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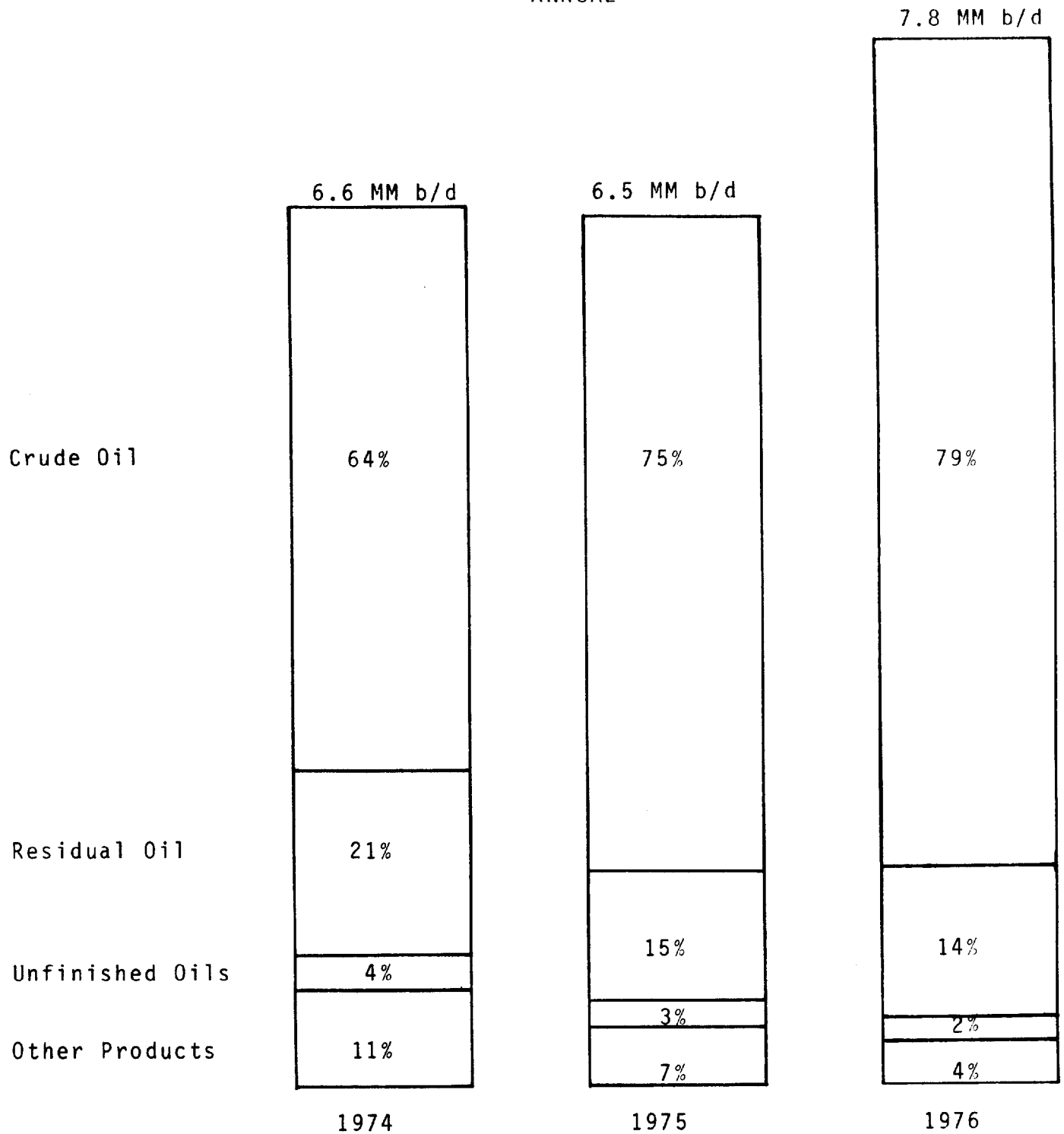
New York, N. Y. 10017

**U.S. OIL IMPORTS BY TYPE OF OIL
AND AREA OF ORIGIN**

Annual 1974-1976

March, 1977

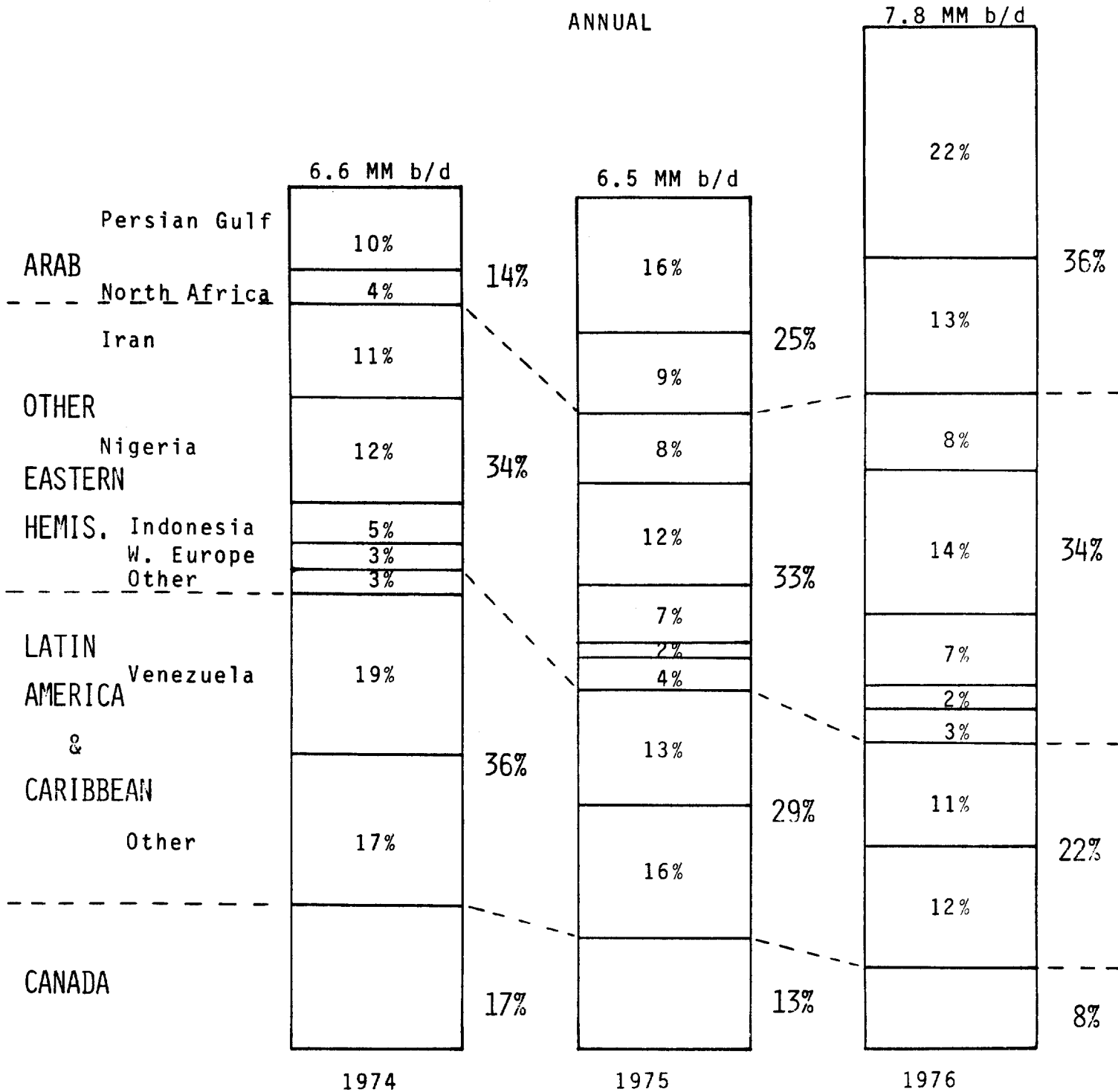
SHARES OF PETROLEUM IMPORTS*
BY TYPE OF OIL
ANNUAL



* Includes imports into Puerto Rico and the Virgin Islands, but excludes shipments from these areas to the Continental U.S.

Note: Percentages may not add to 100 due to rounding.

SHARES OF PETROLEUM IMPORTS*
BY AREA OF ORIGIN



* Includes imports into Puerto Rico and the Virgin Islands, but excludes shipments from these areas to the Continental U.S.

Note: Percentages may not add to 100 due to rounding.

U.S. Imports In 1976

Imports of petroleum into the U.S., including imports into Puerto Rico and the Virgin Islands, grew by 20% in 1976 while petroleum demand rose by 6.5%. Imports accounted for nearly 44% of demand last year, compared to 39% in 1975. The dollar value of oil imports rose by 28%, to \$31.8 billion. As a share of the value of total merchandise imports into the U.S., however, oil imports remained virtually unchanged at approximately 26%.

The U.S. imported 7.8 million barrels per day (MM b/d) of crude oil and products in 1976, compared to 6.5 MM b/d in 1975 and 6.6 MM b/d in 1974. In the second half of 1976, imports averaged 8.3 MM b/d. The source and composition of these imports and their changes from the previous year are shown in the attached charts and tables. The following comments offer a brief analysis of these trends and also provide information on indirect imports and low and high sulfur crude oil imports.

Source of Imports

a) Direct Imports

In 1976 the previous years' trend in the growth of the share and volume of Arab oil imports continued in full force. Arab oil imports grew from 25% of total U.S. imports in 1975 to 36% last year. Within the Arab total, Saudi Arabia showed the largest growth, rising last year to the rank of the single largest foreign

crude oil supplier to the U.S. and accounting for nearly one fifth of total crude oil imports. In the previous year that place had been held by Nigeria which dropped to second place in 1976. All Eastern Hemisphere imports, including the Arab ones, rose to 70% of total U.S. oil imports, compared to 58% in 1975. Among non-Arab sources a substantial increase was recorded by Nigeria and, on a percentage basis, by Western Europe, reflecting the beginning of North Sea oil exports.

Western Hemisphere imports declined from 42% to 30% of total U.S. imports between 1975 and 1976 and dropped volumetrically by nearly 400,000 b/d. Within Western Hemisphere sources, the sharpest decline was registered by Canada, reflecting that country's official policy of phasing out oil exports over the next four years. Venezuela, by contrast, showed only a small decline in shipments to the U.S., due primarily to a significant increase in residual fuel oil shipments which almost offset the decline in crude oil shipments. Among other Western Hemisphere imports, the only increase came from Mexico whose shipments rose by 17% to 89,000 b/d last year.

b) Indirect Imports

In 1976 38% of products imports came from five export refineries located in the Caribbean (Aruba, Curaçao, Bahamas, and Trinidad), compared to 42% in 1975. The official source of these imports is the respective Caribbean country. However, since most of the crude oil processed in these refineries is of non-Caribbean origin, a tracing of these products imports to

their crude oil origins affords a more complete picture of the true source of origin of U.S. oil imports than their classification as Caribbean imports. The table below shows crude oil sources of these Caribbean refineries on an aggregated basis:

Table A

SOURCES OF CRUDE OIL SUPPLIES OF
FIVE NON-U.S. CARIBBEAN REFINERIES *

	<u>1975</u>		<u>1976</u>	
	<u>000 b/d</u>	<u>%</u>	<u>000 b/d</u>	<u>%</u>
Arab	277	29.8	263	25.0
Other Eastern Hemisphere	185	19.9	205	19.5
Latin America and Caribbean	<u>468</u>	<u>50.3</u>	<u>585</u>	<u>55.6</u>
Total	930	100.0	1053	100.0

* Aruba (1), Curaçao (1), Bahamas (1), Trinidad (2)

The increase in the volume and share of Latin American and Caribbean crude last year was due primarily to higher shipments from Venezuela. Parenthetically, it may be worth noting that at the crude runs shown above the five Caribbean refiners operated at about 59% of capacity in 1976.

Adjusting the data in Table I of the statistical annex to this report by the sources of origin shown above, we obtain the

following results:

Table B

TOTAL U.S. IMPORTS - ADJUSTED BY ORIGINAL
CRUDE OIL SOURCE OF NON-U.S. CARIBBEAN REFINERIES

ANNUAL

	<u>1975</u>	<u>1976</u>
	<u>000 b/d</u>	<u>000 b/d</u>
Arab	1839	2921
Other Eastern Hemisphere	2249	2754
Latin America and Caribbean	1544	1472
Canada	<u>846</u>	<u>623</u>
Total	6480	7770

Note: Figures may not add to totals shown due to rounding.

Table C

SHARES OF PETROLEUM IMPORTS BY AREA OF ORIGIN:
UNADJUSTED, AND ADJUSTED FOR INDIRECT IMPORT
DEPENDENCY THROUGH THE CARIBBEAN (%)

	<u>1975</u>		<u>1976</u>	
	<u>UNADJUSTED</u>	<u>ADJUSTED</u>	<u>UNADJUSTED</u>	<u>ADJUSTED</u>
Arab	25.2	28.4	35.7	37.6
Other Eastern Hemisphere	32.7	34.7	33.9	35.4
Latin America and Caribbean	29.1	23.8	22.4	18.9
Canada	<u>13.1</u>	<u>13.1</u>	<u>8.0</u>	<u>8.0</u>
Total	100.0	100.0	100.0	100.0

Note: Percentages may not add to 100.0 due to rounding.

Composition of Imports

a) Crude Oil

Crude oil imports grew by 26% in 1976, reaching 6.2 MM b/d or 79% of total oil imports. (See Table I.) The reasons for the increase were a 3% decline in domestic crude oil production last year and an 8% increase in the crude oil requirements of U.S. refineries.

There was a continuing shift to suppliers of low sulfur crude. In 1976 approximately 61% of all crude oil imported into the Continental U.S. from overseas sources were of low sulfur quality, compared to 53% in 1974 and nearly 60% in 1975. The table on the following page details this growth.

Table D

OVERSEAS IMPORTS OF CRUDE OIL FROM
LOW SULFUR SUPPLIERS INTO THE CONTINENTAL U.S.

(000 b/d)

	<u>1974</u>	<u>1975</u>	<u>1976</u>
ARAB			
Persian Gulf	85	163	308
North Africa	184	515	874
OTHER EASTERN HEMISPHERE			
Nigeria	67	732	1012
Other W. Africa	72	103	72
Indonesia	282	393	520
W. Europe	-	17	67
LATIN AMERICA AND CARIBBEAN	121	167	176
TOTAL	1418	2090	3029
PERCENT OF TOTAL OVERSEAS CRUDE OIL IMPORTS	52.6%	59.6%	61.2%

The principal reasons for the somewhat more rapid growth of low sulfur crude last year were (1) the continued need of many U.S. refineries to replace their declining domestic sources of low sulfur crude with foreign crude of similar quality, (2) the decline in imports of Canadian crude much of which is of low sulfur quality, and (3) the rapidly growing requirements for low sulfur oil by power plants and industry in California to replace natural gas as boiler fuel.

b) Products

Imports of residual oil increased volumetrically in 1976 over 1975, but declined once again as a share of total petroleum imports. (See Tables IV and V.) The volumetric increase, amounting to 14% over 1975, was due to both higher demand and the use of "entitlements" (access to price-controlled domestic crude oil) by the FEA to lower the cost of imported residual fuel and raise the cost of supplying domestic residual fuel oil to the U.S. East Coast.

Imports of unfinished oils and "other" products (distillate fuel oil, jet fuel, gasoline, etc.) continued to fall. Increased crude oil runs in domestic refineries allowed a greater portion of product demand to be met by U.S. refinery output. The relatively higher prices of foreign products provided a strong incentive to minimize their importation.

Virgin Islands and Puerto Rico Oil Trade

The Appendix to this report contains detailed data on imports into and shipments from the Virgin Islands and Puerto Rico. In 1976, 21% of offshore residual fuel oil supplies came from the Virgin Islands. The pace of shipments from the Virgin Islands was accelerating rapidly at year end, as was the pace of crude shipments into the territory. Thus, in December total Virgin Islands crude imports amounted to 1.1 million b/d or twice the average for all 1976.

Puerto Rico once again accounted for a large portion (nearly half) of total U.S. unfinished oil imports. This is due principally to the importation of naphtha as a petrochemical feedstock.

Explanation Of Data

The attached tables I-V are compilations of U.S. Department of Commerce data for imports of petroleum by country of origin. We have separated the data into two sets of figures. The first set reports all imports into the U.S. from foreign sources. In these Tables (I, II and III) imports into the Virgin Islands and Puerto Rico are treated as imports into the U.S. Inclusion of imports into these areas from foreign sources affords a more accurate picture of U.S. oil import dependency. In the text of this report (p.3-4), we have discussed other aspects of indirect import dependency. The second set of figures (Tables IV and V) treats shipments from the Virgin Islands and Puerto Rico to the Continental U.S. as imports. While this is the more common analysis of oil import dependency, it overstates imports from the Caribbean and understates imports from other areas. The Appendix supplies the balancing data on oil trade for the Virgin Islands and Puerto Rico.

Other pertinent U.S. import data are shown in Tables VI-VIII. The Department of Commerce data supply a consistent source for comparison of trends over the period covered by this report. It should be noted, however, that the Department of Commerce figures differ somewhat from other sources of petroleum import data such as the U.S. Department of Interior's Bureau of Mines or the Federal Energy Administration. Thus, comparisons among these different sources must be undertaken with caution.

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1. Crude Oil Imports into the Virgin Islands
2. Oil Imports into Puerto Rico
3. Shipments from Puerto Rico and the Virgin
Islands to the Continental U.S.

Notes: Unless otherwise noted, the source for data is the U.S. Department of Commerce (Bureau of Census), series IM-146, IM-145, IM-145V, IM-161, and 1A-253.

Any volume less than 500 b/d is not shown; figures may not add due to rounding.

Data for 1975 have been revised to reflect those figures which were unavailable at the time PIRINC's comparable report for 1973-1975 was published.

TABLE 1

ANNUAL IMPORTS*

		1974		1975 (Rev.)		1976		
		000 b/d	Total	000 b/d	Total	000 b/d	Total	
ARAB	PERSIAN GULF	Crude **	598		952		1707	
		Residual Oil	5		11		6	
		Unfinished Oils	4		16		7	
		Other Products	28		38		17	
		Total		635		1017		1737
	NORTH AFRICA	Crude	228		583		998	
		Residual Oil	11		25		29	
		Unfinished Oils	5		3		-	
Other Products		2		5		6		
	Total		246		616		1033	
OTHER EASTERN HEMISPHERE	IRAN	Crude	696		539		581	
		Residual Oil	3		1		-	
		Unfinished Oils	1		1		1	
		Other Products	5		1		-	
		Total		705		542		582
	NIGERIA	Crude	788		767		1093	
		Residual Oil	19		9		11	
		Unfinished Oils	-		-		-	
		Other Products	5		1		-	
		Total		812		777		1104
	INDONESIA	Crude	289		408		522	
		Residual Oil	11		17		14	
		Unfinished Oils	-		1		4	
		Other Products	8		5		7	
		Total		308		431		547
	WESTERN EUROPE	Crude	3		17		73	
Residual Oil		76		55		78		
Unfinished Oils		19		5		7		
Other Products		96		30		7		
	Total		194		107		165	
OTHER	Crude	119		149		152		
	Residual Oil	16		57		55		
	Unfinished Oils	10		15		5		
	Other Products	46		33		26		
	Total		191		254		233	
LATIN AMERICA & CARIBBEAN	VENEZUELA	Crude	466		503		320	
		Residual Oil	563		266		430	
		Unfinished Oils	78		41		37	
		Other Products	123		61		39	
		Total		1230		871		826
	OTHER	Crude	198		275		279	
		Residual Oil	608		530		474	
		Unfinished Oils	90		66		69	
Other Products		255		146		93		
	Total		1151		1017		919	
CANADA	Crude	838		633		432		
	Residual Oil	55		21		12		
	Unfinished Oils	63		59		49		
	Other Products	130		133		130		
	Total		1027		846		623	

CAN	Unfinished Oils	130	1087	133	846	100	623
	Other Products						
	Total						
TOTAL	Crude	4221		4826		6157	
	Residual Oil	1368		992		1109	
	Unfinished Oils	270		209		179	
	Other Products	698		453		325	
	Total		6558		6480		777

* Includes crude oil imports into the Virgin Island and all petroleum imports into Puerto Rico, but excludes shipments from these areas to the continental U.S.

** Includes Saudi Arabia (000 b/d) 435; 664; and 1191, respectively

TABLE II

SHARES AND INDICES

ANNUAL

(BASED ON TABLE I)

	<u>% Shares</u>			<u>Changes From 1973 Base</u>		
	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>
	<u>ARAB</u>					
Persian Gulf	9.7	15.7	22.4	95	152	259
North Africa	3.8	9.5	13.3	57	142	239
<u>OTHER EASTERN HEMISPHERE</u>						
Iran	10.7	8.4	7.5	161	124	133
Nigeria	12.4	12.0	14.2	153	146	208
Indonesia	4.7	6.7	7.0	144	201	256
Western Europe	3.0	1.7	2.1	70	39	60
Other	<u>2.9</u>	<u>3.9</u>	<u>3.1</u>	<u>114</u>	<u>151</u>	<u>142</u>
<u>EASTERN HEMISPHERE TOTAL</u>	47.1	57.8	69.6	113	137	198
<u>LATIN AMERICA & CARIBBEAN</u>						
Venezuela	18.8	13.4	10.6	86	61	58
Other	17.5	15.7	11.8	92	81	73

OTHER EASTERN HEMISPHERE

Iran	10.7	8.4	7.5	161	124	133
Nigeria	12.4	12.0	14.2	153	146	208
Indonesia	4.7	6.7	7.0	144	201	256
Western Europe	3.0	1.7	2.1	70	39	60
Other	<u>2.9</u>	<u>3.9</u>	<u>3.1</u>	<u>114</u>	<u>151</u>	<u>142</u>
<u>EASTERN HEMISPHERE TOTAL</u>	47.1	57.8	69.6	113	137	198
<u>LATIN AMERICA & CARIBBEAN</u>						
Venezuela	18.8	13.4	10.6	86	61	58
Other	17.5	15.7	11.8	92	81	73
<u>CANADA</u>	<u>16.6</u>	<u>13.1</u>	<u>8.0</u>	<u>78</u>	<u>61</u>	<u>45</u>
<u>WESTERN HEMISPHERE TOTAL</u>	52.9	42.2	30.4	85	67	58
<u>TOTAL</u>	100.0	100.0	100.0	97	95	114

TOTAL BY TYPE OF OIL

Crude	64.4	74.5	79.2	104	119	152
Residual	20.9	15.3	14.3	91	66	74
Unfinished Oils	4.1	3.2	2.3	102	79	67
Other Products	10.6	7.0	4.2	72	47	33
Total	100.0	100.0	100.0	97	95	114

TABLE III

IMPORTS* IN THE FIRST AND
SECOND HALF, 1976

PERSIAN GULF	Crude **	JAN.-JUN.		JUL.-DEC.	
		000 b/d	Total	000 b/d	Total
	Residual Oil	1488		1924	
	Unfinished Oils	6		6	
	Other Products	8		5	
	Total	19		16	

ARAB		Total	1521	10	1951
NORTH AFRICA	Crude	888		1107	
	Residual Oil	29		28	
	Unfinished Oils	-		1	
	Other Products	4		9	
	Total		921		1145
IRAN	Crude	554		609	
	Residual Oil	-		-	
	Unfinished Oils	1		1	
	Other Products	-		-	
	Total		555		610
NIGERIA	Crude	976		1209	
	Residual Oil	12		10	
	Unfinished Oils	-		-	
	Other Products	-		1	
	Total		988		1220
INDONESIA	Crude	486		558	
	Residual Oil	25		3	
	Unfinished Oils	5		3	
	Other Products	6		7	
	Total		522		571
WESTERN EUROPE	Crude	48		96	
	Residual Oil	89		68	
	Unfinished Oils	4		10	
	Other Products	7		6	
	Total		148		180
OTHER	Crude	125		179	
	Residual Oil	53		58	
	Unfinished Oils	5		5	
	Other Products	23		28	
	Total		206		270
VENEZUELA	Crude	283		356	
	Residual Oil	397		462	
	Unfinished Oils	34		40	
	Other Products	35		43	
	Total		749		901
OTHER	Crude	301		257	
	Residual Oil	476		472	
	Unfinished Oils	80		59	
	Other Products	106		80	
	Total		963		868
CANADA	Crude	424		439	
	Residual Oil	16		9	
	Unfinished Oils	64		34	
	Other Products	128		132	
	Total		632		614
TOTAL	Crude	5574		6733	
	Residual Oil	1103		1116	
	Unfinished Oils	201		157	
	Other Products	328		323	
	Total		7206		8329

* Includes crude oil imports into the Virgin Islands and all petroleum imports into Puerto Rico, but excludes shipments from these areas into the Continental U.S.

** Includes Saudi Arabia (000 b/d): 1073 and 1309, respectively

TABLE IV

ANNUAL IMPORTS*

		1974		1975 (Rev.)		1976	
		000 b/d	Total	000 b/d	Total	000 b/d	Total
ARAB	PERSIAN GULF	Crude	516		821		1582
		Residual Oil	5		11		6
		Unfinished Oils	3		5		4
		Other Products	28		38		17
		Total		552		878	1609
	NORTH AFRICA	Crude	199		525		903
		Residual Oil	11		25		29
		Unfinished Oils	-		-		-
Other Products		2		5		6	
	Total		212		554	938	
OTHER EASTERN HEMISPHERE	IRAN	Crude	480		284		287
		Residual	3		1		-
		Unfinished Oils	1		-		1
		Other Products	5		1		-
		Total		489		285	288
	NIGERIA	Crude	674		732		1012
		Residual Oil	19		9		11
		Unfinished Oils	-		-		-
		Other Products	5		1		-
		Total		698		743	1023
	INDONESIA	Crude	282		393		520
		Residual Oil	11		17		14
		Unfinished Oils	-		1		4
		Other Products	8		5		7
		Total		301		415	545
	WESTERN EUROPE	Crude	3		17		69
Residual Oil		76		55		78	
Unfinished Oils		11		3		1	
Other Products		96		30		7	
	Total		186		104	155	
OTHER	Crude	77		105		96	
	Residual Oil	16		57		55	
	Unfinished Oils	4		5		5	
	Other Products	45		33		26	
	Total		142		201	182	
LATIN AMERICA & CARIBBEAN	VENEZUELA	Crude	331		380		218
		Residual Oil	557		264		429
		Unfinished Oils	48		17		7
		Other Products	120		60		38
		Total		1056		720	692
	PUERTO RICO & VIRGIN I.	Residual Oil	291		276		331
		Unfinished Oils	27		10		15
		Other Products	172		204		214
		Total		490		490	560
	OTHER	Crude	134		250		269
		Residual Oil	605		526		472
		Unfinished Oils	43		23		24
Other Products		244		137		88	
	Total		1026		937	853	
CANADA	Crude	838		633		432	
	Residual Oil	54		21		12	
		61		58		49	

CANAD	Residual Oil	54	58	49		
	Unfinished Oils	61	133	130		
	Other Products	130				
	Total		1084	845		623
TOTAL	Crude	3534	4140	5388		
	Residual Oil	1648	1262	1437		
	Unfinished Oil	198	122	110		
	Other Products	855	647	533		
	Total		6236	6171		7468

* Excludes imports into Puerto Rico and the Virgin Islands, but includes shipments from these areas to the Continental U.S.

TABLE V

SHARES AND INDICES

ANNUAL

(BASED ON TABLE IV)

	<u>% Shares</u>			<u>Changes From 1973 Base</u>		
	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>
<u>ARAB</u>						
Persian Gulf	8.9	14.2	21.5	86	137	251
North Africa	3.4	9.0	12.6	63	165	279
<u>OTHER EASTERN HEMISPHERE</u>						
Iran	7.8	4.6	3.9	214	125	126
Nigeria	11.1	12.0	13.7	164	174	240
Indonesia	4.8	6.7	7.3	141	195	256
Western Europe	3.0	1.7	2.1	69	39	58
Other	2.3	3.3	2.4	101	144	130
<u>EASTERN HEMISPHERE TOTAL</u>	41.4	51.5	63.5	114	141	210
<u>LATIN AMERICA & CARIBBEAN</u>						
Venezuela	16.9	11.7	9.3	90	62	59
Puerto Rico and	7.9	7.9	7.5	107	107	123

OTHER EASTERN HEMISPHERE

Iran	7.8	4.6	3.9	214	125	126
Nigeria	11.1	12.0	13.7	164	174	240
Indonesia	4.8	6.7	7.3	141	195	256
Western Europe	3.0	1.7	2.1	69	39	58
Other	2.3	3.3	2.4	101	144	130
<u>EASTERN HEMISPHERE TOTAL</u>	41.4	51.5	63.5	114	141	210
<u>LATIN AMERICA & CARIBBEAN</u>						
Venezuela	16.9	11.7	9.3	90	62	59
Puerto Rico and Virgin Islands	7.9	7.9	7.5	107	107	123
Other	16.5	15.2	11.4	90	82	75
<u>CANADA</u>	17.4	13.7	8.3	78	61	45
<u>WESTERN HEMISPHERE TOTAL</u>	58.6	48.5	36.5	88	72	66
<u>TOTAL</u>	100.0	100.0	100.0	97	96	117

TOTAL BY TYPE OF OIL

Crude	56.7	67.1	72.1	105	124	161
Residual	26.4	20.4	19.2	95	73	83
Unfinished Oils	3.2	2.0	1.5	99	61	55
Other Products	13.7	10.5	7.1	76	57	47
Total	100.0	100.0	100.0	97	96	117

TABLE VI

OIL IMPORT UNIT PRICES*ANNUAL (\$/bbl)

	<u>1974</u>	<u>1975</u>	<u>1976</u>
<u>CRUDE</u>			
Heavy (under 25 ⁰ API)	9.62	10.48	11.00
Light (over 25 ⁰ API)	11.34	11.66	12.49
Composite	11.20	11.57	12.41
<u>RESIDUAL OIL</u>			
Heavy (under 25 ⁰ API)	9.53	10.53	10.52
Light (over 25 ⁰ API)	12.25	12.36	12.19
Composite	10.07	10.93	10.77
<u>UNFINISHED OILS</u>	12.26	12.01	13.75
<u>OTHER PRODUCTS</u>	11.44	11.95	11.48

*FOB Export Terminal

TABLE VII

VALUE OF OIL IMPORTS AS A PERCENTAGE
OF TOTAL U.S. MERCHANDISE IMPORTS

	<u>ANNUAL</u>		
	<u>1974</u>	<u>1975</u>	<u>1976</u>
Total Petroleum Imports* (\$ million)	24,269.5	24,814.3	31,792.8
Total Merchandise Imports (\$ million)	100,251.0	96,116.0	120,690.3
% Petroleum	24.2%	25.8%	26.3%

*Excludes imports into the Virgin Islands. In 1976 crude oil imports into the Virgin Islands were valued at \$2.4 billion.

Source: Survey of Current Business

TABLE VIII

PETROLEUM IMPORTS* AS A PERCENTAGE
OF TOTAL U.S. PETROLEUM DEMAND

(ANNUAL)

	<u>1974</u>	<u>1975</u>	<u>1976</u>
<u>Demand for Petroleum Products</u> (000 b/d)			
Continental U.S.	16,636	16,322	17,400
Virgin Islands & Puerto Rico	<u>279</u>	<u>279</u>	<u>285</u>
Total Demand	16,915	16,601	17,685
Petroleum Imports as a Percentage of Total Demand	38.8%	39.0%	43.9%

* Includes imports into Puerto Rico and the Virgin Islands,
but excludes shipments from these areas to the Continental U.S.

Sources for demand data: Virgin Islands and Puerto Rico from
Bureau of Mines for 1974; other years estimated.
Continental U.S. from Bureau of Mines for 1974; from American
Petroleum Institute (based on Bureau of Mines and API data)
for 1975 and 1976.

APPENDIX 1

CRUDE OIL IMPORTS INTO
THE VIRGIN ISLANDS

ANNUAL (000 b/d)

	<u>1974</u>	<u>1975</u>	<u>1976</u>
<u>ARAB</u>			
Persian Gulf	76	120	118
North Africa	2	45	46
 <u>OTHER EASTERN HEMISPHERE</u>			
Iran	185	223	272
Nigeria	110	30	81
Indonesia	5	15	1
Western Europe	-	-	3
Other	35	28	20
 <u>LATIN AMERICA & CARIBBEAN</u>			
Venezuela	39	28	6
Other	37	5	4
 <u>CANADA</u>			
	-	-	-
 <u>TOTAL</u>			
	488	494	552

		1974		1975		1976		
		000 b/d	Total	000 b/d	Total	000 b/d	Total	
ARAB	PERSIAN GULF	Crude	6		9		7	
		Residual Oil	-		-		-	
		Unfinished Oils	1		11		3	
		Other Products	-		-		-	
		Total		7		20		10
	NORTH AFRICA	Crude	27		13		49	
		Residual Oil	-		-		-	
		Unfinished Oils	5		3		-	
Other Products		-		-		-		
	Total		32		17		49	
OTHER EASTERN HEMISPHERE	IRAN	Crude	31		32		22	
		Residual Oil	-		-		-	
		Unfinished Oils	-		1		-	
		Other Products	-		-		-	
		Total		31		34		22
	NIGERIA	Crude	4		5		-	
		Residual Oil	-		-		-	
		Unfinished Oils	-		-		-	
		Other Products	-		-		-	
		Total		4		5		-
	INDONESIA	Crude	2		-		1	
		Residual Oil	-		-		-	
		Unfinished Oils	-		-		-	
		Other Products	-		-		-	
		Total		2		-		1
	WESTERN EUROPE	Crude	-		-		1	
Residual Oil		-		-		-		
Unfinished Oils		8		2		6		
Other Products		-		-		-		
	Total		8		2		7	
OTHER	Crude	7		16		36		
	Residual Oil	-		-		-		
	Unfinished Oils	6		10		-		
	Other Products	1		-		-		
	Total		14		26		36	
LATIN AMERICA & CARIBBEAN	VENEZUELA	Crude	96		95		96	
		Residual Oil	6		2		1	
		Unfinished Oils	30		24		30	
		Other Products	3		1		1	
		Total		135		123		128
	OTHER	Crude	27		20		6	
		Residual Oil	3		4		2	
		Unfinished Oils	47		43		45	
Other Products		11		9		5		
	Total		88		75		58	
DA	Crude	-		-		-		
	Residual Oil	1		-		-		

CANADA	Residual Oil	1	-	-	-
	Unfinished Oils	2	1	-	-
	Other Products	-	-	-	-
	Total		3	1	-
TOTAL	Crude	200	190	219	
	Residual Oil	10	6	2	
	Unfinished Oils	97	95	85	
	Other Products	16	10	6	
	Total		323	302	312

APPENDIX 3

SHIPMENTS FROM PUERTO RICO AND THE VIRGIN ISLANDS TO THE CONTINENTAL U.S.-ANNUAL (000 b/d)

	<u>1974</u>	<u>1975</u>	<u>1976</u>
<u>PUERTO RICO*</u>			
Residual Oil	5	7	15
Unfinished Oils	7	9	12
Other Products	78	74	60
Total	90	90	87
<u>VIRGIN ISLANDS</u>			
Residual Oil	286	269	316
Unfinished Oils	20	1	3
Other Products	94	130	154
Total	400	400	473
<u>TOTAL</u>			
Residual Oil	291	276	331
Unfinished Oils	27	10	15
Other Products	172	204	214
Total	490	490	560

* Source: Bureau of Mines

<u>PUERTO RICO*</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>
Residual Oil	5	7	15
Unfinished Oils	7	9	12
Other Products	78	74	60
Total	90	90	87

VIRGIN ISLANDS

Residual Oil	286	269	316
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TOTAL

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Other Products	172	204	214
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* Source: Bureau of Mines