8	86.9	NA	47.0
01/16/91	82.5	86.9	NA.	46.7	89.7	88.3	NA	47.6
01/17/91	62.8	87.6	NA .	44.1	59.5	87.7	NA	47.3
01/18/91	58.0	77.8	NA	37.8	59.1	79.7	NA	42.6
01/21/91	61.3	72.5	NA	34.8	63.5	74.9	NA	41.3
01/22/91	63.3	71.2	NA	34.4	65.9	73.3	NA	38.0
01/23/91	63.3	70.9	NA	34.8	67.0	73.3	NA	37.5
01/24/91	63.0	70.6	NA	34.6	66.8	72.8	NA '	37.3
01/25/91	62.1	69.2	145.7	34.0	66.1	71.5	135.3	37.3
01/28/91	60.8	68.1	NA	32.4	65.1	69.9	NA	35.9
01/29/91	62.1	66.9	NA	32.2	61.3	68.5	NA	35.9
01/30/91	61.0	66.3	NA	31.8	60.0	67.9	NA	35.9
01/31/91	61.4	65.8	NA NA	31.3	60.7	67.3	NA NA	35.0
02/01/91	59.8	65.3	NA	30.6	59.9	66.8	NA	34.2

See footnotes at end of table.

Table 11. Petroleum Product Prices for Selected Cities (Continued) (Cents per Gallon)

		Los Ar	ngeles			New	York	
		No. 2 Distillate		Propane		No. 2 Distillate		Propane
Report Period	Spot *	Terminal ^b	Diesel Retail °	Terminal ^d	Spot *	Terminal ^b	Diesel Retail °	Terminal ^d
onthly		·	***************************************	L				
01/90	58.5	65.6	114.8	48.9	72.7	86.9	141.1	67.9
02/90	54.7	58.3	114.0	45.2	57.5	61.2	129.1	43.5
03/90	55.4	56.6	113.5	41.3	59.0	61.0	124.6	34.1
04/90	55.2	57.3	113.0	32.7	58.5	61.7	120.9	32.6
05/90	51.6	55.9	113.1	28.3	53.9	59.2	120.7	31.3
06/90	47.6	50.4	112.7	27.0	48.1	52.3	123.6	31.7
07/90	52.9	50.4	112.1	27.6	53.1	55.1	123.1	34.4
08/90	77.2	78.1	129.0	33.1	75.3	78.2	135.2	45.3
09/90	90.3	90.3	141.2	37.8	88.7	89.5	141.8	52.4
10/90	97.1	104.0	154.9	51.7	94.2	101.7	156.8	63.8
11/90	91.3	100.2	157.4	54.9	87.6	93.0	160.9	58.8
			-		4			
Veek Ending								
12/07/90	77.7	87.3	157.4	55.8	83.2	90.7	162.1	54.9
12/14/90	71.0	74.7	NA	56.2	77.4	85.0	NA	49.0
12/21/90	69.8	68.9	148.5	56.4	77.0	82.0	158.6	48.1
12/28/90	73.3	69.3	NA	57.0	80.7	84.0	NA	51.6
01/04/91	69.3	70.9	NA	57.4	74.2	83.7	NA	52.5
01/11/91	72.1	70.2	141.5	62,3	76,9	81.5	155.9	51.2
ally					•			
01/14/91	82.5	72.7	NA	63.0	90.5	86.1	NA	51.6
01/15/91	84.0	77.1	NA	63.5	86.8	93.2	NA	54.4
01/16/91	87.0	78.9	NA	63.5	95.1	94.4	NA	56.5
01/17/91	68.0	82.3	NA	63.5	63.5	98.5	NA	56.6
01/18/91	63.8	75.9	NA	63.5	64.0	89.5	NA	52.9
01/21/91	64.5	74.4	NA	63.5	70.3	83.8	NA	48.1
01/22/91	67.0	74.4	NA	60.3	75.0	80.8	NA	45.0
01/23/91	71.0	73.9	NA	60.3	74.4	81.0	NA	43.2
01/24/91	68.0	74.4	NA	60.3	72.6	82.6	NA	42.4
01/25/91	68.0	75.2	140.3	59.8	71.9	82.0	154.7	42.4
01/28/91	70.0	76.5	NA	59.8	70.3	81.1	NA	42.2
01/29/91	72.5	77.4	NA	53.2	72.2	79.7	NA	42.2
01/30/91	74.0	78.4	NA	51.5	71.7	79.5	NA NA	41.7
01/31/91	72.5	79.0	NA	51.5	71.8	79.1	NA	41.2
02/01/91	72.5	79.3	NA	49.5	69.5	78.4	NA	40.1

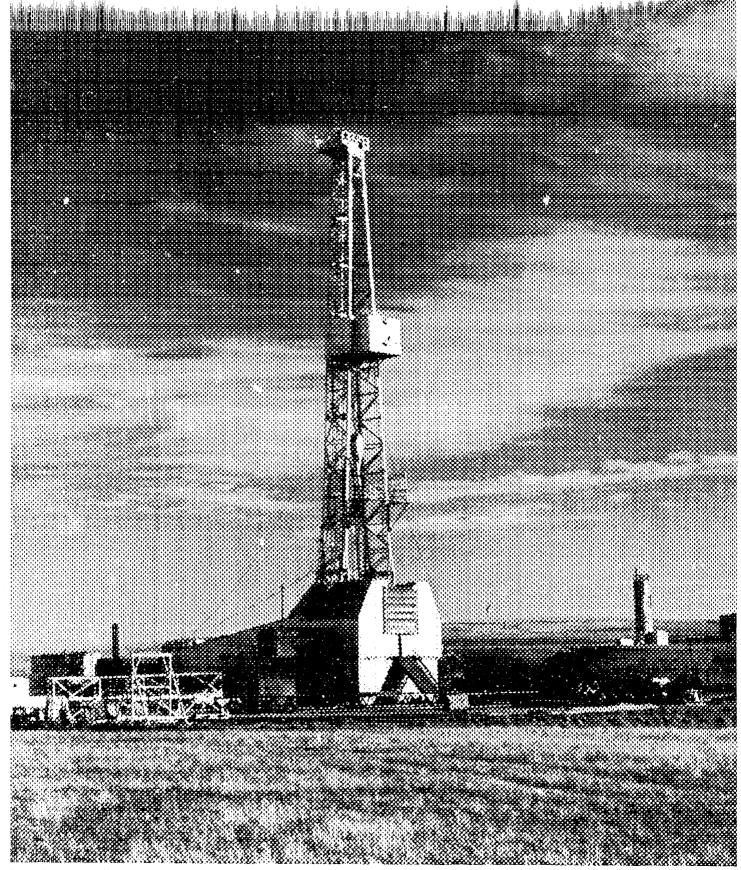
NA=Not available.

a Source: No. 2 distillate spot prices in Chicago, Houston, and Los Angeles, are from Telerate; New York spot prices are from Reuters.

b Source: No. 2 distillate terminal prices in Chicago, Houston, Los Angeles, and New York are from Computer Petroleum Corp.

c Source: Diesel Retail self-serve prices in Chicago, Houston, Los Angeles, and Long Island, New York are from Lundberg PS.

d Source: Propane terminal prices in Lemont, Illinols; Mt. Belvieu, Texas; Los Angeles, California; and Selkirk, New York are from Computer Petroleum Corp.



Weather conditions continue to have a strong effect on U.S. petroleum supply and demand.

United States Weather Summary

The following excerpts are from the National Weather Service.

6 - 10 Day Outlook - February 12 through February 16, 1991

Temperatures are expected to be below normal in most of Utah, southern Texas, northern Florida, the Upper Great Lakes region, northern Indiana, and from the Lower Mississippi Valley eastward to the East Coast. Elsewhere, temperatures are expected to be near normal except for above normal in the northern part of the Middle Atlantic Coast states as well as Nebraska and the Northern Plains.

Precipitation amounts are expected to be above normal along the North Pacific Coast, in eastern Texas, Louisiana, the east Gulf Coast, and in the southern Atlantic Coast states. Elsewhere, precipitation is expected to be below normal or none except near normal in southern Florida, the Northwestern Plains, part of Washington southwestward through the northwestern tip of California, east Central Texas, and from the northern part of the Lower Mississippi Valley and the southern part of the Middle Mississippi Valley northeastward through the Northeastern states.

(Refer to Figures 32 and 33).

30 Day Outlook - February 1991

The 30 day outlook calls for at least a 55 percent probability of above normal temperatures over most of the United States with the exception of temperatures averaging near normal in the Northeast, the Gulf Coast region, the south Atlantic Coastal states, and along the southern margin of the country from California to Texas. A 60 to 65 percent chance for warmer temperatures is expected in the northern half of the Great Plains and the northern two thirds of the Upper Mississippi Valley.

Below median precipitation with a probability of at least 55 percent is expected from Arizona and New Mexico northeastward through most of the central and northern Plains to Minnesota in addition to the East Gulf and South Atlantic regions.

90 Day Outlook - February through April 1991

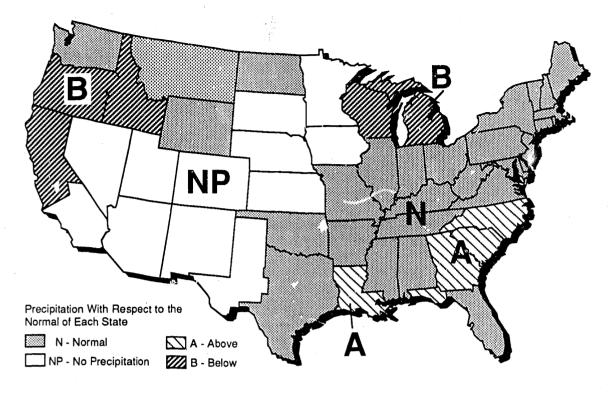
The 90 day outlook calls for a slightly higher than 55 percent probability of below normal temperatures in Texas and above normal temperatures along the middle and south Atlantic Coasts and most of the Florida Peninsula.

Above median precipitation with a probability of at least 55 percent is expected in two ares. The first region is from eastern Arizona and the southern Rockies through the Rio Grande Valley eastward along the Gulf Coast and on into Florida and as far north as the southern portions of Georgia and South Carolina. The second region is located in eastern Nebraska and Iowa.

(Refer to Figure 34).

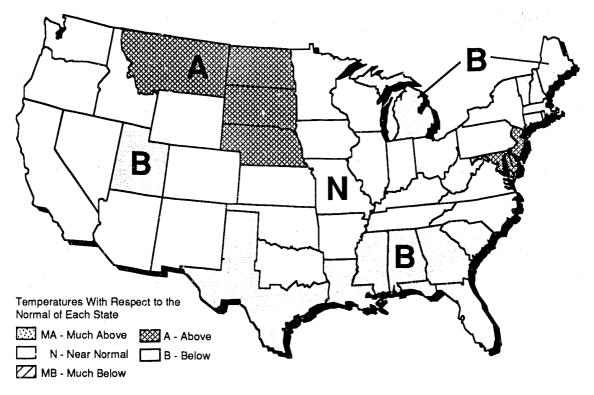
Source: National Weather Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

Figure 32. 6 - 10 Day Precipitation Outlook for February 12 through February 16, 1991



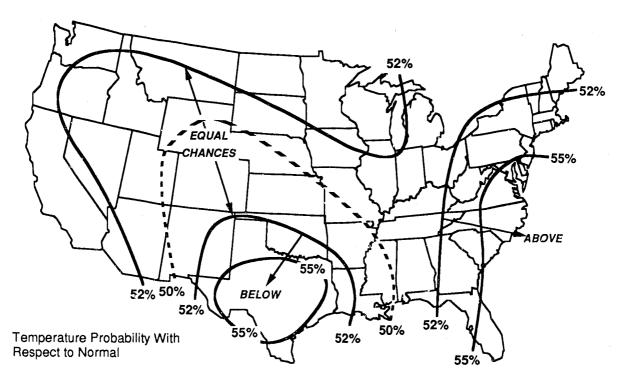
Source: National Weather Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

Figure 33. 6 - 10 Day Temperature Outlook for February 12 through February 16, 1991



Source: National Weather Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

Figure 34. 90 Day Temperature Outlook for February 1991 through April 1991



Source: National Weather Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

Table 12. U.S. Total Heating Degree Days by City

(Population Weighted Heating Degree-Days^a, Except Where Noted)

				Percent	Change
City	1990- 1991	1989- 1990	Normai	1990-1991 vs. 1989-1990	1990-199 [.] vs. Normal
July 1 - June 30		4,457	4,689	••	
July 1 - February 2	2,560	2,756	2,779	-7	-8
Albuquerque	2,762	2,715	2,787	2	-1
Amarillo	2,711	2,671	2,633	1	3
Asheville	2,204	2,680	2,627	-18	-16
Atlanta	1,556	1,741	1,928	-11	-19
Billings	4,107	3,850	4,263	7	-4
Boise	3,915	3,370	3,498	16	12
Boston	2,749	3,326	3,149	-17	-13
Buffalo	3,417	3,932	3,830	-13	-11
Cheyenne	4,180	3,958	4,134	6	1
Chicago	3,694	3,776	3,800	-Ž	-3
Cincinnati	2,780	3,164	3,175	-12	-12
Cleveland	3,219	3,561	3,553	-10	9
Columbia, SC	1,421	1,565	1,706	-9	-17
Denver	3,463	3,317	3,511	4	-1
Des Moines	3,963	3,938	3,974	i	0
Detroit	3,434	3,859	3,819	-11	-10
Fargo	5,278	5,399	5,598	-2	-6
Hartford	3,131	3,647	3,628	-14	-14
Houston	1,064	1,108	1,056	-4	1
Jacksonville, FL	630	943	941	-33	-33
Kansas City	3,213	3,333	3,268	-33 -4	-33 -2
Las Vegas	1,680	1,445	1,684	16	0
Los Angeles	571	463	810	23	-30
Memphis	1,797	1,934	2,069	-7	-13
Miami	7	120	128	-94	-95
Milwaukee	3,774	4,052	4,196	-9 4 -7	-95 -10
Minneapolis	4,651	4,706	4,820	- <i>r</i> -1	
Montgomery	1,246	1,594	1,506	-22	-4 17
New York	2,266	2,763	2,806	-22 -18	-17 -19
Oklahoma City	2,306	2,703	2,379		
Omaha	3,912			4	-3
Philadelphia	2,379	3,813 2,808	3,825	3	2
Phoenix	688	2,898 599	2,913 956	-18 15	-18
Pittsburgh	3,015	3,559		15 15	-28
Portland, ME	3,649		3,513	-15	-14
Providence		4,216 3,361	4,242	-13	-14
Raleigh	2,869		3,343	-15	-14
Richmond	1,755	2,094	2,196	-16	-20
St. Louis	1,940	2,347	2,442	-17	-21
Salem, OR	2,721	2,771	3,058	-2	-11
Salt Lake City	2,731	2,535	2,821	8	-3
San Francisco	3,739	3,218	3,505	16	7
Seattle	1,432	1,530	1,767	-6	-19
Shreveport	2,765	2,430	2,931	14	-6
Vashington, DC	1,521	1,474	1,507	3	1
raaimigion, DO	2,074	2,555	2,492	-19	-17

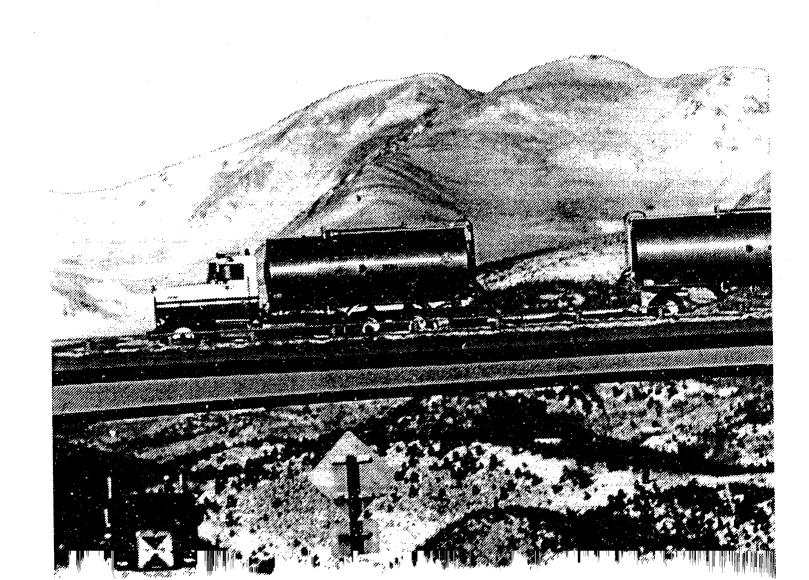
^{*} See Glossary.

Note: The weather for the Nation, as measured by population-weighted heating degree-days from July 1, 1990, through February 2, 1991, has been 7 percent warmer than last year and 8 percent warmer than normal.

Source: Weather data reported in the *Winter Fuels Report* are taken directly from a computerized system implemented by the National Oceanic and Atmospheric Administration, Department of Commerce. The National Oceanic and Atmospheric Administration (NOAA)/NWS, as a U.S. Government Agency, does not endorse any consumer information services.

Appendix A

District Descriptions and Maps



Appendix A

District Descriptions and Maps

The following are the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England (PADD 1X): The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic (PADD 1Y): The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic (PADD 1Z): The States of Florida, Georgia, North Carolina, South Carolina, Virginia, and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

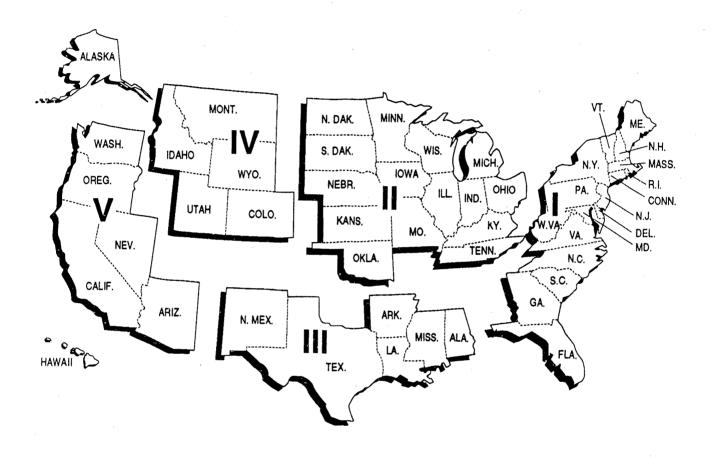
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

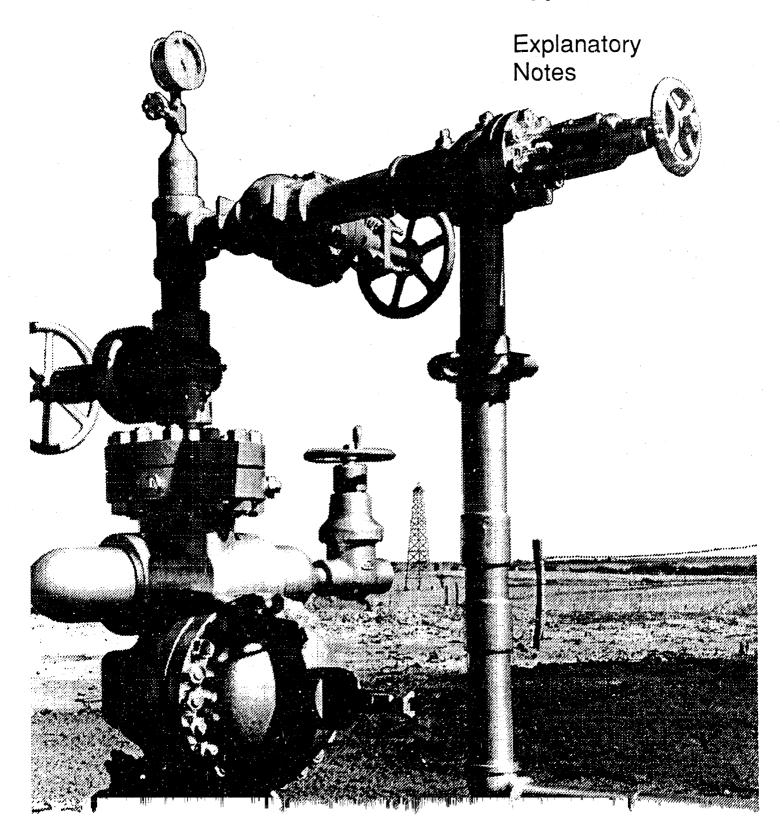
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Appendix B



Appendix B

Explanatory Notes

Note 1. Overview

The following Explanatory Notes are provided to assist in understanding and interpreting the data presented in this publication.

Note 2. Monthly DataNote 3. Weekly Data

· Note 4. Price Data

• Note 5. Interpretation and Derivation of Average

Inventory Levels

Note 2. Monthly Data

Data for distillate fuel oil and propane are extracted from selected surveys in the Monthly Petroleum Supply Reporting System (MPSRS). Refer to the *Petroleum Supply Monthly* for a detailed discussion of the MPSRS.

The forms that comprise the monthly data are:

Form

Number Name

EIA-810 Monthly Refinery Report

EIA-811 Monthly Bulk Terminal Report

EIA-812 Monthly Product Pipeline Report

EIA-814 Monthly Imports Report

EIA-816 Monthly Natural Gas Liquids Report

Note 3. Weekly Data

Distillate Fuel Oil

Data collected from the Weekly Petroleum Supply Reporting System (WPSRS) are used to develop estimates for distillate fuel oil.

The forms that comprise the WPSRS are:

Form

Number Name

EIA-800 Weekly Refinery Report

EIA-801 Weekly Bulk Terminal Report

EIA-802 Weekly Product Pipeline Report

EIA-803 Weekly Crude Oil Report

EIA-804 Weekly Imports Report

A sample of all petroleum companies report weekly data to the Energy Information Administration (EIA) on crude oil and petroleum products stocks, refinery inputs and production, and crude oil and petroleum product imports. The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys.

Sampling

The sampling procedure used for the weekly system is the cutoff method. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous period. Companies are chosen for the sample beginning with the largest and adding companies until the total sample covers about 90 percent of the total, for each item and each geographic region for which weekly data are published.

Estimation and Imputation

After the company reports have been checked and entered into the weekly data base, explicit imputation is done for companies which have not yet responded. The imputed values are exponentially smoothed means of recent weekly reported values for this specific company. The imputed values are treated like reported values in the estimation procedure, which calculates ratio estimates of the weekly totals. First, the current week's data for a given product reported by companies in a geographic region are summed. (Call this weekly sum, W₁.) Next, the most recent month's data for the product reported by those same companies are summed. (Call this monthly sum, M₂.) Finally, let M₁ be the sum of most recent month's data for the product as reported by all companies. Then, the current week's ratio estimate for that product for all companies, W₂, is given by:

$$W_t = \frac{M_t}{M_s} \cdot W_s$$

This procedure is used directly to estimate total weekly inputs to refineries and production. To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-bycompany basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of total weekly imports is the product of the smoothed ratio and the sum of the weekly reported values and imputed values.

Propane

Data collected on the Form EIA-807, "Propane Telephone Survey" are used to develop estimates for propane.

Sampling

The sampling procedure used for Form EIA-807 is the cut-off method. In the cut-off method, establishments were ranked from largest to smallest on the basis of quantities reported (propane production, propane imports, propane stocks) during October 1989. Companies were chosen for the sample beginning with the largest and adding companies until the total sample covered about 80 percent of the total for each item and each geographic region (Petroleum Administration for Defense Districts I, IX, IY, IZ, II and III) for which data are published.

Estimation and Imputation

After the company reports have been checked and entered into the EIA-807 data base, imputation is done for companies which have not yet responded. The imputed values are equal to the latest reported data for a particular reporting unit. Response rates are over 90 percent so very little imputation is done.

After the data files have been edited and corrected, aggregation is done for net production, imports, and stocks by each geographic region. Estimation factors, which were derived from 1989 reported data, are then applied to each cell to generate published estimates.

Note 4. Price Data

The residential No. 2 heating oil and propane prices for a given State are based on the results of telephone surveys of a sample of marketers and refiners. Data are collected under the EIA State Heating Oil and Propane Program.

Sampling Methodology and Estimation Procedures

To estimate aggregate propane and No. 2 heating oil price data for a State, the sample weight and volume sales data were

applied to the reported price, summed and divided by the sum of the weighted volume:

respondent, n_j = sample size of stratum j, and s = number of strata, to obtain a volume weighted price.

Residential No. 2 Heating Oil

For the No. 2 heating oil price data, a sample design similar to that used for the Energy Information Administration (EIA) Form EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report" sample design was used. The sampling frame was an extract of approximately 11,000 companies from the Form EIA-863, "Petroleum Product Sales Survey" conducted in 1989 and containing 1988 sales volume information. A one-way stratified sample design using No. 2 residential distillate frame sales volumes by State, for each of the 27 States to be sampled, was used. Stratum boundaries were determined by the Dalenius-Hodges procedure. Sample weights were calculated as the inverse of the probability (N/n). Certainty strata were established based on sales volumes and the number of States in which the company has sales. The expected price coefficient of variation is one to two percent.

Residential Propane

Since no volume sales information existed to predetermine the volume sales of propane dealers, two strata for propane dealers was used. A certainty stratum of the known, large, multi-State dealers was created. These companies were identified using establishment lists obtained in deriving the frame. All other dealers were in a second stratum and a random sample from this stratum was selected. Sample weights were calculated as the inverse of the probability (N/n). The name and address list sampling frame was constructed by first extracting from the Form EIA-863, "Petroleum Product Sales Identification Survey," companies who marked the box on the survey indicating they sell propane. This was augmented by companies on the Office of Oil and Gas Master File who have the words propane or liquefied petroleum gas (LPG) in their name. In addition, companies who file the Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report," and report retail propane or the Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption," and report propane, as well as companies that were active on the Form EIA-174, "Liquefied Petroleum Gas Survey," prior to its discontinuance, were included.

After unduplicating these companies, the initial frame file contained approximately 5,100 companies. Additional com-

panies were obtained from an extract of a current Dun and Bradstreet file of SIC code 5984(9903), primary and secondary retail propane dealers, containing 3,283 names and addresses. Removal of duplicates within this file and between it and the initial frame file was performed using tailored automated match programs with manual review, and resulted in approximately 1,000 potential adds to the initial file. Similarly, additional names and addresses were furnished by industry associations and journals and by State Energy Offices, yielding another 7,429 names. Again, removal of duplicates through the match programs yielded an approximate potential add of 900 companies. Another 800 companies were identified as residing on the Master File but not previously selected as potential propane sellers. Further matching, merging and unduplicating reduced the final total frame count to approximately 6,000 companies. Reseller/retailer propane price data were unavailable to calculate a target coefficient of variation. However, it was expected that residential propane price variances were similar to heating oil. Increases in variances were expected as a result of lack of detailed stratification, but were only expected to reach three to four percent.

Note 5. Interpretation and Derivation of Average Inventory Levels

The national inventory (stocks) graphs for distillate fuel oil and propane include features to assist in comparing current inventory levels with past inventory levels and with judgments of critical levels. Methods used in developing the average inventory levels and minimum operating levels are described below.

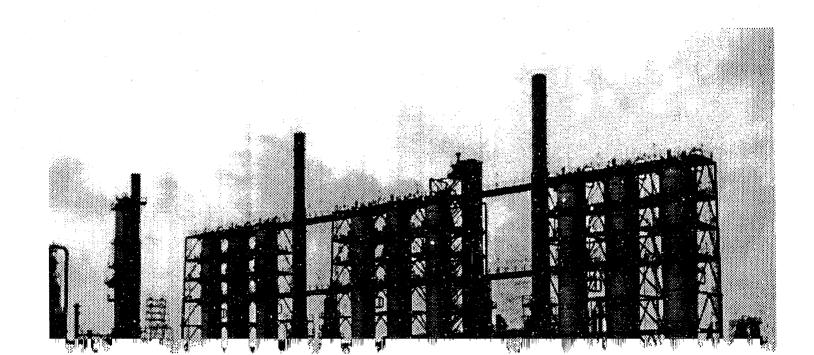
Average Inventory Levels

The charts displaying inventory levels of distillate fuel oil and propane (Figures 1 through 10) provide the reader with actual inventory data compared to an "average range" for the most recent 3-year period running from January through June. The ranges also reflect seasonal variation for the past 7 years.

The seasonal factors, which determine the shape of the upper and lower curves, are estimated with a seasonal adjustment technique developed at the Bureau of Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive (i.e., the series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported inventory levels.) The intent of deseasonalization is to remove only annual variation from the data. Thus, deseasonalized series would contain the same trends, cyclical components, and irregularities as the original data. The seasonal factors are updated annually in October, using the 7 most recent year's final monthly data.

The seasonal factors are used to deseasonalize data from the most recent 3-year period (January-December or July-June). The average of the deseasonalized 36-month series determines the midpoint of the "average range." The standard deviation of the deseasonalized 36 months is then calculated after adjusting for extreme data points. The upper curve of the "average range" is defined as average plus the seasonal factors plus the standard deviation. The lower curve is defined as the average plus the seasonal factors minus the standard deviation. Thus, the width of the "average range" is twice the standard deviation. The ranges are updated every 6 months in April and October.

Glossary



Definitions of Petroleum Products and Other Terms

Degree-Day Normals. Simple arithmetic averages of monthly or annual degree-days over a long period of time (usually the 30-year period 1951-1980). These may be simple degree-day normals or population-weighted degree-day normals.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel including railroad engine fuel and fuel for agricultural machinery, and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F at the 10-percent recovery point and 550 degrees F at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 designates minimum and maximum distillation temperatures at the 90-percent recovery point of 540 degrees F and 640 degrees F, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as designated in the ASTM Specification D975:

No.1-D. A volatile distillate fuel oil with a maximum distillation temperature of 550 degrees F at the 90-percent recovery point for use in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with minimum and maximum distillation temperatures at the 90-percent recovery point of 540 and 640 degrees F for use in high-speed diesel engines generally operated under uniform speed and load condi-

tions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; with minimum and maximum kinematic viscosities between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Heating Degree-Days. The number of degrees per day the daily average temperature is below 65 degrees F. The daily average temperature is the mean of the maximum and minimum temperature for a 24-hour period.

Population-Weighted Degree-Days. Heating or cooling degree-days weighted by the population of the area in which the degree-days are recorded. To compute national population-weighted degree-days, the Nation is divided into nine Census regions comprised of from three to eight States which are assigned weights based on the ratio of the population of the region to the total population of the Nation. Degree-day readings for each region are multiplied by the corresponding population weight for each region and these products are then summed to arrive at the national population weighted degree-day figure.

Propane. A normally gaseous straight-chain hydrocarbon, (C3H8). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene. An olefinic hydrocarbon, (C3H6), recovered from refinery processes or petrochemical processes.

Report Dates. The official report dates for the residential and wholesale price surveys are the first and third Mondays. The official day for the primary stock survey is 7 a.m. on the Friday preceding the report date.

Residential Heating Oil Price. The price charged for home delivery of No. 2 heating oil, exclusive of any discounts such as those for prompt cash payment. Prices do not include taxes paid by the consumer.

Residential Propane Price. The "bulk keep full" price for home delivery of consumer grade propane intended for use in space heating, cooking, or hot water heaters in residences.

United States. For the purpose of this report, the 50 States and the District of Columbia. Data for the Virgin Islands, Puerto Rico, and other U.S. territories are not included in the U.S. Totals.

Wholesale Price. The rack price charged for No. 2 heating oil; that is, the price charged customers who purchase No. 2 heating oil free-on-board at a supplier's terminal and provide their own transportation for the product.

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