



Independent Statistics & Analysis
U.S. Energy Information
Administration

Refinery Capacity Report

June 2012

With Data as of January 1, 2012



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Table 1. Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 2012

PAD District and State	Number of Operable Refineries			Atmospheric Crude Oil Distillation Capacity					
				Barrels per Calendar Day			Barrels per Stream Day		
	Total	Operating	Idle ^a	Total	Operating	Idle ^b	Total	Operating	Idle ^b
PAD District I	11	8	3	1,188,200	1,010,200	178,000	1,254,700	1,064,700	190,000
Delaware.....	1	1	0	182,200	182,200	0	190,200	190,200	0
Georgia.....	1	0	1	28,000	0	28,000	32,000	0	32,000
New Jersey.....	5	3	2	548,000	398,000	150,000	575,000	417,000	158,000
Pennsylvania.....	3	3	0	410,000	410,000	0	435,500	435,500	0
West Virginia.....	1	1	0	20,000	20,000	0	22,000	22,000	0
PAD District II	27	25	2	3,664,700	3,625,200	39,500	4,006,488	3,963,188	43,300
Illinois.....	4	4	0	939,600	917,600	22,000	978,500	955,500	23,000
Indiana.....	2	2	0	363,500	363,500	0	457,500	457,500	0
Kansas.....	3	3	0	339,200	339,200	0	347,500	347,500	0
Kentucky.....	2	1	1	238,500	233,000	5,500	259,300	253,000	6,300
Michigan.....	1	1	0	106,000	106,000	0	114,000	114,000	0
Minnesota.....	2	2	0	351,200	351,200	0	404,500	404,500	0
North Dakota.....	1	1	0	60,000	60,000	0	62,000	62,000	0
Ohio.....	4	4	0	528,000	528,000	0	591,500	591,500	0
Oklahoma.....	6	5	1	520,700	508,700	12,000	556,688	542,688	14,000
Tennessee.....	1	1	0	180,000	180,000	0	190,000	190,000	0
Wisconsin.....	1	1	0	38,000	38,000	0	45,000	45,000	0
PAD District III	57	54	3	8,725,015	8,548,126	176,889	9,325,562	9,136,455	189,107
Alabama.....	3	3	0	120,100	120,100	0	130,000	130,000	0
Arkansas.....	2	2	0	90,500	90,500	0	92,700	92,700	0
Louisiana.....	19	18	1	3,246,020	3,191,020	55,000	3,403,855	3,347,855	56,000
Mississippi.....	3	3	0	364,000	364,000	0	397,500	397,500	0
New Mexico.....	3	2	1	142,900	126,100	16,800	156,107	138,000	18,107
Texas.....	27	26	1	4,761,495	4,656,406	105,089	5,145,400	5,030,400	115,000
PAD District IV	17	17	0	623,300	623,300	0	667,600	667,600	0
Colorado.....	2	2	0	103,000	103,000	0	110,000	110,000	0
Montana.....	4	4	0	187,600	187,600	0	196,400	196,400	0
Utah.....	5	5	0	167,200	167,200	0	176,400	176,400	0
Wyoming.....	6	6	0	165,500	165,500	0	184,800	184,800	0
PAD District V	32	30	2	3,120,963	2,937,465	183,498	3,306,000	3,113,500	192,500
Alaska.....	6	6	0	384,792	292,094	92,698	413,500	317,500	96,000
California.....	18	16	2	1,955,971	1,865,171	90,800	2,078,000	1,981,500	96,500
Hawaii.....	2	2	0	147,500	147,500	0	152,000	152,000	0
Nevada.....	1	1	0	2,000	2,000	0	5,000	5,000	0
Washington.....	5	5	0	630,700	630,700	0	657,500	657,500	0
U.S. Total	144	134	10	17,322,178	16,744,291	577,887	18,560,350	17,945,443	614,907
Virgin Islands.....	1	1	0	500,000	350,000	150,000	525,000	365,000	160,000

Table 1. Number and Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 2012

PAD District and State	Downstream Charge Capacity (Barrels per Stream Day)							
	Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Hydro- Cracking	Catalytic Reforming	Hydrotreating/ Desulfurization	Fuels Solvent Deasphalting
			Fresh	Recycled				
PAD District I	560,400	81,500	515,500	5,000	22,300	213,950	956,800	20,000
Delaware	104,600	54,500	82,000	4,000	22,300	43,800	155,500	0
Georgia	0	0	0	0	0	0	0	0
New Jersey	244,000	27,000	270,000	0	0	64,000	412,100	20,000
Pennsylvania	203,200	0	163,500	1,000	0	102,200	370,600	0
West Virginia	8,600	0	0	0	0	3,950	18,600	0
PAD District II	1,658,912	480,176	1,314,401	16,500	307,000	922,573	3,590,712	17,850
Illinois	472,200	211,400	323,800	3,000	86,500	262,400	898,150	0
Indiana	259,100	40,000	183,600	7,200	0	72,500	380,800	0
Kansas	147,500	66,000	102,000	500	38,500	81,000	367,200	0
Kentucky	119,000	0	104,000	0	0	53,500	269,800	13,000
Michigan	55,000	0	32,500	0	0	21,500	105,500	0
Minnesota	218,500	67,000	115,500	0	50,000	69,300	401,000	0
North Dakota	0	0	27,000	3,600	0	12,500	34,900	0
Ohio	158,500	58,000	200,000	0	102,000	167,500	466,500	0
Oklahoma	208,612	37,776	145,001	2,200	30,000	138,373	484,562	4,850
Tennessee	0	0	70,000	0	0	36,000	149,600	0
Wisconsin	20,500	0	11,000	0	0	8,000	32,700	0
PAD District III	4,598,575	1,510,380	3,118,305	42,000	938,000	1,766,790	8,896,790	240,400
Alabama	48,000	32,000	0	0	18,500	37,300	98,000	0
Arkansas	48,500	0	21,000	0	0	15,200	91,400	7,400
Louisiana	1,687,400	553,300	1,164,400	5,500	334,800	585,500	2,878,500	67,500
Mississippi	338,875	105,000	88,000	0	74,000	95,600	295,300	0
New Mexico	29,600	0	41,500	3,500	0	36,300	158,600	0
Texas	2,446,200	820,080	1,803,405	33,000	510,700	996,890	5,374,990	165,500
PAD District IV	239,600	89,300	200,006	4,990	29,800	132,300	558,160	6,000
Colorado	33,500	0	30,000	500	0	21,900	85,000	0
Montana	99,300	47,100	60,000	990	6,200	39,050	205,710	0
Utah	32,500	8,500	57,400	3,000	8,000	37,300	133,200	6,000
Wyoming	74,300	33,700	52,606	500	15,600	34,050	134,250	0
PAD District V	1,622,156	602,000	884,300	16,400	582,500	606,200	2,562,800	90,300
Alaska	31,500	0	0	0	13,000	14,200	24,500	0
California	1,227,556	507,700	716,300	13,400	484,500	430,500	2,090,600	66,000
Hawaii	71,300	11,000	22,000	0	20,000	13,000	16,500	0
Nevada	5,000	0	0	0	0	0	0	0
Washington	286,800	83,300	146,000	3,000	65,000	148,500	431,200	24,300
U.S. Total	8,679,643	2,763,356	6,032,512	84,890	1,879,600	3,641,813	16,565,262	374,550
Virgin Islands	225,000	102,000	149,000	0	0	107,000	503,000	0

^a Refineries where distillation units were completely idle but not permanently shutdown on January 1, 2012.

^b Includes capacity from refineries that are either completely or partially idle.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Table 2. Production Capacity of Operable Petroleum Refineries by PAD District and State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

PAD District and State	Production Capacity							
	Alkylates	Aromatics	Asphalt and Road Oil	Isomers	Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons/day)
PAD District I	79,429	10,111	145,165	26,500	21,045	21,120	74	1,079
Delaware	11,729	5,191	0	6,000	0	13,620	40	596
Georgia	0	0	24,000	0	0	0	0	0
New Jersey	37,200	0	98,500	4,000	12,000	7,500	31	290
Pennsylvania	30,500	4,920	22,065	16,500	2,945	0	0	192
West Virginia	0	0	600	0	6,100	0	3	1
PAD District II	272,820	95,400	268,214	143,750	9,100	148,101	589	6,710
Illinois	83,900	19,900	35,100	15,500	0	71,095	199	2,397
Indiana	33,700	16,800	52,900	29,000	0	10,000	34	584
Kansas	31,000	2,200	4,000	28,150	0	18,956	77	690
Kentucky	21,000	3,300	27,000	15,000	0	0	0	448
Michigan	5,000	0	23,000	0	0	0	0	146
Minnesota	18,000	0	58,000	9,000	0	24,800	184	1,264
North Dakota	4,400	0	0	0	0	0	0	17
Ohio	28,950	18,200	23,800	31,200	0	14,200	33	676
Oklahoma	33,270	0	36,914	15,900	9,100	9,050	62	338
Tennessee	12,000	29,000	0	0	0	0	0	116
Wisconsin	1,600	6,000	7,500	0	0	0	0	34
PAD District III	625,750	187,900	216,625	304,526	172,395	461,944	1,067	22,351
Alabama	0	0	15,000	6,700	0	7,120	33	230
Arkansas	5,000	0	22,000	7,500	5,000	0	13	157
Louisiana	222,600	35,300	60,100	116,120	68,500	154,823	206	6,631
Mississippi	18,600	21,000	36,125	1,400	23,000	35,500	243	1,300
New Mexico	10,900	0	3,300	13,973	0	0	38	205
Texas	368,650	131,600	80,100	158,833	75,895	264,501	534	13,828
PAD District IV	45,950	0	76,350	15,659	0	27,575	182	993
Colorado	0	0	12,250	985	0	0	22	116
Montana	17,550	0	38,300	5,950	0	13,375	102	449
Utah	18,400	0	1,800	8,700	0	2,500	0	95
Wyoming	10,000	0	24,000	24	0	11,700	58	333
PAD District V	222,926	3,500	89,333	197,425	39,800	164,350	1,303	5,530
Alaska	0	2,000	12,000	4,500	0	0	13	27
California	182,526	1,500	58,833	149,925	39,800	139,700	1,147	4,724
Hawaii	5,000	0	0	3,200	0	0	21	38
Nevada	0	0	5,000	0	0	0	0	0
Washington	35,400	0	13,500	39,800	0	24,650	122	741
U.S. Total	1,246,875	296,911	795,687	687,860	242,340	823,090	3,215	36,663
Virgin Islands	19,000	20,000	0	20,000	0	19,000	0	550

^a Includes hydrogen production capacity of hydrogen plants on refinery grounds.

MMcfd = Million cubic feet per day.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Directory of Operable Petroleum Refineries on Tables 3 and 4

Refiner	State(s) ^a	Refiner	State(s) ^a
Alon Bakersfield Operating Inc.....	CA	Lunday Thagard Co.....	CA
Alon Refining Krotz Springs Inc.....	LA	Marathon Petroleum Co LLC.....	IL, KY, LA, MI, OH, TX
AlonUSA Energy Inc.....	TX	Martin Midstream Partners LP.....	AR
American Refining Group Inc.....	PA	Montana Refining Co.....	MT
BP Exploration Alaska Inc.....	AK	Motiva Enterprises LLC.....	LA, TX
BP Products North America Inc.....	IN, TX	NCRA.....	KS
BP West Coast Products LLC.....	CA, WA	Navajo Refining Co LLC.....	NM
BP-Husky Refining LLC.....	OH	Nustar Asphalt Refining LLC.....	GA, NJ
Big West Oil Co.....	UT	Nustar Refining LLC.....	TX
Calcasieu Refining Co.....	LA	PDV Midwest Refining LLC.....	IL
Calumet Lubricants Co LP.....	LA, WI	Paramount Petroleum Corporation.....	CA
Calumet Shreveport LLC.....	LA	Pasadena Refining Systems Inc.....	TX
Cenex Harvest States Coop.....	MT	Paulsboro Refining Co LLC.....	NJ
Chalmette Refining LLC.....	LA	Pelican Refining Company LLC.....	LA
ChevronUSA Inc.....	CA, HI, MS, NJ, UT	Petro Star Inc.....	AK
Citgo Petroleum Corp.....	LA	Placid Refining Co.....	LA
Citgo Refining & Chemical Inc.....	TX	Premcor Refining Group Inc.....	TN, TX
Coffeyville Resources Rfg & Mktg.....	KS	San Joaquin Refining Co Inc.....	CA
ConocoPhillips Alaska Inc.....	AK	Santa Maria Refining Company.....	CA
ConocoPhillips Company.....	CA, LA, MT, NJ, OK, TX, WA	Shell Chemical LP.....	AL
Continental Refining Company LLC.....	KY	Shell Oil Products US.....	CA, LA, WA
Countrymark Cooperative Inc.....	IN	Silver Eagle Refining.....	UT, WY
Deer Park Refining LTD Partnership.....	TX	Sinclair Wyoming Refining Co.....	WY
Delaware City Refining Co LLC.....	DE	South Hampton Resources Inc.....	TX
Delek Refining LTD.....	TX	St Paul Park Refining Co LLC.....	MN
Equistar Chemicals LP.....	TX	Suncor Energy (USA) Inc.....	CO
Ergon Refining Inc.....	MS	Sunoco Inc (R&M).....	PA
Ergon West Virginia Inc.....	WV	Tesoro Alaska Petroleum Co.....	AK
Excel Paralubes.....	LA	Tesoro Hawaii Corp.....	HI
ExxonMobil Refining & Supply Co.....	CA, IL, LA, MT, TX	Tesoro Refining & Marketing Co.....	CA
Flint Hills Resources LP.....	AK, MN, TX	Tesoro West Coast.....	ND, UT, WA
Foreland Refining Corp.....	NV	Toledo Refining Co LLC.....	OH
Frontier El Dorado Refining Co.....	KS	Total Petrochemicals Inc.....	TX
Frontier Refining Inc.....	WY	Trigeant LTD.....	TX
Garco Energy LLC.....	WY	US Oil & Refining Co.....	WA
Goodway Refining LLC.....	AL	United Refining Co.....	PA
Hess Corporation.....	NJ	Valero Energy Corporation.....	LA, TX
Holly Refining & Marketing Co.....	OK, UT	Valero Refining Co California.....	CA
Houston Refining LP.....	TX	Valero Refining Co Oklahoma.....	OK
Hovensa LLC.....	VI	Valero Refining Co Texas LP.....	TX
Hunt Refining Co.....	AL	Valero Refining New Orleans LLC.....	LA
Hunt Southland Refining Co.....	MS	Ventura Refining & Transmission LLC.....	OK
Kern Oil & Refining Co.....	CA	WRB Refining LP.....	IL, TX
Lazarus Energy LLC.....	TX	Western Refining Company LP.....	TX
Lima Refining Company.....	OH	Western Refining Southwest Inc.....	NM
Lion Oil Co.....	AR	Wynnewood Refining Co.....	OK
Little America Refining Co.....	WY	Wyoming Refining Co.....	WY

^a Includes Puerto Rico (PR) and Virgin Islands (VI).

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	Other/Gas Oil
Alabama	120,100	0	130,000	0	48,000	32,000	0	0	0
Goodway Refining LLC									
Atmore	4,100	0	5,000	0	0	0	0	0	0
Hunt Refining Co									
Tuscaloosa	36,000	0	40,000	0	18,000	32,000	0	0	0
Shell Chemical LP									
Saraland	80,000	0	85,000	0	30,000	0	0	0	0
Alaska	292,094	92,698	317,500	96,000	31,500	0	0	0	0
BP Exploration Alaska Inc									
Prudhoe Bay	6,935	0	8,000	0	0	0	0	0	0
ConocoPhillips Alaska Inc									
Prudhoe Bay	15,000	0	16,000	0	0	0	0	0	0
Flint Hills Resources LP									
North Pole	127,459	92,698	139,000	96,000	5,500	0	0	0	0
Petro Star Inc									
North Pole	19,700	0	22,500	0	0	0	0	0	0
Valdez	55,000	0	60,000	0	0	0	0	0	0
Tesoro Alaska Petroleum Co									
Kenai	68,000	0	72,000	0	26,000	0	0	0	0
Arkansas	90,500	0	92,700	0	48,500	0	0	0	0
Lion Oil Co									
El Dorado	83,000	0	85,000	0	45,000	0	0	0	0
Martin Midstream Partners LP									
Smackover	7,500	0	7,700	0	3,500	0	0	0	0
California	1,865,171	90,800	1,981,500	96,500	1,227,556	450,700	52,000	5,000	0
Alon Bakersfield Operating Inc									
Bakersfield	0	0	0	0	0	0	0	0	0
BP West Coast Products LLC									
Los Angeles	240,000	0	266,000	0	140,000	67,100	0	0	0
ChevronUSA Inc									
El Segundo	276,000	0	290,500	0	169,100	77,600	0	0	0
Richmond	245,271	0	257,200	0	123,456	0	0	0	0
ConocoPhillips Company									
Rodeo	120,200	0	128,000	0	93,200	51,000	0	0	0
Wilmington	139,000	0	147,000	0	82,000	53,200	0	0	0
ExxonMobil Refining & Supply Co									
Torrance	149,500	0	155,800	0	102,300	53,000	0	0	0
Kern Oil & Refining Co									
Bakersfield	26,000	0	27,000	0	0	0	0	0	0
Lunday Thagard Co									
South Gate	8,500	0	10,000	0	7,000	0	0	0	0
Paramount Petroleum Corporation ^a									
Paramount	0	84,500	0	90,000	30,000	0	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Alabama	0	0	0	18,500	0	15,300	22,000	0
Goodway Refining LLC								
Atmore	0	0	0	0	0	0	0	0
Hunt Refining Co								
Tuscaloosa	0	0	0	18,500	0	15,300	0	0
Shell Chemical LP								
Saraland	0	0	0	0	0	0	22,000	0
Alaska	0	0	0	13,000	0	14,200	0	0
BP Exploration Alaska Inc								
Prudhoe Bay	0	0	0	0	0	0	0	0
ConocoPhillips Alaska Inc								
Prudhoe Bay	0	0	0	0	0	0	0	0
Flint Hills Resources LP								
North Pole	0	0	0	0	0	0	0	0
Petro Star Inc								
North Pole	0	0	0	0	0	0	0	0
Valdez	0	0	0	0	0	0	0	0
Tesoro Alaska Petroleum Co								
Kenai	0	0	0	13,000	0	14,200	0	0
Arkansas	21,000	0	0	0	0	15,200	0	7,400
Lion Oil Co								
El Dorado	21,000	0	0	0	0	15,200	0	7,400
Martin Midstream Partners LP								
Smackover	0	0	0	0	0	0	0	0
California	716,300	13,400	191,500	293,000	0	213,800	216,700	66,000
Alon Bakersfield Operating Inc								
Bakersfield	0	0	0	15,000	0	8,000	0	0
BP West Coast Products LLC								
Los Angeles	102,500	0	55,000	0	0	10,000	43,000	0
ChevronUSA Inc								
El Segundo	73,800	0	0	52,300	0	49,000	0	0
Richmond	90,000	0	0	103,400	0	71,300	0	66,000
ConocoPhillips Company								
Rodeo	0	0	0	62,000	0	0	34,000	0
Wilmington	51,600	0	27,500	0	0	0	36,200	0
ExxonMobil Refining & Supply Co								
Torrance	87,800	12,400	23,000	0	0	0	18,000	0
Kern Oil & Refining Co								
Bakersfield	0	0	0	0	0	2,500	3,300	0
Lunday Thagard Co								
South Gate	0	0	0	0	0	0	0	0
Paramount Petroleum Corporation ^a								
Paramount	0	0	0	0	0	0	12,000	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Alabama	33,000	0	2,500	8,000	22,000	0	32,500	0
Goodway Refining LLC								
Atmore	0	0	0	0	0	0	0	0
Hunt Refining Co								
Tuscaloosa	11,000	0	2,500	0	22,000	0	10,500	0
Shell Chemical LP								
Saraland	22,000	0	0	8,000	0	0	22,000	0
Alaska	13,000	0	0	11,500	0	0	0	0
BP Exploration Alaska Inc								
Prudhoe Bay	0	0	0	0	0	0	0	0
ConocoPhillips Alaska Inc								
Prudhoe Bay	0	0	0	0	0	0	0	0
Flint Hills Resources LP								
North Pole	0	0	0	0	0	0	0	0
Petro Star Inc								
North Pole	0	0	0	0	0	0	0	0
Valdez	0	0	0	0	0	0	0	0
Tesoro Alaska Petroleum Co								
Kenai	13,000	0	0	11,500	0	0	0	0
Arkansas	20,000	6,500	0	30,900	0	0	21,000	13,000
Lion Oil Co								
El Dorado	20,000	6,500	0	30,900	0	0	21,000	8,000
Martin Midstream Partners LP								
Smackover	0	0	0	0	0	0	0	5,000
California	443,600	228,300	196,100	335,200	120,500	0	711,200	55,700
Alon Bakersfield Operating Inc								
Bakersfield	8,000	0	0	0	0	0	21,000	0
BP West Coast Products LLC								
Los Angeles	45,000	27,000	10,000	21,000	0	0	95,000	0
ChevronUSA Inc								
El Segundo	59,000	0	36,300	44,400	14,000	0	73,700	0
Richmond	57,600	64,800	96,000	64,800	0	0	65,000	34,000
ConocoPhillips Company								
Rodeo	27,500	0	0	32,000	0	0	0	0
Wilmington	50,800	0	12,900	32,000	0	0	55,000	0
ExxonMobil Refining & Supply Co								
Torrance	24,700	0	0	18,000	0	0	106,500	0
Kern Oil & Refining Co								
Bakersfield	5,000	0	0	0	9,000	0	0	0
Lunday Thagard Co								
South Gate	0	0	0	0	0	0	0	0
Paramount Petroleum Corporation ^a								
Paramount	15,000	0	8,500	13,000	0	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
California	1,865,171	90,800	1,981,500	96,500	1,227,556	450,700	52,000	5,000	0
San Joaquin Refining Co Inc Bakersfield	15,000	0	25,000	0	14,300	0	0	5,000	0
Santa Maria Refining Company Santa Maria	9,500	0	10,000	0	10,000	0	0	0	0
Shell Oil Products US Martinez	156,400	0	158,000	0	102,000	25,000	22,500	0	0
Tesoro Refining & Marketing Co Martinez	166,000	0	170,000	0	156,900	53,000	0	0	0
Wilmington	103,800	0	107,000	0	65,000	42,000	0	0	0
Valero Refining Co California Benicia	132,000	0	150,000	0	81,300	0	29,500	0	0
Wilmington Asphalt Plant	0	6,300	0	6,500	5,000	0	0	0	0
Wilmington Refinery	78,000	0	80,000	0	46,000	28,800	0	0	0
Colorado	103,000	0	110,000	0	33,500	0	0	0	0
Suncor Energy (USA) Inc Commerce City East	36,000	0	38,000	0	8,500	0	0	0	0
Commerce City West	67,000	0	72,000	0	25,000	0	0	0	0
Delaware	182,200	0	190,200	0	104,600	0	54,500	0	0
Delaware City Refining Co LLC Delaware City	182,200	0	190,200	0	104,600	0	54,500	0	0
Georgia	0	28,000	0	32,000	0	0	0	0	0
Nustar Asphalt Refining LLC Savannah	0	28,000	0	32,000	0	0	0	0	0
Hawaii	147,500	0	152,000	0	71,300	0	0	11,000	0
ChevronUSA Inc Honolulu	54,000	0	57,000	0	31,300	0	0	0	0
Tesoro Hawaii Corp Ewa Beach	93,500	0	95,000	0	40,000	0	0	11,000	0
Illinois	917,600	22,000	955,500	23,000	472,200	211,400	0	0	0
ExxonMobil Refining & Supply Co Joliet	238,600	0	248,000	0	126,700	59,400	0	0	0
Marathon Petroleum Co LLC Robinson	206,000	0	215,000	0	71,500	29,000	0	0	0
PDV Midwest Refining LLC Lemont	167,000	0	170,500	0	75,000	40,000	0	0	0
WRB Refining LP Wood River	306,000	22,000	322,000	23,000	199,000	83,000	0	0	0
Indiana	363,500	0	457,500	0	259,100	40,000	0	0	0
BP Products North America Inc Whiting	337,000	0	430,000	0	247,000	40,000	0	0	0
Countrymark Cooperative Inc Mount Vernon	26,500	0	27,500	0	12,100	0	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
California	716,300	13,400	191,500	293,000	0	213,800	216,700	66,000
San Joaquin Refining Co Inc								
Bakersfield	0	0	0	0	0	0	0	0
Santa Maria Refining Company								
Santa Maria	0	0	0	0	0	0	0	0
Shell Oil Products US								
Martinez	72,000	0	42,000	0	0	31,000	0	0
Tesoro Refining & Marketing Co								
Martinez	72,000	1,000	0	37,000	0	24,000	0	0
Wilmington	35,000	0	10,000	23,300	0	0	33,000	0
Valero Refining Co California								
Benicia	75,300	0	34,000	0	0	0	37,200	0
Wilmington Asphalt Plant	0	0	0	0	0	0	0	0
Wilmington Refinery	56,300	0	0	0	0	18,000	0	0
Colorado	30,000	500	0	0	0	21,900	0	0
Suncor Energy (USA) Inc								
Commerce City East	9,000	500	0	0	0	11,000	0	0
Commerce City West	21,000	0	0	0	0	10,900	0	0
Delaware	82,000	4,000	0	22,300	0	43,800	0	0
Delaware City Refining Co LLC								
Delaware City	82,000	4,000	0	22,300	0	43,800	0	0
Georgia	0	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC								
Savannah	0	0	0	0	0	0	0	0
Hawaii	22,000	0	2,000	18,000	0	13,000	0	0
ChevronUSA Inc								
Honolulu	22,000	0	0	0	0	0	0	0
Tesoro Hawaii Corp								
Ewa Beach	0	0	2,000	18,000	0	13,000	0	0
Illinois	323,800	3,000	0	86,500	0	211,400	51,000	0
ExxonMobil Refining & Supply Co								
Joliet	99,300	0	0	0	0	52,600	0	0
Marathon Petroleum Co LLC								
Robinson	54,500	0	0	28,500	0	80,000	0	0
PDV Midwest Refining LLC								
Lemont	69,000	3,000	0	0	0	0	33,300	0
WRB Refining LP								
Wood River	101,000	0	0	58,000	0	78,800	17,700	0
Indiana	183,600	7,200	0	0	0	6,500	66,000	0
BP Products North America Inc								
Whiting	175,400	7,000	0	0	0	0	66,000	0
Countrymark Cooperative Inc								
Mount Vernon	8,200	200	0	0	0	6,500	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
California	443,600	228,300	196,100	335,200	120,500	0	711,200	55,700
San Joaquin Refining Co Inc Bakersfield	0	0	0	0	3,000	0	0	0
Santa Maria Refining Company Santa Maria	0	0	0	0	0	0	0	0
Shell Oil Products US Martinez	27,500	50,000	0	0	49,000	0	81,500	0
Tesoro Refining & Marketing Co Martinez	27,000	43,300	0	40,000	18,500	0	69,500	0
Wilmington	34,500	0	17,000	10,000	22,000	0	38,000	0
Valero Refining Co California Benicia	30,000	43,200	15,400	15,000	5,000	0	39,000	21,700
Wilmington Asphalt Plant	0	0	0	0	0	0	0	0
Wilmington Refinery	32,000	0	0	45,000	0	0	67,000	0
Colorado	21,900	0	12,100	21,000	0	0	30,000	0
Suncor Energy (USA) Inc Commerce City East	11,000	0	0	0	0	0	0	0
Commerce City West	10,900	0	12,100	21,000	0	0	30,000	0
Delaware	50,000	32,000	16,500	27,000	30,000	0	0	0
Delaware City Refining Co LLC Delaware City	50,000	32,000	16,500	27,000	30,000	0	0	0
Georgia	0	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC Savannah	0	0	0	0	0	0	0	0
Hawaii	13,000	0	0	0	0	0	0	3,500
ChevronUSA Inc Honolulu	0	0	0	0	0	0	0	3,500
Tesoro Hawaii Corp Ewa Beach	13,000	0	0	0	0	0	0	0
Illinois	418,300	121,500	66,250	292,100	0	0	0	0
ExxonMobil Refining & Supply Co Joliet	169,100	0	0	85,100	0	0	0	0
Marathon Petroleum Co LLC Robinson	66,500	41,500	0	79,000	0	0	0	0
PDV Midwest Refining LLC Lemont	99,400	0	13,000	82,000	0	0	0	0
WRB Refining LP Wood River	83,300	80,000	53,250	46,000	0	0	0	0
Indiana	82,000	6,500	54,500	134,700	0	0	103,100	0
BP Products North America Inc Whiting	72,000	0	54,500	123,700	0	0	103,100	0
Countrymark Cooperative Inc Mount Vernon	10,000	6,500	0	11,000	0	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
Kansas	339,200	0	347,500	0	147,500	66,000	0	0	0
Coffeyville Resources Rfg & Mktg Coffeyville	115,700	0	120,000	0	46,000	25,000	0	0	0
Frontier El Dorado Refining Co El Dorado	138,000	0	140,000	0	64,000	19,000	0	0	0
NCRA McPherson	85,500	0	87,500	0	37,500	22,000	0	0	0
Kentucky	233,000	5,500	253,000	6,300	119,000	0	0	0	0
Continental Refining Company LLC Somerset (Formerly Somerset Energy Refining LLC)	0	5,500	0	6,300	0	0	0	0	0
Marathon Petroleum Co LLC Catlettsburg	233,000	0	253,000	0	119,000	0	0	0	0
Louisiana	3,191,020	55,000	3,347,855	56,000	1,687,400	542,700	0	0	10,600
Alon Refining Krotz Springs Inc Krotz Springs	80,000	0	83,000	0	36,200	0	0	0	0
Calcasieu Refining Co Lake Charles	78,000	0	80,000	0	30,000	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	13,020	0	14,000	0	0	0	0	0	0
Princeton	8,300	0	8,655	0	7,000	0	0	0	0
Calumet Shreveport LLC Shreveport	57,000	0	60,000	0	28,000	0	0	0	0
Chalmette Refining LLC Chalmette	192,500	0	195,000	0	116,700	30,000	0	0	0
Citgo Petroleum Corp Lake Charles	427,800	0	440,000	0	230,000	110,000	0	0	0
ConocoPhillips Company Belle Chasse	247,000	0	260,000	0	92,000	27,000	0	0	0
Westlake	239,400	0	252,000	0	132,000	60,000	0	0	10,600
Excel Paralubes Westlake	0	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co Baton Rouge	502,500	0	523,200	0	246,100	123,500	0	0	0
Marathon Petroleum Co LLC Garyville	490,000	0	518,000	0	268,000	87,000	0	0	0
Motiva Enterprises LLC Convent	235,000	0	255,000	0	119,400	0	0	0	0
Norco	233,500	0	250,000	0	95,000	28,200	0	0	0
Pelican Refining Company LLC Lake Charles	0	0	0	0	12,000	0	0	0	0
Placid Refining Co Port Allen	57,000	0	59,000	0	27,000	0	0	0	0
Shell Oil Products US Saint Rose (Formerly Shell Chemical LP)	0	55,000	0	56,000	28,000	0	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Kansas	102,000	500	0	38,500	0	57,500	23,500	0
Coffeyville Resources Rfg & Mktg Coffeyville	36,000	0	0	0	0	26,000	0	0
Frontier El Dorado Refining Co El Dorado	42,000	0	0	0	0	7,500	23,500	0
NCRA McPherson	24,000	500	0	38,500	0	24,000	0	0
Kentucky	104,000	0	0	0	0	21,500	32,000	13,000
Continental Refining Company LLC Somerset	0	0	0	0	0	0	1,000	0
(Formerly Somerset Energy Refining LLC) Marathon Petroleum Co LLC Catlettsburg	104,000	0	0	0	0	21,500	31,000	13,000
Louisiana	1,164,400	5,500	27,000	255,800	52,000	435,900	149,600	67,500
Alon Refining Krotz Springs Inc Krotz Springs	34,000	0	0	0	0	0	13,000	0
Calcasieu Refining Co Lake Charles	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	0	0	0	0	0	0	0	0
Princeton	0	0	0	0	0	0	0	0
Calumet Shreveport LLC Shreveport	0	0	0	0	0	12,000	0	0
Chalmette Refining LLC Chalmette	75,600	0	0	0	0	18,500	0	0
Citgo Petroleum Corp Lake Charles	145,000	3,000	0	45,800	0	58,000	52,000	0
ConocoPhillips Company Belle Chasse	102,000	2,000	0	0	0	0	44,600	0
Westlake	50,000	0	0	0	0	38,400	0	0
Excel Paralubes Westlake	0	0	0	41,000	0	0	0	0
ExxonMobil Refining & Supply Co Baton Rouge	243,000	0	27,000	0	0	78,000	0	0
Marathon Petroleum Co LLC Garyville	141,000	0	0	93,000	0	120,500	0	34,500
Motiva Enterprises LLC Convent	92,000	0	0	0	52,000	0	40,000	0
Norco	118,800	0	0	38,000	0	40,000	0	0
Pelican Refining Company LLC Lake Charles	0	0	0	0	0	0	0	0
Placid Refining Co Port Allen	25,000	500	0	0	0	11,000	0	11,000
Shell Oil Products US Saint Rose	0	0	0	0	0	0	0	0
(Formerly Shell Chemical LP)								

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Kansas	122,000	22,000	19,000	127,200	27,000	0	50,000	0
Coffeyville Resources Rfg & Mktg Coffeyville	36,000	22,000	9,000	30,000	27,000	0	0	0
Frontier El Dorado Refining Co El Dorado	48,000	0	10,000	54,000	0	0	50,000	0
NCRA McPherson	38,000	0	0	43,200	0	0	0	0
Kentucky	54,300	0	31,000	77,500	0	0	107,000	0
Continental Refining Company LLC Somerset	1,300	0	0	0	0	0	0	0
(Formerly Somerset Energy Refining LLC)								
Marathon Petroleum Co LLC Catlettsburg	53,000	0	31,000	77,500	0	0	107,000	0
Louisiana	684,500	633,500	220,500	826,100	58,000	12,500	318,900	124,500
Alon Refining Krotz Springs Inc Krotz Springs	14,000	18,000	0	0	0	0	0	0
Calcasieu Refining Co Lake Charles	0	0	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	6,200	0	0	0	0	0	0	0
Princeton	0	0	0	0	0	0	0	0
Calumet Shreveport LLC Shreveport	16,000	0	0	0	14,000	0	21,100	1,200
Chalmette Refining LLC Chalmette	22,000	44,000	0	30,000	0	0	64,800	0
Citgo Petroleum Corp Lake Charles	127,000	77,000	63,800	100,000	0	0	0	0
ConocoPhillips Company Belle Chasse	48,300	53,000	0	70,100	0	0	0	0
Westlake	50,000	38,500	24,000	55,000	0	12,500	49,000	0
Excel Paralubes Westlake	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co Baton Rouge	78,000	136,000	0	176,000	0	0	0	123,300
Marathon Petroleum Co LLC Garyville	100,500	110,000	64,500	141,000	0	0	106,000	0
Motiva Enterprises LLC Convent	98,000	0	39,800	70,000	0	0	40,000	0
Norco	38,500	77,000	0	70,000	0	0	0	0
Pelican Refining Company LLC Lake Charles	0	0	0	0	0	0	0	0
Placid Refining Co Port Allen	11,000	20,000	0	19,000	0	0	0	0
Shell Oil Products US Saint Rose	0	0	0	0	0	0	0	0
(Formerly Shell Chemical LP)								

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
Louisiana	3,191,020	55,000	3,347,855	56,000	1,687,400	542,700	0	0	10,600
Valero Energy Corporation Meraux	125,000	0	140,000	0	60,000	0	0	0	0
(Formerly Murphy Oil USA Inc) Valero Refining New Orleans LLC Norco	205,000	0	210,000	0	160,000	77,000	0	0	0
Michigan	106,000	0	114,000	0	55,000	0	0	0	0
Marathon Petroleum Co LLC Detroit	106,000	0	114,000	0	55,000	0	0	0	0
Minnesota	351,200	0	404,500	0	218,500	67,000	0	0	0
Flint Hills Resources LP Saint Paul	277,200	0	320,000	0	175,000	67,000	0	0	0
St Paul Park Refining Co LLC Saint Paul	74,000	0	84,500	0	43,500	0	0	0	0
Mississippi	364,000	0	397,500	0	338,875	105,000	0	0	0
ChevronUSA Inc Pascagoula	330,000	0	360,000	0	314,000	105,000	0	0	0
Ergon Refining Inc Vicksburg	23,000	0	25,000	0	18,000	0	0	0	0
Hunt Southland Refining Co Sandersville	11,000	0	12,500	0	6,875	0	0	0	0
Montana	187,600	0	196,400	0	99,300	36,700	10,400	0	0
Cenex Harvest States Coop Laurel	59,600	0	61,100	0	29,000	15,000	0	0	0
ConocoPhillips Company Billings	58,000	0	62,600	0	36,400	21,700	0	0	0
ExxonMobil Refining & Supply Co Billings	60,000	0	62,200	0	28,900	0	10,400	0	0
Montana Refining Co Great Falls	10,000	0	10,500	0	5,000	0	0	0	0
Nevada	2,000	0	5,000	0	5,000	0	0	0	0
Foreland Refining Corp Ely	2,000	0	5,000	0	5,000	0	0	0	0
New Jersey	398,000	150,000	417,000	158,000	244,000	27,000	0	0	0
ChevronUSA Inc Perth Amboy	0	80,000	0	83,000	47,000	0	0	0	0
ConocoPhillips Company Linden	238,000	0	251,000	0	75,000	0	0	0	0
Hess Corporation Port Reading	0	0	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC Paulsboro	0	70,000	0	75,000	32,000	0	0	0	0
Paulsboro Refining Co LLC Paulsboro	160,000	0	166,000	0	90,000	27,000	0	0	0
New Mexico	126,100	16,800	138,000	18,107	29,600	0	0	0	0
Navajo Refining Co LLC Artesia	105,000	0	115,000	0	29,600	0	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Louisiana	1,164,400	5,500	27,000	255,800	52,000	435,900	149,600	67,500
Valero Energy Corporation								
Meraux	38,000	0	0	38,000	0	32,000	0	22,000
(Formerly Murphy Oil USA Inc)								
Valero Refining New Orleans LLC								
Norco	100,000	0	0	0	0	27,500	0	0
Michigan	32,500	0	0	0	0	21,500	0	0
Marathon Petroleum Co LLC								
Detroit	32,500	0	0	0	0	21,500	0	0
Minnesota	115,500	0	50,000	0	0	36,000	33,300	0
Flint Hills Resources LP								
Saint Paul	87,000	0	50,000	0	0	36,000	13,800	0
St Paul Park Refining Co LLC								
Saint Paul	28,500	0	0	0	0	0	19,500	0
Mississippi	88,000	0	0	74,000	0	61,600	34,000	0
ChevronUSA Inc								
Pascagoula	88,000	0	0	74,000	0	61,600	34,000	0
Ergon Refining Inc								
Vicksburg	0	0	0	0	0	0	0	0
Hunt Southland Refining Co								
Sandersville	0	0	0	0	0	0	0	0
Montana	60,000	990	6,200	0	0	12,000	27,050	0
Genex Harvest States Coop								
Laurel	16,500	0	0	0	0	12,000	0	0
ConocoPhillips Company								
Billings	21,500	990	0	0	0	0	13,550	0
ExxonMobil Refining & Supply Co								
Billings	19,000	0	6,200	0	0	0	12,500	0
Montana Refining Co								
Great Falls	3,000	0	0	0	0	0	1,000	0
Nevada	0	0	0	0	0	0	0	0
Foreland Refining Corp								
Ely	0	0	0	0	0	0	0	0
New Jersey	270,000	0	0	0	0	64,000	0	20,000
ChevronUSA Inc								
Perth Amboy	0	0	0	0	0	0	0	0
ConocoPhillips Company								
Linden	145,000	0	0	0	0	32,000	0	20,000
Hess Corporation								
Port Reading	70,000	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC								
Paulsboro	0	0	0	0	0	0	0	0
Paulsboro Refining Co LLC								
Paulsboro	55,000	0	0	0	0	32,000	0	0
New Mexico	41,500	3,500	0	0	0	24,000	12,300	0
Navajo Refining Co LLC								
Artesia	27,000	0	0	0	0	24,000	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Louisiana	684,500	633,500	220,500	826,100	58,000	12,500	318,900	124,500
Valero Energy Corporation Meraux (Formerly Murphy Oil USA Inc)	40,000	0	16,400	45,000	0	0	14,000	0
Valero Refining New Orleans LLC Norco	35,000	60,000	12,000	50,000	44,000	0	24,000	0
Michigan	33,000	0	7,000	30,500	0	0	35,000	0
Marathon Petroleum Co LLC Detroit	33,000	0	7,000	30,500	0	0	35,000	0
Minnesota	68,300	47,700	51,000	82,500	7,000	0	144,500	0
Flint Hills Resources LP Saint Paul	47,800	47,700	43,500	60,000	7,000	0	115,000	0
St Paul Park Refining Co LLC Saint Paul	20,500	0	7,500	22,500	0	0	29,500	0
Mississippi	57,300	0	30,000	37,200	0	0	100,000	70,800
ChevronUSA Inc Pascagoula	57,300	0	30,000	35,000	0	0	100,000	50,000
Ergon Refining Inc Vicksburg	0	0	0	2,200	0	0	0	20,800
Hunt Southland Refining Co Sandersville	0	0	0	0	0	0	0	0
Montana	44,550	25,200	13,400	41,400	24,000	0	49,260	7,900
Cenex Harvest States Coop Laurel	16,000	0	0	0	24,000	0	20,000	0
ConocoPhillips Company Billings	13,550	6,000	5,800	29,400	0	0	25,760	0
ExxonMobil Refining & Supply Co Billings	13,900	19,200	6,600	10,000	0	0	0	7,900
Montana Refining Co Great Falls	1,100	0	1,000	2,000	0	0	3,500	0
Nevada	0	0	0	0	0	0	0	0
Foreland Refining Corp Ely	0	0	0	0	0	0	0	0
New Jersey	129,500	64,000	29,100	154,000	17,500	0	0	18,000
ChevronUSA Inc Perth Amboy	0	0	0	0	0	0	0	0
ConocoPhillips Company Linden	97,500	0	0	108,000	17,500	0	0	0
Hess Corporation Port Reading	0	27,000	0	0	0	0	0	18,000
Nustar Asphalt Refining LLC Paulsboro	0	0	0	0	0	0	0	0
Paulsboro Refining Co LLC Paulsboro	32,000	37,000	29,100	46,000	0	0	0	0
New Mexico	48,600	0	12,000	47,000	0	0	51,000	0
Navajo Refining Co LLC Artesia	36,000	0	12,000	41,000	0	0	51,000	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
New Mexico	126,100	16,800	138,000	18,107	29,600	0	0	0	0
Western Refining Southwest Inc									
Bloomfield	0	16,800	0	18,107	0	0	0	0	0
Gallup	21,100	0	23,000	0	0	0	0	0	0
North Dakota	60,000	0	62,000	0	0	0	0	0	0
Tesoro West Coast									
Mandan	60,000	0	62,000	0	0	0	0	0	0
Ohio	528,000	0	591,500	0	158,500	58,000	0	0	0
BP-Husky Refining LLC									
Toledo	135,000	0	160,000	0	71,500	35,000	0	0	0
Lima Refining Company									
Lima	155,000	0	170,000	0	52,000	23,000	0	0	0
Marathon Petroleum Co LLC									
Canton	78,000	0	86,500	0	35,000	0	0	0	0
Toledo Refining Co LLC									
Toledo (Formerly Sunoco Inc)	160,000	0	175,000	0	0	0	0	0	0
Oklahoma	508,700	12,000	542,688	14,000	208,612	37,776	0	0	0
ConocoPhillips Company									
Ponca City	198,400	0	215,188	0	87,612	26,776	0	0	0
Holly Refining & Marketing Co									
Tulsa East	70,300	0	75,500	0	27,000	0	0	0	0
Tulsa West	85,000	0	90,000	0	32,000	11,000	0	0	0
Valero Refining Co Oklahoma									
Ardmore	85,000	0	87,000	0	32,000	0	0	0	0
Ventura Refining & Transmission LLC									
Thomas	0	12,000	0	14,000	0	0	0	0	0
Wynnewood Refining Co									
Wynnewood	70,000	0	75,000	0	30,000	0	0	0	0
Pennsylvania	410,000	0	435,500	0	203,200	0	0	0	0
American Refining Group Inc									
Bradford	10,000	0	10,500	0	0	0	0	0	0
Sunoco Inc (R&M)									
Philadelphia	335,000	0	355,000	0	163,200	0	0	0	0
United Refining Co									
Warren	65,000	0	70,000	0	40,000	0	0	0	0
Tennessee	180,000	0	190,000	0	0	0	0	0	0
Premcor Refining Group Inc									
Memphis	180,000	0	190,000	0	0	0	0	0	0
Texas	4,656,406	105,089	5,030,400	115,000	2,446,200	778,080	42,000	0	0
AlonUSA Energy Inc									
Big Spring	67,000	0	70,000	0	24,000	0	0	0	0
BP Products North America Inc									
Texas City	400,780	0	475,000	0	237,000	33,000	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
New Mexico	41,500	3,500	0	0	0	24,000	12,300	0
Western Refining Southwest Inc								
Bloomfield	6,000	500	0	0	0	0	5,000	0
Gallup	8,500	3,000	0	0	0	0	7,300	0
North Dakota	27,000	3,600	0	0	0	0	12,500	0
Tesoro West Coast								
Mandan	27,000	3,600	0	0	0	0	12,500	0
Ohio	200,000	0	45,000	57,000	0	21,500	146,000	0
BP-Husky Refining LLC								
Toledo	55,000	0	0	31,000	0	0	43,000	0
Lima Refining Company								
Lima	40,000	0	0	26,000	0	0	55,000	0
Marathon Petroleum Co LLC								
Canton	26,000	0	0	0	0	21,500	0	0
Toledo Refining Co LLC								
Toledo (Formerly Sunoco Inc)	79,000	0	45,000	0	0	0	48,000	0
Oklahoma	145,001	2,200	30,000	0	0	61,000	77,373	4,850
ConocoPhillips Company								
Ponca City	69,801	0	0	0	0	0	53,373	0
Holly Refining & Marketing Co								
Tulsa East	24,200	2,200	0	0	0	22,000	0	0
Tulsa West	0	0	0	0	0	0	24,000	0
Valero Refining Co Oklahoma								
Ardmore	30,000	0	14,000	0	0	20,500	0	0
Ventura Refining & Transmission LLC								
Thomas	0	0	0	0	0	0	0	0
Wynnewood Refining Co								
Wynnewood	21,000	0	16,000	0	0	18,500	0	4,850
Pennsylvania	163,500	1,000	0	0	0	0	102,200	0
American Refining Group Inc								
Bradford	0	0	0	0	0	0	2,200	0
Sunoco Inc (R&M)								
Philadelphia	138,500	0	0	0	0	0	86,000	0
United Refining Co								
Warren	25,000	1,000	0	0	0	0	14,000	0
Tennessee	70,000	0	0	0	0	36,000	0	0
Premcor Refining Group Inc								
Memphis	70,000	0	0	0	0	36,000	0	0
Texas	1,803,405	33,000	229,200	211,500	70,000	805,200	191,690	165,500
AlonUSA Energy Inc								
Big Spring	25,000	0	0	0	0	21,000	0	10,000
BP Products North America Inc								
Texas City	182,000	8,000	55,000	0	70,000	63,000	75,000	17,000

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
New Mexico	48,600	0	12,000	47,000	0	0	51,000	0
Western Refining Southwest Inc								
Bloomfield	5,000	0	0	3,000	0	0	0	0
Gallup	7,600	0	0	3,000	0	0	0	0
North Dakota	13,600	4,300	0	17,000	0	0	0	0
Tesoro West Coast								
Mandan	13,600	4,300	0	17,000	0	0	0	0
Ohio	170,500	100,000	43,500	78,500	0	0	74,000	0
BP-Husky Refining LLC								
Toledo	40,000	0	0	20,500	0	0	47,000	0
Lima Refining Company								
Lima	63,000	35,000	0	36,000	0	0	0	0
Marathon Petroleum Co LLC								
Canton	28,000	0	13,500	22,000	0	0	27,000	0
Toledo Refining Co LLC								
Toledo (Formerly Sunoco Inc)	39,500	65,000	30,000	0	0	0	0	0
Oklahoma	144,873	73,282	18,500	120,981	33,040	0	58,338	35,548
ConocoPhillips Company								
Ponca City	53,373	47,282	18,500	31,981	33,040	0	23,888	13,948
Holly Refining & Marketing Co								
Tulsa East	22,000	26,000	0	40,000	0	0	0	0
Tulsa West	28,000	0	0	0	0	0	0	21,600
Valero Refining Co Oklahoma								
Ardmore	27,000	0	0	32,000	0	0	34,450	0
Ventura Refining & Transmission LLC								
Thomas	0	0	0	0	0	0	0	0
Wynnewood Refining Co								
Wynnewood	14,500	0	0	17,000	0	0	0	0
Pennsylvania	115,600	70,000	5,000	17,000	163,000	0	0	0
American Refining Group Inc								
Bradford	3,600	0	0	0	0	0	0	0
Sunoco Inc (R&M)								
Philadelphia	88,000	65,000	0	0	163,000	0	0	0
United Refining Co								
Warren	24,000	5,000	5,000	17,000	0	0	0	0
Tennessee	52,000	39,000	0	58,600	0	0	0	0
Premcor Refining Group Inc								
Memphis	52,000	39,000	0	58,600	0	0	0	0
Texas	1,254,220	931,100	605,200	1,161,630	61,000	233,500	965,040	163,300
AlonUSA Energy Inc								
Big Spring	25,500	0	5,000	23,000	0	0	6,500	0
BP Products North America Inc								
Texas City	114,000	56,500	79,000	55,000	0	0	105,000	41,000

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
Texas	4,656,406	105,089	5,030,400	115,000	2,446,200	778,080	42,000	0	0
Citgo Refining & Chemical Inc Corpus Christi	163,000	0	165,000	0	85,300	46,000	0	0	0
ConocoPhillips Company Sweeny	247,000	0	260,000	0	132,100	78,700	0	0	0
Deer Park Refining LTD Partnership Deer Park	327,000	0	340,000	0	180,000	89,300	0	0	0
Delek Refining LTD Tyler	60,000	0	65,000	0	15,000	6,500	0	0	0
Equistar Chemicals LP Channelview	0	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co Baytown	560,500	0	584,000	0	297,000	54,000	42,000	0	0
Beaumont	344,500	0	359,100	0	148,800	48,000	0	0	0
Flint Hills Resources LP Corpus Christi	284,172	0	288,000	0	87,500	14,400	0	0	0
Houston Refining LP Houston	273,433	0	302,300	0	202,000	97,500	0	0	0
Lazarus Energy LLC Nixon	0	9,589	0	10,000	0	0	0	0	0
Marathon Petroleum Co LLC Texas City	80,000	0	83,500	0	0	0	0	0	0
Motiva Enterprises LLC Port Arthur	285,000	0	300,000	0	147,000	59,500	0	0	0
Nustar Refining LLC San Antonio	14,021	0	15,000	0	0	0	0	0	0
(Formerly Age Refining Inc)									
Pasadena Refining Systems Inc Pasadena	100,000	0	106,500	0	38,000	0	0	0	0
Premcor Refining Group Inc Port Arthur	290,000	0	415,000	0	219,000	99,700	0	0	0
South Hampton Resources Inc Silsbee	0	0	0	0	0	0	0	0	0
Total Petrochemicals Inc Port Arthur	130,000	95,500	140,000	105,000	114,000	52,600	0	0	0
Trigeant LTD Corpus Christi	0	0	0	0	29,000	0	0	0	0
Valero Energy Corporation Sunray	156,000	0	160,000	0	50,000	0	0	0	0
Three Rivers	93,000	0	95,000	0	35,000	0	0	0	0
Valero Refining Co Texas LP Corpus Christi	200,000	0	205,000	0	97,000	17,000	0	0	0
Houston	88,000	0	90,000	0	38,000	0	0	0	0
Texas City	225,000	0	233,000	0	142,500	53,500	0	0	0
Western Refining Company LP El Paso	122,000	0	125,000	0	48,000	0	0	0	0
WRB Refining LP Borger	146,000	0	154,000	0	80,000	28,380	0	0	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Texas	1,803,405	33,000	229,200	211,500	70,000	805,200	191,690	165,500
Citgo Refining & Chemical Inc Corpus Christi	84,500	0	0	0	0	51,500	0	0
ConocoPhillips Company Sweeny	107,700	12,000	0	0	0	37,500	0	0
Deer Park Refining LTD Partnership Deer Park	70,000	5,000	0	60,000	0	45,000	24,500	0
Delek Refining LTD Tyler	20,250	0	0	0	0	13,000	4,500	0
Equistar Chemicals LP Channelview	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co Baytown	215,000	8,000	29,000	0	0	123,500	0	47,000
Beaumont	117,700	0	65,000	0	0	146,000	0	0
Flint Hills Resources LP Corpus Christi	104,700	0	14,200	0	0	0	0	0
Houston Refining LP Houston	105,000	0	0	0	0	0	0	0
Lazarus Energy LLC Nixon	0	0	0	0	0	0	0	0
Marathon Petroleum Co LLC Texas City	58,500	0	0	0	0	0	11,000	0
Motiva Enterprises LLC Port Arthur	90,000	0	0	0	0	48,000	0	0
Nustar Refining LLC San Antonio	0	0	0	0	0	0	6,000	0
(Formerly Age Refining Inc)								
Pasadena Refining Systems Inc Pasadena	56,000	0	0	0	0	23,000	0	0
Premcor Refining Group Inc Port Arthur	75,000	0	0	45,000	0	55,000	0	0
South Hampton Resources Inc Silsbee	0	0	0	0	0	2,000	0	0
Total Petrochemicals Inc Port Arthur	80,000	0	0	0	0	39,600	0	15,500
Trigeant LTD Corpus Christi	0	0	0	0	0	0	0	0
Valero Energy Corporation Sunray	55,555	0	0	27,000	0	29,000	18,000	14,500
Three Rivers	24,500	0	0	30,000	0	23,000	11,000	10,000
Valero Refining Co Texas LP Corpus Christi	93,000	0	0	49,500	0	39,000	10,000	0
Houston	67,000	0	66,000	0	0	0	0	18,000
Texas City	83,500	0	0	0	0	18,100	0	33,500
Western Refining Company LP El Paso	32,500	0	0	0	0	28,000	0	0
WRB Refining LP Borger	56,000	0	0	0	0	0	31,690	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Texas	1,254,220	931,100	605,200	1,161,630	61,000	233,500	965,040	163,300
Citgo Refining & Chemical Inc Corpus Christi	52,800	34,000	0	80,500	0	0	70,000	0
ConocoPhillips Company Sweeny	67,300	8,700	0	135,600	0	0	107,000	0
Deer Park Refining LTD Partnership Deer Park	75,000	42,000	40,000	0	45,000	49,500	80,000	43,000
Delek Refining LTD Tyler	20,000	13,000	0	20,000	0	0	0	0
Equistar Chemicals LP Channelview	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co Baytown	155,500	196,000	132,700	138,000	0	0	117,000	40,000
Beaumont	159,800	25,000	51,000	36,300	0	0	0	23,600
Flint Hills Resources LP Corpus Christi	82,600	45,000	52,500	64,000	0	0	53,000	0
Houston Refining LP Houston	55,500	76,000	43,500	91,100	0	0	114,500	5,200
Lazarus Energy LLC Nixon	0	0	0	0	0	0	0	0
Marathon Petroleum Co LLC Texas City	0	0	0	0	0	0	0	0
Motiva Enterprises LLC Port Arthur	48,000	67,000	42,000	93,000	0	0	74,000	0
Nustar Refining LLC San Antonio	6,000	0	0	6,000	0	0	0	0
(Formerly Age Refining Inc)								
Pasadena Refining Systems Inc Pasadena	28,000	34,000	0	0	16,000	0	0	0
Premcor Refining Group Inc Port Arthur	50,000	84,000	33,000	104,000	0	0	62,000	0
South Hampton Resources Inc Silsbee	7,000	0	0	0	0	0	0	4,000
Total Petrochemicals Inc Port Arthur	55,500	51,600	31,000	70,000	0	0	53,200	0
Trigeant LTD Corpus Christi	0	0	0	0	0	0	0	0
Valero Energy Corporation Sunray	43,000	39,600	0	45,000	0	0	0	0
Three Rivers	24,000	0	11,000	22,000	0	0	17,000	0
Valero Refining Co Texas LP Corpus Christi	64,000	60,000	11,000	55,000	0	74,000	28,000	0
Houston	9,000	30,300	14,000	0	0	0	0	0
Texas City	19,000	61,500	36,000	52,000	0	110,000	0	6,500
Western Refining Company LP El Paso	27,500	6,900	15,000	35,000	0	0	0	0
WRB Refining LP Borger	65,220	0	8,500	36,130	0	0	77,840	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
Utah	167,200	0	176,400	0	32,500	8,500	0	0	0
Big West Oil Co North Salt Lake	29,400	0	30,000	0	0	0	0	0	0
ChevronUSA Inc Salt Lake City	45,000	0	49,000	0	27,500	8,500	0	0	0
Holly Refining & Marketing Co Woods Cross	25,050	0	26,400	0	0	0	0	0	0
Silver Eagle Refining Woods Cross	10,250	0	11,000	0	5,000	0	0	0	0
Tesoro West Coast Salt Lake City	57,500	0	60,000	0	0	0	0	0	0
Washington	630,700	0	657,500	0	286,800	83,300	0	0	0
BP West Coast Products LLC Ferndale	225,000	0	234,000	0	106,000	58,000	0	0	0
ConocoPhillips Company Ferndale	100,000	0	107,500	0	48,800	0	0	0	0
Shell Oil Products US Anacortes	145,000	0	149,000	0	65,800	25,300	0	0	0
Tesoro West Coast Anacortes	120,000	0	125,000	0	47,000	0	0	0	0
US Oil & Refining Co Tacoma	40,700	0	42,000	0	19,200	0	0	0	0
West Virginia	20,000	0	22,000	0	8,600	0	0	0	0
Ergon West Virginia Inc Newell	20,000	0	22,000	0	8,600	0	0	0	0
Wisconsin	38,000	0	45,000	0	20,500	0	0	0	0
Calumet Lubricants Co LP Superior	38,000	0	45,000	0	20,500	0	0	0	0
(Formerly Murphy Oil USA Inc)									
Wyoming	165,500	0	184,800	0	74,300	33,700	0	0	0
Frontier Refining Inc Cheyenne	47,000	0	52,000	0	28,000	13,700	0	0	0
Garco Energy LLC Douglas	3,000	0	4,500	0	3,500	0	0	0	0
Little America Refining Co Evansville	24,500	0	25,500	0	0	0	0	0	0
Silver Eagle Refining Evanston	3,000	0	3,300	0	0	0	0	0	0
Sinclair Wyoming Refining Co Sinclair	74,000	0	85,000	0	41,000	20,000	0	0	0
Wyoming Refining Co New Castle	14,000	0	14,500	0	1,800	0	0	0	0
U.S. Total	16,744,291	577,887	17,945,443	614,907	8,679,643	2,577,856	158,900	16,000	10,600

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Utah	57,400	3,000	0	8,000	0	0	37,300	6,000
Big West Oil Co North Salt Lake	11,500	0	0	0	0	0	7,300	0
ChevronUSA Inc Salt Lake City	14,000	0	0	0	0	0	8,000	0
Holly Refining & Marketing Co Woods Cross	8,900	0	0	8,000	0	0	8,400	6,000
Silver Eagle Refining Woods Cross	0	0	0	0	0	0	2,200	0
Tesoro West Coast Salt Lake City	23,000	3,000	0	0	0	0	11,400	0
Washington	146,000	3,000	0	65,000	0	108,400	40,100	24,300
BP West Coast Products LLC Ferndale	0	0	0	65,000	0	65,000	0	0
ConocoPhillips Company Ferndale	36,100	0	0	0	0	17,400	0	0
Shell Oil Products US Anacortes	57,900	0	0	0	0	0	33,300	0
Tesoro West Coast Anacortes	52,000	3,000	0	0	0	26,000	0	24,300
US Oil & Refining Co Tacoma	0	0	0	0	0	0	6,800	0
West Virginia	0	0	0	0	0	3,950	0	0
Ergon West Virginia Inc Newell	0	0	0	0	0	3,950	0	0
Wisconsin	11,000	0	0	0	0	8,000	0	0
Calumet Lubricants Co LP Superior	11,000	0	0	0	0	8,000	0	0
(Formerly Murphy Oil USA Inc)								
Wyoming	52,606	500	15,600	0	0	14,700	19,350	0
Frontier Refining Inc Cheyenne	12,800	0	0	0	0	9,200	0	0
Garco Energy LLC Douglas	0	0	0	0	0	0	0	0
Little America Refining Co Evansville	11,000	500	0	0	0	5,500	0	0
Silver Eagle Refining Evanston	0	0	0	0	0	0	2,150	0
Sinclair Wyoming Refining Co Sinclair	21,806	0	15,600	0	0	0	14,000	0
Wyoming Refining Co New Castle	7,000	0	0	0	0	0	3,200	0
U.S. Total	6,032,512	84,890	596,500	1,161,100	122,000	2,347,850	1,293,963	374,550

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012
(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Utah	44,100	8,500	2,900	41,700	28,800	0	0	7,200
Big West Oil Co North Salt Lake	8,900	0	0	9,500	0	0	0	0
ChevronUSA Inc Salt Lake City	8,300	0	0	13,300	18,000	0	0	7,200
Holly Refining & Marketing Co Woods Cross	12,500	0	2,900	0	10,800	0	0	0
Silver Eagle Refining Woods Cross	3,000	500	0	3,500	0	0	0	0
Tesoro West Coast Salt Lake City	11,400	8,000	0	15,400	0	0	0	0
Washington	174,300	88,200	31,000	137,700	0	0	0	0
BP West Coast Products LLC Ferndale	74,000	0	12,000	36,000	0	0	0	0
ConocoPhillips Company Ferndale	18,200	20,000	0	27,000	0	0	0	0
Shell Oil Products US Anacortes	33,500	35,700	19,000	40,700	0	0	0	0
Tesoro West Coast Anacortes	39,200	32,500	0	26,300	0	0	0	0
US Oil & Refining Co Tacoma	9,400	0	0	7,700	0	0	0	0
West Virginia	4,300	0	0	8,000	0	0	6,300	0
Ergon West Virginia Inc Newell	4,300	0	0	8,000	0	0	6,300	0
Wisconsin	11,000	7,500	7,700	6,500	0	0	0	0
Calumet Lubricants Co LP Superior	11,000	7,500	7,700	6,500	0	0	0	0
(Formerly Murphy Oil USA Inc)								
Wyoming	39,250	10,000	15,000	50,000	0	0	20,000	0
Frontier Refining Inc Cheyenne	10,000	10,000	0	17,500	0	0	0	0
Garco Energy LLC Douglas	0	0	0	0	0	0	0	0
Little America Refining Co Evansville	7,200	0	0	10,500	0	0	0	0
Silver Eagle Refining Evanston	3,250	0	0	0	0	0	0	0
Sinclair Wyoming Refining Co Sinclair	15,500	0	15,000	16,000	0	0	20,000	0
Wyoming Refining Co New Castle	3,300	0	0	6,000	0	0	0	0
U.S. Total	4,360,593	2,519,082	1,489,750	3,981,411	591,840	246,000	2,877,138	499,448

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Atmospheric Crude Oil Distillation Capacity				Downstream Charge Capacity				
	Barrels per Calendar Day		Barrels per Stream Day		Vacuum Distillation	Thermal Cracking			Other/Gas Oil
	Operating	Idle	Operating	Idle		Delayed Coking	Fluid Coking	Visbreaking	
Virgin Islands	350,000	150,000	365,000	160,000	225,000	62,000	0	40,000	0
Hovensa LLC Kingshill	350,000	150,000	365,000	160,000	225,000	62,000	0	40,000	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Catalytic Cracking		Catalytic Hydrocracking			Catalytic Reforming		Fuels Solvent Deasphalting
	Fresh	Recycled	Distillate	Gas Oil	Residual	Low Pressure	High Pressure	
Virgin Islands	149,000	0	0	0	0	84,000	23,000	0
Hovensa LLC Kingshill	149,000	0	0	0	0	84,000	23,000	0

Table 3. Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Downstream Charge Capacity							
	Desulfurization (incl. Catalytic Hydrotreating)							
	Naphtha/ Reformer Feed	Gasoline	Kerosene/ Jet Fuel	Diesel Fuel	Other Distillate	Residual	Heavy Gas Oil	Other
Virgin Islands	107,000	50,000	65,000	65,000	37,000	0	140,000	39,000
Hovensa LLC Kingshill	107,000	50,000	65,000	65,000	37,000	0	140,000	39,000

^a Operations at Paramount Petroleum Corp's Paramount and Long Beach refineries have been combined. Long Beach is being used for storage only.

Note: Refer to Table 5 for corporate ownership information. Some names of previously independent companies have been preserved by acquiring companies.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Directory of Operable Petroleum Refineries on Tables 3 and 4

Refiner	State(s) ^a	Refiner	State(s) ^a
Alon Bakersfield Operating Inc.....	CA	Lunday Thagard Co.....	CA
Alon Refining Krotz Springs Inc.....	LA	Marathon Petroleum Co LLC.....	IL, KY, LA, MI, OH, TX
AlonUSA Energy Inc.....	TX	Martin Midstream Partners LP.....	AR
American Refining Group Inc.....	PA	Montana Refining Co.....	MT
BP Exploration Alaska Inc.....	AK	Motiva Enterprises LLC.....	LA, TX
BP Products North America Inc.....	IN, TX	NCRA.....	KS
BP West Coast Products LLC.....	CA, WA	Navajo Refining Co LLC.....	NM
BP-Husky Refining LLC.....	OH	Nustar Asphalt Refining LLC.....	GA, NJ
Big West Oil Co.....	UT	Nustar Refining LLC.....	TX
Calcasieu Refining Co.....	LA	PDV Midwest Refining LLC.....	IL
Calumet Lubricants Co LP.....	LA, WI	Paramount Petroleum Corporation.....	CA
Calumet Shreveport LLC.....	LA	Pasadena Refining Systems Inc.....	TX
Cenex Harvest States Coop.....	MT	Paulsboro Refining Co LLC.....	NJ
Chalmette Refining LLC.....	LA	Pelican Refining Company LLC.....	LA
ChevronUSA Inc.....	CA, HI, MS, NJ, UT	Petro Star Inc.....	AK
Citgo Petroleum Corp.....	LA	Placid Refining Co.....	LA
Citgo Refining & Chemical Inc.....	TX	Premcor Refining Group Inc.....	TN, TX
Coffeyville Resources Rfg & Mktg.....	KS	San Joaquin Refining Co Inc.....	CA
ConocoPhillips Alaska Inc.....	AK	Santa Maria Refining Company.....	CA
ConocoPhillips Company.....	CA, LA, MT, NJ, OK, TX, WA	Shell Chemical LP.....	AL
Continental Refining Company LLC.....	KY	Shell Oil Products US.....	CA, LA, WA
Countrymark Cooperative Inc.....	IN	Silver Eagle Refining.....	UT, WY
Deer Park Refining LTD Partnership.....	TX	Sinclair Wyoming Refining Co.....	WY
Delaware City Refining Co LLC.....	DE	South Hampton Resources Inc.....	TX
Delek Refining LTD.....	TX	St Paul Park Refining Co LLC.....	MN
Equistar Chemicals LP.....	TX	Suncor Energy (USA) Inc.....	CO
Ergon Refining Inc.....	MS	Sunoco Inc (R&M).....	PA
Ergon West Virginia Inc.....	WV	Tesoro Alaska Petroleum Co.....	AK
Excel Paralubes.....	LA	Tesoro Hawaii Corp.....	HI
ExxonMobil Refining & Supply Co.....	CA, IL, LA, MT, TX	Tesoro Refining & Marketing Co.....	CA
Flint Hills Resources LP.....	AK, MN, TX	Tesoro West Coast.....	ND, UT, WA
Foreland Refining Corp.....	NV	Toledo Refining Co LLC.....	OH
Frontier El Dorado Refining Co.....	KS	Total Petrochemicals Inc.....	TX
Frontier Refining Inc.....	WY	Trigeant LTD.....	TX
Garco Energy LLC.....	WY	US Oil & Refining Co.....	WA
Goodway Refining LLC.....	AL	United Refining Co.....	PA
Hess Corporation.....	NJ	Valero Energy Corporation.....	LA, TX
Holly Refining & Marketing Co.....	OK, UT	Valero Refining Co California.....	CA
Houston Refining LP.....	TX	Valero Refining Co Oklahoma.....	OK
Hovensa LLC.....	VI	Valero Refining Co Texas LP.....	TX
Hunt Refining Co.....	AL	Valero Refining New Orleans LLC.....	LA
Hunt Southland Refining Co.....	MS	Ventura Refining & Transmission LLC.....	OK
Kern Oil & Refining Co.....	CA	WRB Refining LP.....	IL, TX
Lazarus Energy LLC.....	TX	Western Refining Company LP.....	TX
Lima Refining Company.....	OH	Western Refining Southwest Inc.....	NM
Lion Oil Co.....	AR	Wynnewood Refining Co.....	OK
Little America Refining Co.....	WY	Wyoming Refining Co.....	WY

^a Includes Puerto Rico (PR) and Virgin Islands (VI).

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Alabama	0	0	15,000	1,200	5,500	0	0	7,120	33	230
Hunt Refining Co Tuscaloosa	0	0	15,000	0	3,500	0	0	7,120	33	195
Shell Chemical LP Saraland	0	0	0	1,200	2,000	0	0	0	0	35
Alaska	0	2,000	12,000	0	4,500	0	0	0	13	27
Flint Hills Resources LP North Pole	0	2,000	2,000	0	0	0	0	0	0	0
Tesoro Alaska Petroleum Co Kenai	0	0	10,000	0	4,500	0	0	0	13	27
Arkansas	5,000	0	22,000	0	7,500	0	5,000	0	13	157
Lion Oil Co El Dorado	5,000	0	20,500	0	7,500	0	0	0	10	157
Martin Midstream Partners LP Smackover	0	0	1,500	0	0	0	5,000	0	3	0
California	182,526	1,500	58,833	35,125	114,600	200	39,800	139,700	1,147	4,724
Alon Bakersfield Operating Inc Bakersfield	0	0	0	300	500	200	0	0	23	70
BP West Coast Products LLC Los Angeles	17,000	0	0	3,500	23,000	0	0	13,800	105	420
ChevronUSA Inc El Segundo	33,500	0	0	9,300	22,300	0	0	25,500	77	600
Richmond	23,426	0	0	7,200	46,000	0	34,000	0	181	789
ConocoPhillips Company Rodeo	0	0	0	3,800	10,000	0	0	14,500	84	560
Wilmington	9,900	0	0	3,100	12,800	0	0	16,800	105	370

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
ExxonMobil Refining & Supply Co										
Torrance	24,200	0	0	0	0	0	0	16,700	146	400
Kern Oil & Refining Co										
Bakersfield	0	0	0	0	0	0	0	0	0	11
Lunday Thagard Co										
South Gate	0	0	5,833	0	0	0	0	0	0	0
Paramount Petroleum Corporation ^b										
Paramount	0	0	16,500	0	0	0	0	0	0	40
San Joaquin Refining Co Inc										
Bakersfield	0	1,500	8,000	0	0	0	5,800	0	4	3
Santa Maria Refining Company										
Santa Maria	0	0	6,000	0	0	0	0	0	0	0
Shell Oil Products US										
Martinez	12,000	0	10,000	0	0	0	0	8,600	193	413
Tesoro Refining & Marketing Co										
Martinez	15,400	0	0	0	0	0	0	15,000	82	200
Wilmington	11,000	0	0	4,125	0	0	0	12,000	12	280
Valero Refining Co California										
Benicia	17,100	0	9,000	3,800	0	0	0	6,800	135	303
Wilmington Asphalt Plant	0	0	3,500	0	0	0	0	0	0	0
Wilmington Refinery	19,000	0	0	0	0	0	0	10,000	0	265
Colorado	0	0	12,250	985	0	0	0	0	22	116
Suncor Energy (USA) Inc										
Commerce City East	0	0	0	985	0	0	0	0	0	2
Commerce City West	0	0	12,250	0	0	0	0	0	22	114
Delaware	11,729	5,191	0	6,000	0	0	0	13,620	40	596
Delaware City Refining Co LLC										
Delaware City	11,729	5,191	0	6,000	0	0	0	13,620	40	596

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Georgia	0	0	24,000	0	0	0	0	0	0	0
Nustar Asphalt Refining LLC Savannah	0	0	24,000	0	0	0	0	0	0	0
Hawaii	5,000	0	0	3,200	0	0	0	0	21	38
ChevronUSA Inc Honolulu	5,000	0	0	3,200	0	0	0	0	3	0
Tesoro Hawaii Corp Ewa Beach	0	0	0	0	0	0	0	0	18	38
Illinois	83,900	19,900	35,100	0	15,500	0	0	71,095	199	2,397
ExxonMobil Refining & Supply Co Joliet	29,100	0	15,100	0	0	0	0	18,595	0	683
Marathon Petroleum Co LLC Robinson	12,500	6,400	0	0	15,500	0	0	7,500	0	202
PDV Midwest Refining LLC Lemont	20,500	9,000	0	0	0	0	0	16,500	12	504
WRB Refining LP Wood River	21,800	4,500	20,000	0	0	0	0	28,500	187	1,008
Indiana	33,700	16,800	52,900	0	29,000	0	0	10,000	34	584
BP Products North America Inc Whiting	32,000	16,800	49,200	0	26,000	0	0	10,000	34	575
Countrymark Cooperative Inc Mount Vernon	1,700	0	3,700	0	3,000	0	0	0	0	9
Kansas	31,000	2,200	4,000	3,650	24,500	0	0	18,956	77	690
Coffeyville Resources Rfg & Mktg Coffeyville	10,000	0	0	0	0	0	0	8,700	0	229

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Frontier El Dorado Refining Co El Dorado	13,500	2,200	4,000	850	13,500	0	0	6,000	39	315
NCRA McPherson	7,500	0	0	2,800	11,000	0	0	4,256	38	146
Kentucky	21,000	3,300	27,000	0	15,000	0	0	0	0	448
Marathon Petroleum Co LLC Catlettsburg	21,000	3,300	27,000	0	15,000	0	0	0	0	448
Louisiana	222,600	35,300	60,100	34,700	81,420	0	68,500	154,823	206	6,631
Alon Refining Krotz Springs Inc Krotz Springs	0	0	0	0	6,220	0	0	0	0	0
Calcasieu Refining Co Lake Charles	0	0	0	3,500	0	0	0	0	0	0
Calumet Lubricants Co LP Cotton Valley	0	0	0	0	500	0	0	0	2	0
Princeton	0	0	2,000	0	0	0	7,000	0	4	3
Calumet Shreveport LLC Shreveport	0	0	6,500	0	0	0	12,500	0	16	40
Chalmette Refining LLC Chalmette	16,800	5,800	0	8,200	8,200	0	0	9,000	0	935
Citgo Petroleum Corp Lake Charles	24,000	17,200	0	0	28,000	0	0	30,000	0	640
ConocoPhillips Company Belle Chasse	38,000	12,300	0	0	0	0	0	5,982	0	115
Westlake	6,000	0	0	0	0	0	0	22,500	0	440
Excel Paralubes Westlake	0	0	0	0	0	0	30,000	0	0	185
ExxonMobil Refining & Supply Co Baton Rouge	39,700	0	0	0	0	0	19,000	31,525	0	800

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Marathon Petroleum Co LLC										
Garyville	29,000	0	31,600	23,000	26,000	0	0	29,000	0	1,476
Motiva Enterprises LLC										
Convent	16,500	0	0	0	12,500	0	0	0	64	728
Norco	16,800	0	0	0	0	0	0	7,316	70	169
Pelican Refining Company LLC										
Lake Charles	0	0	6,000	0	0	0	0	0	0	0
Placid Refining Co										
Port Allen	7,500	0	0	0	0	0	0	0	0	55
Shell Oil Products US										
Saint Rose	0	0	14,000	0	0	0	0	0	0	0
(Formerly Shell Chemical LP)										
Valero Energy Corporation										
Meraux	7,300	0	0	0	0	0	0	0	0	200
(Formerly Murphy Oil USA Inc)										
Valero Refining New Orleans LLC										
Norco	21,000	0	0	0	0	0	0	19,500	50	845
Michigan	5,000	0	23,000	0	0	0	0	0	0	146
Marathon Petroleum Co LLC										
Detroit	5,000	0	23,000	0	0	0	0	0	0	146
Minnesota	18,000	0	58,000	1,000	8,000	0	0	24,800	184	1,264
Flint Hills Resources LP										
Saint Paul	12,500	0	45,000	0	0	0	0	24,800	176	1,142
St Paul Park Refining Co LLC										
Saint Paul	5,500	0	13,000	1,000	8,000	0	0	0	8	122
Mississippi	18,600	21,000	36,125	0	0	1,400	23,000	35,500	243	1,300
ChevronUSA Inc										
Pascagoula	18,600	21,000	20,000	0	0	1,400	0	35,500	230	1,300

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Ergon Refining Inc Vicksburg	0	0	10,000	0	0	0	23,000	0	13	0
Hunt Southland Refining Co Sandersville	0	0	6,125	0	0	0	0	0	0	0
Montana	17,550	0	38,300	5,250	700	0	0	13,375	102	449
Cenex Harvest States Coop Laurel	4,200	0	19,800	1,250	0	0	0	4,000	38	203
ConocoPhillips Company Billings	7,250	0	0	4,000	0	0	0	5,375	34	246
ExxonMobil Refining & Supply Co Billings	5,100	0	14,500	0	0	0	0	4,000	23	0
Montana Refining Co Great Falls	1,000	0	4,000	0	700	0	0	0	7	0
Nevada	0	0	5,000	0	0	0	0	0	0	0
Foreland Refining Corp Ely	0	0	5,000	0	0	0	0	0	0	0
New Jersey	37,200	0	98,500	4,000	0	0	12,000	7,500	31	290
ChevronUSA Inc Perth Amboy	0	0	35,000	0	0	0	0	0	0	0
ConocoPhillips Company Linden	18,000	0	0	4,000	0	0	0	0	17	0
Hess Corporation Port Reading	8,000	0	0	0	0	0	0	0	5	10
Nustar Asphalt Refining LLC Paulsboro	0	0	49,000	0	0	0	0	0	0	0
Paulsboro Refining Co LLC Paulsboro	11,200	0	14,500	0	0	0	12,000	7,500	9	280

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
New Mexico	10,900	0	3,300	433	13,540	0	0	0	38	205
Navajo Refining Co LLC										
Artesia	9,100	0	3,300	0	9,540	0	0	0	38	200
Western Refining Southwest Inc										
Bloomfield	0	0	0	433	0	0	0	0	0	3
Gallup	1,800	0	0	0	4,000	0	0	0	0	2
North Dakota	4,400	0	0	0	0	0	0	0	0	17
Tesoro West Coast										
Mandan	4,400	0	0	0	0	0	0	0	0	17
Ohio	28,950	18,200	23,800	12,500	18,700	0	0	14,200	33	676
BP-Husky Refining LLC										
Toledo	11,500	0	9,000	0	0	0	0	10,000	33	346
Lima Refining Company										
Lima	0	9,200	0	4,500	18,700	0	0	4,200	0	110
Marathon Petroleum Co LLC										
Canton	7,500	0	14,800	0	0	0	0	0	0	104
Toledo Refining Co LLC										
Toledo (Formerly Sunoco Inc)	9,950	9,000	0	8,000	0	0	0	0	0	116
Oklahoma	33,270	0	36,914	900	15,000	0	9,100	9,050	62	338
ConocoPhillips Company										
Ponca City	15,758	0	0	0	0	0	0	6,300	35	0
Holly Refining & Marketing Co										
Tulsa East	5,500	0	15,200	0	10,000	0	0	0	0	38
Tulsa West	0	0	0	900	0	0	9,100	2,750	0	0

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Valero Refining Co Oklahoma										
Ardmore	7,012	0	14,714	0	0	0	0	0	27	249
Wynnewood Refining Co										
Wynnewood	5,000	0	7,000	0	5,000	0	0	0	0	51
Pennsylvania	30,500	4,920	22,065	8,000	8,500	0	2,945	0	0	192
American Refining Group Inc										
Bradford	0	0	65	0	0	0	2,945	0	0	0
Sunoco Inc (R&M)										
Philadelphia	26,000	4,920	0	8,000	0	0	0	0	0	125
United Refining Co										
Warren	4,500	0	22,000	0	8,500	0	0	0	0	67
Tennessee	12,000	29,000	0	0	0	0	0	0	0	116
Premcor Refining Group Inc										
Memphis	12,000	29,000	0	0	0	0	0	0	0	116
Texas	368,650	131,600	80,100	59,100	99,733	0	75,895	264,501	534	13,828
AlonUSA Energy Inc										
Big Spring	5,000	1,000	7,600	0	0	0	0	0	0	150
BP Products North America Inc										
Texas City	37,000	60,000	0	0	0	0	0	13,750	0	1,452
Citgo Refining & Chemical Inc										
Corpus Christi	24,000	14,600	0	0	0	0	0	17,160	0	412
ConocoPhillips Company										
Sweeny	21,700	11,600	0	0	10,100	0	0	22,800	0	915
Deer Park Refining LTD Partnership										
Deer Park	18,500	0	0	0	0	0	0	38,701	108	1,085
Delek Refining LTD										
Tyler	4,700	0	0	0	0	0	0	1,500	0	39

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Equistar Chemicals LP										
Channelview	22,000	0	0	0	0	0	0	0	0	0
ExxonMobil Refining & Supply Co										
Baytown	37,000	0	0	0	0	0	21,100	22,750	0	1,828
Beaumont	14,900	0	0	11,200	25,800	0	10,000	15,039	50	590
Flint Hills Resources LP										
Corpus Christi	14,300	0	0	4,900	2,500	0	0	3,925	0	434
Houston Refining LP										
Houston	11,250	0	0	0	0	0	3,895	29,250	0	999
Marathon Petroleum Co LLC										
Texas City	14,500	3,000	0	0	0	0	0	0	0	40
Motiva Enterprises LLC										
Port Arthur	20,000	0	0	0	0	0	39,000	15,616	0	818
Pasadena Refining Systems Inc										
Pasadena	10,000	0	0	0	0	0	0	0	0	28
Premcor Refining Group Inc										
Port Arthur	19,000	0	0	0	0	0	0	32,240	0	1,290
South Hampton Resources Inc										
Silsbee	0	1,500	0	0	2,500	0	0	0	0	0
Total Petrochemicals Inc										
Port Arthur	6,300	13,600	0	0	9,333	0	0	18,300	0	720
Trigeant LTD										
Corpus Christi	0	0	16,000	0	0	0	0	0	0	0
Valero Energy Corporation										
Sunray	9,800	0	12,000	3,000	0	0	0	0	0	75
Three Rivers	6,500	10,800	0	3,000	0	0	1,900	0	0	134
Valero Refining Co Texas LP										
Corpus Christi	21,300	15,500	38,000	17,000	12,000	0	0	6,270	275	1,288
Houston	11,800	0	0	0	0	0	0	0	0	336
Texas City	13,600	0	0	0	6,500	0	0	19,000	0	855

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Western Refining Company LP										
El Paso	11,500	0	6,500	5,000	0	0	0	0	10	0
WRB Refining LP										
Borger	14,000	0	0	15,000	31,000	0	0	8,200	91	340
Utah	18,400	0	1,800	3,200	5,500	0	0	2,500	0	95
Big West Oil Co										
North Salt Lake	2,900	0	0	1,900	2,500	0	0	0	0	4
ChevronUSA Inc										
Salt Lake City	5,600	0	0	1,300	0	0	0	2,500	0	63
Holly Refining & Marketing Co										
Woods Cross	3,300	0	1,800	0	3,000	0	0	0	0	10
Tesoro West Coast										
Salt Lake City	6,600	0	0	0	0	0	0	0	0	18
Washington	35,400	0	13,500	12,200	27,600	0	0	24,650	122	741
BP West Coast Products LLC										
Ferndale	0	0	0	6,000	24,000	0	0	16,250	122	252
ConocoPhillips Company										
Ferndale	9,500	0	0	2,600	0	0	0	0	0	118
Shell Oil Products US										
Anacortes	12,100	0	0	0	0	0	0	8,400	0	360
Tesoro West Coast										
Anacortes	13,800	0	5,500	3,600	0	0	0	0	0	0
US Oil & Refining Co										
Tacoma	0	0	8,000	0	3,600	0	0	0	0	11
West Virginia	0	0	600	0	0	0	6,100	0	3	1
Ergon West Virginia Inc										
Newell	0	0	600	0	0	0	6,100	0	3	1

Table 4. Production Capacity of Operable Petroleum Refineries by State as of January 1, 2012

(Barrels per Stream Day, Except Where Noted)

State/Refiner/Location	Alkylates	Aromatics	Asphalt and Road Oil	Isomers			Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons per day)
				Isobutane	Isopentane and Isohexane	Isooctane				
Wisconsin	1,600	6,000	7,500	0	0	0	0	0	0	34
Calumet Lubricants Co LP										
Superior	1,600	6,000	7,500	0	0	0	0	0	0	34
(Formerly Murphy Oil USA Inc)										
Wyoming	10,000	0	24,000	24	0	0	0	11,700	58	333
Frontier Refining Inc										
Cheyenne	4,200	0	16,000	0	0	0	0	4,700	6	116
Little America Refining Co										
Evansville	0	0	0	0	0	0	0	0	0	10
Sinclair Wyoming Refining Co										
Sinclair	4,500	0	8,000	0	0	0	0	7,000	52	207
Wyoming Refining Co										
New Castle	1,300	0	0	24	0	0	0	0	0	0
U.S. Total	1,246,875	296,911	795,687	191,467	494,793	1,600	242,340	823,090	3,215	36,663
Virgin Islands	19,000	20,000	0	0	20,000	0	0	19,000	0	550
Hovensa LLC										
Kingshill	19,000	20,000	0	0	20,000	0	0	19,000	0	550

^a Includes hydrogen production capacity of hydrogen plants on refinery grounds.

^b Operations at Paramount Petroleum Corp's Paramount and Long Beach refineries have been combined. Long Beach is being used for storage only.

Note: Refer to Table 5 for corporate ownership information. Some names of previously independent companies have been preserved by acquiring companies.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2012

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
Companies with Capacity Over 100,000 bbl/cd			
VALERO ENERGY CORP	1,863,300	Sweeny, Texas	247,000
Valero Refining Co Texas LP		Westlake, Louisiana	239,400
Texas City, Texas	225,000	Linden, New Jersey	238,000
Corpus Christi, Texas	200,000	Ponca City, Oklahoma	198,400
Houston, Texas	88,000	Wilmington, California	139,000
Premcor Refining Group Inc		Rodeo, California	120,200
Port Arthur, Texas	290,000	Ferndale, Washington	100,000
Memphis, Tennessee	180,000	Billings, Montana	58,000
Valero Energy Corporation		ConocoPhillips Alaska Inc	
Sunray, Texas	156,000	Prudhoe Bay, Alaska	15,000
Meraux, Louisiana	125,000	BP PLC	1,209,715
Three Rivers, Texas	93,000	BP Products North America Inc	
Valero Refining Co California		Texas City, Texas	400,780
Benicia, California	132,000	Whiting, Indiana	337,000
Wilmington Refinery, California	78,000	BP West Coast Products LLC	
Wilmington Asphalt Plant, California	6,300	Los Angeles, California	240,000
Valero Refining New Orleans LLC		Ferndale, Washington	225,000
Norco, Louisiana	205,000	BP Exploration Alaska Inc	
Valero Refining Co Oklahoma		Prudhoe Bay, Alaska	6,935
Ardmore, Oklahoma	85,000	MARATHON PETROLEUM CORP	1,193,000
EXXON MOBIL CORP	1,855,600	Marathon Petroleum Co LLC	
ExxonMobil Refining & Supply Co		Garyville, Louisiana	490,000
Baytown, Texas	560,500	Catlettsburg, Kentucky	233,000
Baton Rouge, Louisiana	502,500	Robinson, Illinois	206,000
Beaumont, Texas	344,500	Detroit, Michigan	106,000
Joliet, Illinois	238,600	Texas City, Texas	80,000
Torrance, California	149,500	Canton, Ohio	78,000
Billings, Montana	60,000		
CONOCOPHILLIPS	1,602,000		
ConocoPhillips Company			
Belle Chasse, Louisiana	247,000		

Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2012

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
CHEVRON CORP	1,030,271	Salt Lake City, Utah	57,500
ChevronUSA Inc		Tesoro Hawaii Corp	
Pascagoula, Mississippi	330,000	Ewa Beach, Hawaii	93,500
El Segundo, California	276,000	Tesoro Alaska Petroleum Co	
Richmond, California	245,271	Kenai, Alaska	68,000
Perth Amboy, New Jersey	80,000	PBF ENERGY CO LLC	502,200
Honolulu, Hawaii	54,000	Delaware City Refining Co LLC	
Salt Lake City, Utah	45,000	Delaware City, Delaware	182,200
KOCH INDUSTRIES INC	781,529	Paulsboro Refining Co LLC	
Flint Hills Resources LP		Paulsboro, New Jersey	160,000
Corpus Christi, Texas	284,172	Toledo Refining Co LLC	
Saint Paul, Minnesota	277,200	Toledo, Ohio	160,000
North Pole, Alaska	220,157	WRB REFINING LP	474,000
PDV AMERICA INC	757,800	WRB Refining LP	
Citgo Petroleum Corp		Wood River, Illinois	328,000
Lake Charles, Louisiana	427,800	(50% ConocoPhillips, 50% Cenovus)	
PDV Midwest Refining LLC		Borger, Texas	146,000
Lemont, Illinois	167,000	(50% ConocoPhillips, 50% Cenovus)	
Citgo Refining & Chemical Inc		HOLLYFRONTIER CORP	470,350
Corpus Christi, Texas	163,000	Holly Refining & Marketing Co	
MOTIVA ENTERPRISES LLC	753,500	Tulsa West, Oklahoma	85,000
(50% Royal Dutch/Shell Group, 50% Saudi Aramco)		Tulsa East, Oklahoma	70,300
Motiva Enterprises LLC		Woods Cross, Utah	25,050
Port Arthur, Texas	285,000	Frontier El Dorado Refining Co	
Convent, Louisiana	235,000	El Dorado, Kansas	138,000
Norco, Louisiana	233,500	Navajo Refining Co LLC	
TESORO CORP	668,800	Artesia, New Mexico	105,000
Tesoro Refining & Marketing Co		Frontier Refining Inc	
Martinez, California	166,000	Cheyenne, Wyoming	47,000
Wilmington, California	103,800		
Tesoro West Coast			
Anacortes, Washington	120,000		
Mandan, North Dakota	60,000		

Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2012

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
ROYAL DUTCH/SHELL GROUP	436,400	Coffeyville, Kansas	115,700
Shell Oil Products US		Wynnewood Refining Co	
Martinez, California	156,400	Wynnewood, Oklahoma	70,000
Anacortes, Washington	145,000	WESTERN REFINING INC.	159,900
Saint Rose, Louisiana	55,000	Western Refining Company LP	
Shell Chemical LP		El Paso, Texas	122,000
Saraland, Alabama	80,000	Western Refining Southwest Inc	
SUNOCO INC		Gallup, New Mexico	21,100
Sunoco Inc (R&M)		Bloomfield, New Mexico	16,800
Philadelphia, Pennsylvania	335,000	HUSKY ENERGY INC	
DEER PARK REFINING LTD PTNRSHP (50% Royal Dutch/Shell Group, 50% Pemex)		Lima Refining Company	
Deer Park Refining LTD Partnership		Lima, Ohio	155,000
Deer Park, Texas	327,000	CHS INC	145,100
ACCESS INDUSTRIES		NCRA	
Houston Refining LP		McPherson, Kansas	85,500
Houston, Texas	273,433	Cenex Harvest States Coop	
ALON ISRAEL OIL COMPANY LTD	231,500	Laurel, Montana	59,600
Paramount Petroleum Corporation		DELEK GROUP LTD	143,000
Paramount, California	84,500	Lion Oil Co	
Alon Refining Krotz Springs Inc		El Dorado, Arkansas	83,000
Krotz Springs, Louisiana	80,000	Delek Refining LTD	
AlonUSA Energy Inc		Tyler, Texas	60,000
Big Spring, Texas	67,000	BP-HUSKY REFINING LLC (50% BP, 50% Husky)	
TOTAL SA		BP-Husky Refining LLC	
Total Petrochemicals Inc		Toledo, Ohio	135,000
Port Arthur, Texas	225,500	CALUMET LUBRICANTS CO	116,320
CHALMETTE REFINING LLC (50% ExxonMobil, 50% PDV)		Calumet Lubricants Co LP	
Chalmette Refining LLC		Superior, Wisconsin	38,000
Chalmette, Louisiana	192,500	Cotton Valley, Louisiana	13,020
CVR ENERGY	185,700	Princeton, Louisiana	8,300
Coffeyville Resources Rfg & Mktg		Calumet Shreveport LLC	
		Shreveport, Louisiana	57,000

Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2012

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day
NUSTAR ENERGY LP	112,021	United Refining Co	
Nustar Asphalt Refining LLC		Warren, Pennsylvania	65,000
Paulsboro, New Jersey	70,000	PLACID OIL CO	
Savannah, Georgia	28,000	Placid Refining Co	
Nustar Refining LLC		Port Allen, Louisiana	57,000
San Antonio, Texas	14,021	HUNT CONSLD INC	47,000
SUNCOR ENERGY INC	103,000	Hunt Refining Co	
Suncor Energy (USA) Inc		Tuscaloosa, Alabama	36,000
Commerce City West, Colorado	67,000	Hunt Southland Refining Co	
Commerce City East, Colorado	36,000	Sandersville, Mississippi	11,000
PETROLEO BRASILEIRO SA		ERGON INC	43,000
Pasadena Refining Systems Inc		Ergon Refining Inc	
Pasadena, Texas	100,000	Vicksburg, Mississippi	23,000
Total	16,538,439	Ergon West Virginia Inc	
Companies with Capacity 30,001 to 100,000 bbl/cd		Newell, West Virginia	20,000
SINCLAIR OIL CORP	98,500	COMPAGNIE NATIONALE A PORTEFEUILLE	
Sinclair Wyoming Refining Co		US Oil & Refining Co	
Sinclair, Wyoming	74,000	Tacoma, Washington	40,700
Little America Refining Co		Total	577,900
Evansville, Wyoming	24,500	Companies with Capacity 10,001 to 30,000 bbl/cd	
TRANSWORLD OIL USA INC		FJ MANAGEMENT INC	
Calcasieu Refining Co		Big West Oil Co	
Lake Charles, Louisiana	78,000	North Salt Lake, Utah	29,400
ARCTIC SLOPE REGIONAL CORP	74,700	COUNTRYMARK COOP INC	
Petro Star Inc		Countrymark Cooperative Inc	
Valdez, Alaska	55,000	Mount Vernon, Indiana	26,500
North Pole, Alaska	19,700	KERN OIL & REFINING CO	
NORTHERN TIER ENERGY LLC (50% ACON Investments, 50%TPG Capital)		Kern Oil & Refining Co	
St Paul Park Refining Co LLC		Bakersfield, California	26,000
Saint Paul, Minnesota	74,000		
UNITED REFINING INC			

Table 5. Refiners' Total Operable Atmospheric Crude Oil Distillation Capacity as of January 1, 2012

CORPORATION / Refiner / Location	Barrels per Calendar Day	CORPORATION / Refiner / Location	Barrels per Calendar Day

- a Formerly owned by Murphy Oil USA Inc.
- b Formerly owned by Sunoco Inc.
- c Holly Corp and Frontier Oil Refining & Marketing merged in July 2011.
- d Formerly owned by Shell Chemical LP.
- e Operations at Paramount Petroleum Corp's Paramount and Long Beach refineries have been combined. Long Beach is being used for storage only.
- f Formerly owned by Gary Williams Co.
- g Formerly owned by Ergon Inc.
- h Formerly owned by Murphy Oil USA Inc.
- i Formerly owned by AGE Refining & Marketing Inc.
- j Formerly owned by Wyoming Refining Co.
- k Formerly owned by Somerset Energy Refining LLC.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Table 6. Operable Crude Oil and Downstream Charge Capacity of Petroleum Refineries, January 1, 1981 to**January 1, 2012**

(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Atmospheric Crude Oil Distillation	Downstream Charge Capacity							
		Vacuum Distillation	Thermal Cracking	Catalytic Cracking		Catalytic Hydro- Cracking	Catalytic Reforming	Hydrotreating/ Desulfurization	Fuels Solvent Deasphalting
				Fresh	Recycled				
JAN 1, 1981	19,763	7,033	1,587	5,543	594	909	4,098	8,487	NA
JAN 1, 1982	19,018	7,197	1,782	5,474	562	892	3,966	8,539	NA
JAN 1, 1983	17,871	7,180	1,715	5,402	488	883	3,918	8,354	NA
JAN 1, 1984	17,059	7,165	1,852	5,310	492	952	3,907	9,009	NA
JAN 1, 1985	16,501	6,998	1,858	5,232	507	1,053	3,750	8,897	NA
JAN 1, 1986	16,346	6,892	1,880	5,214	463	1,125	3,744	8,791	NA
JAN 1, 1987	16,460	6,935	1,928	5,251	466	1,189	3,805	9,083	230
JAN 1, 1988	16,825	7,198	2,080	5,424	381	1,202	3,891	9,170	240
JAN 1, 1989	16,568	7,225	2,073	5,324	326	1,238	3,911	9,440	245
JAN 1, 1990	16,507	7,245	2,108	5,441	314	1,282	3,896	9,537	279
JAN 1, 1991	16,557	7,276	2,158	5,559	304	1,308	3,926	9,676	271
JAN 1, 1992	16,633	7,127	2,100	5,608	280	1,363	3,907	9,644	276
JAN 1, 1993	15,935	6,892	2,082	5,540	244	1,397	3,728	9,677	269
JAN 1, 1994	15,904	6,892	2,107	5,586	191	1,376	3,875	10,616	261
JAN 1, 1995	16,326	7,248	2,123	5,583	169	1,386	3,867	10,916	251
JAN 1, 1997	16,287	7,349	2,050	5,595	155	1,388	3,727	11,041	275
JAN 1, 1999	17,155	7,538	2,046	5,920	153	1,552	3,779	11,461	319
JAN 1, 2000	17,393	7,617	2,163	5,949	99	1,576	3,770	11,440	351
JAN 1, 2001	17,511	7,798	2,277	5,983	86	1,615	3,797	11,673	350
JAN 1, 2002	17,676	7,779	2,329	5,989	80	1,633	3,753	11,845	362
JAN 1, 2003	17,675	7,788	2,377	6,052	79	1,644	3,777	11,987	350
JAN 1, 2004	17,815	7,964	2,435	6,098	87	1,602	3,812	13,501	366
JAN 1, 2005	18,031	8,120	2,491	6,151	87	1,624	3,836	14,087	384
JAN 1, 2006	18,308	8,398	2,540	6,188	87	1,637	3,859	14,808	386
JAN 1, 2007	18,425	8,251	2,564	6,219	82	1,791	3,908	15,447	379
JAN 1, 2008	18,558	8,421	2,606	6,266	79	1,770	3,892	15,807	378
JAN 1, 2009	18,681	8,542	2,639	6,292	79	1,743	3,829	16,131	381
JAN 1, 2010	18,581	8,543	2,632	6,140	92	1,820	3,700	16,023	383
JAN 1, 2011	18,953	8,650	2,672	6,220	96	1,856	3,721	16,683	383
JAN 1, 2012	18,560	8,680	2,763	6,033	85	1,880	3,642	16,565	375
PADD I	1,255	560	82	516	5	22	214	957	20
PADD II	4,006	1,659	480	1,314	17	307	923	3,591	18
PADD III	9,326	4,599	1,510	3,118	42	938	1,767	8,897	240
PADD IV	668	240	89	200	5	30	132	558	6
PADD V	3,306	1,622	602	884	16	583	606	2,563	90
JAN 1, 2013^a	18,786	8,875	2,892	6,043	85	2,081	3,731	16,744	377
PADD I	1,255	560	82	516	5	22	214	957	22
PADD II	4,008	1,677	508	1,317	17	307	922	3,600	18
PADD III	9,641	4,775	1,611	3,126	42	1,139	1,857	9,066	240
PADD IV	668	240	89	200	5	30	132	558	6
PADD V	3,215	1,622	602	884	16	583	606	2,563	90
2012-2013^a	226	195	129	10	0	201	89	179	2
PADD I	0	0	0	0	0	0	0	0	2
PADD II	2	18	28	3	0	0	-1	9	0
PADD III	315	176	101	8	0	201	90	169	0
PADD IV	0	0	0	0	0	0	0	0	0
PADD V	-91	0	0	0	0	0	0	0	0

^a Projected data from refiners.

Notes:

NA = Not available.

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

The EIA-820 refinery capacity survey was not conducted for January 1, 1996 or January 1, 1998.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Table 7. Operable Production Capacity of Petroleum Refineries, January 1, 1981 to January 1, 2012

(Thousand Barrels per Stream Day, Except Where Noted)

Year/PAD District	Production Capacity							
	Alkylates	Aromatics	Asphalt and Road Oil	Isomers	Lubricants	Marketable Petroleum Coke	Hydrogen ^a (MMcfd)	Sulfur (short tons/day)
JAN 1, 1981	974	299	765	131	234	276	2,054	NA
JAN 1, 1982	984	290	740	162	242	267	1,944	NA
JAN 1, 1983	960	237	722	212	241	296	2,298	NA
JAN 1, 1984	945	218	800	208	241	407	2,444	NA
JAN 1, 1985	917	215	767	219	243	424	2,572	NA
JAN 1, 1986	941	276	804	258	246	356	2,357	NA
JAN 1, 1987	974	287	788	326	250	364	2,569	23,806
JAN 1, 1988	993	289	788	465	232	368	2,418	27,639
JAN 1, 1989	1,015	290	823	469	230	333	2,501	28,369
JAN 1, 1990	1,030	290	844	456	232	341	2,607	24,202
JAN 1, 1991	1,077	292	866	490	229	367	2,527	23,875
JAN 1, 1992	1,095	290	812	494	217	356	2,644	23,811
JAN 1, 1993	1,083	286	814	499	217	393	2,674	25,940
JAN 1, 1994	1,086	278	793	499	213	410	2,940	24,554
JAN 1, 1995	1,105	285	846	502	217	427	3,139	24,885
JAN 1, 1997	1,120	288	872	577	244	458	3,052	26,466
JAN 1, 1999	1,172	302	846	667	233	441	3,104	26,423
JAN 1, 2000	1,185	315	886	643	218	464	3,143	26,645
JAN 1, 2001	1,191	318	900	654	214	538	3,230	27,446
JAN 1, 2002	1,181	313	917	658	218	548	3,244	29,107
JAN 1, 2003	1,191	316	873	679	216	646	3,265	29,766
JAN 1, 2004	1,205	322	887	688	210	672	3,258	30,606
JAN 1, 2005	1,229	318	881	703	217	696	2,965	31,004
JAN 1, 2006	1,238	319	893	708	220	709	2,823	32,421
JAN 1, 2007	1,227	306	877	739	234	722	3,100	33,021
JAN 1, 2008	1,261	285	858	727	249	735	3,109	33,487
JAN 1, 2009	1,261	299	847	736	230	762	2,914	33,500
JAN 1, 2010	1,249	271	844	715	240	760	2,985	34,058
JAN 1, 2011	1,262	297	828	703	243	778	3,082	35,483
JAN 1, 2012	1,247	297	796	688	242	823	3,215	36,663
PADD I	79	10	145	27	21	21	74	1,079
PADD II	273	95	268	144	9	148	589	6,710
PADD III	626	188	217	305	172	462	1,067	22,351
PADD IV	46	0	76	16	0	28	182	993
PADD V	223	4	89	197	40	164	1,303	5,530
JAN 1, 2013^b	1,248	297	795	733	243	863	3,320	39,098
PADD I	79	10	145	27	21	21	74	1,079
PADD II	274	95	268	144	9	157	619	6,975
PADD III	626	188	216	349	173	493	1,142	24,521
PADD IV	46	0	76	16	0	28	182	993
PADD V	223	4	89	197	40	164	1,303	5,530
2012-2013^b	1	0	-1	45	1	40	105	2,435
PADD I	0	0	0	0	0	0	0	0
PADD II	1	0	0	0	0	9	30	265
PADD III	0	0	-1	44	1	31	75	2,170
PADD IV	0	0	0	0	0	0	0	0
PADD V	0	0	0	0	0	0	0	0

^a Includes hydrogen production capacity of hydrogen plants on refinery grounds.

^b Projected data from refiners.

Notes:

NA = Not available. MMcfd = Million cubic feet per day.

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

The EIA-820 refinery capacity survey was not conducted for January 1, 1996 or January 1, 1998.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Table 8. Capacity and Fresh Feed Input to Selected Downstream Units at U.S. Refineries, 2010 - 2012
(Barrels per Calendar Day)

Year/PAD District	Cokers		Catalytic Crackers		Hydrocrackers		Reformers	
	Capacity	Inputs	Capacity	Inputs	Capacity	Inputs	Capacity	Inputs
2010	2,387,896	1,996,285	5,675,830	4,872,625	1,663,115	1,421,537	3,378,841	2,632,422
PADD I	45,300	28,137	586,000	495,890	21,500	19,488	226,266	185,052
PADD II	380,191	337,888	1,139,103	1,000,126	256,200	228,540	844,628	693,542
PADD III	1,321,900	1,114,436	2,944,919	2,554,510	835,335	686,882	1,644,941	1,243,485
PADD IV	80,550	55,548	190,500	161,512	26,500	21,145	119,760	97,359
PADD V	559,955	460,277	815,308	660,586	523,580	465,482	543,246	412,984
2011	2,396,787	2,089,014	5,794,214	4,930,310	1,687,745	1,462,310	3,346,457	2,583,236
PADD I	93,700	37,932	673,300	490,729	41,500	18,030	266,950	188,389
PADD II	373,897	350,063	1,176,972	1,012,068	254,000	226,044	812,244	664,830
PADD III	1,318,440	1,178,753	2,933,842	2,553,192	841,285	738,378	1,629,967	1,256,334
PADD IV	80,350	63,362	185,800	158,192	28,200	18,214	120,190	96,649
PADD V	530,400	458,904	824,300	716,129	522,760	461,644	517,106	377,033
2012	2,499,293	NA	5,611,191	NA	1,706,540	NA	3,246,874	NA
PADD I	74,900	NA	489,300	NA	20,000	NA	195,550	NA
PADD II	431,187	NA	1,172,844	NA	284,200	NA	819,587	NA
PADD III	1,373,056	NA	2,933,400	NA	843,984	NA	1,583,165	NA
PADD IV	82,250	NA	187,847	NA	28,200	NA	120,816	NA
PADD V	537,900	NA	827,800	NA	530,156	NA	527,756	NA

NA = Not Available.

Note: Capacities are as of January 1 of the indicated year.

Sources: Capacities are from the Energy Information Administration (EIA) Form EIA-820, "Annual Refinery Report."

Inputs are from the form EIA-810, "Monthly Refinery Report." Year 2010 data is final, 2011 data is preliminary.

Table 9. Refinery Receipts of Crude Oil by Method of Transportation by PAD District, 2011

(Thousand Barrels)

Method	PAD Districts					United States
	I	II	III	IV	V	
Pipeline						
Domestic	3,623	691,966	849,599	87,317	238,246	1,870,751
Foreign	20,188	532,689	348,089	75,749	55,130	1,031,845
Tanker						
Domestic	4,889	0	8,865	0	196,270	210,024
Foreign	339,406	0	1,397,940	0	351,943	2,089,289
Barge						
Domestic	3,726	175	64,883	0	628	69,412
Foreign	22,873	0	32,984	0	25,829	81,686
Tank Cars						
Domestic	0	465	1,382	0	4,400	6,247
Foreign	29	0	113	0	146	288
Trucks						
Domestic	4,710	6,846	40,752	35,864	7,058	95,230
Foreign	0	0	0	0	0	0
Total						
Domestic	16,948	699,452	965,481	123,181	446,602	2,251,664
Foreign	382,496	532,689	1,779,126	75,749	433,048	3,203,108

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report."

Table 10a. Fuel Consumed at Refineries by PAD District, 2011
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					United States
	I	II	III	IV	V	
Crude Oil	0	0	0	0	0	0
Liquefied Petroleum Gases	0	523	314	23	431	1,291
Distillate Fuel Oil	28	0	136	0	319	483
Residual Fuel Oil	18	44	5	15	677	759
Still Gas	13,224	47,751	108,671	8,786	39,284	217,716
Marketable Petroleum Coke	0	0	0	767	143	910
Catalyst Petroleum Coke	9,766	16,834	42,186	2,707	11,650	83,143
Natural Gas (million cubic feet)	32,745	141,815	434,493	26,101	156,599	791,753
Coal (thousand short tons)	31	0	0	0	0	31
Purchased Electricity (million kWh)	2,940	11,219	24,840	1,975	5,221	46,195
Purchased Steam (million pounds)	4,212	14,866	77,718	1,465	14,349	112,610
Other Products ^a	11	30	1,140	5	1,119	2,305

Note: Includes volumes used as fuel at refineries and all nonprocessing losses of crude oil and petroleum products (e.g., spills, fire losses, contamination, etc.)

^a Includes pentanes plus, other hydrocarbons, oxygenates, hydrogen, unfinished oils, gasoline, special naphthas, jet fuel, lubricants, asphalt and road oil, and miscellaneous products.

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report," and Form EIA-810, "Monthly Refinery Report."

Table 10b. Natural Gas Used as Feedstock for Hydrogen Production by PAD District, 2011
(Million Cubic Feet)

Commodity	PAD Districts					United States
	I	II	III	IV	V	
Natural Gas Used As Feedstock For Hydrogen Production	4,815	44,623	50,968	12,896	56,163	169,465

Source: Energy Information Administration (EIA), Form EIA-820, "Annual Refinery Report".

Table 11. New, Shutdown and Reactivated Refineries During 2011

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd) ^a	Total Downstream Charge Capacity (bbl/sd) ^b	Date Operable	Date of Last Operation	Date Shutdown
REACTIVATED						
PAD District III		9,589	0			
^c Lazarus Energy LLC	Nixon, TX	9,589	0	12/11		
OTHER						
PAD District V		84,500	78,500			
^d Paramount Petroleum Corporation	Paramount, CA	84,500	78,500			
SHUTDOWN						
PAD District I		429,300	831,500			
ConocoPhillips Company	Trainer, PA	185,000	370,900		10/11	10/11
Western Refining Yorktown Inc	Yorktown, VA	66,300	182,600		09/10	12/11
Sunoco Inc	Marcus Hook, PA	178,000	278,000		12/11	12/11
PAD District V		2,800	0			
Tenby Inc	Oxnard, CA	2,800	0		12/11	12/11

^a bbl/cd=Barrels per calendar day.

^b bbl/sd=Barrels per stream day.

^c Formerly Owned by Texas United Refining Corp.

^d Operations at Paramount Petroleum Corp's Paramount and Long Beach refineries have been combined. Long Beach is being used for storage only.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and Form EIA-820, "Annual Refinery Report."

Table 12. Refinery Sales During 2011

Former Corporation/Refiner	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	New Corporation/Refiner	Date of Sale
Sunoco Inc./Sunoco Inc. Toledo, OH	160,000	PBF Energy Co. LLC/Toledo Refining Co. LLC	3/11
AGE Refining & Marketing Inc./Age Refining Inc. San Antonio, TX	14,021	NuStar Energy LP/NuStar Refining LLC	4/11
Ergon Inc./Lion Oil Co. El Dorado, AR	83,000	Delek Group Ltd./Lion Oil Co.	5/11
Wyoming Refining Co./Wyoming Refining Co. New Castle, NY	14,000	Black Elk Refining LLC/Wyoming Refining Co.	6/11
Frontier Oil Refining & Marketing/Frontier El Dorado Refining Co. El Dorado, KS	138,000	HollyFrontier Corp./Frontier El Dorado Refining Co.	7/11
Frontier Oil Refining & Marketing/Frontier Refining Inc. Cheyene, WY	47,000	HollyFrontier Corp./Frontier Refining Inc.	7/11
Holly Corp./Holly Refining & Marketing Co. Tulsa East, OK Tulsa West, OK Woods Cross, UT	70,300 85,000 25,050	HollyFrontier Corp./Holly Refining & Marketing Co.	7/11
Holly Corp./Navajo Refining Co. Artesia, NM	105,000	HollyFrontier Corp./Navajo Refining Co.	7/11
Murphy Oil Corp./Murphy Oil USA Inc. Superior, WI	34,300	Calumet Lubricants Co./Calumet Lubricants Co. LP	10/11
Murphy Oil Corp./Murphy Oil USA Inc. Meraux, LA	125,000	Valero Energy Corp./Valero Energy Corp.	10/11
Gary Williams Co./Wynnewood Refining Co. Wynnewood, OK	70,000	CVR Energy Inc./Wynnewood Refining Co.	12/11
Midsouth Energy LLC/Somerset Energy Refining LLC Somerset, KY	5,500	Continental Refining Co. LLC/Continental Refining Co. LLC	12/11
Royal Dutch/Shell Group Shell Chemical LP Saint Rose, LA	55,000	Royal Dutch/Shell Group/Shell Oil Products US	12/11

Notes:

Garco Energy LLC sold its Douglas, WY refinery to Antelope Refining LLC on March 31, 2012.

Delta Air Lines wholly-owned subsidiary, Monroe Energy LLC, entered into an agreement with ConocoPhillips to purchase the Trainer, PA refinery on April 30, 2012.

Energy Transfer Partners, L.P. agreed to acquire Sunoco, Inc. on April 30, 2012.

On May 1, 2012, ConocoPhillips split into 2 companies: ConocoPhillips and Phillips66.

bbl/cd= Barrels per calendar day as of January 1, 2012

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and Form EIA-820, "Annual Refinery Report."

Table 13. Refineries Permanently Shutdown By PAD District Between January 1, 1990 and January 1, 2012

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bb/cd)	Total Downstream Charge Capacity (bb/sd)	Date of Last Operation	Date Shutdown
PAD District I		647,450			
GNC Energy Corp	Greensboro, NC	3,000	0	a	
Primary Energy Corp	Richmond, VA	6,100	0	a	
Saint Mary's Refining Co	Saint Mary's, WV	4,000	4,480	02/93	03/93
Cibro Refining	Albany, NY	41,850	27,000	07/93	09/93
Calumet Lubricants Co LP	Rouseville, PA	12,800	26,820	03/00	06/00
Young Refining Corp.	Douglasville, GA	5,400	0	07/04	07/04
Sunoco Inc	Westville, NJ	145,000	263,000	11/09	02/10
ConocoPhillips	Trainer, PA	185,000	370,900	10/11	10/11
Western Refining Yorktown Inc	Yorktown, VA	66,300	182,600	09/10	12/11
Sunoco Inc	Marcus Hook, PA	178,000	278,000	12/11	12/11
PAD District II		460,315			
Coastal Refining & Mktg	El Dorado, KS	0	20,000	b	
Intercoastal Energy Svcs Corp	Troy, IN	1,250	2,250	11/90	03/91
Farmland Industries	Philipsburg, KS	26,400	22,800	12/91	07/92
Coastal Refining & Mktg	Wichita, KS	28,800	41,300	05/93	06/93
Coastal Refining & Mktg	Augusta, KS	0	21,000	06/93	06/93
Crystal Refining	Carson City, MI	3,000	0	10/92	09/93
Marathon	Indianapolis, IN	50,000	68,000	09/93	10/93
Indian Refining	Lawrenceville, IL	80,750	103,000	09/95	10/95
Cyril Petrochemical Corp	Cyril, OK	7,500	0	09/95	12/95
Laketon Refining	Laketon, IN	11,100	0	06/95	01/96
Total Petroleum, Inc.	Arkansas City, KS	56,000	74,840	08/96	09/96
TPI Petro Inc.	Alma, MI	51,000	63,300	11/99	12/99
Premcor Refining Group	Blue Island, IL	80,515	124,500	01/01	04/01
Premcor Refining Group	Hartford, IL	64,000	116,700	09/02	10/02

Table 13. Refineries Permanently Shutdown By PAD District Between January 1, 1990 and January 1, 2012

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	Total Downstream Charge Capacity (bbl/sd)	Date of Last Operation	Date Shutdown
PAD District III		303,580			
Imron Refining, Inc.	San Leon, TX	7,000	0	c	08/90
Eagle Refining	Jackson, TX	1,800	1,800	01/90	10/90
Vulcan Refining	Cordova, AL	9,500	5,000	09/90	12/90
Sabine Resources	Stonewall, LA	12,000	0	c	02/92
Rattlesnake Refining	Wickett, TX	8,000	10,400	02/92	03/92
Texas United Refining Corp	Nixon, TX	20,900	16,500	04/92	06/92
Longview Refining Assoc	Longview, TX	13,300	13,800	08/92	09/92
Thriftway Co	Bloomfield, NM	4,000	3,250	01/92	10/92
El Paso Refining	El Paso, TX	50,000	76,000	10/92	12/92
Dubach Gas	Dubach, LA	8,500	3,000	12/93	12/93
Amerada Hess	Purvis, MS	30,000	50,500	01/94	02/94
Barrett Refg Corp	Vicksburg, MS	8,000	0	06/95	01/96
Arcadia Refining & Mktg	Lisbon, LA	7,350	6,700	01/96	02/96
Canal Refg Co.	Chuch Point, LA	9,500	2,100	07/95	09/97
Gold Line Refining LTD	Jennings, LA	12,000	0	07/97	01/98
Petrolite Corp	Kilgore, TX	600	750	12/97	02/98
Pride Refining Inc.	Abilene, TX	42,750	40,500	05/98	04/98
Shell Oil Co	Odessa, TX	28,300	33,500	10/98	11/98
Berry Petroleum Co.	Stephens, AR	6,700	3,700	07/99	02/00
Dow Haltermann Products	Channelview, TX	880	0	09/04	12/05
Hunt Southland Refining Co	Lumberton, MS	5,800	0	03/05	12/06
Gulf Atlantic Operations LLC	Mobile, AL	16,700	15,400	03/06	09/07
PAD District IV		58,000			
Amoco Oil Co.	Casper, WY	40,000	44,900	12/91	12/91
Landmark Refining	Fruita, CO	10,000	25,900	01/92	11/93
Pennzoil Producing Co.	Roosevelt, UT	8,000	12,900	09/94	10/94

Table 13. Refineries Permanently Shutdown By PAD District Between January 1, 1990 and January 1, 2012

PAD District / Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (bbl/cd)	Total Downstream Charge Capacity (bbl/sd)	Date of Last Operation	Date Shutdown
PAD District V		311,925			
Gibson Oil & Refining	Bakersfield, CA	9,600	0	07/87	12/90
Chevron USA Inc	Kenai, AK	22,000	0	06/91	07/91
Anchor Refining Co.	McKittrick, CA	10,000	6,000	06/91	08/91
Golden West	Santa Fe Springs, CA	47,000	94,300	02/92	03/92
Eco Asphalt Inc.	Long Beach, CA	10,550	7,000	c	10/92
Fletcher Oil & Refining	Carson, CA	29,675	48,100	09/92	10/92
Sunbelt Refining	Coolidge, AZ	10,000	7,000	08/93	09/93
Chemoil Refining Corp	Long Beach, CA	18,000	0	02/94	04/94
Powerine Oil Co.	Santa Fe Springs, CA	46,500	100,300	06/95	09/95
Sunland Refining Corp.	Bakersfield, CA	12,000	2,650	03/95	12/95
Intermountain Refining Co.	Fredonia, AZ	3,800	2,000	01/94	05/96
Pacific Refining Co.	Hercules, CA	50,000	62,400	07/95	09/97
Sound Refining Inc	Tacoma, WA	40,000	45,200	10/98	12/98
Chevron USA Inc.	Richmond Beach, WA	0	6,200	05/00	06/00
Foreland Refining Corp.	Tonopah, NV	0	3,000	02/01	01/02
Tricor Refining LLC	Bakersfield, CA	0	14,400	07/01	01/02
Paramount Petroleum Corporation	Portland, OR	0	10,000	11/06	12/08
Tenby Inc	Oxnard, CA	2,800	0	12/11	12/11
U.S. Total		1,781,270			
PAD District VI		204,300			
Arochem International	Ponce, PR	75,600	37,000	12/91	12/92
Peerless Oil & Chemical	Ponce, PR	8,800	45,200	09/94	12/94
Chevron Phillips Chem	Guayama, PR	0	93,200	03/01	01/02
Caribbean Petroleum Corp	San Juan, PR	42,000	60,500	12/00	01/05
Shell Chem Yabucoa Inc	Yabucoa, PR	77,900	91,300	10/08	12/09

a. Facility in operation as other than a refinery since it no longer processes crude oil or unfinished oils.

b. Facility maintained asphalt production capacity until September, 2004.

c. Never Operated

bbl/cd=Barrels per calendar day

bbl/sd=Barrels per stream day.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and Form EIA-820, "Annual Refinery Report."

Explanatory Notes

Survey Methodology

Description of Survey Form

The Form EIA-820, “Annual Refinery Report,” is the primary source of data in the “Refinery Capacity Report” tables. The form collects data on the consumption of purchased steam, electricity, coal, and natural gas; refinery receipts of crude oil by method of transportation; operable capacity for atmospheric crude oil distillation units and downstream units; and production capacity for crude oil and petroleum products.

Frame

The respondent frame consists of all operating and idle petroleum refineries (including new refineries under construction), located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions. As of January 1, 2012 there were 145 refineries.

The respondent frame is maintained by monitoring the monthly Form EIA-810, “Monthly Refinery Report,” and industry publications for changes and developments in the petroleum industry such as refinery sales, mergers and new operations.

Collection

The Form EIA-820 is sent to respondents in December. Survey forms can be submitted by electronic mail or facsimile. Completed forms are required to be postmarked by the 15th day of February of the current report year. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to secure responses from those companies failing to report by February 15th.

Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal

consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

Imputation and Estimation

Imputation is performed for companies that fail to file prior to the publication deadline. When nonresponse occurs, values for these companies are imputed from data reported on the most recent year’s Form EIA-820 and/or from data reported on Form EIA-810, “Monthly Refinery Report,” for that company. For most surveyed items, the value imputed for nonrespondents is the value that the company reported on the Form EIA-820 for the most recent year. For three categories of information however, the imputed value is also based on their data from the Form EIA-810 as follows:

Part 4: Refinery Receipts of Crude Oil by Method of Transportation

The imputation methodology for this section is based on data reported on both the monthly Form EIA-810 and the annual Form EIA-820. Annual refinery receipts of domestic and foreign crude oil for a nonrespondent are imputed by aggregating the values for the refinery on the monthly survey. These values are allocated to the method of transportation by using the percentages reported for the refinery in the previous year.

Part 5: Atmospheric Crude Oil Distillation Capacity

Operable atmospheric crude oil distillation capacity in barrels per calendar day is collected on the monthly Form EIA-810 as of the first day of each month and on the annual Form EIA-820 as of January 1. As part of the editing process for the Form EIA-820, these two values are compared. Companies are contacted and any discrepancies are resolved by the time of publication. Imputed values for operable atmospheric crude oil distillation capacity in barrels per calendar day are taken directly from the January Form EIA-810. A barrel per stream day capacity is then derived by dividing the reported barrels per calendar day capacity by .95.

Parts 6 and 7: Downstream Charge Capacity and Production Capacity

Current year and projected year data for downstream charge capacity and production capacity are taken directly from the previous year's annual report.

Macro Editing

A comparison of the data collected on the EIA-820 with other similar data series and industry trade journals is performed each year.

Dissemination

Prior to 2006, the data collected on Form EIA-820, "Annual Refinery Report," was published in the *Petroleum Supply Annual, Volume 1*. Beginning with data for 2006, the Form EIA-820 data are published as a standalone product in the EIA publication "Refinery Capacity Report." This report contains statistics on consumption of purchased steam, electricity, coal, and natural gas; refinery receipts of crude oil by method of transportation; current and projected capacities for atmospheric crude oil distillation, downstream charge and production capacities. The data are also published in the *Annual Energy Review*. The "Refinery Capacity Report" can be found at:

<http://www.eia.gov/petroleum/refinerycapacity/>

Additional Sources of Data

The Form EIA-820, "Annual Refinery Report," is the primary source of data in the "Refinery Capacity Report" tables. In addition, some data collected on the Form EIA-810, "Monthly Refinery Report," are included.

Quality

Response Rates

The response rate for the Form EIA-820 is normally 100 percent.

Non-sampling Errors

There are two types of errors usually associated with data produced from a survey -sampling errors and nonsampling errors. Because estimates from the Form

EIA-820 survey are based on a complete census of the frame of petroleum refineries, there is no sampling error in the data presented in this report. The data, however, are subject to nonsampling errors. Nonsampling errors are those which can arise from: (1) the inability to obtain data from all companies in the frame or sample (nonresponse) and the method used to account for nonresponses; (2) definitional difficulties and/or improperly worded questions which lead to different interpretations; (3) mistakes in recording or coding the data obtained from respondents; and (4) other errors of collection, response, coverage, and estimation. Quality control procedures are employed in the collection and editing operations to minimize misrepresentation and misreporting. Nonresponse follow-up procedures are employed to reduce the number of nonrespondents, and procedures employed to impute missing data, introduce a minimal amount of error, given the relatively small volume of imputed data.

Resubmissions

EIA-820 resubmissions are required whenever an error greater than 5 percent of the true value is discovered. In the event of a reporting error, company reports are updated after contact with the company and are followed up by corrected report resubmissions.

Revision Policy

The "Refinery Capacity Report" reflects EIA's final data on refinery capacity and will be revised only if, in EIA's judgment, a revision is expected to substantively affect understanding of the U.S. refinery capacity.

Confidentiality

Information on operable atmospheric crude oil distillation capacity, downstream charge capacity, and production capacity reported on Parts 5, 6, and 7 of Form EIA-820 are not considered confidential and are published in the "Refinery Capacity Report." All other information reported on Form EIA-820 (i.e. Parts 3 and 4 and respondent information) will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905.

The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another component of the Department of Energy (DOE); to any Committee of Congress, the General Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

Refinery Capacity History

Refinery capacity data collection was begun in 1918 by the Bureau of Mines, then in the Department of Commerce, and was operated on a voluntary basis until 1980. In 1980, the mandatory Energy Information Administration (EIA) Form EIA-177, "Capacity of Petroleum Refineries," was implemented. Information on refining capacity was expanded to include not only current year operations, but two-year projections, and refinery input/production data. Working storage capacity data was also added to the form and product categories were added for total coverage. Information on refinery downstream facilities was expanded to include a breakdown of thermal operations and to add vacuum distillation, catalytic hydrotreating and hydrorefining. Production capacity was also added to include information on isomerization, alkylation, aromatics, asphalt/road oil, coking, lubricants and hydrogen.

In 1983, the form was revised to improve the consistency and quality of the data collected by the EIA and redesignated as Form EIA-820, "Annual Refinery

Report." Two sections for data previously reported monthly were added: (1) refinery receipts of crude oil by method of transportation, and (2) fuels consumed for all purposes at refineries. Also, the second year projections on refining capacity were eliminated. As a result of a study conducted by the EIA evaluating motor gasoline data collected by the Federal Highway Administration (FHWA) and by the EIA, motor gasoline blending plants were included for the first time in the respondent frame in order to produce more accurate statistics on the production of motor gasoline.

In 1987, the form was revised to reduce respondent burden and to better reflect current refinery operations through updated terminology. Information on projected input/production of refinery processing facilities was deleted. Several categories under catalytic hydrotreating were combined: naphtha and reformer feeds were combined into a single category as well as residual fuel oil and "other." Thermal cracking types, gas oil and "other" were also combined into a single category. Catalytic reforming types, conventional and bi-metallic were replaced with low and high pressure processing units. Two new categories were added: fuels solvent deasphalting was added to downstream charge capacity and sulfur recovery was added to production capacity.

In 1994, the form was revised to enable EIA to calculate utilization rates for certain downstream processing units and to reflect storage capacity of fuels mandated by the Clean Air Act Amendments of 1990. Additions to the form included calendar day downstream charge capacity for fluid and delayed coking, catalytic cracking, and catalytic hydrocracking. Also storage capacity categories for reformulated, oxygenated, and other finished motor gasoline were added, as well as oxygenate storage capacity and separate categories for high and low sulfur distillate fuel oil.

In 1995, motor gasoline blending plants were dropped from the survey frame, since by this time, the only section of the form that applied to them was working and shell storage capacity. Also in 1995, a decision was made to no longer collect storage capacity from shutdown refineries; therefore, these refineries were also eliminated from the survey frame.

In 1996, the survey was moved to a biennial schedule (every other year) and was renamed "Biennial Refinery Report." The survey was not conducted for January 1, 1996 or January 1, 1998. Respondents were not required

to submit data for crude oil and petroleum products consumed at refineries during 1995 and 1997. These data are available from the Form EIA-810, "Monthly Refinery Report." The requirement to submit data for refinery consumption of natural gas, coal, and purchased steam and electricity on the Form EIA-820 remained.

In 2000, the survey was moved to an annual schedule.

In 2004, the survey form was amended to reflect the increasing emphasis on the removal of sulfur from transportation fuels.

In 2009, natural gas used as feedstock for hydrogen plant production was added to the form. Also, isooctane production capacity was added.

In 2010, the survey form was amended to reflect the increasing use of bio-fuels. Storage capacities of biomass-based diesel fuel, other renewable diesel fuel and other renewable fuels were added to the form. Also, barrels per calendar day capacity of the catalytic reformer was added; previously this was only collected on a stream day basis.

In 2011, storage capacity data was removed from the form. Storage capacity is now being collected as of March 31 and September 30 on the Form EIA-810, "Monthly Refinery Report."