# Section 4. Natural Gas

Total dry natural gas production in the United States during July 2004 was estimated as 1.6 trillion cubic feet, slightly lower than production during July 2003.

Consumption of natural and supplemental gas in July 2004 was estimated as 1.5 trillion cubic feet, 2 percent lower than the level in July 2003.

Deliveries to residential consumers in July 2004 were estimated as 125 billion cubic feet, 2 percent lower than the previous July's deliveries. Total deliveries to industrial consumers during July 2004 were estimated as 649 billion cubic feet, 2 percent lower than the previous July's level. The electric power sector's use of natural gas in July 2004

was 601 billion cubic feet, 1 percent lower than the rate in July 2003.

Net imports of natural gas in July 2004 were estimated as 320 billion cubic feet, 8 percent higher than net imports in the previous July.

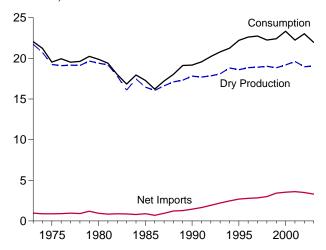
Stocks of working gas<sup>1</sup> in underground natural gas storage reservoirs at the end of July 2004 were 2,395 billlion cubic feet, 12 percent higher than the level of stocks available 1 year earlier.

Net injections into underground storage during July 2004 were 366 billion cubic feet, 1 percent more than the amount of net injections during July 2003.

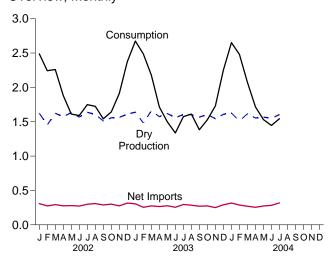
<sup>&</sup>lt;sup>1</sup>Gas available for withdrawal.

Figure 4.1 Natural Gas (Trillion Cubic Feet)

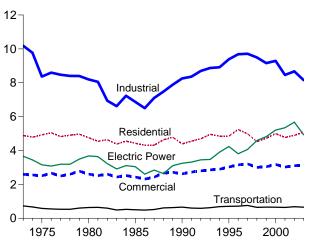
## Overview, 1973-2003



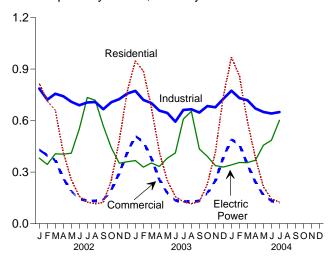
## Overview, Monthly



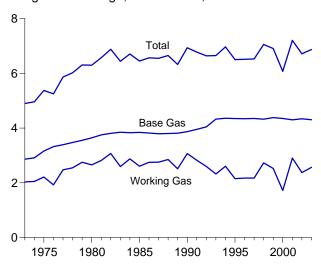
## Consumption by Sector, 1973-2003



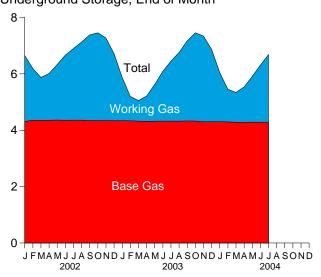
Consumption by Sector, Monthly



## Underground Storage, End of Year, 1973-2003



# Underground Storage, End of Month



Note: Because vertical scales differ, graphs should not be compared. Web Page: http://www.eia.doe.gov/emeu/mer/natgas.html. Sources: Tables 4.1, 4.4, and 4.5.

**Table 4.1 Natural Gas Overview** 

	D C	Supplemental		Trade		Nat	Palanaina	
	Dry Gas Production <sup>a</sup>	Gaseous Fuels <sup>b</sup>	Imports	Exports	Net Imports	Net Withdrawals <sup>c</sup>	Balancing Item <sup>d</sup>	Consumptione
1973 <u>T</u> otal	<sup>f</sup> 21,731	NA	1,033	77	956	-442	-196	22,049
974 Total	<sup>f</sup> 20.713	NA NA	959	77	882	-84	-289	21,223
975 Total	f19.236	NA	953	73	880	-344	-235	19,538
976 Total	f19.098	NA NA	964	65	899	165	-216	19,946
977 Total	f19,163	NA NA	1.011	56	955	-557	-41	19,521
77 Total	19,122	NA NA	966	53	913	-120	-287	19,627
779 Total	f19,663	NA NA	1.253	56	1,198	-248	-372	20,241
980 Total	19,403	155	985	49	936	23	-640	19.877
	19,403		904	59	845	-297	-500	
181 Total 182 Total	17,820	176 145	933	59 52	882	-297 -308	d-537	19,404 18.001
			918		864		d-703	
83 Total	16,094 17,466	132 110	843	55 55	788	447 -197	-217	16,835 17.951
84 Total	16,454		950	55 55	700 894	235	-217 -428	17,281
85 Total	16,454	126 113	750	61	689	-147	-426 -493	16,221
986 Total								
87 Total	16,621	101	993	54	939	-6	-444	17,211
88 Total	17,103	101	1,294	74	1,220	59	-453	18,030
89 Total	17,311	107	1,382	107	1,275	326	101	g 19,119
90 Total	17,810	123	1,532	86	1,447	-513	307	9 19,174
91 Total	17,698	113	1,773	129	1,644	.80	27	<sup>9</sup> 19,562
92 Total	17,840	118	2,138	216	1,921	173	176	g <b>20,228</b>
93 Total	18,095	119	2,350	140	2,210	-36	401	20,790
94 Total	18,821	111	2,624	162	2,462	-286	139	21,247
95 Total	18,599	110	2,841	154	2,687	415	396	22,207
96 Total	18,854	109	2,937	153	2,784	2	860	22,610
997 Total	18,902	103	2,994	157	2,837	24	871	22,737
98 Total	19,024	102	3,152	159	2,993	-530	657	22,246
99 Total	18,832	98	3,586	163	3,422	172	-119	22,405
00 Total	19,182	90	3,782	244	3,538	829	-305	23,333
01 Total	19,616	86	3,977	373	3,604	-1,166	99	22,239
002 January	1,623	6	343	34	309	558	-8	2,488
February	1,455	6	306	30	276	474	33	2,243
March	1,624	6	333	38	294	327	9	2,260
April	1,573	5	315	39	276	-129	156	1,881
May	1,631	5	319	39	280	-330	26	1,612
June	1,569	5	318	45	273	-350	94	1,591
July	1,638	6	345	45	300	-248	54	1,749
August	1,607	6	356	47	310	-242	44	1,725
September	1,511	5	336	47	289	-276	13	1,543
October	1,558	6	343	42	301	-89	-132	1,643
November	1,563	6	331	55	276	202	-137	1,911
December	1,612	7	371	55	316	572	-133	2,373
Total	18,964	68	4,015	516	3,499	468	19	23,018
03 January	E 1,638	E 6	365	60	305	841	<sup>R</sup> -115	R 2,675
February	E 1,483	<u> </u>	314	59	255	676	R 67	2,486
March	E 1,660	E 5	329	55	275	136	103	2,178
April	<sup>E</sup> 1.574	E 4	317	52	266	-158	R 28	R 1,714
May	E 1.620	E 6	328	50	277	-412	<sup>R</sup> 7	R 1.497
June	E 1.558	E 5	310	54	256	-470	R -11	R 1.338
July	E 1.606	<sup>E</sup> 6	345	50	296	-361	R 29	R 1.574
August	E 1.604	Ee	337	51	286	-309	R 25	R 1.611
September	E 1.568	E 5	326	55	271	-411	<sup>R</sup> -49	<sup>R</sup> 1.384
October	E 1.605	E 5	336	61	275	-284	R -73	R 1,529
November	E 1,544	E 6	322	71	251	86	R -159	R 1,729
December	E 1,609	E 6	367	76	291	473	R -128	R 2,251
Total	E 19,068	<sup>E</sup> 65	3,996	692	3,305	-193	R <b>-277</b>	R 21,967
<b>04</b> January	E 1,627	E 6	372	55	317	811	-109	R 2,652
February	E 1,512	E 6	346	57	289	600	74	2.480
March	<sup>1</sup> 1 617	<sup>E</sup> 5	341	70	271	103	R 76	R 2 073
April	RE 1 555	E 5	RE 316	<u> </u>	RE 256	-198	R 98	R 1,716
May	RE 1,567	E 6	E 328	€ 53	RE 275	-379	R 62	R 1,531
June	E 1,551	RE 1	E 338	€ 54	RE 284	-397	R 8	R 1,447
July	_E 1,603	ΕŹ	E 374	E 54	E 320	-366	E -15	1,545
7-Month Total	E 11,032	E 31	E 2,414	E <b>403</b>	E <b>2,011</b>	-366 <b>174</b>	E 195	13,443
	_	_						
003 7-Month Total	E 11,138	<sup>E</sup> 37	2,309	379	1,930	251	107	13,463

R=Revised. E=Estimate. NA=Not available.
Notes: • Totals may not equal sum of components due to independent rounding.
• Geographic coverage is the 50 States and the District of Columbia.
Web Page: http://www.eia.doe.gov/emeu/mer/natgas.html.
Sources: • Dry Gas Production: Table 4.2. • Supplemental Gaseous Fuels:
1980-1998: Energy Information Administration (EIA), Natural Gas Annual (NGA), annual reports.
1999 forward: EIA, Natural Gas Monthly (NGM), September 2004, Table 2. • Trade: Table 4.3. • Net Withdrawals: 1973-1998: EIA, NGA 2000, Table 94.
1999 forward: EIA, NGM, September 2004, Table 2.
• Consumption: Table 4.4. • Balancing Item: Calculated as consumption minus dry gas production, supplemental gaseous fuels, net imports, and net withdrawals.

a "Marketed Production (Wet)" minus "Extraction Loss." See Table 4.2.
 b See Note 1 at end of section.
 c Underground storage. For 1980-2002, also includes liquefied natural gas in above-ground tanks.
 d See Note 3 at end of section. Since 1980, excludes transit shipments that cross the U.S.-Canada border (i.e., natural gas delivered to its destination via the

other country).

<sup>e</sup> See Note 4 at end of section.

<sup>f</sup> May include unknown quantit

f May include unknown quantities of nonhydrocarbon gases.
9 For 1989-1992, a small amount of consumption at independent power producers may be counted in both "Other Industrial" and "Electric Power Sector" on Table 4.4. See Note 5 at end of section.

**Table 4.2 Natural Gas Production** 

	Gross		Nonhydro- carbon Gases	Vented and	Marketed	Extraction	Dry Gas
	Withdrawalsa	Repressuring <sup>b</sup>	Removed <sup>c</sup>	Flared <sup>d</sup>	Production <sup>e</sup>	Loss	Production <sup>g</sup>
1973 Total	24,067	1,171	NA	248	h 22,648	917	<sup>h</sup> 21,731
1974 Total	22,850	1,080	NA	169	<sup>h</sup> 21,601	887	h <b>20,713</b>
1975 Total	21,104	861	NA	134	<sup>h</sup> 20,109	872	<sup>h</sup> 19,236
1976 Total	20,944	859	NA	132	h 19,952	854	h 19,098
1977 Total	21,097 21,309	935 1,181	NA NA	137 153	<sup>h</sup> 20,025 <sup>h</sup> 19,974	863 852	<sup>h</sup> 19,163 <sup>h</sup> 19,122
1978 Total1979 Total	21,883	1,245	NA NA	167	h 20,471	808	h 19,663
1980 Total	21,870	1,365	199	125	20,180	777	19,403
1981 Total	21,587	1,312	222	98	19,956	775	19,181
1982 Total	20,272	1,388	208	93	18,582	762	17,820
1983 Total	18,659	1,458	222	95	16,884	790	16,094
1984 Total	20,267	1,630	224	108	18,304	838	17,466
1985 Total	19,607 19,131	1,915	326 337	95 98	17,270 16,859	816 800	16,454 16,059
1986 Total	20,140	1,838 2,208	376	124	17,433	812	16,621
1988 Total	20,999	2,478	460	143	17,918	816	17,103
1989 Total	21,074	2,475	362	142	18,095	785	17,311
1990 Total	21,523	2,489	289	150	18,594	784	17,810
1991 Total	21,750	2,772	276	170	18,532	835	17,698
1992 Total	22,132	2,973	280	168	18,712	872	17,840
1993 Total	22,726	3,103	414	227	18,982	886	18,095
1994 Total1995 Total	23,581 23,744	3,231 3.565	412 388	228 284	19,710 19.506	889 908	18,821 18.599
1996 Total	23,744 24,114	3,505 3,511	500 518	204 272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	24,108	3,427	617	103	19,961	938	19,024
1999 Total	23,823	3,293	615	110	19,805	973	18,832
2000 Total	24,174	3,380	505	91	20,198	1,016	19,182
2001 Total	24,501	3,371	463	97	20,570	954	19,616
2002 JanuaryFebruary	2,062 1.864	305 289	43 39	9 7	1,705 1,528	82 73	1,623 1.455
March	2,066	308	44	8	1,706	82	1,624
April	1,986	284	43	8	1,652	79	1,573
May	2,030	264	44	8	1,713	82	1,631
June	1,969	270	43	8	1,648	79	1,569
July	2,038 2,023	266 281	44 44	8 9	1,720 1,688	83 81	1,638 1,607
August September	1,918	279	44	8	1,588	76	1,507
October	1,982	302	37	8	1,636	78	1,558
November	1,987	298	39	8	1,642	79	1,563
December	2,052	309	40	10	1,693	81	1,612
Total	23,977	3,455	502	99	19,921	957	18,964
2003 January	E 2,095 E 1,905	E 333 E 310	E 33 E 30	E 9 E 8	E 1,721	E 83 E 75	E 1,638 E 1,483
February March	E 2.115	E 331	E 32	E 9	E 1,558 E 1,743	= 75 = 84	E 1,483
April	E 1.999	E 307	E 30	Eρ	E 1,654	E 79	E 1,574
May	E 2 042	E 302	E 30	Εq	E 1.701	E 82	E 1.620
June	E 1,973	E 297	E 31	E 7	E 1.637	E 79	E 1,558
July	E 2,014	E 287	E 32	Eρ	E 1.687	<sup>E</sup> 81	E 1.606
August	E 2,027	E 302	<u> </u>	E 8	E 1 684	<u> </u>	E 1,604
September	E 1,981	E 294	E 32	E 8	E 1,647	E 79	E 1,568
October	E 2,044 E 1,977	E 316 E 314	E 34 E 33	E 8 E 7	E 1,686 E 1,622	E 81 E 78	E 1,605 E 1,544
November	E 2,072	E 314	E 34	E 8	E 1,622	E 78	E 1,609
Total	E <b>24,243</b>	E 3,735	E <b>384</b>	E 95	E <b>20,030</b>	E <b>962</b>	E <b>19,068</b>
2004 January	E 2,095	E 344	<u> </u>	E 8	E 1,709	E 82	E 1,627
February	E 1,950	E 323	E 32	E 7	E 1,588	E 76	E 1,512
March	<sup>1</sup> 2,090	E 349	E 34	E 8	RE 1.698	E 82	± 1 617
April	RE 1,999	E 325	E 33	E 8	RE 1,634	E 78 RE 79	RE 1,555
May	RE 2,018 RE 1,998	RE 329 RE 328	E 34 E 33	E 8	RE 1,646 RE 1.629	<sup>RE</sup> 79	RE 1,567 E 1,551
June July	E 2.063	E 337	E 34	E 8	E 1,629	E 81	E 1,551 E 1,603
7-Month Total	E <b>14,213</b>	E <b>2,335</b>	E <b>234</b>	E <b>54</b>	E 11,589	E 557	E 11,032
2003 7-Month Total 2002 7-Month Total	E 14,143 14,016	<sup>E</sup> 2,167 1,987	<sup>E</sup> 218 299	<sup>E</sup> 57 57	E 11,700 11,674	<sup>E</sup> 562 561	E 11,138 11,113

a Gas withdrawn from gas and oil wells.
 b The injection of natural gas into oil and gas formations for pressure maintenance and cycling purposes.
 c See Note 6 at end of section.
 d Vented: Natural gas released into the air on the base site or at processing plants. Flared: Natural gas burned in flares on the base site or at gas processing plants.
 e "Gross Withdrawals" minus "Repressuring," "Nonhydrocarbon Gases Removed," and "Vented and Flared." See Note 7 at end of section.
 f See Note 8 at end of section.

<sup>9 &</sup>quot;Marketed Production (Wet)" minus "Extraction Loss."

h May include unknown quantities of nonhydrocarbon gases.
R=Revised. NA=Not available. E=Estimate.
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.
Web Page: http://www.eia.doe.gov/emeu/mer/natgas.html.
Sources: • 1973-1998: Energy Information Administration (EIA), Natural Gas Annual 2000, Table 93. • 1999 forward: EIA, Natural Gas Monthly, September 2004, Table 1.

**Table 4.3 Natural Gas Trade by Country** 

	Imports									Exp	orts	
	Algeria <sup>a</sup>	Australiaa	<b>Canada</b> <sup>b</sup>	<b>Mexico</b> b	Qatar <sup>a</sup>	Trinidad and Tobago <sup>a</sup>	Other	Total	<b>Canada</b> <sup>b</sup>	Japan <sup>a</sup>	<b>Mexico</b> b	Total
1973 Total 1974 Total 1975 Total 1975 Total 1976 Total 1977 Total 1978 Total 1978 Total 1980 Total 1981 Total 1982 Total 1983 Total 1984 Total 1985 Total 1985 Total 1986 Total 1987 Total 1987 Total 1988 Total 1988 Total 1998 Total 1999 Total 1999 Total 1999 Total 1991 Total 1992 Total 1993 Total 1994 Total 1995 Total 1997 Total 1998 Total 1997 Total 1998 Total 1998 Total 1999 Total 1997 Total 1998 Total 1998 Total 1999 Total 1998 Total 1999 Total 1999 Total 1999 Total 1998 Total 1999 Total 1998 Total 1997 Total 1998 Total 1999 Total	3 0 5 10 11 84 253 86 37 55 131 36 24 0 0 17 42 84 43 82 51 18 83 64 43 86 64 43 86 64 43 64 64 64 64 64 66 66 66 66 66 66 66 66	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,028 959 948 954 997 881 1,001 797 762 783 712 755 926 749 993 1,276 1,339 1,448 1,710 2,094 2,267 2,566 2,816 2,899 3,052 3,368 3,544 3,729	2 (s) 0 0 2 0 0 102 105 955 75 2 0 0 0 0 0 0 2 7 7 14 17 15 5 12 10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,033 959 953 964 1,011 966 1,253 985 904 933 918 843 950 750 993 1,294 1,382 1,773 2,138 2,350 2,624 2,841 2,937 2,994 3,152 3,586 3,782 3,977	15 13 10 8 (s) (s) (s) (s) (s) (s) 9 3 20 38 15 68 45 53 85 56 40 40 73 167	48 50 53 50 52 48 51 45 55 50 53 53 53 54 55 53 54 55 56 66 66 66 66 66 66 66	14 13 9 7 4 4 4 4 3 2 2 2 2 2 2 2 17 60 96 40 47 61 38 56 11 61 61 61 61 61 61 61 61 61 61 61 61	77 77 77 78 65 56 53 69 59 52 55 61 74 107 86 129 216 140 162 154 157 159 244 373
2002 January February March April May June July August September October November December Total	3 0 0 2 7 5 5 0 0 0 3 3 27	0 0 0 0 0 0 0	334 298 322 298 291 292 323 332 319 316 309 351 3,785	1 1 0 0 0 0 0 0 0 0 0	0 0 0 5 6 14 5 3 3 0 0 0 3	5 8 10 10 10 7 11 16 14 22 19 18 <b>151</b>	0 0 0 5 0 6 0 5 0 0	343 306 333 315 319 318 345 356 343 331 341 4,015	16 16 14 13 15 14 12 12 13 10 28 26 189	6 4 6 7 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	13 11 18 19 23 25 28 29 28 26 21 23 263	34 30 38 39 39 45 47 47 42 55 55 55
2003 January	0 0 3 11 4 3 5 3 8 11 3 3 5	0 0 0 0 0 0 0	342 293 298 285 282 262 288 272 279 275 327 3,490	0 0 0 0 0 0 0 0 0	0 0 2 0 0 0 3 0 6 3 0 0	23 21 26 19 30 34 44 35 29 38 40 37	0 0 3 11 11 5 11 11 6 4 0	365 314 329 317 328 310 345 337 326 336 322 367 <b>3,996</b>	27 28 32 26 18 20 16 16 21 20 32 38 294	4 6 6 6 6 4 3 7 5 5 8 6 6 6 6 6 4	28 25 17 20 29 30 27 30 28 33 33 32 <b>33</b>	60 59 55 52 50 54 50 51 55 61 71 76 <b>692</b>
2004 January	5 8 11 E 8 E 5 E 16 NA <b>NA</b>	0 0 0 0 E 3 E 3 NA	319 297 292 270 274 R 281 E 316 E <b>2,049</b>	0 0 0 0 0 0	0 0 0 E 3 E 3 0 NA	43 41 38 RE 35 RE 36 RE 34 NA	5 0 0 0 E 6 E 4 NA <b>NA</b>	372 346 341 RE 316 RE 328 RE 338 E 374 E <b>2,414</b>	21 26 36 E 21 E 19 E 18 E 16	5 6 7 2 4 6 <b>34</b>	29 26 28 E 32 E 32 E 32 E 32 E 32	55 57 70 E 60 E 53 E 54 E 54 E 403
2003 7-Month Total 2002 7-Month Total	26 21	0 0	2,050 2,159	0 2	5 30	198 62	31 5	2,309 2,279	166 100	35 35	177 136	379 272

Notes: • See Note 9 at end of section. • Totals may not equal sum of components due to independent rounding. • U.S. geographic coverage is the 50 States and the District of Columbia.

Web Page: http://www.eia.doe.gov/emeu/mer/natgas.html.
Sources: • 1973-1987: Energy Information Administration (EIA), Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." • 1988-1998: EIA, Natural Gas Annual, annual reports. • 1999 forward: EIA, Natural Gas Monthly, September 2004, Tables 5 and 6; and Department of Energy, Office of Fossil Energy, "Natural Gas Imports and Exports."

<sup>&</sup>lt;sup>a</sup> As liquefied natural gas.
<sup>b</sup> By pipeline, except for very small amounts of liquefied natural gas imported from Canada in 1973, 1977, and 1981 and exported to Mexico beginning in 1998. See Note 9 at end of section.
<sup>c</sup> Indonesia 1986 and 2000; the United Arab Emirates 1996-2000; Malaysia 1999 and 2002-2004; Nigeria 2000 forward; Oman 2000 forward; and Brunei 2002

<sup>2002.</sup>R=Revised. NA=Not available. E=Estimate. (s)=Less than 500 million cubic

Table 4.4 Natural Gas Consumption by Sector

(=	End-Use Sectors											
								Tro	nsportatio			
					Industrial Other Industr	ial		Pipelinesd	isportatio	11	Electric	
	Resi- dential	Com- mercial <sup>a</sup>	Lease and Plant Fuel	CHPb	Non-CHP <sup>c</sup>	Total	Total	and Dis- tribution <sup>e</sup>	Vehicle Fuel	Total	Power Sector <sup>f,g</sup>	Total
1973 Total 1974 Total 1975 Total 1976 Total 1977 Total 1977 Total 1978 Total 1978 Total 1980 Total 1981 Total 1982 Total 1983 Total 1984 Total 1985 Total 1985 Total 1986 Total 1987 Total 1987 Total 1987 Total 1988 Total 1989 Total 1999 Total 1999 Total 1991 Total 1992 Total 1993 Total 1994 Total 1995 Total 1995 Total 1995 Total 1996 Total 1997 Total 1998 Total 1997 Total 1998 Total 1998 Total 1997 Total 1998 Total 1997 Total 1998 Total 1998 Total 1998 Total 1999 Total	4,786 4,921 4,903 4,965 4,754 4,633 4,381 4,315 4,630 4,781 4,556 4,850 4,956 4,850 5,241 4,520 4,726 4,996	2,597 2,556 2,508 2,668 2,501 2,601 2,786 2,611 2,520 2,606 2,433 2,524 2,430 2,670 2,718 2,623 2,729 2,803 2,895 3,031 3,158 3,215 2,999 3,045 3,182 3,023	1,496 1,477 1,396 1,634 1,659 1,648 1,499 1,026 928 1,109 978 1,077 966 923 1,149 1,096 1,070 1,236 1,171 1,172 1,124 1,220 1,250 1,203 1,173 1,079 1,151 1,119	(h) (h) (h) (h) (h) (h) (h) (h) (h) (h)	8,689 8,292 6,968 6,964 6,815 6,757 6,899 7,172 7,128 5,831 5,643 6,154 5,901 5,579 5,953 6,383 5,963 6,420 6,576 6,613 6,906 7,146 7,1229 6,965 6,678 6,757 6,035	8,689 8,292 6,968 6,964 6,815 6,757 6,899 7,172 7,128 5,831 6,154 5,579 5,953 6,383 6,381 6,816 7,031 17,231 17,237 7,790 8,164 8,435 8,079 8,142 7,344	10,185 9,769 8,365 8,598 8,474 8,405 8,398 8,055 6,941 6,621 7,231 6,622 7,103 7,479 7,886 8,255 8,360 8,698 8,913 9,384 9,685 9,714 9,493 9,158 9,293 8,463	728 669 583 548 533 530 601 635 642 599 504 485 519 614 629 660 588 624 685 700 711 751 635 642 685 700	NA A A A A A A A A A A A A A A A A A A	728 669 583 548 530 601 635 642 596 649 529 601 629 6602 590 627 718 645 760 645 655 640	3,660 3,443 3,158 3,081 3,191 3,188 3,491 3,682 3,640 3,226 2,911 3,111 3,044 2,632 2,844 2,636 9,3,105 13,245 13,245 13,245 13,448 3,473 3,903 4,237 4,065 4,588 4,820 5,206 5,342	22,049 21,223 19,538 19,946 19,521 19,627 20,241 19,877 19,404 18,001 16,835 17,951 17,281 16,221 17,211 18,030 19,119 19,174 19,562 20,228 20,790 21,247 22,207 22,2610 22,737 22,246 22,333 22,239
Page 2 January	816 713 661 415 255 160 125 116 124 251 483 771 <b>4,890</b>	430 397 369 264 190 144 133 139 195 295 414 <b>3,103</b>	96 86 96 92 95 92 95 94 89 92 92 95 1,114	114 100 107 97 107 102 111 108 101 97 97 98 1,240	577 535 553 552 507 495 499 506 476 517 535 64 <b>6,316</b>	691 635 660 649 614 597 610 614 577 615 632 662 <b>7,557</b>	786 721 756 742 709 689 705 708 666 706 725 758 <b>8,671</b>	73 66 66 54 46 46 50 50 44 47 55 69 <b>667</b>	E 1 E 1 E 1 E 1 E 1 E 1 E 1 E 1 E 1 E 1	74 67 67 56 47 47 52 51 45 49 57 71 <b>682</b>	381 344 407 404 410 551 734 718 569 442 352 360 <b>5,672</b>	2,488 2,243 2,260 1,881 1,612 1,591 1,749 1,725 1,543 1,643 1,911 2,373 23,018
2003 January	R 678 R 416 250 158 127 116 128 230 414	R 510 476 381 256 177 135 130 127 133 177 249 R 387	E 96 E 87 E 98 E 93 E 95 E 92 E 94 E 92 E 94 E 92 E 91 E 95 E 95	106 93 98 87 85 93 99 104 83 98 95 98	R 571 R 540 R 506 R 478 R 464 R 409 R 469 R 467 R 472 R 492 R 534 R 5,894	R 677 R 633 R 604 R 565 R 549 R 502 R 568 R 571 R 555 R 5590 R 587 R 632 R <b>7,033</b>	R 773 R 720 R 702 R 658 R 644 R 594 R 662 R 666 R 647 R 684 R 677 R 727	78 72 63 50 43 39 46 47 40 44 50 65 8	E 1 E 1 E 1 E 1 E 1 E 1 E 1 E 1 E 1	79 73 64 51 45 40 47 48 41 46 51 R 67 R 652	367 329 353 333 381 411 609 654 434 391 338 329 <b>4,930</b>	R 2.675 2,486 2,178 R 1,714 R 1,497 R 1,338 R 1,671 R 1,611 R 1,384 R 1,529 R 1,729 R 2,251 R 21,967
2004 January	R 968 860 594 R 384 214 R 145 125 <b>3,290</b>	R 490 460 344 242 165 R 133 123 <b>1,957</b>	E 96 E 89 E 95 RE 91 RE 92 E 91 E 94 E <b>648</b>	89 92 91 90 104 R 97 106 <b>671</b>	R 589 550 532 R 488 453 R 452 449 <b>3,513</b>	678 642 623 R 579 558 R 550 555 <b>4,184</b>	R 774 731 718 R 670 R 650 R 641 649 <b>4,833</b>	77 72 60 50 44 R 42 44 389	E 1 E 1 E 1 E 1 E 1 E 1 E 1	E 78 E 73 E 61 E 51 E 46 RE 43 E 46 E 398	342 356 355 369 456 R 486 601 <b>2,965</b>	R 2,652 2,480 R 2,073 R 1,716 R 1,531 R 1,447 1,545 <b>13,443</b>
2003 7-Month Total 2002 7-Month Total	3,464 3,146	2,064 1,928	<sup>E</sup> 655 652	661 738	3,437 3,718	4,098 4,457	4,753 5,109	390 401	E 9 E 9	399 410	2,783 3,232	13,463 13,823

a All commercial sector fuel use, including that at commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See note at end of Section 7. See Table 7.3c for CHP fuel use.

b Industrial combined-heat-and-power (CHP) and a small number of industrial electrity-only plants. See note at end of Section 7.

c All industrial sector fuel use other than that in "Lease and Plant Fuel" and "CHP."

d Natural gas consumed in the operation of pipelines, primarily in compressors.
e Natural gas used as fuel in the delivery of natural gas to consumers.
f The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.
g Through 1988, data are for consumption at electric utilities only. Beginning in

<sup>1989,</sup> data also include consumption at independent power producers.

<sup>h</sup> Included in "Non-CHP."

<sup>i</sup> For 1989-1992, a small amount of consumption at independent power producers may be counted in both "Other Industrial" and "Electric Power Sector."

See Note 5 at end of section.

R=Revised. E=Estimate. NA=Not available. (s)=Less than 500 million cubic feet

teet.

Notes: 

Data are for natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

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

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

Web Page: http://www.eia.doe.gov/emeu/mer/natgas.html.

Sources: See end of section.

Table 4.5 Natural Gas in Underground Storage

(Volumes in Billion Cubic Feet)

973 Total 974 Total 975 Total 976 Total 977 Total 977 Total 977 Total 978 Total 979 Total 980 Total 981 Total 982 Total 983 Total 983 Total 985 Total 985 Total 986 Total 987 Total 987 Total 987 Total 988 Total 989 Total 989 Total 999 Total 991 Total 992 Total 992 Total 993 Total 994 Total 995 Total 996 Total 997 Total 998 Total 998 Total 997 Total 998 Total 997 Total 998 Total 999 Total 997 Total 998 Total 999 Total	2,864 2,912 3,162 3,323 3,391 3,473 3,553 3,642 3,752 3,808 3,847 3,830 3,842 3,819 3,792 3,800 3,812 3,800 4,349 4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,349 4,341 4,352 4,301	2,034 2,050 2,212 1,926 2,475 2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,850 2,850 2,851 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	Total <sup>a</sup> 4,898 4,962 5,374 5,250 5,866 6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,442 6,706 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,071 7,204	Volume  305 16 162 -286 549 72 207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806 1,185	Percent  17.6 .8 7.9 -12.9 28.5 2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 -5.5 .3 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6 -31.9	1,533 1,701 1,760 1,921 1,750 2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772 3,498	1,974 1,784 2,104 1,756 2,307 2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,906 2,800 2,905 2,598 2,684	-442 -84 -344 -344 -165 -557 -120 -248 -14 -293 -305 -442 -188 -231 -140 -6 -6 -6 -9 -80 -80 -168 -43 -288 -408 -43 -288 -408 -41 -526 -526 -574 -5174 -514
974 Total 975 Total 976 Total 977 Total 978 Total 977 Total 978 Total 979 Total 980 Total 981 Total 981 Total 982 Total 982 Total 983 Total 984 Total 985 Total 986 Total 987 Total 998 Total 998 Total 998 Total 999 Total 999 Total 991 Total 991 Total 992 Total 993 Total 994 Total 995 Total 997 Total 996 Total 997 Total 998 Total 998 Total 997 Total 998 Total 998 Total 999 Total 997 Total 998 Total 998 Total 999 Total 998 Total 999 Total 998 Total 999 Total 990 Total 999 Total	2,912 3,162 3,323 3,391 3,473 3,553 3,642 3,752 3,808 3,847 3,830 3,819 3,792 3,800 3,812 3,819 3,912 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,341 4,350 4,352 4,301	2,050 2,212 1,926 2,475 2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,174	4,962 5,374 5,250 5,866 6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,548 6,567 6,548 6,650 6,325 6,936 6,778 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906 6,906	16 162 -286 549 72 207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	.8 7.9 -12.9 28.5 2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1	1,701 1,760 1,921 1,750 2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,379 2,772	1,784 2,104 1,756 2,307 2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-84 -344 -165 -557 -120 -248 14 -293 -305 -48 231 -140 -6 69 313 -499 80 168 -43 -288 408 -43 -288 408 -43 -43 -43 -43 -43 -44 -43 -43 -44 -43 -44 -43 -44 -43 -44 -43 -44 -43 -44 -44
975 Total 976 Total 977 Total 978 Total 979 Total 980 Total 981 Total 981 Total 982 Total 983 Total 985 Total 985 Total 986 Total 986 Total 997 Total 998 Total 998 Total 998 Total 998 Total 998 Total 999 Total 999 Total 991 Total 991 Total 992 Total 992 Total 993 Total 995 Total 996 Total 997 Total 998 Total 997 Total 998 Total 998 Total 999 Total 998 Total 999 Total 996 Total 997 Total 998 Total 998 Total 998 Total 998 Total 997 Total 998 Total 998 Total 999 Total 900 Total 000 Total	2,912 3,162 3,323 3,391 3,473 3,553 3,642 3,752 3,808 3,847 3,830 3,819 3,792 3,800 3,812 3,819 3,912 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,341 4,350 4,352 4,301	2,050 2,212 1,926 2,475 2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,174	4,962 5,374 5,250 5,866 6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,548 6,567 6,548 6,650 6,325 6,936 6,778 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906 6,906	16 162 -286 549 72 207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	.8 7.9 -12.9 28.5 2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1	1,701 1,760 1,921 1,750 2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,379 2,772	1,784 2,104 1,756 2,307 2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-84 -344 -165 -557 -120 -248 14 -293 -305 -48 231 -140 -6 69 313 -499 80 168 -43 -288 408 -43 -288 408 -43 -43 -43 -43 -43 -44 -43 -43 -44 -43 -44 -43 -44 -43 -44 -43 -44 -43 -44 -44
975 Total 976 Total 977 Total 978 Total 979 Total 980 Total 981 Total 981 Total 982 Total 983 Total 985 Total 985 Total 986 Total 986 Total 997 Total 998 Total 998 Total 998 Total 998 Total 998 Total 999 Total 999 Total 991 Total 991 Total 992 Total 992 Total 993 Total 995 Total 996 Total 997 Total 998 Total 997 Total 998 Total 998 Total 999 Total 998 Total 999 Total 996 Total 997 Total 998 Total 998 Total 998 Total 998 Total 997 Total 998 Total 998 Total 999 Total 900 Total 000 Total	3,323 3,391 3,473 3,553 3,642 3,752 3,808 3,847 3,842 3,819 3,792 3,812 3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,341 4,350 4,341 4,350 4,341 4,350 4,350 4,350 4,350 4,360	1,926 2,475 2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,854 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	5,250 5,866 6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906	-286 549 72 207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	-12.9 28.5 2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 -5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	1,921 1,750 2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	1,756 2,307 2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	165 -557 -120 -248 14 -293 -305 442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
976 Total 977 Total 978 Total 978 Total 979 Total 980 Total 981 Total 982 Total 983 Total 984 Total 985 Total 986 Total 986 Total 987 Total 987 Total 987 Total 988 Total 989 Total 989 Total 999 Total 991 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 997 Total 998 Total 997 Total 998 Total 997 Total 998 Total 998 Total 999 Total 997 Total 998 Total 999 Total 999 Total 999 Total 999 Total 999 Total 999 Total 900 Total 000 Total	3,323 3,391 3,473 3,553 3,642 3,752 3,808 3,847 3,842 3,819 3,792 3,812 3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,341 4,350 4,341 4,350 4,341 4,350 4,350 4,350 4,350 4,360	1,926 2,475 2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,854 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	5,250 5,866 6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906	-286 549 72 207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	-12.9 28.5 2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 -5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	1,921 1,750 2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	1,756 2,307 2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	165 -557 -120 -248 14 -293 -305 442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
977 Total 977 Total 979 Total 979 Total 980 Total 981 Total 981 Total 982 Total 983 Total 984 Total 985 Total 985 Total 986 Total 987 Total 987 Total 987 Total 998 Total 999 Total 991 Total 992 Total 993 Total 994 Total 994 Total 995 Total 996 Total 997 Total 997 Total 998 Total 998 Total 999 Total 996 Total 997 Total 998 Total 998 Total 999 Total 998 Total 999 Total 999 Total 999 Total 999 Total 900 Total 001 Total 001 Total 002 January February March April May June July August September October November December Total	3,391 3,473 3,553 3,642 3,752 3,808 3,847 3,830 3,819 3,792 3,800 3,812 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,350 4,341 4,352 4,361	2,475 2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,851 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	5,866 6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906	72 207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	1,750 2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,307 2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-120 -248 14 -293 -305 442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 -44 -526 24 -526 174 814
978 Total 978 Total 980 Total 981 Total 982 Total 982 Total 983 Total 984 Total 985 Total 986 Total 986 Total 987 Total 987 Total 988 Total 989 Total 999 Total 991 Total 991 Total 991 Total 991 Total 995 Total 995 Total 996 Total 996 Total 997 Total 996 Total 997 Total 998 Total 997 Total 998 Total 997 Total 998 Total 997 Total 998 Total 998 Total 997 Total 998 Total 998 Total 997 Total 998 Total 999 Total 997 Total 998 Total 999 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	3,473 3,553 3,642 3,752 3,808 3,847 3,830 3,842 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,343 4,352 4,361	2,547 2,753 2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,173 2,173 2,175 2,175	6,020 6,306 6,297 6,569 6,879 6,442 6,706 6,448 6,550 6,325 6,936 6,778 6,649 6,649 6,503 6,513 6,513 6,513 6,525 7,056 6,906 6,071	207 -99 162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	2.9 8.1 -3.6 6.1 9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,158 2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,278 2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-120 -248 14 -293 -305 442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 -43 -288 408 -44 -526 174 814
979 Total 980 Total 981 Total 981 Total 982 Total 983 Total 984 Total 985 Total 985 Total 986 Total 987 Total 989 Total 999 Total 991 Total 991 Total 992 Total 993 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 997 Total 997 Total 998 Total 998 Total 997 Total 998 Total 998 Total 997 Total 998 Total 998 Total 999 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	3,642 3,752 3,808 3,847 3,830 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,350 4,350 4,352 4,301	2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,306 6,297 6,569 6,879 6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906	-99 162 255 -476 281 -270 142 7 94 -337 -555 -244 -227 -275 284 -453 19 2 554 -207 -806	-3.6 6.1 9.0 -15.5 10.8 -9.4 5.5 3 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,047 1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,295 1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	14 -293 -305 -442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
981 Total 982 Total 982 Total 983 Total 984 Total 985 Total 985 Total 986 Total 987 Total 988 Total 989 Total 999 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 997 Total 996 Total 997 Total 997 Total 998 Total 998 Total 997 Total 998 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	3,642 3,752 3,808 3,847 3,830 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,350 4,350 4,352 4,301	2,655 2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,297 6,569 6,879 6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,906	162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	6.1 9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	1,910 1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	1,896 2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-293 -305 442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 6 6 24 -526 174 814
981 Total 982 Total 982 Total 983 Total 984 Total 985 Total 986 Total 986 Total 987 Total 989 Total 999 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 997 Total 998 Total 997 Total 998 Total 998 Total 996 Total 997 Total 998 Total 997 Total 998 Total 998 Total 997 Total 998 Total 997 Total 998 Total 998 Total 999 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	3,752 3,808 3,847 3,830 3,842 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,383 4,352 4,301	2,817 3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,173 2,175 2,730 2,523 1,719 2,904	6,569 6,879 6,442 6,706 6,448 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,071	162 255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	6.1 9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	1,887 2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,180 2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-293 -305 442 -188 231 -140 -6 6 9 313 -499 80 168 -43 -288 408 6 24 -526 174 814
982 Total 983 Total 984 Total 985 Total 985 Total 986 Total 987 Total 988 Total 988 Total 998 Total 999 Total 991 Total 992 Total 993 Total 994 Total 995 Total 995 Total 996 Total 996 Total 997 Total 998 Total 998 Total 999 Total 900 Total 901 Total 902 January February March April May June July August September October November December Total	3,808 3,847 3,830 3,842 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,349 4,341 4,350 4,349 4,341 4,352 4,368 4,352 4,360	3,071 2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,879 6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,071	255 -476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	9.0 -15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,094 2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,399 1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-305 442 -188 231 -140 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
983 Total 984 Total 985 Total 986 Total 986 Total 987 Total 988 Total 989 Total 989 Total 999 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 996 Total 997 Total 996 Total 997 Total 998 Total 998 Total 999 To	3,847 3,830 3,842 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,349 4,341 4,350 4,350 4,350 4,350 4,360	2,595 2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,442 6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	-476 281 -270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	-15.5 10.8 -9.4 5.5 .3 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,142 2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	1,700 2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	442 -188 231 -140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
984 Total 985 Total 986 Total 987 Total 988 Total 988 Total 989 Total 999 Total 991 Total 992 Total 993 Total 994 Total 995 Total 995 Total 996 Total 997 Total 997 Total 998 Total 998 Total 998 Total 999 Total 999 Total 999 Total 999 Total 900 Total 001 Total 002 January February March April May June July August September October November December Total	3,830 3,842 3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,383 4,352 4,301	2,876 2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,173 2,175 2,730 2,523 1,719 2,904	6,706 6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,071	-270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	-9.4 5.5 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,064 2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,252 2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,796 2,800 2,905 2,905 2,598	231 -140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
985 Total 986 Total 987 Total 988 Total 988 Total 989 Total 999 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 996 Total 997 Total 998 Total 997 Total 998 Total 999 Total 998 Total 999 Total 999 Total 999 Total 999 Total 999 Total 999 Total 900 Total 001 Total 002 January February March April May June July August September October November December Total	3,842 3,819 3,792 3,800 3,812 3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,607 2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,448 6,567 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,071	-270 142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	-9.4 5.5 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,359 1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,128 1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	231 -140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
986 Total 987 Total 988 Total 988 Total 989 Total 999 Total 990 Total 991 Total 992 Total 993 Total 995 Total 995 Total 996 Total 997 Total 998 Total 998 Total 999 Total 990 Total 900 Total 901 Total 902 January 903 January 904 January 905 January 906 Total 907 Total 908 Total 909 Tota	3,819 3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,350 4,383 4,352 4,301	2,749 2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,567 6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	142 7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	5.5 .3 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5 -7.6	1,812 1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	1,952 1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-140 -6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
987 Total 988 Total 989 Total 990 Total 991 Total 991 Total 992 Total 993 Total 993 Total 994 Total 995 Total 996 Total 997 Total 997 Total 998 Total 999 Total 999 Total 990 Total 991 Total 999 Total 999 Total 900 Total 901 Total 902 January February March April May June July August September October November December Total	3,792 3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,341 4,350 4,341 4,350 4,326 4,383 4,352 4,301	2,756 2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,548 6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,906	7 94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	.3 3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5	1,881 2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	1,887 2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-6 69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
988 Total 989 Total 999 Total 991 Total 991 Total 992 Total 993 Total 994 Total 995 Total 996 Total 996 Total 997 Total 997 Total 998 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	3,800 3,812 3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,850 2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,650 6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,513 6,525 7,056 6,906 6,071	94 -337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	3.4 -11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5	2,244 2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,174 2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	69 313 -499 80 168 -43 -288 408 6 24 -526 174 814
989 Total 990 Total 991 Total 991 Total 992 Total 993 Total 993 Total 994 Total 995 Total 996 Total 997 Total 997 Total 998 Total 998 Total 999 Total 999 Total 900 Total 901 Total 901 Total 902 January February March April May June July August September October November December Total	3,812 3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,513 3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,325 6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	-337 555 -244 -227 -275 284 -453 19 2 554 -207 -806	-11.8 22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5	2,804 1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,491 2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	313 -499 80 168 -43 -288 408 6 24 -526 -174 814
990 Total 991 Total 992 Total 992 Total 993 Total 994 Total 995 Total 995 Total 996 Total 997 Total 998 Total 999 To	3,868 3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	3,068 2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,936 6,778 6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	555 -244 -227 -275 284 -453 19 2 554 -207 -806	22.1 -8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5	1,934 2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,433 2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	-499 80 168 -43 -288 408 6 24 -526 174 814
991 Total 992 Total 993 Total 994 Total 994 Total 995 Total 996 Total 997 Total 998 Total 999 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	3,954 4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,824 2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,778 6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	-244 -227 -275 284 -453 19 2 554 -207	-8.0 -8.0 -10.6 12.2 -17.4 .9 .1 25.5	2,689 2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,608 2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	80 168 -43 -288 408 6 24 -526 174 814
992 Total 993 Total 994 Total 995 Total 996 Total 996 Total 997 Total 998 Total 999 Total 999 Total 999 Total 999 Total 991 Total 992 January February March April May June July August September October November December Total	4,044 4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,597 2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,641 6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	-227 -275 284 -453 19 2 554 -207	-8.0 -10.6 12.2 -17.4 .9 .1 25.5	2,724 2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,555 2,760 2,796 2,566 2,906 2,800 2,905 2,598	168 -43 -288 408 6 24 -526 174 814
993 Total 994 Total 995 Total 995 Total 996 Total 997 Total 998 Total 999 Total 999 Total 999 Total 999 Total 999 Total 999 Total 990 Total 901 Total 902 January 902 February 903 April 904 May 905 June 906 July 907 August 908 September 908 October 908 November 908 December 909 Total	4,327 4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,322 2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,649 6,966 6,503 6,513 6,525 7,056 6,906 6,071	-275 284 -453 19 2 554 -207 -806	-10.6 12.2 -17.4 .9 .1 25.5 -7.6	2,717 2,508 2,974 2,911 2,824 2,379 2,772	2,760 2,796 2,566 2,906 2,800 2,905 2,598	-43 -288 408 6 24 -526 174 814
994 Total 995 Total 996 Total 997 Total 998 Total 999 Total 999 Total 900 Total 001 Total 002 January February March April May June July August September October November December Total	4,360 4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,606 2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,966 6,503 6,513 6,525 7,056 6,906 6,071	284 -453 19 2 554 -207 -806	12.2 -17.4 .9 .1 25.5 -7.6	2,508 2,974 2,911 2,824 2,379 2,772	2,796 2,566 2,906 2,800 2,905 2,598	-288 408 6 24 -526 174 814
995 Total 996 Total 997 Total 998 Total 998 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	4,349 4,341 4,350 4,326 4,383 4,352 4,301	2,153 2,173 2,175 2,730 2,523 1,719 2,904	6,503 6,513 6,525 7,056 6,906 6,071	-453 19 2 554 -207 -806	-17.4 .9 .1 25.5 -7.6	2,974 2,911 2,824 2,379 2,772	2,566 2,906 2,800 2,905 2,598	408 6 24 -526 174 814
996 Total 997 Total 998 Total 999 Total 999 Total 999 Total 990 Total	4,341 4,350 4,326 4,383 4,352 4,301	2,173 2,175 2,730 2,523 1,719 2,904	6,513 6,525 7,056 6,906 6,071	19 2 554 -207 -806	.9 .1 25.5 -7.6	2,911 2,824 2,379 2,772	2,906 2,800 2,905 2,598	6 24 -526 174 814
997 Total 998 Total 999 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	4,350 4,326 4,383 4,352 4,301	2,175 2,730 2,523 1,719 2,904	6,525 7,056 6,906 6,071	2 554 -207 -806	.1 25.5 -7.6	2,824 2,379 2,772	2,800 2,905 2,598	24 -526 174 814
998 Total 999 Total 000 Total 001 Total 002 January February March April May June July August September October November December Total	4,326 4,383 4,352 4,301	2,730 2,523 1,719 2,904	7,056 6,906 6,071	554 -207 -806	25.5 -7.6	2,379 2,772	2,905 2,598	-526 174 814
999 Total	4,383 4,352 4,301	2,523 1,719 2,904	6,906 6,071	-207 -806	-7.6	2,772	2,598	174 814
000 Total           001 Total           002 January           February           March           April           May           June           July           August           September           October           November           December           Total	4,352 4,301	1,719 2,904	6,071	-806				814
001 Total           002 January           February           March           April           May           June           July           August           September           October           November           December           Total	4,301	2,904			-31.9	3,498	2,684	
Populary	•	•	7,204	1,185				
February March April May June July August September October November December Total	4.313			,	68.9	2,309	3,464	-1,156
March April May June July August September October November December Total		2,344	6,657	1,078	85.2	606	59	546
April May June July August September October November December Total	4,356	1,838	6,194	925	101.4	520	55	464
May June July August September October November December Total	4,355	1,518	5,873	776	104.7	428	108	320
June	4,355	1,659	6,014	666	67.1	112	238	-126
July	4,361	1,968	6,329	528	36.7	60	381	-322
August September October November December Total	4,355	2,308	6,663	426	22.6	56	397	-341
September October November December Total	4,358	2,539	6,896	278	12.3	101	343	-242
October  November  December  Total	4,357	2,773	7,130	198	7.7	90	325	-236
November December Total	4,342	3,042	7,384	97	3.3	71	340	-269
Total	4,342	3,116	7,458	-28	9	145	232	-87
December Total	4,344	2,929	7,273	-325	-10.0	322	124	198
Total	4,340	2,375	6,715	-528	-18.2	627	66	560
	4,340	2,375	6,715	-528	-18.2	3,138	2,670	468
<b>003</b> January	4,342	1,534	5,876	-810	-34.5	886	44	841
February	4,334	864	5,198	-974	-53.0	723	48	676
March	4,324	730	5,054	-788	-51.9	305	169	136
April	4,315	896	5,211	-763	-46.0	118	277	-158
May	4,322	1,300	5,622	-668	-33.9	41	453	-412
June	4,323	1,768	6,091	-540	-23.4	36	506	-470
July	4,323	2,129	6,451	-410	-16.1	64	426	-361
	4,323	2,129	6,760	-338	-12.2	62	371	-309
August September	4,324	2,435 2,843	7,171	-336 -199	-12.2 -6.5	31	441	-309
	4,327	3,130	7,171	14	-0.5 .5	59	343	-284
October November				110	3.7	228		
	4,305	3,038	7,343				142	86
December Total	4,305 <b>4,305</b>	2,565 <b>2,565</b>	6,869 <b>6,869</b>	189 <b>189</b>	8.0 <b>8.0</b>	543 <b>3,095</b>	70 <b>3,288</b>	473 <b>-193</b>
004 January	4,301	1,751	6,052	217	14.1	869	59	811
February	4,297	1,156	5,452	292	33.8	646	47	600
March	4,283	1,058	5,342	328	45.0	269	165	103
April	4,283	1,252	5,535	357	39.8	95	293	-198
May	4,287	1,624	5,911	323	24.9	43	421	-379
June	4,284	2,023	6,307	255	14.4	31	428	-397
July	4,287	2,395	6,681	266	12.5	56	422	-366
7-Month Total	-	_	-	-	-	2,010	1,835	174
003 7-Month Total 002 7-Month Total		_	-	<u>-</u> -		2,172 1,883	1,921 1,582	251 301

<sup>&</sup>lt;sup>a</sup> For total underground storage capacity at the end of each calendar year, see Note 8 at end of section.

<sup>b</sup> For 1980-2002, data differ from those shown on Table 4.1, which include

Poli 1302-202, data differ from those shown on Table 4.1, which makes liquefied natural gas storage for that period.

Positive numbers indicate that withdrawals are greater than injections. Negative numbers indicate that injections are greater than withdrawals. Net withdrawals or injections may not equal the difference between applicable

ending stocks. See Note 2 at end of section.

-=Not applicable.

Notes:

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

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

Web Page: http://www.eia.doe.gov/emeu/mer/natgas.html.

Sources: See end of section.

## **Natural Gas**

**Note 1. Supplemental Gaseous Fuels:** Any gaseous substance that, introduced into or commingled with natural gas, increases the volume available for disposition. Such substances include, but are not limited to, propane-air, refinery gas, coke oven gas, still gas, manufactured gas, biomass gas, or air or inert gases added for Btu stabilization.

Annual data beginning with 1980 are from the Energy Information Administration (EIA) *Natural Gas Annual (NGA)*. Unknown quantities of supplemental gaseous fuels are included in consumption data for 1979 and earlier years.

Monthly data are considered preliminary until after the publication of the EIA *NGA*. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. The ratio is applied to the monthly sum of the three elements to compute a monthly supplemental gaseous fuels figure.

**Note 2. Storage**: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals from the quantity in storage at the end of the previous period. The difference is due to changes in the quantity of native gas included in the base gas and/or losses in base gas due to migration from storage reservoirs.

Total underground storage capacity at the end of each calendar year since 1975 (first year data were available), in billion cubic feet, was:

<b>1975</b> 6,280	<b>1985</b> 8,087	<b>1995</b> 7,953
<b>1976</b> 6,544	<b>1986</b> 8,145	<b>1996</b> 7,980
<b>1977</b> 6,678	<b>1987</b> 8,124	<b>1997</b> 8,332
<b>1978</b> 6,890	<b>1988</b> 8,124	<b>1998</b> 8,179
<b>1979</b> 6,929	<b>1989</b> 8,124	<b>1999</b> 8,229
<b>1980</b> 7,434	<b>1990</b> 8,125	<b>2000</b> 8,241
<b>1981</b> 7,805	<b>1991</b> 7,993	<b>2001</b> 8,415
<b>1982</b> 7,915	<b>1992</b> 7,932	<b>2002</b> 8,207
<b>1983</b> 7,985	<b>1993</b> 7,989	
<b>1984</b> 8,043	<b>1994</b> 8,043	

Monthly underground storage data are collected from the Federal Energy Regulatory Commission (FERC) Form FERC-8 (interstate data) and EIA Form EIA-191 (intrastate data). Beginning in January 1991, all data are collected on the revised Form EIA-191. Injection and withdrawal data from the FERC-8/EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the EIA *NGA*.

The final monthly and annual storage and withdrawal data for 1980–2001 include both underground and liquefied natural gas (LNG) storage. Annual data on LNG additions and withdrawals are from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying the ratio to the annual LNG data.

Note 3. Balancing Item: The balancing item for natural gas represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas disposition. The differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

The increase of 0.2 trillion cubic feet (Tcf) in the "Balancing Item" category in 1983, followed by a decline of 0.5 Tcf in 1984, reflected unusually large differences resulting from the use of the annual billing cycle (essentially December 15 through the following December 14) consumption data in conjunction with calendar year supply data. Record cold temperatures during the last half of December 1983 resulted in a reported 0.3 Tcf increase in net withdrawals from underground storage for peak shaving as compared with the same period in 1982, but the effect of this cold weather was reflected primarily in 1984 consumption data. For underground storage data, see Table F2 in the May 1985 Energy Information Administration (EIA) *Natural Gas Monthly NGM*, which was published in July 1985.

**Note 4. Consumption**: Consumption includes pipeline fuel use, lease and plant fuel use, and deliveries to consuming sectors.

Final data for series other than "Other Industrial CHP" and "Electric Power Sector" are from the EIA *NGA*. Monthly data are considered preliminary until after publication of the EIA *NGA*. For more detailed information on the methods of estimating preliminary and final monthly data, see the EIA *NGM*.

**Note 5. Consumption**, **1989-1992:** Prior to 1993, deliveries to nonutility generators were not separately collected from natural gas companies on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." As a result, for 1989 through 1992, those volumes are probably included in both the industrial and electric power sectors and double-counted in total consumption. In 1993, 0.28 trillion cubic feet was reported as delivered to nonutility generators.

**Note 6. Nonhydrocarbon Gases Removed**: Annual data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen—are from the EIA *NGA*. Data are not available prior to 1980. Monthly data are reported by three States and computed for six States. Monthly data are preliminary until after publication of the EIA *NGA*. Differences between annual data published in the EIA *NGA* and the sum of the preliminary monthly data (January–December) are allocated proportionally to the months to create final monthly data.

For further information on methods of estimating preliminary monthly data, see the EIA *NGM*.

### Note 7. Production.

Annual data—Final annual data are from the EIA NGA.

Estimated monthly data—Data for the two most recent months presented are estimated. Some of the data for earlier months are also estimated or computed. For a discussion of computation and estimation procedures, see the EIA *NGM*.

Preliminary monthly data—Monthly data are considered preliminary until after publication of the EIA *NGA*. Preliminary monthly data are gathered from reports to the Interstate Oil Compact Commission and the U.S. Minerals Management Service. Volumetric data are converted, as necessary, to a standard 14.73 psi pressure base. Unless there are major changes, data are not revised until after publication of the EIA *NGA*.

Final monthly data—Differences between annual data in the EIA *NGA* and the sum of preliminary monthly data (January–December) are allocated proportionally to the months to create final monthly data.

**Note 8. Extraction Loss**: Extraction loss is the reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Annual data are from the EIA *NGA*, where they are estimated on the basis of the type and quantity of liquid products extracted from the gas stream and the calculated volume of such products at standard conditions. For a detailed explanation of the calculations used to derive estimated extraction losses, see the EIA *NGA*.

Preliminary monthly data are estimated on the basis of extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Monthly data are revised and considered final after the publication of the EIA *NGA*. Final monthly data are estimated by allocating annual extraction loss data to the months on the basis of total natural gas marketed production data from the EIA NGA.

Note 9. Imports and Exports: The United States imports natural gas via pipeline from Canada and Mexico and imports liquefied natural gas (LNG) via tanker from Algeria, Australia, Indonesia, Nigeria, Oman, Qatar, Trinidad and Tobago, and the United Arab Emirates. In addition, very small amounts of LNG arrived from Canada in 1973 (667 million cubic feet), 1977 (572 million cubic feet), and 1981 (6 million cubic feet). The United States exports natural gas via pipeline to Canada and Mexico and exports LNG via tanker to Japan. Also, small amounts of LNG have gone to Mexico since 1998.

Annual and final monthly data are from the annual EIA Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas," which requires data to be reported by month for the calendar year.

Preliminary monthly data are EIA estimates. For a discussion of estimation procedures, see the EIA *NGM*. Preliminary data are revised after the publication of the EIA *U.S. Imports and Exports of Natural Gas*.

### **Table 4.4 Sources**

# Residential, Commercial, Lease and Plant Fuel, and Pipeline Fuel

1973–1998: Energy Information Administration (EIA), *Natural Gas Annual 2000*, Table 95.

1999 forward: EIA, *Natural Gas Monthly*, September 2004, Table 3.

### **Other Industrial Total**

1973–1992: EIA, *Natural Gas Annual 2000*, Table 95. 1993–1998: EIA, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." 1999 forward: EIA, *Natural Gas Monthly*, September 2004, Table 3.

### **Other Industrial CHP**

Table 7.3c.

### **Electric Power Sector**

1973–1988: Table 7.3e. 1989 forward: Table 7.3b.

### Vehicle Fuel

Annual Data:

1990 and 1991: EIA, *Natural Gas Annual 2000*, Table 95. 1992–1995: Science Applications International Corporation, "Alternative Transportation Fuels and Vehicles Data Development," unpublished final report prepared for EIA (McLean, VA, July 1996) and U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy. 1996–2003: EIA, Office of Coal, Nuclear, Electric, and

Alternative Fuels.

Monthly Estimates: Derived by dividing the annual value by the number of days in the year and then multiplying by the number of days in the month.

All Other Series: Calculated.

### **Table 4.5 Sources**

### **Storage Activity**

1973–1975: Energy Information Administration (EIA) *Natural Gas Annual 1994, Volume 2*, Table 9.

1976–1979: EIA, Natural Gas Production and Consumption 1979, Table 1.

1980–1995: EIA, *Historical Natural Gas Annual 1930 Through* 2000, Table 11.

1996–1998: EIA, *Natural Gas Monthly*, February 2003, Table 9. 1999 forward: EIA, *Natural Gas Monthly*, September 2004, Table 9.

#### Other Data

1973 and 1974: American Gas Association (AGA), *Gas Facts*, 1972 Data, Table 57, Gas Facts, 1973 Data, Table 57, and Gas Facts, 1974 Data, Table 40.

1975 and 1976: Federal Energy Administration (FEA), Form FEA-G318-M-O, "Underground Gas Storage Report," and Federal Power Commission (FPC), Form FPC-8, "Underground Gas Storage Report."

1977 and 1978: EIA, Form FEA-G-318-M-O, "Underground Gas Storage Report," and Federal Energy

Regulatory Commission (FERC), Form FERC-8, "Underground Gas Storage Report."

1979–1995: EIA, Form EIA-191, "Underground Gas Storage Report," and FERC, Form FERC-8, "Underground Gas Storage Report."

1996–2000: EIA, *Natural Gas Monthly*, February 2002, Table 9.

2001: EIA, *Natural Gas Monthly*, February 2004, Table 9. 2002 forward: EIA, *Natural Gas Monthly*, September 2004, Table 9.