

ALASKA LEGISLATURE COMMITTEE FILES 1983-1984 8672

2796 SRES. PETROLEUM PRICING

Table III-H-2

RAILBELT DEDUCED PRODUCT DEMAND AND INSTATE REFINER SUPPLY  
BPCD, 1982

PRODUCT	ANC/WHTR IMPORTS	CHEVRON---other		TESORO---other		NPR	TOTAL
GASOLINE	620	0		10180	1330	0	10800
JP-4	630	830		990		2120	4570
JET-B						550	550
AV-GAS	710	0		0		0	710
JET-A	4030	1280	970	12620	0	5360	22970
#1 HO/DSL/DFA	0	0	0	0		1800	1800
#2 HO/DSL	140	0	710	1870	2040	2300(+340b)	4310
#4 HO	0	0		0		810	810
ASPHALT, summer	120(c)	710(a)		0		0	830
TOTAL	6250	2820	1680	25660	3370	12940(+340b)	47350
CRUDE		11800		45200		43020	100020
fuel%=	1.6	180		720		680	1580
RESID		8250(b)		15450(b)		29060(d)	51090
%		70		34		68	51

-other indicates products sold instate (e.g. Valdez, Kodiak, Ketchikan, etc.)

(a) Chevron figures are annualized, refinery operated in batch mode

(b) Indicates product produced instate and sold "outside"

(c) Union at Anchorage produces asphalt during the summer season

(d) NPR returns this to TAPS

TABLE IV-I-1a

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 FAIRBANKS PRICE ANALYSIS AND COMPARISON, 1982, part one

	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
FAIRBANKS RETAIL PRICES												
FHO1rt1	130.60	130.70	126.70	125.70	123.80	123.30	121.90	121.90	121.70	121.30	121.20	121.20
FHO2rt1	123.60	123.80	120.10	118.70	117.00	117.10	114.30	114.80	114.60	114.40	113.90	113.90
FAIRBANKS TERMINAL PRICES AVERAGE												
FHO1	119.10	119.10	115.45	114.10	111.78	110.10	109.70	110.72	110.95	110.95	110.95	110.95
FHO2	113.10	113.10	109.45	108.10	105.78	104.10	103.70	103.89	103.95	103.95	103.95	103.95
NORTH POLE REFINERY RACK PRICES												
FHO1 np	110.40	110.40	106.75	105.40	103.00	103.00	97.50	97.50	97.50	97.50	97.50	97.50
FHO2 np	105.40	105.40	101.75	100.40	98.00	98.00	92.50	92.50	92.50	92.50	92.50	92.50
FAIRBANKS RETAIL LESS TERMINAL PRICES												
FHO1	11.50	11.60	11.25	11.60	12.02	13.20	12.20	11.18	10.75	10.35	10.25	10.25
FHO2	10.50	10.70	10.65	10.60	11.22	13.00	10.60	10.91	10.65	10.45	9.95	9.95
FAIRBANKS TERMINAL LESS NPR LESS ALASKA RAILROAD INTO FAIRBANKS												
FHO1	6.62	6.62	6.62	6.62	6.70	5.02	10.00	11.01	11.23	11.23	11.23	11.23
FHO2	5.62	5.62	5.62	5.62	5.70	4.02	9.00	9.17	9.23	9.23	9.23	9.23
NORTH POLE REFINERY LESS CRUDE COSTS @ NPR												
FHO1	50.21	53.26	52.40	50.97	48.26	44.14	38.64	38.19	38.76	38.74	40.00	NA
FHO2	45.21	48.26	47.40	45.97	43.26	39.14	33.64	33.19	33.76	33.74	35.00	NA
FAIRBANKS RETAIL LESS CRUDE COST @ NPR												
FHO1	70.41	73.56	72.34	71.27	69.06	64.44	63.04	62.59	62.96	62.54	63.70	NA
FHO2	63.41	66.66	65.74	64.27	62.26	58.24	55.44	55.49	55.86	55.64	56.40	NA

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Legend: FHO1 Fairbanks #1 heating oil  
 FHO2 Fairbanks #2 heating oil  
 np North Pole Refinery rack price  
 rtl retail

TABLE IV-I-1b

FAIRBANKS PRICE ANALYSIS AND COMPARISON, 1981, part one

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
FAIRBANKS RETAIL PRICES												
FHO1rt1	117.80	124.20	127.20	127.10	127.10	127.10	127.10	127.20	127.20	130.60	130.50	130.50
FHO2rt1	111.00	117.40	120.60	120.70	120.60	120.60	120.70	120.80	120.60	124.20	123.20	123.60
FAIRBANKS TERMINAL PRICES AVERAGE												
FHO1	105.87	111.52	114.29	115.60	115.60	115.60	115.60	115.60	115.83	118.81	119.10	119.10
FHO2	100.37	106.04	108.79	110.10	110.10	110.10	110.10	110.10	110.10	112.81	113.10	113.10
NORTH POLE REFINERY RACK PRICES												
FHO1 np	95.48	103.25	106.63	107.40	104.40	104.40	104.40	104.40	104.40	110.11	110.40	110.40
FHO2 np	90.64	98.25	101.63	102.40	102.40	102.40	102.40	102.40	102.40	105.11	105.40	105.40
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FAIRBANKS RETAIL LESS TERMINAL PRICES												
FHO1	11.93	12.68	12.91	11.50	11.50	11.50	11.50	11.60	11.37	11.79	11.40	11.40
FHO2	10.63	11.36	11.81	10.60	10.50	10.50	10.60	10.70	10.50	11.39	10.10	10.50
FAIRBANKS TERMINAL LESS NPR LESS ALASKA RAILROAD INTO FAIRBANKS												
FHO1	8.45	6.32	5.66	6.19	9.19	9.18	9.12	9.12	9.35	6.62	6.62	6.62
FHO2	7.79	5.85	5.16	5.69	5.69	5.68	5.62	5.62	5.62	5.62	5.62	5.62
NORTH POLE REFINERY LESS CRUDE COSTS @ NPR												
FHO1	35.69	31.49	35.03	36.90	37.54	38.71	38.90	40.33	42.21	47.78	48.33	48.85
FHO2	30.85	26.49	30.03	31.90	35.54	36.71	36.90	38.33	40.21	42.78	43.33	43.85
FAIRBANKS RETAIL LESS CRUDE COST @ NPR												
FHO1	58.01	52.44	55.60	56.60	60.24	61.41	61.60	63.13	65.01	68.27	68.43	68.95
FHO2	51.21	45.64	49.00	50.20	53.74	54.91	55.20	56.73	58.41	61.87	61.13	62.05
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TABLE IV-I-1c

FAIRBANKS PRICE ANALYSIS AND COMPARISON, 1980, part one

	JAN80	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC80
FAIRBANKS RETAIL PRICES												
FHO1rt1	84.20	87.00	90.70	90.90	98.20	98.30	101.90	106.80	109.80	109.80	112.80	114.30
FHO2rt1	79.10	81.70	85.10	85.10	92.70	93.00	96.30	101.00	103.30	103.50	105.60	107.30
FAIRBANKS TERMINAL PRICES AVERAGE												
FHO1	75.75	78.09	80.38	81.77	84.79	88.52	91.40	95.22	97.98	98.69	101.10	101.66
FHO2	71.37	73.72	76.00	77.39	80.42	84.15	86.78	90.60	92.89	93.50	95.60	96.16
NORTH POLE REFINERY RACK PRICES												
FHO1 np	67.98	70.28	72.15	72.15	74.86	79.15	82.60	87.50	90.50	90.50	93.50	95.50
FHO2 np	64.23	66.53	68.40	68.40	71.11	75.40	78.70	82.40	84.60	84.60	86.70	88.40
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FAIRBANKS RETAIL LESS TERMINAL PRICES												
FHO1	8.45	8.91	10.32	9.13	13.41	9.68	10.50	11.58	11.83	11.11	11.70	12.64
FHO2	7.73	7.98	9.10	7.71	12.28	8.85	9.52	10.40	10.41	10.00	10.00	11.14
FAIRBANKS TERMINAL LESS NPR LESS ALASKA RAILROAD INTO FAIRBANKS												
FHO1	6.03	6.08	6.49	7.77	8.06	7.60	6.93	5.85	5.60	6.32	5.73	4.29
FHO2	5.41	5.45	5.87	7.15	7.44	6.88	6.20	6.32	6.42	7.03	7.03	5.89
NORTH POLE REFINERY LESS CRUDE COSTS @ NPR												
FHO1	25.07	25.91	26.21	24.74	26.06	29.01	32.88	36.93	38.83	39.24	39.37	38.22
FHO2	21.32	22.16	22.46	20.99	22.31	25.26	28.98	31.83	32.93	33.34	32.57	31.12
FAIRBANKS RETAIL LESS CRUDE COST @ NPR												
FHO1	41.29	42.62	44.76	43.49	49.40	48.16	52.18	56.23	58.13	58.54	58.67	57.02
FHO2	36.19	37.32	39.16	37.69	43.90	42.86	46.58	50.43	51.63	52.24	51.47	50.02
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TABLE IV-I-2a

FAIRBANKS PRICE ANALYSIS AND COMPARISON, 1982 part two

	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
FAIRBANKS RETAIL LESS ANCHORAGE RETAIL PRICES												
F-A HO1	2.10	1.50	-1.20	-1.00	-3.30	-3.60	-5.40	-5.80	-6.00	-4.40	-4.70	-4.70
F-A HO2	0.60	0.10	-2.70	-3.10	-4.10	-4.10	-7.30	-6.80	-6.00	-3.00	-3.70	-3.60
FAIRBANKS RETAIL LESS ANCHORAGE RETAIL LESS ARR												
F-A HO1	-5.45	-6.05	-8.75	-8.55	-10.85	-11.15	-13.25	-13.70	-13.90	-12.30	-12.60	-12.60
F-A HO2	-6.95	-7.45	-10.25	-10.65	-11.85	-11.65	-15.15	-14.70	-13.90	-10.90	-11.60	-11.50
FAIRBANKS TERMINAL LESS ANCHORAGE TERMINAL PRICES												
F-A HO1	7.72	7.75	4.37	6.21	3.64	1.85	1.45	1.64	1.48	1.50	0.42	-0.55
F-A HO2	7.72	7.75	6.71	7.20	5.14	3.35	2.95	3.14	2.98	3.00	2.22	1.70
FAIRBANKS TERMINAL LESS ANCHORAGE TERMINAL PRICES LESS ARR												
F-A HO1	0.17	0.20	-3.19	-1.35	-3.91	-5.70	-6.40	-6.27	-6.42	-6.40	-7.48	-8.45
F-A HO2	0.17	0.20	-0.85	-0.35	-2.41	-4.20	-4.90	-4.77	-4.92	-4.90	-5.68	-6.20
FAIRBANKS RETAIL MARKUP LESS ANCHORAGE RETAIL MARKUP												
F-A HO1	-5.62	-6.25	-5.57	-7.21	-6.94	-5.45	-6.85	-7.44	-7.48	-5.90	-5.12	-4.15
F-A HO2	-7.12	-7.65	-9.41	-10.30	-9.24	-7.45	-10.25	-9.94	-8.98	-6.00	-5.92	-5.30
NORTH POLE REFINERY PRICE LESS "OUTSIDE" RACKS, PLATT'S												
FHO2-SE	17.70	18.00	16.11	16.75	15.03	13.13	12.43	11.52	11.52	9.98	NA	NA
FHO2-SF	19.44	20.36	18.04	19.06	16.46	14.52	12.82	12.76	13.57	12.32	NA	NA
FHO2-LA	20.81	22.33	20.20	20.42	18.09	15.74	14.05	14.74	14.15	11.15	NA	NA
FHO2-HO	15.91	19.45	20.60	21.98	17.01	12.22	11.98	13.36	13.34	8.45	NA	NA
FAIRBANKS TERMINAL PRICE LESS OUTSIDE RACK LESS GENERAL MARINE RATES LESS ARR												
FHO2-SE	7.77	8.02	6.22	6.97	5.25	3.41	2.25	1.35	1.38	-0.09	NA	NA
FHO2-SF	8.94	9.79	7.59	8.74	6.14	4.28	2.07	2.04	2.89	1.72	NA	NA
FHO2-LA	9.89	11.34	9.35	9.71	7.38	5.12	2.90	3.62	3.09	0.17	NA	NA

LEGEND F-A Fairbanks less Anchorage price  
 SE Seattle, SF San Francisco, LA Los Angeles  
 HO1 #1 heating oil, HO2 #2 heating oil

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TABLE IV-I-2b

## FAIRBANKS PRICE ANALYSIS AND COMPARISON, 1981, part two

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
FAIRBANKS RETAIL LESS ANCHORAGE RETAIL PRICES												
F-A HO1	1.30	1.40	2.40	1.90	0.30	-0.70	-1.10	-0.60	-0.60	2.40	1.30	1.70
F-A HO2	0.70	-0.60	0.30	-1.00	-1.70	-2.60	-2.80	-2.40	-2.60	1.90	-0.10	0.60
FAIRBANKS RETAIL LESS ANCHORAGE RETAIL LESS ARR												
F-A HO1	-5.70	-5.60	-4.79	-5.31	-6.91	-7.98	-8.65	-8.15	-8.15	-5.15	-6.25	-5.85
F-A HO2	-6.30	-7.60	-6.89	-8.21	-8.91	-9.88	-10.35	-9.95	-10.15	-5.65	-7.65	-6.95
FAIRBANKS TERMINAL LESS ANCHORAGE TERMINAL PRICES												
F-A HO1	6.68	7.62	7.64	8.08	6.62	6.20	5.20	5.20	5.20	7.91	9.43	7.45
F-A HO2	6.99	7.14	7.14	7.58	6.12	5.70	4.70	4.70	4.70	7.41	9.33	7.45
FAIRBANKS TERMINAL LESS ANCHORAGE TERMINAL PRICES LESS ARR												
F-A HO1	-0.32	0.62	0.45	0.87	-0.59	-1.08	-2.35	-2.35	-2.35	0.35	1.87	-0.10
F-A HO2	-0.01	0.14	-0.05	0.37	-1.09	-1.58	-2.85	-2.85	-2.85	-0.15	1.77	-0.10
FAIRBANKS RETAIL MARKUP LESS ANCHORAGE RETAIL MARKUP												
F-A HO1	-5.38	-6.22	-5.24	-6.18	-6.32	-6.90	-6.30	-5.80	-5.80	-5.51	-8.13	-5.75
F-A HO2	-6.29	-7.74	-6.84	-8.58	-7.82	-8.30	-7.50	-7.10	-7.30	-5.51	-9.43	-6.85
NORTH POLE REFINERY PRICE LESS "OUTSIDE" RACKS, PLATT'S												
FHO2-SE	16.50	17.62	15.56	15.07	14.45	14.45	11.60	15.55	14.45	17.16	17.35	17.55
FHO2-SF	19.24	21.38	18.03	17.05	16.07	15.83	15.24	15.88	15.80	18.97	19.40	19.32
FHO2-LA	20.29	21.32	16.05	16.85	16.06	16.22	16.71	16.54	16.25	19.39	20.12	20.38
FHO2-HO	8.48	6.17	6.29	7.60	7.60	10.67	12.35	12.83	12.86	16.17	16.06	15.10
FAIRBANKS TERMINAL PRICE LESS OUTSIDE RACK LESS GENERAL MARINE RATES LESS ARR												
FHO2-SE	7.01	8.00	5.79	5.29	4.73	4.72	1.67	5.69	4.62	7.43	7.53	7.81
FHO2-SF	9.15	11.14	7.64	6.65	5.74	5.51	4.74	5.47	5.43	8.72	9.04	9.05
FHO2-LA	9.83	10.59	5.28	6.07	5.36	5.54	5.80	5.73	5.49	8.76	9.37	9.73

TABLE IV-I-2c

## FAIRBANKS PRICE ANALYSIS AND COMPARISON, 1980, part two

	JAN80	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC80
FAIRBANKS RETAIL LESS ANCHORAGE RETAIL PRICES												
F-A HO1	NA	-12.30	-11.30	-12.30	-7.80	NA	-7.40	-2.50	0.50	-1.50	2.50	-0.30
F-A HO2	NA	-13.40	-13.00	-14.10	-7.80	NA	-6.80	-3.50	-1.20	-1.00	1.10	-0.70
FAIRBANKS RETAIL LESS ANCHORAGE RETAIL LESS ARR												
F-A HO1	NA	-18.47	-17.47	-18.86	-14.45	NA	-14.05	-9.15	-6.15	-8.15	-4.15	-6.95
F-A HO2	NA	-19.57	-19.17	-20.66	-14.45	NA	-13.45	-10.15	-7.85	-7.65	-5.55	-7.35
FAIRBANKS TERMINAL LESS ANCHORAGE TERMINAL PRICES												
F-A HO1	-4.31	-6.71	-4.62	-3.23	-2.26	-0.53	-2.85	0.83	4.04	3.18	4.70	4.77
F-A HO2	-4.68	-7.09	-5.00	-3.61	-2.38	-0.75	-3.22	0.46	3.46	3.50	5.45	5.52
FAIRBANKS TERMINAL LESS ANCHORAGE TERMINAL PRICES LESS ARR												
F-A HO1	-10.48	-12.88	-10.79	-9.79	-8.91	-7.19	-9.50	-5.82	-2.61	-3.47	-1.95	-1.88
F-A HO2	-10.85	-13.26	-11.17	-10.17	-9.03	-7.40	-9.88	-6.19	-3.20	-3.16	-1.20	-1.13
FAIRBANKS RETAIL MARKUP LESS ANCHORAGE RETAIL MARKUP												
F-A HO1	NA	-5.59	-6.68	-9.07	-5.54	NA	-4.55	-3.33	-3.54	-4.68	-2.20	-5.07
F-A HO2	NA	-6.31	-8.00	-10.49	-5.42	NA	-3.58	-3.96	-4.66	-4.50	-4.35	-6.22
FAIRBANKS TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S												
FHO2-SE	-5.15	NA	-5.48	-7.96	-4.93	-1.11	1.84	5.73	9.51	12.32	14.70	13.77
FHO2-SF	-8.67	NA	-6.10	-3.40	0.44	4.05	6.53	10.80	13.73	14.10	16.08	16.57
FHO2-LA	-8.67	NA	-6.10	-3.40	0.44	4.05	6.53	10.80	13.73	14.10	16.08	16.57
FHO2-HO	-6.90	NA	-2.00	-1.37	1.07	4.61	6.70	10.52	12.82	13.32	13.62	NA
FAIRBANKS TERMINAL PRICE LESS OUTSIDE RACK LESS GENERAL MARINE RATES LESS ARR												
FHO2-SE	-13.98	NA	-14.13	-16.96	-14.04	-10.19	-7.13	-3.33	0.51	3.35	5.69	4.67
FHO2-SF	-17.96	NA	-15.29	-12.93	-9.20	-5.56	-2.97	1.18	4.19	4.60	6.53	6.91
FHO2-LA	-18.41	NA	-15.72	-13.35	-9.63	-5.98	-3.39	0.74	3.76	4.17	6.09	6.45

TABLE IV-I-3a

FAIRBANKS #1 HO/DSL PRICE COMPOSITION  
cents/gallon

	CRUDE AT NPR	NPR MU	ARR TO FAI	-CTW- MU	DISTR. MU	RETAIL PRICE
JAN80	42.91	25.07	1.73	6.03	8.45	84.20
FEB	44.38	25.91	1.73	6.08	8.91	87.00
MAR	45.94	26.21	1.73	6.49	10.32	90.70
APR	47.41	24.74	1.84	7.77	9.13	90.90
MAY	48.80	26.06	1.87	8.06	13.41	98.20
JUN	50.14	29.01	1.87	7.60	9.68	98.30
JUL	49.72	32.88	1.87	6.93	10.50	101.90
AUG	50.57	36.93	1.87	5.85	11.58	106.80
SEPT	51.67	38.83	1.87	5.60	11.83	109.80
OCT	51.26	39.24	1.87	6.32	11.11	109.80
NOV	54.13	39.37	1.87	5.73	11.70	112.80
DEC80	57.28	38.22	1.87	4.29	12.64	114.30
JAN81	59.79	35.69	1.94	8.45	11.93	117.80
FEB	71.76	31.49	1.94	6.32	12.68	124.20
MAR	71.60	35.03	2.01	5.66	12.91	127.20
APR	70.50	36.90	2.01	6.19	11.50	127.10
MAY	66.86	37.54	2.01	9.19	11.50	127.10
JUN	65.69	38.71	2.02	9.19	11.50	127.10
JUL	65.50	38.90	2.08	9.12	11.50	127.10
AUG	64.07	40.33	2.08	9.12	11.60	127.20
SEPT	62.19	42.21	2.08	9.35	11.37	127.20
OCT	62.33	47.78	2.08	6.62	11.79	130.60
NOV	62.07	48.33	2.08	6.62	11.40	130.50
DEC81	61.55	48.85	2.08	6.62	11.40	130.50
JAN82	60.19	50.21	2.08	6.62	11.50	130.60
FEB	57.14	53.26	2.08	6.62	11.60	130.70
MAR	54.36	52.40	2.08	6.62	11.25	126.70
APR	54.43	50.97	2.08	6.62	11.60	125.70
MAY	54.74	48.26	2.08	6.70	12.02	123.80
JUN	58.86	44.14	2.08	5.02	13.20	123.30
JUL	58.86	38.64	2.20	10.00	12.20	121.90
AUG	59.31	38.19	2.22	11.01	11.18	121.90
SEPT	58.74	38.76	2.22	11.23	10.75	121.70
OCT	58.76	38.74	2.22	11.23	10.35	121.30
NOV	57.50	40.00	2.22	11.23	10.25	121.20
DEC82	NA	NA	2.22	11.23	10.25	121.20

Legend MU is markup  
 NPR is North Pole Refinery  
 ARR is the Alaska Railroad  
 CTW is consumer tank wagon price  
 DISTR is home distributor price

TABLE IV-I-3b

FAIREANKS #2 HO/DSL PRICE COMPONENTS  
cents/gallon

	CRUDE AT NPR	NPR MU	ARR TO FAI	CTW- MU	DISTR. MU	RETAIL PRICE
JAN80	42.91	21.32	1.73	5.41	7.73	79.10
FEB	44.38	22.16	1.73	5.45	7.98	81.70
MAR	45.94	22.46	1.73	5.87	9.10	85.10
APR	47.41	20.99	1.84	7.15	7.71	85.10
MAY	48.80	22.31	1.87	7.44	12.28	92.70
JUN	50.14	25.26	1.87	6.88	8.85	93.00
JUL	49.72	28.98	1.87	6.20	9.52	96.30
AUG	50.57	31.83	1.87	6.32	10.40	101.00
SEPT	51.67	32.93	1.87	6.42	10.41	103.30
OCT	51.26	33.34	1.87	7.03	10.00	103.50
NOV	54.13	32.57	1.87	7.03	10.00	105.60
DEC80	57.28	31.12	1.87	5.89	11.14	107.30
JAN81	59.79	30.85	1.94	7.79	10.63	111.00
FEB	71.76	26.49	1.94	5.85	11.36	117.40
MAR	71.60	30.03	2.01	5.16	11.81	120.60
APR	70.50	31.90	2.01	5.69	10.60	120.70
MAY	66.86	35.54	2.01	5.69	10.50	120.60
JUN	65.69	36.71	2.02	5.68	10.50	120.60
JUL	65.50	36.90	2.08	5.62	10.60	120.70
AUG	64.07	38.33	2.08	5.62	10.70	120.80
SEPT	62.19	40.21	2.08	5.62	10.50	120.60
OCT	62.33	42.78	2.08	5.62	11.39	124.20
NOV	62.07	43.33	2.08	5.62	10.10	123.20
DEC81	61.55	43.85	2.08	5.62	10.50	123.60
JAN82	60.19	45.21	2.08	5.62	10.50	123.60
FEB	57.14	48.26	2.08	5.62	10.70	123.80
MAR	54.36	47.40	2.08	5.62	10.65	120.10
APR	54.43	45.97	2.08	5.62	10.60	118.70
MAY	54.74	43.26	2.08	5.70	11.22	117.00
JUN	58.86	39.14	2.08	4.02	13.00	117.10
JUL	58.86	33.64	2.20	9.00	10.60	114.30
AUG	59.31	33.19	2.22	9.17	10.91	114.80
SEPT	58.74	33.76	2.22	9.23	10.65	114.60
OCT	58.76	33.74	2.22	9.23	10.45	114.40
NOV	57.50	35.00	2.22	9.23	9.95	113.90
DEC82	NA	NA	2.22	9.23	9.95	113.90

TABLE IV-I-4a

## FAIRBANKS #1 HO/DSL PRICE COMPOSITION BY COMPONENT

## % OF CRUDE PRICE

	CRUDE @ AT NPR	NPR MU	ARR TO FAI	-CTW- MU	DISTR. MU	RETAIL PRICE
JAN80	100.00	58.42	4.04	14.06	19.70	196.22
FEB	100.00	58.78	3.90	13.70	20.07	196.04
MAR	100.00	57.06	3.77	14.14	22.47	197.44
APR	100.00	52.17	3.89	16.39	19.26	191.71
MAY	100.00	53.41	3.83	16.52	27.48	201.24
JUN	100.00	57.85	3.73	15.15	19.31	196.04
JUL	100.00	66.13	3.76	13.94	21.12	204.94
AUG	100.00	73.02	3.70	11.57	22.50	211.18
SEPT	100.00	75.13	3.62	10.84	22.88	212.48
OCT	100.00	76.55	3.65	12.32	21.68	214.20
NOV	100.00	72.74	3.46	10.58	21.62	208.39
DEC80	100.00	66.72	3.27	7.48	22.07	199.54
JAN81	100.00	59.69	3.25	14.14	19.95	197.01
FEB	100.00	43.88	2.70	8.81	17.68	173.07
MAR	100.00	48.93	2.80	7.91	18.03	177.67
APR	100.00	52.34	2.85	8.78	16.31	180.28
MAY	100.00	56.15	3.01	13.75	17.20	190.11
JUN	100.00	58.93	3.08	13.97	17.51	193.48
JUL	100.00	59.39	3.17	13.92	17.56	194.05
AUG	100.00	62.94	3.25	14.24	18.10	198.53
SEPT	100.00	67.87	3.34	15.04	18.28	204.53
OCT	100.00	76.65	3.34	10.62	18.91	209.52
NOV	100.00	77.86	3.35	10.67	18.37	210.24
DEC81	100.00	79.37	3.38	10.76	18.52	212.03
JAN82	100.00	83.42	3.45	11.00	19.11	216.98
FEB	100.00	93.20	3.64	11.59	20.30	228.73
MAR	100.00	96.40	3.83	12.18	20.69	233.09
APR	100.00	93.65	3.82	12.16	21.31	230.94
MAY	100.00	88.17	3.80	12.24	21.96	226.17
JUN	100.00	75.00	3.53	8.53	22.43	209.49
JUL	100.00	65.66	3.73	17.00	20.73	207.11
AUG	100.00	64.39	3.74	18.56	18.84	205.53
SEPT	100.00	65.99	3.78	19.12	18.30	207.19
OCT	100.00	65.93	3.77	19.12	17.61	206.44
NOV	100.00	69.57	3.85	19.53	17.83	210.78
DEC82						

TABLE IV-I-4b

FAIRBANKS #2 HO/DSL PRICE COMPOSITION BY COMPONENT  
% OF CRUDE PRICE

	CRUDE @ AT NPR	NPR MU	ARR TO FAI	-CTW- MU	DISTR. MU	RETAIL PRICE
JAN80	100.00	49.68	4.04	12.60	18.01	184.33
FEB	100.00	49.93	3.90	12.29	17.98	184.10
MAR	100.00	48.90	3.77	12.78	19.81	185.25
APR	100.00	44.26	3.89	15.08	16.26	179.48
MAY	100.00	45.72	3.83	15.24	25.17	189.97
JUN	100.00	50.37	3.73	13.72	17.65	185.47
JUL	100.00	58.28	3.76	12.48	19.16	193.68
AUG	100.00	62.94	3.70	12.50	20.57	199.72
SEPT	100.00	63.72	3.62	12.42	20.14	199.90
OCT	100.00	65.04	3.65	13.72	19.50	201.91
NOV	100.00	60.18	3.46	12.99	18.47	195.09
DEC80	100.00	54.33	3.27	10.27	19.45	187.32
JAN81	100.00	51.59	3.25	13.03	17.77	185.64
FEB	100.00	36.92	2.70	8.15	15.82	163.60
MAR	100.00	41.94	2.80	7.21	16.49	168.45
APR	100.00	45.25	2.85	8.07	15.04	171.21
MAY	100.00	53.16	3.01	8.51	15.71	180.38
JUN	100.00	55.88	3.08	8.64	15.98	183.59
JUL	100.00	56.34	3.17	8.58	16.18	184.27
AUG	100.00	59.82	3.25	8.77	16.70	188.54
SEPT	100.00	64.66	3.34	9.04	16.88	193.92
OCT	100.00	68.63	3.34	9.02	18.27	199.25
NOV	100.00	69.80	3.35	9.06	16.27	198.48
DEC81	100.00	71.25	3.38	9.13	17.06	200.82
JAN82	100.00	75.11	3.45	9.34	17.44	205.35
FEB	100.00	84.45	3.64	9.84	18.73	216.65
MAR	100.00	87.20	3.83	10.34	19.58	220.95
APR	100.00	84.46	3.82	10.33	19.48	218.08
MAY	100.00	79.03	3.80	10.41	20.50	213.75
JUN	100.00	66.50	3.53	6.83	22.09	198.96
JUL	100.00	57.16	3.73	15.30	18.01	194.20
AUG	100.00	55.96	3.74	15.46	18.40	193.56
SEPT	100.00	57.48	3.78	15.72	18.13	195.10
OCT	100.00	57.42	3.77	15.71	17.78	194.63
NOV	100.00	60.87	3.86	16.06	17.30	198.09
DEC82						

TABLE IV-I-5a

FAIRBANKS #1 HO/DSL PRICE COMPOSITION BY COMPONENT  
 incremental % increase from January 1980

	CRUDE @ AT NPR	NPR MU	ARR TO FAI	-CTW- MU	DISTR. MU	RETAIL PRICE
JAN80	0.00	0.00	0.00	0.00	0.00	0.00
FEB	3.42	3.34	0.00	0.77	5.33	3.33
MAR	7.05	4.56	0.00	7.66	22.10	7.72
APR	10.49	-1.33	6.40	28.87	8.02	7.96
MAY	13.72	3.96	8.00	33.65	58.58	16.63
JUN	16.85	15.71	8.00	25.92	14.53	16.75
JUL	15.87	31.15	8.00	14.88	24.18	21.02
AUG	17.85	47.31	8.00	-3.03	36.96	28.74
SEPT	20.42	54.87	8.00	-7.10	39.86	30.40
OCT	19.45	56.53	8.00	4.73	31.42	30.40
NOV	26.14	57.05	8.00	-5.03	38.38	33.97
DEC80	33.48	52.46	8.00	-28.96	49.54	35.75
JAN81	39.34	42.36	12.00	40.14	41.05	39.90
FEB	67.23	25.62	12.00	4.81	50.02	47.51
MAR	66.84	39.74	15.74	-6.13	52.65	51.07
APR	64.29	47.19	16.00	2.62	36.02	50.95
MAY	55.80	49.76	16.00	52.36	36.02	50.95
JUN	53.08	54.41	16.80	52.13	36.02	50.95
JUL	52.64	55.17	20.00	51.21	36.02	50.95
AUG	49.31	60.87	20.00	51.21	37.20	51.07
SEPT	44.93	68.37	20.00	55.08	34.44	51.07
OCT	45.26	90.58	20.00	9.76	39.45	55.11
NOV	44.65	92.78	20.00	9.76	34.83	54.99
DEC81	43.43	94.87	20.00	9.76	34.83	54.99
JAN82	40.27	100.29	20.00	9.76	36.02	55.11
FEB	33.16	112.44	20.00	9.76	37.20	55.23
MAR	26.67	109.01	20.00	9.76	33.00	50.48
APR	26.84	103.32	20.00	9.76	37.20	49.29
MAY	27.56	92.52	20.00	11.05	42.20	47.03
JUN	37.16	76.09	20.00	-16.76	56.12	46.44
JUL	37.16	54.75	26.71	65.86	44.30	44.77
AUG	38.21	52.34	28.00	32.47	32.18	44.77
SEPT	36.88	54.62	28.00	86.22	27.13	44.54
OCT	36.93	54.54	28.00	86.22	22.42	44.06
NOV	34.00	59.56	28.00	86.22	21.23	43.94
DEC82			28.00	86.22	21.23	43.94

TABLE IV-I-5b

FAIRBANKS #2 HO/DSL PRICE COMPOSITION BY COMPONENT  
 incremental % increase from January 1980

	CRUDE @ AT NPR	NPR MU	ARR TO FAI	-CTW- MU	DISTR. MU	RETAIL PRICE
JAN80	0.00	0.00	0.00	0.00	0.00	0.00
FEB	3.42	3.93	0.00	0.86	3.24	3.29
MAR	7.05	5.36	0.00	8.55	17.70	7.59
APR	10.49	-1.57	6.40	32.21	-0.28	7.59
MAY	13.72	4.66	8.00	37.54	58.90	17.19
JUN	16.85	18.47	8.00	27.22	14.49	17.57
JUL	15.87	35.93	8.00	14.75	23.21	21.74
AUG	17.85	49.29	8.00	16.96	34.61	27.69
SEPT	20.42	54.14	8.00	18.75	34.61	30.59
OCT	19.45	56.39	8.00	30.06	29.33	30.85
NOV	26.14	52.78	8.00	30.00	29.37	33.50
DEC80	33.48	45.97	8.00	8.85	44.16	35.65
JAN81	39.34	44.70	12.00	44.11	37.46	40.33
FEB	67.23	24.26	12.00	8.21	46.90	48.42
MAR	66.84	40.86	15.74	-4.52	52.74	52.47
APR	64.29	49.63	16.00	5.24	37.13	52.59
MAY	55.80	66.72	16.00	5.24	35.84	52.47
JUN	53.08	72.19	16.80	4.98	35.84	52.47
JUL	52.64	73.09	20.00	3.96	37.13	52.59
AUG	49.31	79.79	20.00	3.96	38.42	52.72
SEPT	44.93	88.61	20.00	3.96	35.84	52.47
OCT	45.26	100.65	20.00	3.96	47.36	57.02
NOV	44.65	103.24	20.00	3.96	30.66	55.75
DEC81	43.43	105.70	20.00	3.96	35.84	56.26
JAN82	40.27	112.06	20.00	3.96	35.84	56.26
FEB	33.16	126.36	20.00	3.96	38.42	56.51
MAR	26.67	122.33	20.00	3.96	37.72	51.83
APR	26.84	115.64	20.00	3.96	37.13	50.06
MAY	27.56	102.93	20.00	5.39	45.19	47.91
JUN	37.16	83.61	20.00	-25.64	68.18	48.04
JUL	37.16	57.81	26.71	66.54	37.13	44.50
AUG	38.21	55.69	28.00	69.56	41.20	45.13
SEPT	36.88	58.36	28.00	70.75	37.78	44.88
OCT	36.93	58.27	28.00	70.75	35.19	44.63
NOV	34.00	64.17	28.00	70.75	28.72	43.91
DEC82			28.00	70.75	28.72	43.91

TABLE IV-J-1a

	ALASKA CTW POSTINGS FOR #1 OIL				
	DUTCH	BETHEL	FAI c/g	ANC	KET
JAN80	85.21	90.90	75.75	80.05	81.75
FEB	88.50	90.90	78.09	84.81	86.17
MAR	88.50	90.90	80.38	85.00	86.25
APR	88.50	96.00	81.77	85.00	86.25
MAY	91.60	96.00	84.79	87.05	88.05
JUN	95.80	96.00	88.62	89.15	90.15
JUL	97.50	96.00	91.40	94.25	94.50
AUG	99.85	104.60	95.22	94.39	95.67
SEPT	100.77	104.60	97.98	93.93	95.43
OCT	104.01	104.60	98.69	95.50	98.00
NOV	104.30	104.60	101.10	96.40	99.50
DEC80	105.27	112.60	101.66	96.88	99.98
JAN81	108.11	112.60	105.87	99.19	102.11
FEB	114.30	112.60	111.52	103.90	106.50
MAR	114.30	112.60	114.29	106.65	109.25
APR	115.05	120.10	115.60	107.53	109.63
MAY	116.80	120.10	115.60	108.98	111.08
JUN	116.80	120.10	115.60	109.40	111.50
JUL	116.80	120.10	115.60	110.40	113.00
AUG	116.80	122.60	115.60	110.40	113.00
SEPT	117.27	122.60	115.83	110.63	113.23
OCT	117.80	122.60	118.81	110.90	113.50
NOV	114.15	122.60	119.10	109.67	112.23
DEC81	118.30	124.10	119.10	111.65	114.25
JAN82	118.30	124.10	119.10	111.38	114.25
FEB	118.30	124.10	119.10	111.35	114.25
MAR	118.15	124.10	115.45	111.09	114.20
APR	104.22	120.20	114.10	107.89	110.84
MAY	98.57	120.20	111.78	108.14	110.14
JUN	103.70	120.20	110.10	108.25	110.25
JUL	109.30	120.20	109.70	108.25	110.25
AUG	110.98	121.70	110.72	109.09	111.10
SEPT	111.30	121.70	110.95	109.47	111.75
OCT	118.70	121.70	110.95	109.45	111.95
NOV	119.67	121.70	110.95	110.53	113.03
DEC82	119.80	122.20	110.95	111.50	114.00

TABLE IV-J-1b

## ALASKA AND OUTSIDE CTW POSTINGS #2 OIL

	c/g						
	DUTCH	FAI	ANC	KET	SEA	SF	LA
JAN80	81.21	71.37	76.05	77.75	76.52	80.04	80.04
FEB	84.50	73.72	80.81	82.17	NA	NA	NA
MAR	84.50	76.00	81.00	82.25	81.49	82.10	82.10
APR	84.50	77.39	81.00	82.25	85.35	80.79	80.79
MAY	87.60	80.42	82.80	83.80	85.35	79.98	79.98
JUN	91.80	84.15	84.90	85.90	85.26	80.10	80.10
JUL	93.50	86.78	90.00	90.25	84.94	80.25	80.25
AUG	95.85	90.60	90.14	91.42	84.86	79.80	79.80
SEPT	96.27	92.89	89.43	90.93	83.38	79.16	79.16
OCT	99.01	93.50	90.00	92.43	81.18	79.40	79.40
NOV	99.30	95.60	90.15	93.25	80.90	79.52	79.52
DEC80	100.27	96.16	90.63	93.73	82.39	79.59	79.59
JAN81	103.11	100.37	93.38	96.40	83.87	81.13	80.08
FEB	109.30	106.04	98.90	101.75	88.42	84.66	84.72
MAR	109.30	108.79	101.65	104.50	93.23	90.76	92.74
APR	110.05	110.10	102.53	104.88	95.03	93.05	93.25
MAY	111.80	110.10	103.98	106.33	95.65	94.03	94.04
JUN	111.80	110.10	104.40	106.75	95.65	94.27	93.88
JUL	111.80	110.10	105.40	108.25	98.50	94.86	93.39
AUG	111.80	110.10	105.40	108.25	94.55	94.22	93.56
SEPT	111.80	110.10	105.40	108.25	95.65	94.30	93.85
OCT	111.80	112.81	105.40	108.25	95.65	93.84	93.42
NOV	108.34	113.10	103.77	106.58	95.75	93.70	92.98
DEC81	112.30	113.10	105.65	108.50	95.55	93.78	92.72
JAN82	112.30	113.10	105.38	108.50	95.40	93.66	92.29
FEB	112.30	113.10	105.35	108.50	95.10	92.74	90.77
MAR	112.15	109.45	102.75	108.45	93.34	91.41	89.25
APR	103.55	108.10	100.90	105.08	91.35	89.04	87.68
MAY	102.57	105.78	100.64	104.14	90.75	89.32	87.69
JUN	103.03	104.10	100.75	104.25	90.97	89.58	88.36
JUL	103.30	103.70	100.75	104.25	91.27	90.88	89.65
AUG	103.30	103.89	100.75	104.27	92.37	91.13	89.15
SEPT	103.30	103.95	100.97	104.75	92.43	90.38	89.80
OCT	110.70	103.95	100.95	104.95	93.97	91.63	92.80
NOV	111.67	103.95	101.73	105.63	NA	NA	NA
DEC82	111.80	103.95	102.25	106.00	NA	NA	NA

Data: AK from study; outside from Platt's

TABLE IV-J-2a

ALASKA CTW POSTINGS FOR #1 OIL  
(as incremental % change from Jan'80)

	DUTCH	BETHEL	FAI	ANC	KET
JAN80	0.00	0.00	0.00	0.00	0.00
FEB	3.86	0.00	3.10	5.94	5.40
MAR	3.86	0.00	6.11	6.18	5.50
APR	3.86	5.61	7.95	6.18	5.50
MAY	7.50	5.61	11.94	8.74	7.70
JUN	12.43	5.61	16.99	11.36	10.27
JUL	14.42	5.61	20.67	17.73	15.59
AUG	17.18	15.07	25.71	17.90	17.03
SEPT	18.26	15.07	29.35	17.34	16.73
OCT	22.06	15.07	30.29	19.30	19.87
NOV	22.40	15.07	33.47	20.42	21.71
DEC80	23.54	23.87	34.21	21.02	22.30
JAN81	26.87	23.87	39.78	23.90	24.90
FEB	34.14	23.87	47.23	29.79	30.27
MAR	34.14	23.87	50.89	33.22	33.63
APR	35.02	32.12	52.62	34.31	34.09
MAY	37.07	32.12	52.62	36.13	35.87
JUN	37.07	32.12	52.62	36.66	36.38
JUL	37.07	32.12	52.62	37.91	38.22
AUG	37.07	34.87	52.62	37.91	38.22
SEPT	37.62	34.87	52.93	38.20	38.50
OCT	38.25	34.87	56.85	38.53	38.83
NOV	33.96	34.87	57.24	37.00	37.28
DEC81	38.83	36.52	57.24	39.47	39.75
JAN82	38.83	36.52	57.24	39.13	39.75
FEB	38.83	36.52	57.24	39.09	39.75
MAR	38.66	36.52	52.43	38.77	39.69
APR	22.31	32.23	50.64	34.77	35.58
MAY	15.68	32.23	47.57	35.08	34.72
JUN	21.70	32.23	45.36	35.22	34.85
JUL	28.27	32.23	44.83	35.22	34.85
AUG	30.24	33.88	46.18	36.27	35.90
SEPT	30.62	33.88	46.48	36.74	36.69
OCT	39.31	33.88	46.48	36.72	36.94
NOV	40.44	33.88	46.48	38.07	38.26
DEC82	40.59	34.43	46.48	39.28	39.44

TABLE IV-J-2b

ALASKA AND OUTSIDE CTD POSTINGS #2 OIL  
(as incremental % change from Jan'80)

	DUTCH	FAI	ANC	KET	SEA	SF	LA
JAN80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEB	4.05	3.29	6.25	5.67	NA	NA	NA
MAR	4.05	6.49	6.50	5.78	6.49	2.58	2.58
APR	4.05	8.44	6.50	5.78	11.54	0.94	0.94
MAY	7.86	12.68	8.87	7.77	11.54	-0.07	-0.07
JUN	13.04	17.91	11.63	10.48	11.42	0.07	0.07
JUL	15.13	21.59	18.34	16.07	11.00	0.26	0.26
AUG	18.03	26.94	18.51	17.58	10.90	-0.30	-0.30
SEPT	18.54	30.15	17.59	16.95	8.96	-1.10	-1.10
OCT	21.92	31.01	18.34	18.87	6.09	-0.80	-0.80
NOV	22.28	33.95	18.53	19.93	5.72	-0.65	-0.65
DEC80	23.47	34.73	19.17	20.55	7.67	-0.56	-0.56
JAN81	26.96	40.64	22.78	23.97	9.61	1.36	0.05
FEB	34.59	48.58	30.04	30.86	15.55	5.77	5.85
MAR	34.59	52.44	33.65	34.40	21.84	13.39	15.87
APR	35.51	54.27	34.80	34.88	24.19	16.25	16.50
MAY	37.67	54.27	36.72	36.75	25.00	17.48	17.49
JUN	37.67	54.27	37.27	37.29	25.00	17.78	17.29
JUL	37.67	54.27	38.58	39.22	28.72	18.52	16.68
AUG	37.67	54.27	38.58	39.22	23.56	17.72	16.89
SEPT	37.67	54.27	38.58	39.22	25.00	17.82	17.25
OCT	37.67	58.06	38.58	39.22	25.00	17.24	16.72
NOV	33.41	58.47	36.44	37.07	25.13	17.07	16.17
DEC81	38.28	58.47	38.91	39.54	24.87	17.17	15.84
JAN82	38.28	58.47	38.56	39.54	24.67	17.02	15.30
FEB	30.28	58.47	38.52	39.54	24.28	15.87	13.41
MAR	38.11	53.36	35.09	39.48	21.98	14.21	11.51
APR	27.51	51.46	32.67	35.14	19.38	11.24	9.55
MAY	26.31	48.21	32.32	33.93	18.60	11.59	9.56
JUN	26.87	45.86	32.47	34.08	18.88	11.92	10.39
JUL	27.20	45.30	32.47	34.08	19.28	13.54	12.01
AUG	27.20	45.56	32.47	34.10	20.71	13.86	11.38
SEPT	27.20	45.65	32.76	34.72	20.79	12.92	12.19
OCT	36.32	45.65	32.74	34.98	22.80	14.48	15.94
NOV	37.50	45.65	33.76	35.85	NA	NA	NA
DEC82	37.67	45.65	34.44	36.33	NA	NA	NA

TABLE IV-K-1a

## ANCHORAGE PRICE ANALYSIS AND COMPARISON, 1982

	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
ANCHORAGE RETAIL PRICE AVERAGE												
AHO1	128.50	129.20	127.90	126.70	127.10	126.90	127.30	127.70	127.70	125.70	125.90	125.90
AHO2	123.00	123.70	122.80	121.80	121.10	121.20	121.60	121.60	120.60	117.40	117.60	117.50
ANCHORAGE TERMINAL PRICE AVERAGE												
AHO1	111.38	111.35	111.09	107.80	108.14	108.25	108.25	109.09	109.47	109.45	110.53	111.50
AHO2	105.38	105.35	102.75	100.90	100.64	100.75	100.75	100.75	100.97	100.95	101.73	102.25
ANCHORAGE RETAIL LESS TERMINAL PRICES												
AHO1	17.12	17.85	16.81	18.81	18.96	18.65	19.05	18.61	18.23	16.25	15.37	14.40
AHO2	17.62	18.35	20.05	20.90	20.46	20.45	20.85	20.85	19.63	16.45	15.87	15.25
ANCHORAGE TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S												
AHO2-SE	9.98	10.25	9.41	9.55	9.89	9.78	9.48	8.38	8.54	6.98	NA	NA
AHO2-SF	11.72	12.61	11.34	11.86	11.32	11.17	9.87	9.62	10.59	9.32	NA	NA
AHO2-LA	13.09	14.53	13.50	13.22	12.95	12.39	11.10	11.60	11.17	8.15	NA	NA
AHO2-HG	8.19	11.70	13.90	14.78	11.87	8.87	9.03	10.22	10.36	5.41	NA	NA
ANCHORAGE TERMINAL PRICE AVERAGE LESS "OUTSIDE" PLATT'S LESS GENERAL MARINE RATE												
AHO2-SE	7.60	7.82	7.07	7.32	7.66	7.61	7.14	6.11	6.30	4.81	NA	NA
AHO2-SF	8.77	9.59	8.44	9.09	8.56	8.48	6.97	6.80	7.81	6.62	NA	NA
AHO2-LA	9.73	11.14	10.19	10.07	9.80	9.32	7.79	8.39	8.00	5.08	NA	NA

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TABLE IV-K-1b

## ANCHORAGE PRICE ANALYSIS AND COMPARISON, 1981

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
ANCHORAGE RETAIL PRICE AVERAGE												
AHO1	116.50	122.80	124.80	125.20	126.80	127.80	128.20	127.80	127.80	128.20	129.20	128.80
AHO2	110.30	118.00	120.30	121.70	122.30	123.20	123.50	123.20	123.20	122.30	123.30	123.00
ANCHORAGE TERMINAL PRICE AVERAGE												
AHO1	99.19	103.90	106.65	107.53	108.98	109.40	110.40	110.40	110.63	110.90	109.67	111.65
AHO2	93.38	98.90	101.65	102.53	103.98	104.40	105.40	105.40	105.40	105.40	103.77	105.65
ANCHORAGE RETAIL LESS TERMINAL PRICES												
AHO1	17.31	18.90	18.15	17.68	17.82	18.40	17.80	17.40	17.17	17.30	19.53	17.15
AHO2	16.92	19.10	18.65	19.18	18.32	18.80	18.10	17.80	17.80	16.90	19.53	17.35
ANCHORAGE TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S												
AHO2-SE	9.51	10.48	8.42	7.50	8.33	8.75	6.90	10.85	9.75	9.75	8.02	10.10
AHO2-SF	12.25	14.24	10.89	9.48	9.95	10.13	10.54	11.18	11.10	11.56	10.07	11.87
AHO2-LA	13.30	14.18	8.91	9.28	9.94	10.52	12.01	11.84	11.55	11.98	10.79	12.93
AHO2-HO	1.49	-0.97	-0.85	0.03	1.48	4.97	7.65	8.13	8.16	8.76	6.73	7.65
ANCHORAGE TERMINAL PRICE AVERAGE LESS "OUTSIDE" PLATT'S LESS GENERAL MARINE RATE												
AHO2-SE	7.02	7.86	5.84	4.92	5.81	6.30	4.52	8.55	7.48	7.57	5.76	7.91
AHO2-SF	9.16	10.99	7.69	6.28	6.83	7.09	7.59	8.32	8.28	8.86	7.27	9.16
AHO2-LA	9.84	10.55	5.34	5.71	6.45	7.12	8.66	8.59	8.34	8.91	7.60	9.84

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TABLE IV-K-1c

## ANCHORAGE PRICE ANALYSIS AND COMPARISON, 1980

	JAN80	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC80
ANCHORAGE RETAIL PRICE AVERAGE												
AHO1	NA	99.30	102.00	103.20	106.00	NA	109.30	109.30	109.30	111.30	110.30	114.60
AHO2	NA	95.10	98.10	99.20	100.50	NA	103.10	104.50	104.50	104.50	104.50	108.00
ANCHORAGE TERMINAL PRICE AVERAGE												
AHO1	80.05	84.81	85.00	85.00	87.05	89.15	94.25	94.39	93.93	95.50	96.40	96.88
AHO2	76.05	80.81	81.00	81.00	82.80	84.90	90.00	90.14	89.43	90.00	90.15	90.63
ANCHORAGE RETAIL LESS TERMINAL PRICES												
AHO1	NA	14.49	17.00	18.20	18.95	NA	15.05	14.91	15.37	15.80	13.90	17.72
AHO2	NA	14.29	17.10	18.20	17.70	NA	13.10	14.36	15.07	14.50	14.35	17.37
ANCHORAGE TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S												
AHO2-SE	-0.47	NA	-0.49	-4.35	-2.55	-0.36	5.06	5.27	6.05	8.82	9.25	8.24
AHO2-SF	-3.99	NA	-1.10	0.21	2.82	4.80	9.75	10.34	10.27	10.60	10.63	11.05
AHO2-LA	-3.99	NA	-1.10	0.21	2.82	4.80	9.75	10.34	10.27	10.60	10.63	11.05
AHO2-HO	-2.22	NA	3.00	2.24	3.45	5.36	9.92	10.06	9.36	9.82	8.17	NA
ANCHORAGE TERMINAL PRICE AVERAGE LESS "OUTSIDE" PLATT'S LESS GENERAL MARINE RATE												
AHO2-SE	-3.03	NA	-2.97	-6.79	-5.00	-2.79	2.75	2.86	3.71	6.51	6.89	5.80
AHO2-SF	-7.10	NA	-4.12	-2.76	-0.16	1.85	6.91	7.38	7.39	7.75	7.73	8.04
AHO2-LA	-7.55	NA	-4.56	-3.19	-0.59	1.42	6.49	6.93	6.96	7.33	7.30	7.59

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TABLE IV-L-1a

KETCHIKAN PRICE ANALYSIS AND COMPARISON 1982

	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
	KETCHIKAN RETAIL PRICE SUMMARY											
KHO2	125.40	125.40	125.40	122.60	121.90	121.90	121.90	122.58	122.90	122.90	122.90	122.90
	KETCHIKAN TERMINAL AVERAGE PRICE											
Kho2	108.50	108.50	108.45	105.08	104.14	104.25	104.25	104.27	104.75	104.95	105.63	106.00
	KETCHIKAN RETAIL LESS TERMINAL PRICE											
KHO2	16.90	16.90	16.95	17.52	17.76	17.65	17.65	18.31	18.15	17.95	17.27	16.90
	KETCHIKAN RETAIL LESS ANCHORAGE RETAIL PRICE											
2K-A	2.40	1.70	2.60	0.80	0.80	0.70	0.30	0.98	2.30	5.50	5.30	5.40
	KETCHIKAN TERMINAL PRICE LESS ANCHORAGE TERMINAL PRICE											
2K-A	3.12	3.15	5.71	4.18	3.50	3.50	3.50	3.52	3.78	4.00	3.90	3.75
	KETCHIKAN TERMINAL PRICE LESS NIKISKI TERMINAL PRICE LESS MARINE BETWEEN											
H02	0.25	0.28	2.83	1.30	0.63	0.63	0.63	0.64	0.91	1.13	1.03	0.88
	KETCHIKAN RETAILER MARKUP LESS ANCHORAGE RETAILER MARKUP											
H02	-0.72	-1.45	-3.11	-3.38	-2.70	-2.80	-3.20	-2.54	-1.48	1.50	1.40	1.65
	KETCHIKAN TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S											
KHO2-SE	13.10	13.40	15.11	13.73	13.39	13.28	12.98	11.90	12.32	10.98	NA	NA
KHO2-SF	14.84	15.76	17.04	16.04	14.82	14.67	13.37	13.14	14.37	13.32	NA	NA
KHO2-LA	16.21	17.73	19.20	17.40	16.45	15.89	14.60	15.12	14.95	12.15	NA	NA
	KETCHIKAN TERMINAL PRICE AVERAGE LESS "OUTSIDE" PLATT'S LESS GENERAL MARINE RATES											
KHO2-SE	11.97	12.27	13.98	12.59	12.26	12.15	11.85	10.76	11.19	9.85	NA	NA
KHO2-SF	13.17	14.09	15.37	14.36	13.14	13.00	11.70	11.46	12.70	11.65	NA	NA
KHO2-LA	14.27	15.79	17.26	15.45	14.50	13.95	12.66	13.17	13.01	10.21	NA	NA

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TABLE IV-L-1b

## KETCHIKAN PRICE ANALYSIS AND COMPARISON 1981

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
	KETCHIKAN RETAIL PRICE SUMMARY											
KHO2	121.40	121.40	122.15	124.06	124.90	124.90	124.90	124.90	124.90	124.90	125.32	125.40
	KETCHIKAN TERMINAL AVERAGE PRICE											
Kho2	96.40	101.75	104.50	104.88	106.33	106.75	108.25	108.25	108.25	108.25	106.58	108.50
	KETCHIKAN RETAIL LESS TERMINAL PRICE											
KHO2	25.00	19.65	17.65	19.19	18.57	18.15	16.65	16.65	16.65	16.65	18.74	16.90
	KETCHIKAN RETAIL LESS ANCHORAGE RETAIL PRICE											
2K-A	11.10	3.40	1.85	2.36	2.60	1.70	1.40	1.70	1.70	2.60	2.02	2.40
	KETCHIKAN TERMINAL PRICE LESS ANCHORAGE TERMINAL PRICE											
2K-A	3.01	2.85	2.85	2.35	2.35	2.35	2.85	2.85	2.85	2.85	2.81	2.85
	KETCHIKAN TERMINAL PRICE LESS NIKISKI TERMINAL PRICE LESS MARINE BETWEEN											
HO2	0.27	0.10	0.10	-0.40	-0.40	-0.40	0.10	0.10	0.10	0.10	0.06	0.10
	KETCHIKAN RETAILER MARKUP LESS ANCHORAGE RETAILER MARKUP											
HO2	8.09	0.55	-1.00	0.01	0.25	-0.65	-1.45	-1.15	-1.15	-0.25	-0.79	-0.45
	KETCHIKAN TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S											
KHO2-SE	12.53	13.33	11.27	9.85	10.68	11.10	9.75	13.70	12.60	12.60	10.83	12.95
KHO2-SF	15.27	17.09	13.74	11.83	12.30	12.43	13.30	14.03	13.95	14.41	12.88	14.72
KHO2-LA	16.32	17.03	11.76	11.63	12.29	12.87	14.86	14.69	14.40	14.83	13.60	15.78
	KETCHIKAN TERMINAL PRICE AVERAGE LESS "OUTSIDE" PLATT'S LESS GENERAL MARINE RATES											
KHO2-SE	11.48	12.29	10.23	8.80	9.64	10.06	8.71	12.66	11.56	11.56	9.79	11.91
KHO2-SF	13.74	15.56	12.21	10.30	10.77	10.95	11.86	12.50	12.42	12.88	11.35	13.19
KHO2-LA	14.54	15.26	9.99	9.85	10.52	11.10	13.09	12.92	12.63	13.06	11.83	14.01

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TABLE IV-L-1c

## KETCHIKAN PRICE ANALYSIS AND COMPARISON 1980

	JAN80	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC80
	KETCHIKAN RETAIL PRICE SUMMARY											
KHO2	91.93	95.43	95.60	98.50	101.60	105.80	107.50	106.65	109.89	110.61	110.90	112.50
	KETCHIKAN TERMINAL AVERAGE PRICE											
Kho2	77.75	82.17	82.25	82.25	83.80	85.90	90.25	91.42	90.93	92.43	93.25	93.73
	KETCHIKAN RETAIL LESS TERMINAL PRICE											
KHO2	14.18	13.27	13.35	16.25	17.80	19.90	17.25	15.22	18.96	18.18	17.65	18.76
	KETCHIKAN RETAIL LESS ANCHORAGE RETAIL PRICE											
2K-A	NA	0.33	-2.50	-0.70	1.10	NA	4.40	2.15	5.39	6.11	6.40	4.50
	KETCHIKAN TERMINAL PRICE LESS ANCHORAGE TERMINAL PRICE											
2K-A	1.70	1.36	1.25	1.25	1.00	1.00	0.25	1.29	1.50	2.42	3.10	3.10
	KETCHIKAN TERMINAL PRICE LESS NIKISKI TERMINAL PRICE LESS MARINE BETWEEN											
HO2	-1.01	-1.35	-1.46	-1.46	-1.71	-1.71	-2.46	-1.42	-1.21	-0.29	0.39	0.39
	KETCHIKAN RETAILER MARKUP LESS ANCHORAGE RETAILER MARKUP											
HO2	NA	-1.03	-3.75	-1.95	0.10	NA	4.15	0.86	3.89	3.69	3.30	1.40
	KETCHIKAN TERMINAL PRICE AVERAGE LESS "OUTSIDE" RACK PRICE, PLATT'S											
KHO2--SE	1.23	NA	0.76	-3.10	-1.55	0.64	5.31	6.56	7.55	11.25	12.35	11.34
KHO2--SF	-2.29	NA	0.15	1.46	3.82	5.80	10.00	11.63	11.77	13.03	13.73	14.15
KHO2--LA	-2.29	NA	0.15	1.46	3.82	5.80	10.00	11.63	11.77	13.03	13.73	14.15
	KETCHIKAN TERMINAL PRICE AVERAGE LESS "OUTSIDE" PLATT'S LESS GENERAL MARINE RATES											
KHO2--SE	0.23	NA	-0.24	-4.10	-2.56	-0.36	4.31	5.56	6.55	10.24	11.35	10.34
KHO2--SF	-3.76	NA	-1.33	-0.02	2.34	4.32	8.52	10.15	10.30	11.55	12.25	12.67
KHO2--LA	-4.01	NA	-1.58	-0.27	2.09	4.07	8.27	9.90	10.04	11.30	12.00	12.42

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LEGEND

TABLES IV-M-1a/c

F	Fairbanks
RL	Regular leaded grade motor gasoline
RU	Regular unleaded grade motor gasoline
SL	Premium (super) leaded grade motor gasoline
fs	full service station average price
ss	self service station average price
ctw	consumer tank wagon, a wholesaler's posted price
mu	markup that amount added to purchase cost of either crude oil (by NPR) or product (by wholesaler or distributor) to give selling price.

TABLE IV-M-1a  
FAIRBANKS GASOLINE ANALYSIS AND COMPARISON WITH ANCHORAGE 1982

	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
FAIRBANKS RETAIL DATA FROM FNSB COMMUNITY RESEARCH CENTER												
F RL fs	157.00	157.20	156.40	153.50	153.70	154.50	156.30	157.00	157.00	156.80	157.20	157.70
F RU fs	162.00	162.50	162.00	158.80	159.10	160.00	161.60	162.20	162.20	162.10	162.20	162.70
F SL fs	168.40	168.80	167.90	165.60	166.50	167.40	168.40	169.00	169.00	168.70	168.70	NA
F RL ss	148.20	147.90	147.20	144.40	143.60	144.90	147.50	147.90	148.10	147.70	147.40	147.20
F RU ss	155.30	155.00	154.10	151.20	150.70	151.80	154.10	154.50	154.60	154.40	154.20	154.00
F SL ss	163.40	163.70	163.50	160.60	160.20	161.00	163.70	164.10	164.40	164.10	163.50	NA
FAIRBANKS TERMINAL PRICES, AVERAGE CONSUMER TANK WAGON (CTW)												
F RLctw	120.15	119.36	117.62	113.77	115.02	116.47	118.55	119.34	119.50	119.43	119.00	117.62
F RUctw	124.65	123.86	122.12	118.27	119.52	120.97	123.05	123.50	123.50	123.43	123.00	121.88
FULL SERVICE STATION DISTRIBUTOR MARKUP, 12 cents/gal F/S tax excluded												
F RL mu	24.85	25.84	26.78	27.73	26.68	26.03	25.75	25.66	25.50	25.37	26.20	28.08
F RU mu	25.35	26.64	27.88	28.53	27.58	27.03	26.55	26.70	26.70	26.67	27.20	28.82
Fave mu	25.10	26.24	27.33	28.13	27.13	26.53	26.15	26.18	26.10	26.02	26.70	28.45
SELF SERVICE STATION DISTRIBUTOR MARKUP, 12 cents/gal F/S tax excluded												
F RL mu	16.05	16.54	17.58	18.63	16.58	16.43	16.95	16.56	16.60	16.27	16.40	17.58
F RU mu	18.65	19.14	19.98	20.93	19.18	18.83	19.05	19.00	19.10	18.97	19.20	20.12
Fave mu	17.35	17.84	18.78	19.78	17.88	17.63	18.00	17.78	17.85	17.62	17.80	18.85
FAIRBANKS RETAIL PRICE LESS ANCHORAGE RETAIL PRICE												
RL ss	17.56	17.49	18.17	18.53	21.33	21.87	22.53	22.64	22.76	22.64	23.28	24.31
RU ss	15.30	15.52	16.17	15.92	18.60	18.79	19.42	19.42	19.53	19.40	19.93	20.70
FAIRBANKS TERMINAL (CTW) PRICE LESS ANCHORAGE CTW PRICE												
RLctw	7.89	6.88	7.10	10.50	11.60	11.60	11.60	11.60	11.89	12.03	11.80	12.34
RUctw	7.89	6.88	7.10	10.86	12.10	12.10	12.10	11.76	11.89	12.03	11.80	12.60
FAIRBANKS CTW PRICE LESS ANCHORAGE CTW PRICE LESS ARR TARIFF												
RLctw	1.12	0.11	0.33	3.73	4.83	4.83	4.57	4.52	4.81	4.95	4.72	5.26
RUctw	1.12	0.11	0.33	4.09	5.33	5.33	5.07	4.68	4.81	4.95	4.72	5.52

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TABLE IV-M-1b  
FAIRBANKS GASOLINE ANALYSIS AND COMPARISON WITH ANCHORAGE 1981

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
FAIRBANKS RETAIL DATA FROM FNSB COMMUNITY RESEARCH CENTER												
F RL fs	145.50	NA 157.00	NA 158.20	NA 155.70	155.70	156.30	156.30	156.50	156.80			
F RU fs	150.00	NA 161.80	NA 163.00	NA 160.60	160.90	161.20	161.40	161.40	161.90			
F SL fs	154.90	NA 166.40	NA 168.60	NA 167.90	168.00	168.00	168.00	168.00	168.30			
F RL ss	134.40	NA 145.80	NA 148.30	NA 148.70	148.00	147.90	148.00	147.80	148.20			
F RU ss	141.00	NA 152.40	NA 155.20	NA 155.50	155.30	155.00	155.10	154.90	155.40			
F SL ss	147.90	NA 158.70	NA 161.80	NA 162.70	162.60	162.60	163.40	164.00	163.70			
FAIRBANKS TERMINAL PRICES, AVERAGE CONSUMER TANK WAGON (CTW)												
F RLctw	108.83	112.69	116.65	117.25	118.50	118.98	119.65	120.15	120.15	120.15	120.15	120.15
F RUctw	111.53	117.89	121.65	122.45	123.70	124.07	124.15	124.65	124.65	124.65	124.65	124.65
FULL SERVICE STATION DISTRIBUTOR MARKUP, 12 cents/gal F/S tax excluded												
F RL mu	24.67	NA 28.35	NA 27.70	NA 24.05	23.55	24.15	24.15	24.35	24.65			
F RU mu	26.47	NA 27.95	NA 27.30	NA 24.45	24.25	24.55	24.75	24.75	25.25			
Fave mu	25.57	NA 28.15	NA 27.50	NA 24.25	23.90	24.35	24.45	24.55	24.95			
SELF SERVICE STATION DISTRIBUTOR MARKUP, 12 cents/gal F/S tax excluded												
F RL mu	13.57	NA 17.15	NA 17.80	NA 17.05	15.85	15.75	15.85	15.65	16.05			
F RU mu	17.47	NA 18.55	NA 19.50	NA 19.35	18.65	18.35	18.45	18.25	18.75			
Fave mu	15.52	NA 17.85	NA 18.65	NA 18.20	17.25	17.05	17.15	16.95	17.40			
FAIRBANKS RETAIL PRICE LESS ANCHORAGE RETAIL PRICE												
RL ss	NA	NA	NA	NA	NA	NA	NA	NA	12.93	13.54	13.96	16.77
RU ss	NA	NA	NA	NA	NA	NA	NA	NA	10.05	11.44	12.16	15.48
FAIRBANKS TERMINAL (CTW) PRICE LESS ANCHORAGE CTW PRICE												
RLctw	5.90	5.90	5.90	5.90	5.87	5.65	5.65	5.65	5.65	5.65	5.65	5.65
RUctw	5.66	5.90	5.90	5.90	5.87	5.65	5.65	5.65	5.65	5.65	5.65	5.65
FAIRBANKS CTW PRICE LESS ANCHORAGE CTW PRICE LESS ARR TARIFF												
RLctw	-0.37	-0.37	-0.55	-0.56	-0.59	-0.87	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12
RUctw	-0.61	-0.37	-0.55	-0.56	-0.59	-0.87	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12

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TABLE IV-M-1c  
FAIRBANKS GASOLINE ANALYSIS AND COMPARISON WITH ANCHORAGE 1980

	J. 1980	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC80
FAIRBANKS RETAIL DATA FROM FNSB COMMUNITY RESEARCH CENTER												
F RL fs	NA	132.90	NA	NA	137.00	NA	NA	143.80	NA	NA	144.80	NA
F RU fs	NA	135.80	NA	NA	140.60	NA	NA	147.30	NA	NA	149.00	NA
F SL fs	NA	139.10	NA	NA	144.50	NA	NA	151.20	NA	NA	152.90	NA
F RL ss	NA	127.20	NA	NA	131.40	NA	NA	136.90	NA	NA	136.50	NA
F RU ss	NA	130.00	NA	NA	135.10	NA	NA	140.90	NA	NA	141.60	NA
F SL ss	NA	133.40	NA	NA	138.60	NA	NA	145.20	NA	NA	146.00	NA

FAIRBANKS TERMINAL PRICES, AVERAGE CONSUMER TANK WAGON (CTW)												
F RLctw	85.82	91.68	92.40	92.40	94.46	97.70	99.85	101.40	100.53	102.11	103.07	104.35
F RUctw	89.25	94.34	94.70	94.70	97.73	101.35	103.93	104.70	105.48	107.38	108.53	109.18

FULL SERVICE STATION DISTRIBUTOR MARKUP, 12 cents/gal F/S tax excluded												
F RL mu	NA	29.22	NA	NA	30.54	NA	NA	30.40	NA	NA	29.73	NA
F RU mu	NA	29.46	NA	NA	30.87	NA	NA	30.60	NA	NA	28.47	NA
Fave mu	NA	29.34	NA	NA	30.70	NA	NA	30.50	NA	NA	29.10	NA

SELF SERVICE STATION DISTRIBUTOR MARKUP, 12 cents/gal F/S tax excluded												
F RL mu	NA	23.52	NA	NA	24.94	NA	NA	23.50	NA	NA	21.43	NA
F RU mu	NA	23.66	NA	NA	25.37	NA	NA	24.20	NA	NA	21.07	NA
Fave mu	NA	23.59	NA	NA	25.15	NA	NA	23.85	NA	NA	21.25	NA

FAIRBANKS RETAIL PRICE LESS ANCHORAGE RETAIL PRICE												
RL ss	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RU ss	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

FAIRBANKS TERMINAL (CTW) PRICE LESS ANCHORAGE CTW PRICE												
RLctw	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
RUctw	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90

FAIRBANKS CTW PRICE LESS ANCHORAGE CTW PRICE LESS ARR TARIFF												
RLctw	0.37	0.37	0.37	0.03	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
RUctw	0.37	0.37	0.37	0.03	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06

TABLE IV-N-1a  
REGULAR LEADED RETAIL PRICES  
SELF-SERVICE

	FAI	ANC	SEA	SF	LA
JAN80	NA	NA	107.88	116.73	116.85
FEB	127.20	NA	115.71	122.54	122.94
MAR	NA	NA	119.74	125.23	125.79
APR	NA	NA	121.49	124.97	124.87
MAY	131.40	NA	121.07	124.93	124.04
JUN	NA	NA	120.74	124.56	123.00
JUL	NA	NA	120.46	123.96	122.11
AUG	136.90	NA	120.08	123.96	122.11
SEPT	NA	NA	119.88	122.33	120.19
OCT	NA	NA	118.52	122.33	120.19
NOV	136.50	NA	117.72	121.17	119.19
DEC80	NA	NA	117.66	121.13	119.03
JAN81	134.40	NA	119.34	123.76	121.90
FEB	NA	NA	125.98	131.54	130.01
MAR	145.80	NA	129.52	133.22	132.00
APR	NA	NA	129.65	133.32	132.00
MAY	148.30	NA	130.12	134.10	132.70
JUN	NA	NA	130.97	134.90	133.18
JUL	148.70	NA	133.10	135.48	133.64
AUG	148.00	NA	133.15	135.34	133.50
SEPT	147.90	134.97	132.79	134.86	132.84
OCT	148.00	134.46	132.79	134.86	132.84
NOV	147.80	133.84	130.92	133.20	130.92
DEC81	148.20	131.43	129.78	132.08	129.73
JAN82	148.20	130.64	126.30	130.06	127.25
FEB	147.90	130.41	121.52	125.49	122.61
MAR	147.20	129.03	116.28	119.57	117.71
APR	144.40	125.87	113.80	117.07	115.28
MAY	143.60	122.27	113.99	116.96	115.27
JUN	144.90	123.03	118.57	123.02	120.61
JUL	147.50	124.97	122.90	129.39	126.50
AUG	147.90	125.26	122.82	129.35	126.75
SEPT	148.10	125.34	120.61	127.55	124.17
OCT	147.70	125.06	116.95	125.00	120.75
NOV	147.40	124.12	112.93	120.85	116.42
DEC82	147.20	122.89	109.27	114.91	110.83

Data sources:

FAI Fairbanks North Star Borough Community Research Center  
ANC, SEA, SF and LA Lundberg Letter

TABLE IV-N-1b  
REGULAR UNLEADED RETAIL PRICES  
SELF SERVICE

	FAI	ANC	SEA	SF	LA
JAN80	NA	NA	112.39	121.28	121.21
FEB	130.00	NA	119.89	127.16	127.44
MAR	NA	NA	123.97	129.87	130.25
APR	NA	NA	125.81	129.99	129.92
MAY	135.10	NA	125.12	129.99	128.97
JUN	NA	NA	125.01	129.77	128.37
JUL	NA	NA	125.40	129.74	128.00
AUG	140.90	NA	125.62	129.74	128.00
SEPT	NA	NA	125.70	120.19	126.80
OCT	NA	NA	124.95	128.87	126.80
NOV	141.60	NA	124.71	128.70	126.80
DEC80	NA	NA	124.42	128.86	126.21
JAN81	141.00	NA	125.90	131.39	129.04
FEB	NA	NA	132.53	139.34	137.10
MAR	152.40	NA	136.48	141.21	139.13
APR	NA	NA	137.01	141.59	139.49
MAY	155.20	NA	137.59	142.41	140.14
JUN	NA	NA	138.59	143.17	140.55
JUL	155.50	NA	140.52	143.76	140.96
AUG	155.30	NA	140.57	143.45	140.77
SEPT	155.00	144.95	140.41	142.87	140.01
OCT	155.10	143.66	140.41	142.87	140.01
NOV	154.90	142.74	139.07	141.09	137.69
DEC81	155.40	139.92	138.04	139.68	136.27
JAN82	155.30	140.00	134.58	137.53	133.47
FEB	155.00	139.48	130.07	133.06	128.79
MAR	154.10	137.93	124.40	127.28	123.49
APR	151.20	135.28	121.47	124.57	121.08
MAY	150.70	132.10	121.28	124.42	121.27
JUN	151.80	133.01	125.55	130.57	126.99
JUL	154.10	134.68	129.87	136.97	133.17
AUG	154.50	135.08	129.96	137.10	133.60
SEPT	154.60	135.07	127.83	135.37	130.96
OCT	154.40	135.00	124.24	132.81	127.39
NOV	154.20	134.27	120.46	129.08	123.27
DEC82	154.00	133.30	117.10	123.66	118.16

Data sources:

FAI Fairbanks North Star Borough Community Research Center  
ANC, SEA, SF and LA Lundberg Letter

TABLE IV-N-1c  
 REGULAR LEADED RETAIL PRICES LESS STATE TAXES  
 self-service

	FAI	ANC	SEA	SF	LA
JAN80	NA	NA	91.88	99.12	99.24
FEB	115.20	NA	99.71	104.60	104.98
MAR	NA	NA	103.74	107.14	107.67
APR	NA	NA	105.49	106.90	106.80
MAY	119.40	NA	105.07	106.86	106.02
JUN	NA	NA	104.74	106.51	105.04
JUL	NA	NA	104.46	105.94	104.20
AUG	124.90	NA	104.08	105.94	104.20
SEPT	NA	NA	103.88	104.41	102.39
OCT	NA	NA	102.52	104.41	102.39
NOV	124.50	NA	101.72	103.31	101.44
DEC80	NA	NA	101.66	103.27	101.29
JAN81	122.40	NA	103.34	105.75	104.00
FEB	NA	NA	109.98	113.09	111.65
MAR	133.80	NA	113.52	114.68	113.53
APR	NA	NA	113.65	114.77	113.53
MAY	136.30	NA	114.12	115.51	114.19
JUN	NA	NA	114.97	116.26	114.64
JUL	136.70	NA	115.60	116.81	115.08
AUG	136.00	NA	115.65	116.68	114.94
SEPT	135.90	122.97	115.29	116.23	114.32
OCT	136.00	122.46	115.29	116.23	114.32
NOV	135.80	121.84	113.42	114.66	112.51
DEC81	136.20	119.43	112.28	113.60	111.39
JAN82	136.20	118.64	110.30	111.70	109.05
FEB	135.90	118.41	105.52	107.39	104.67
MAR	135.20	117.03	100.28	101.80	100.05
APR	132.40	113.87	97.80	99.44	97.76
MAY	131.60	110.27	97.99	99.34	97.75
JUN	132.90	111.03	102.57	105.06	102.78
JUL	135.50	112.97	106.90	111.06	108.34
AUG	135.90	113.26	106.82	111.02	108.57
SEPT	136.10	113.34	104.61	109.33	106.14
OCT	135.70	113.06	100.95	106.92	102.92
NOV	135.40	112.12	96.93	103.01	98.83
DEC82	135.20	110.89	93.27	97.41	93.56

TABLE IV-N-1d  
 REGULAR LEADED RETAIL PRICES LESS STATE TAXES  
 self-service

	FAI	ANC	SEA	SF	LA
JAN80	NA	NA	96.39	103.42	103.35
FEB	118.00	NA	103.89	108.96	109.23
MAR	NA	NA	107.97	111.52	111.88
APR	NA	NA	109.81	111.63	111.57
MAY	123.10	NA	109.12	111.63	110.67
JUN	NA	NA	109.01	111.42	110.10
JUL	NA	NA	109.40	111.40	109.75
AUG	128.90	NA	109.62	111.40	109.75
SEPT	NA	NA	109.70	102.39	108.62
OCT	NA	NA	108.95	110.58	108.62
NOV	129.60	NA	108.71	110.42	108.62
DEC80	NA	NA	108.42	110.57	108.07
JAN81	129.00	NA	109.90	112.95	110.74
FEB	NA	NA	116.53	120.45	118.34
MAR	140.40	NA	120.48	122.22	120.25
APR	NA	NA	121.01	122.58	120.59
MAY	143.20	NA	121.59	123.35	121.21
JUN	NA	NA	122.59	124.07	121.59
JUL	143.50	NA	123.02	124.62	121.98
AUG	143.30	NA	123.07	124.33	121.80
SEPT	143.00	132.95	122.91	123.78	121.08
OCT	143.10	131.66	122.91	123.78	121.08
NOV	142.90	130.74	121.57	122.10	118.90
DEC81	143.40	127.92	120.54	120.77	117.56
JAN82	143.30	128.00	118.58	118.75	114.92
FEB	143.00	127.48	114.07	114.53	110.50
MAR	142.10	125.93	108.40	109.08	105.50
APR	139.20	123.28	105.47	106.51	103.22
MAY	138.70	120.10	105.28	106.38	103.41
JUN	139.80	121.01	109.55	112.18	108.80
JUL	142.10	122.68	113.87	118.22	114.63
AUG	142.50	123.08	113.86	118.34	115.04
SEPT	142.60	123.07	111.83	116.71	112.54
OCT	142.40	123.00	108.24	114.29	109.18
NOV	142.20	122.27	104.46	110.77	105.29
DEC82	142.00	121.30	101.10	105.66	100.47

TABLE IV-N-2a  
 REGULAR LEADED MOGAS PRICE LESS "OTHER" CITY LESS TRANS. COSTS  
 -----RETAIL-SS-----

	Fairbanks with.....				Anchorage with.....		
	Anc	Sea	SF	LA	Sea	SF	LA
JAN80	NA	NA	NA	NA	NA	NA	NA
FEB	NA	3.50	-3.87	-4.70	NA	NA	NA
MAR	NA	NA	NA	NA	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	2.19	-2.15	-1.64	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	NA	NA	NA	NA	NA	NA
AUG	NA	8.71	4.34	5.80	NA	NA	NA
SEPT	NA	NA	NA	NA	NA	NA	NA
OCT	NA	NA	NA	NA	NA	NA	NA
NOV	NA	10.72	6.79	8.38	NA	NA	NA
DEC80	NA	NA	NA	NA	NA	NA	NA
JAN81	NA	6.57	1.61	3.15	NA	NA	NA
FEB	NA	NA	NA	NA	NA	NA	NA
MAR	NA	7.54	3.29	4.17	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	9.48	4.96	6.04	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	6.72	3.83	5.31	NA	NA	NA
AUG	NA	6.03	3.35	4.84	NA	NA	NA
SEPT	6.16	6.32	3.76	5.43	0.15	-2.40	-0.73
OCT	6.77	6.50	3.97	5.66	-0.27	-2.81	-1.12
NOV	7.19	8.10	5.34	7.27	0.91	-1.86	0.08
DEC81	10.00	9.70	6.93	8.95	-0.30	-3.07	-1.05
JAN82	10.79	13.02	8.75	11.19	2.23	-2.04	0.40
FEB	10.72	17.45	12.96	15.46	6.73	2.24	4.74
MAR	11.40	22.07	18.28	19.78	10.67	6.88	8.38
APR	11.76	21.85	18.10	19.54	10.09	6.34	7.78
MAY	14.56	20.86	17.42	18.75	6.30	1.86	4.19
JUN	15.10	17.63	12.72	14.79	2.53	-2.39	-0.31
JUL	15.50	15.49	8.50	11.03	-0.01	-6.99	-4.47
AUG	15.56	15.98	8.97	11.21	0.42	-6.59	-4.35
SEPT	15.68	18.42	11.00	14.04	2.75	-4.68	-1.64
OCT	15.56	21.74	13.22	17.13	6.17	-2.34	1.57
NOV	16.20	25.37	16.96	21.04	9.17	0.76	4.85
DEC82	17.23	28.83	22.70	26.43	11.60	5.47	9.20

TABLE IV-N-2b

SS REGULAR LEADED RETAIL PRICE COMPARISON CORRECTED FOR TAXES  
 (Alaska city less other city less transportation to Alaska)

	Fairbanks against.....				Anchorage against.....		
	Anc	Sea	SF	LA	Sea	SF	LA
JAN80	NA	NA	NA	NA	NA	NA	NA
FEB	NA	7.50	2.07	1.26	NA	NA	NA
MAR	NA	NA	NA	NA	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	6.19	3.93	4.38	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	NA	NA	NA	NA	NA	NA
AUG	NA	12.71	10.36	11.71	NA	NA	NA
SEPT	NA	NA	NA	NA	NA	NA	NA
OCT	NA	NA	NA	NA	NA	NA	NA
NOV	NA	14.72	12.65	14.13	NA	NA	NA
DEC80	NA	NA	NA	NA	NA	NA	NA
JAN81	NA	10.57	7.62	9.05	NA	NA	NA
FEB	NA	NA	NA	NA	NA	NA	NA
MAR	NA	11.54	9.83	10.64	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	13.48	11.55	12.55	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	12.22	10.50	11.87	NA	NA	NA
AUG	NA	11.53	10.01	11.39	NA	NA	NA
SEPT	6.16	11.82	10.40	11.95	5.65	4.23	5.79
OCT	6.77	12.00	10.50	12.18	5.23	3.83	5.40
NOV	7.19	13.60	11.88	13.68	6.41	4.68	6.49
DEC81	10.00	15.20	13.41	15.29	5.20	3.41	5.29
JAN82	10.79	17.02	15.11	17.39	6.23	4.32	6.60
FEB	10.72	21.45	19.06	21.40	10.73	8.34	10.68
MAR	11.40	26.07	24.05	25.44	14.67	12.65	14.04
APR	11.76	25.85	23.73	25.07	14.09	11.97	13.31
MAY	14.56	24.86	23.04	24.28	10.30	8.48	9.72
JUN	15.10	21.63	18.68	20.62	6.53	3.58	5.52
JUL	15.50	19.49	14.83	17.19	3.99	-0.67	1.70
AUG	15.56	19.98	15.29	17.39	4.42	-0.27	1.83
SEPT	15.68	22.42	17.22	20.07	6.75	1.54	4.39
OCT	15.56	25.74	19.30	22.97	10.17	3.73	7.40
NOV	16.20	29.37	22.80	26.63	13.17	6.60	10.44
DEC82	17.23	32.83	28.20	31.70	15.60	10.98	14.48

TABLE IV-N-2c

REGULAR UNLEADED MOGAS PRICE LESS "OTHER" CITY LESS TRANS. COSTS  
 -----RETAIL-SS-----

	Fairbanks with.....				Anchorage with.....		
	Anc	Sea	SF	LA	Sea	SF	LA
JAN80	NA	NA	NA	NA	NA	NA	NA
FEB	NA	2.12	-5.69	-6.40	NA	NA	NA
MAR	NA	NA	NA	NA	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	1.84	-3.51	-2.87	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	NA	NA	NA	NA	NA	NA
AUG	NA	7.17	2.56	3.91	NA	NA	NA
SEPT	NA	NA	NA	NA	NA	NA	NA
OCT	NA	NA	NA	NA	NA	NA	NA
NOV	NA	8.83	4.36	5.87	NA	NA	NA
DEC80	NA	NA	NA	NA	NA	NA	NA
JAN81	NA	6.61	0.58	2.61	NA	NA	NA
FEB	NA	NA	NA	NA	NA	NA	NA
MAR	NA	7.18	1.90	3.64	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	8.91	3.55	5.50	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	6.10	2.35	4.79	NA	NA	NA
AUG	NA	5.91	2.54	4.87	NA	NA	NA
SEPT	3.28	5.80	2.85	5.36	2.52	-0.43	2.09
OCT	4.67	5.98	3.06	5.59	1.31	-1.61	0.92
NOV	5.39	7.05	4.55	7.60	1.66	-0.85	2.21
DEC81	8.71	8.64	6.53	9.61	-0.07	-2.18	0.90
JAN82	8.53	11.84	8.38	12.07	3.31	-0.15	3.54
FEB	8.75	16.00	12.40	16.38	7.25	3.74	7.63
MAR	9.40	20.85	17.47	20.90	11.45	8.07	11.50
APR	9.15	20.98	17.40	20.55	11.83	8.25	11.40
MAY	11.84	20.67	17.05	19.85	8.83	5.22	8.02
JUN	12.03	17.55	12.06	15.31	5.52	0.04	3.29
JUL	12.39	15.12	7.52	10.95	2.74	-4.87	-1.43
AUG	12.34	15.54	7.82	10.96	3.20	-4.52	-1.38
SEPT	12.45	17.70	9.68	13.75	5.25	-2.78	1.30
OCT	12.32	21.14	12.11	17.20	8.82	-0.21	4.88
NOV	12.86	24.64	15.54	20.99	11.78	2.68	8.13
DEC82	13.62	27.80	20.75	25.90	14.17	7.12	12.28

TABLE IV-N-2d

SS REGULAR UNLEADED RETAIL PRICE COMPARISON CORRECTED FOR TAXES  
 (Alaska city less other city less transportation to Alaska)

	Fairbanks against.....				Anchorage against.....		
	Anc	Sea	SF	LA	Sea	SF	LA
JAN80	NA	NA	NA	NA	NA	NA	NA
FEB	NA	6.12	0.51	-0.19	NA	NA	NA
MAR	NA	NA	NA	NA	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	5.84	2.85	3.43	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	NA	NA	NA	NA	NA	NA
AUG	NA	11.17	8.91	10.15	NA	NA	NA
SEPT	NA	NA	NA	NA	NA	NA	NA
OCT	NA	NA	NA	NA	NA	NA	NA
NOV	NA	12.83	10.64	12.05	NA	NA	NA
DEC80	NA	NA	NA	NA	NA	NA	NA
JAN81	NA	10.61	7.02	8.91	NA	NA	NA
FEB	NA	NA	NA	NA	NA	NA	NA
MAR	NA	11.18	8.89	10.52	NA	NA	NA
APR	NA	NA	NA	NA	NA	NA	NA
MAY	NA	12.91	10.61	12.43	NA	NA	NA
JUN	NA	NA	NA	NA	NA	NA	NA
JUL	NA	11.60	9.49	11.76	NA	NA	NA
AUG	NA	11.41	9.66	11.84	NA	NA	NA
SEPT	3.28	11.30	9.94	12.29	8.02	6.66	9.01
OCT	4.67	11.48	10.15	12.51	6.81	5.48	7.84
NOV	5.39	12.55	11.53	14.39	7.16	6.14	9.00
DEC81	8.71	14.14	13.44	16.32	5.43	4.73	7.61
JAN82	8.53	15.84	15.16	18.62	7.31	6.63	10.09
FEB	8.75	20.00	19.02	22.67	11.25	10.27	13.92
MAR	9.40	24.85	23.68	26.89	15.45	14.27	17.49
APR	9.15	24.98	23.45	26.40	15.83	14.31	17.25
MAY	11.84	24.67	23.09	25.72	12.83	11.26	13.88
JUN	12.03	21.55	18.45	21.50	9.52	6.43	9.48
JUL	12.39	19.12	14.27	17.49	6.74	1.88	5.11
AUG	12.34	19.54	14.58	17.52	7.20	2.24	5.18
SEPT	12.45	21.70	16.34	20.16	9.25	3.89	7.71
OCT	12.32	25.14	18.63	23.41	12.82	6.31	11.09
NOV	12.86	28.64	21.84	26.97	15.78	8.99	14.11
DEC82	13.62	31.80	26.75	31.59	18.17	13.12	17.97

TABLE IV-N-3a  
REGULAR LEADED WHOLESAL E PRICES  
(Lundberg Survey Data)

	ANC wh	SEA wh	SF wh	LA wh
JAN80	NA	79.80	85.03	85.32
FEB	NA	88.85	89.57	89.85
MAR	NA	90.83	92.81	93.59
APR	NA	92.67	93.34	94.00
MAY	NA	92.61	93.87	94.24
JUN	NA	92.96	94.26	94.59
JUL	NA	93.78	94.92	95.23
AUG	NA	93.71	94.92	95.23
SEPT	NA	93.64	93.04	93.50
OCT	NA	92.98	93.04	93.50
NOV	NA	92.84	93.24	93.45
DEC80	NA	93.72	94.60	94.48
JAN81	NA	95.95	97.66	97.60
FEB	NA	102.13	104.27	104.59
MAR	NA	105.66	106.30	106.58
APR	NA	106.34	107.09	107.30
MAY	NA	107.07	108.25	108.47
JUN	NA	108.41	109.22	109.38
JUL	NA	108.88	109.61	109.64
AUG	NA	108.84	109.26	109.36
SEPT	115.00	108.86	108.77	108.97
OCT	114.83	108.86	108.77	108.97
NOV	114.09	108.49	107.76	107.81
DEC81	113.70	107.31	106.53	106.54
JAN82	113.40	105.42	104.31	104.12
FEB	113.11	102.51	100.93	101.18
MAR	112.39	95.90	95.15	95.50
APR	108.54	93.22	92.57	92.73
MAY	105.67	94.88	94.64	94.80
JUN	105.66	99.63	100.62	100.37
JUL	107.65	103.59	106.20	105.40
AUG	107.96	102.92	105.74	104.47
SEPT	107.76	100.58	103.26	101.20
OCT	107.68	97.66	101.20	98.90
NOV	107.09	94.75	97.91	95.85
DEC82	105.15	91.56	93.28	91.96

TABLE IV-3b  
 REGULAR UNLEADED WHOLESALE PRICES  
 (Lundberg Survey)

	ANC	SEA	SF	LA
JAN80	NA	83.71	88.79	88.79
FEB	NA	90.58	93.47	93.75
MAR	NA	94.49	96.49	97.22
APR	NA	96.50	96.96	97.58
MAY	NA	95.77	97.08	97.27
JUN	NA	95.86	97.56	97.80
JUL	NA	96.86	98.18	98.34
AUG	NA	97.52	98.18	98.34
SEPT	NA	97.43	93.50	97.43
OCT	NA	97.15	97.00	97.43
NOV	NA	97.24	97.56	97.76
DEC80	NA	97.76	98.37	98.38
JAN81	NA	99.70	101.30	101.33
FEB	NA	105.52	107.94	108.33
MAR	NA	109.26	109.95	110.23
APR	NA	110.16	110.94	111.11
MAY	NA	110.92	112.08	112.24
JUN	NA	112.34	113.03	113.18
JUL	NA	112.85	113.45	113.48
AUG	NA	112.79	113.15	113.23
SEPT	120.30	112.83	112.67	112.86
OCT	119.88	112.83	112.67	112.86
NOV	119.11	112.34	111.71	111.72
DEC81	118.73	110.69	109.87	109.89
JAN82	118.05	108.79	107.69	107.55
FEB	117.76	105.88	104.36	104.68
MAR	117.07	99.64	98.84	99.18
APR	113.22	96.70	96.03	96.18
MAY	110.27	98.27	97.96	98.07
JUN	110.14	102.88	103.83	103.54
JUL	112.06	106.81	109.37	108.60
AUG	112.23	106.13	109.00	107.84
SEPT	112.05	103.68	106.44	104.49
OCT	111.97	100.80	104.33	102.17
NOV	111.38	98.04	101.27	99.33
DEC82	109.45	94.93	96.77	95.40

TABLE IV-N-4

## ANCHORAGE MOGAS LESS OTHER LESS TRANSPORTATION

	-----WHOLESALE-PRICE-----					
	(Lundberg			Survey)		
	Regular	Leaded.....		Regular	Unleaded.....	
	Sea	SF	LA	Sea	SF	LA
SEPT81	4.11	3.72	3.17	5.44	5.12	4.58
OCT	4.03	3.66	3.13	5.11	4.81	4.28
NOV	3.59	3.83	3.44	4.76	4.90	4.55
DEC81	4.44	4.75	4.41	6.09	6.44	6.09
JAN82	5.87	6.47	6.29	7.15	7.74	7.51
FEB	8.44	9.50	8.87	9.72	10.72	10.02
MAR	14.41	14.66	13.95	15.35	15.65	14.95
APR	13.33	13.51	13.00	14.53	14.72	14.23
MAY	8.81	8.57	8.06	10.02	9.86	9.40
JUN	4.11	2.65	2.56	5.32	3.91	3.86
JUL	1.99	-1.13	-0.69	3.17	0.11	0.52
AUG	3.02	-0.29	0.63	4.08	0.72	1.53
SEPT	5.19	2.03	3.75	6.38	3.14	4.74
OCT	8.09	4.08	6.04	9.24	5.24	7.06
NOV	10.32	6.67	8.38	11.32	7.60	9.19
DEC82	11.57	9.36	10.33	12.50	10.17	11.19

TABLE IV-N-5a  
 REGULAR LEADED IMPLIED MARGINS  
 SELF-SERVICE

	ANC margin	SEA margin	SF margin	LA margin
JAN80	NA	12.08	14.09	13.92
FEB	NA	12.86	15.03	15.13
MAR	NA	12.91	14.33	14.08
APR	NA	12.82	13.56	12.80
MAY	NA	12.46	12.99	11.78
JUN	NA	11.78	12.25	10.45
JUL	NA	10.68	11.2	8.97
AUG	NA	10.37	11.1	8.97
SEPT	NA	10.24	11.37	8.89
OCT	NA	9.54	11.37	8.89
NOV	NA	8.88	10.07	7.99
DEC80	NA	7.94	8.67	6.81
JAN81	NA	7.39	8.09	6.40
FEB	NA	7.85	8.82	7.06
MAR	NA	7.86	8.38	6.95
APR	NA	7.31	7.68	6.23
MAY	NA	7.05	7.26	5.72
JUN	NA	6.54	7.04	5.26
JUL	NA	6.72	7.20	5.44
AUG	NA	6.81	7.42	5.58
SEPT	7.81	6.43	7.46	5.35
OCT	7.53	6.43	7.46	5.35
NOV	7.75	4.93	6.90	4.70
DEC81	5.73	4.97	7.07	4.85
JAN82	5.24	4.88	7.39	4.93
FEB	5.30	3.01	6.46	3.49
MAR	4.64	4.38	6.65	4.55
APR	5.34	4.58	6.87	5.03
MAY	4.60	3.11	4.70	2.95
JUN	5.37	2.95	4.47	2.41
JUL	5.32	3.41	4.48	2.64
AUG	5.30	3.90	4.78	3.71
SEPT	5.58	4.02	5.57	4.55
OCT	5.38	3.29	5.24	3.65
NOV	5.03	2.18	4.63	2.62
DEC82	5.74	1.70	3.68	1.25

Source: Lundberg Letter

TABLE IV-N-5b  
 REGULAR UNLEADED IMPLIED MARGINS  
 SELF-SERVICE

	ANC	SEA	SF	LA
JAN80	NA	12.68	14.63	14.56
FEB	NA	13.31	15.49	15.48
MAR	NA	13.48	15.03	14.66
APR	NA	13.31	14.67	13.99
MAY	NA	13.35	14.55	13.40
JUN	NA	13.15	13.86	12.30
JUL	NA	12.54	13.22	11.41
AUG	NA	12.10	13.22	11.41
SEPT	NA	12.27	8.89	11.19
OCT	NA	11.80	13.58	11.19
NOV	NA	11.47	12.86	10.37
DEC80	NA	10.66	12.20	9.69
JAN81	NA	10.20	11.65	9.41
FEB	NA	11.01	12.51	10.01
MAR	NA	11.22	12.27	10.02
APR	NA	10.85	11.64	9.48
MAY	NA	10.67	11.27	8.97
JUN	NA	10.25	11.04	8.41
JUL	NA	10.17	11.17	8.50
AUG	NA	10.28	11.18	8.57
SEPT	12.65	10.03	11.11	8.22
OCT	11.78	10.08	11.11	8.22
NOV	11.63	9.23	10.39	7.18
DEC81	9.19	9.85	10.90	7.67
JAN82	9.95	9.79	11.06	7.37
FEB	9.72	8.19	10.17	5.82
MAR	8.86	8.76	10.24	6.32
APR	10.07	8.77	10.49	7.05
MAY	9.82	7.01	8.42	5.34
JUN	10.87	6.67	8.35	5.26
JUL	10.62	7.06	8.45	5.73
AUG	10.85	7.73	8.81	6.79
SEPT	11.02	8.15	9.75	7.65
OCT	11.03	7.45	9.45	6.61
NOV	10.88	6.43	9.00	5.58
DEC82	11.85	6.18	8.41	4.70

Source: Lundberg Letter

TABLE IV-N-6  
 ANCHORAGE MOGAS LESS OTHER CITY WHOLESALE MARGIN

(implied margins from Lundberg Letter)

	Regular Leaded.....			Regular Unleaded.....		
	SEA	SF	LA	SEA	SF	LA
SEPT	1.38	0.35	2.46	2.57	1.54	4.43
OCT	1.20	0.17	2.28	1.70	0.67	3.56
NOV	2.82	0.85	3.05	2.40	1.24	4.45
DEC81	0.76	-1.34	0.88	-0.66	-1.71	1.52
JAN82	0.36	-2.15	0.31	0.16	-1.11	2.58
FEB	2.29	-1.16	1.81	1.53	-0.45	3.90
MAR	0.26	-2.01	0.09	0.10	-1.38	2.54
APR	0.76	-1.54	0.31	1.30	-0.42	3.02
MAY	1.49	-0.09	1.65	2.81	1.40	4.48
JUN	2.42	0.89	2.95	4.20	2.52	5.61
JUL	1.91	0.84	2.68	3.56	2.17	4.89
AUG	1.40	0.52	1.59	3.12	2.05	4.06
SEPT	1.56	0.01	1.03	2.87	1.27	3.37
OCT	2.09	0.14	1.73	3.58	1.58	4.42
NOV	2.85	0.41	2.42	4.46	1.89	5.30
DEC82	4.04	2.07	4.49	5.67	3.44	7.14

TABLE IV-N-7a  
REGULAR LEADED CTW PRICE

	FAI	ANC	KET	DUT	BET	SEA	SF	LA
JAN80	85.82	79.92	79.62	80.62	84.20	84.48	82.62	82.62
FEB	91.68	85.78	85.48	86.48	84.20	NA	NA	NA
MAR	92.40	86.50	86.20	87.20	84.20	92.77	91.86	91.86
APR	92.40	86.50	86.20	87.20	91.20	95.67	93.61	93.61
MAY	94.46	86.56	88.26	89.26	91.20	96.25	95.91	95.91
JUN	97.70	91.80	91.50	92.50	91.20	96.25	96.59	96.59
JUL	99.85	93.95	93.65	94.65	91.20	94.96	96.78	96.78
AUG	101.40	95.50	95.20	96.20	97.20	93.67	95.79	95.79
SEPT	100.53	94.63	94.33	95.33	97.20	93.17	93.91	93.91
OCT	102.11	96.21	95.91	96.91	97.20	92.58	92.37	92.37
NOV	103.07	97.17	93.23	94.19	97.20	92.01	89.97	89.97
DEC80	104.35	98.45	98.15	99.15	104.00	91.75	90.44	90.44
JAN81	108.83	102.93	102.88	103.85	107.00	92.73	91.22	91.07
FEB	112.69	106.79	106.74	111.57	107.00	98.19	97.05	98.41
MAR	116.65	110.75	110.70	112.50	107.00	103.68	103.26	103.98
APR	117.25	111.35	111.30	112.70	114.50	104.78	104.15	105.27
MAY	118.50	112.63	112.58	114.27	114.50	105.49	105.78	106.26
JUN	118.98	113.33	113.28	115.67	114.50	106.04	106.53	106.54
JUL	119.65	114.00	113.95	116.50	120.50	106.02	106.55	107.06
AUG	120.15	114.50	114.70	116.50	120.50	105.65	105.56	105.58
SEPT	120.15	114.50	114.70	116.50	120.50	105.50	104.30	105.00
OCT	120.15	114.50	114.70	116.50	120.50	105.49	103.69	104.74
NOV	120.15	114.50	114.70	116.50	120.50	104.78	102.74	103.65
DEC81	120.15	114.50	114.70	116.50	124.50	103.01	103.01	100.16
JAN82	120.15	112.26	114.70	116.50	124.50	101.04	95.82	95.42
FEB	119.36	112.48	114.38	116.50	124.50	97.73	92.16	93.03
MAR	117.62	110.52	112.67	115.00	124.50	92.47	89.91	90.86
APR	113.77	103.27	106.13	104.67	118.60	90.44	88.66	90.32
MAY	115.02	103.42	106.52	102.96	118.60	92.12	91.54	93.14
JUN	116.47	104.87	108.12	105.70	118.60	97.28	97.29	98.67
JUL	118.55	106.95	110.20	107.30	118.60	102.01	102.08	104.25
AUG	119.34	107.74	110.65	107.30	121.00	100.46	101.93	100.49
SEPT	119.50	107.61	110.65	107.30	121.00	99.38	99.54	97.39
OCT	119.43	107.40	110.65	107.30	121.00	96.32	97.01	94.65
NOV	119.00	107.20	110.65	107.30	121.00	94.25	92.83	90.83
DEC82	117.62	105.28	110.25	107.30	121.00	NA	NA	NA

Note: Seattle, Los Angeles and San Francisco data from Platt's

TABLE IV-N-7b  
REGULAR UNLEADED CTW PRICE

	FAI	ANC	KET	DUT	SEA	SF	LA
JAN80	89.25	83.35	83.55	85.70	NA	NA	NA
FEB	94.34	88.44	88.64	90.88	NA	NA	NA
MAR	94.70	88.80	89.00	91.60	NA	NA	NA
APR	94.70	88.80	89.00	91.60	NA	NA	NA
MAY	97.73	91.83	92.03	93.66	NA	NA	NA
JUN	101.35	95.45	95.65	96.90	NA	NA	NA
JUL	103.93	98.03	98.23	99.05	NA	NA	NA
AUG	104.70	98.80	99.00	100.60	NA	NA	NA
SEPT	105.48	99.58	99.78	100.17	NA	NA	NA
OCT	107.38	101.48	101.68	102.31	NA	NA	NA
NOV	108.53	102.63	101.01	99.59	NA	NA	NA
DEC80	109.18	103.28	103.48	104.55	NA	NA	NA
JAN81	111.53	105.87	106.07	109.25	96.49	95.08	94.80
FEB	117.89	111.99	115.69	116.97	102.39	100.89	101.92
MAR	121.85	115.95	116.15	117.90	107.59	107.24	107.36
APR	122.45	116.55	116.75	118.10	108.72	108.13	108.53
MAY	123.70	117.83	118.03	119.67	109.56	109.30	109.38
JUN	124.07	118.42	118.62	120.83	109.61	109.90	109.97
JUL	124.15	118.50	118.70	120.50	109.62	110.46	110.73
AUG	124.65	119.00	119.45	120.50	109.46	109.10	108.83
SEPT	124.65	119.00	119.45	120.50	108.90	108.05	108.63
OCT	124.65	119.00	119.45	120.50	109.27	107.39	108.01
NOV	124.65	119.00	119.45	120.50	108.30	106.23	107.16
DEC81	124.65	119.00	119.45	120.50	107.02	107.03	103.63
JAN82	124.65	116.76	119.45	120.50	104.65	99.80	98.43
FEB	123.86	116.98	119.13	120.50	101.43	95.84	96.03
MAR	122.12	115.02	117.42	119.00	95.65	93.52	94.04
APR	118.27	107.42	110.35	108.67	93.86	91.91	93.62
MAY	119.52	107.42	110.52	106.96	95.29	94.87	96.52
JUN	120.97	108.87	112.12	109.70	100.71	101.48	102.01
JUL	123.05	110.95	114.20	111.30	102.72	105.80	108.04
AUG	123.50	111.74	114.65	111.30	103.76	105.13	103.94
SEPT	123.50	111.61	114.65	111.30	103.05	102.90	100.71
OCT	123.43	111.40	114.65	111.30	99.64	101.46	98.15
NOV	123.00	111.20	114.65	111.30	97.64	95.95	94.47
DEC82	121.88	109.28	114.25	111.30	NA	NA	NA

Note: Seattle, Los Angeles and San Francisco data from Platt's

TABLE IV-N-8a  
REGULAR LEADED CTW  
ALASKA CTW PRICES LESS SEA CTW LESS GPM

	FAI	ANC	KET	DUT	BET
JAN80	-6.47	-6.84	-5.75	NA	NA
FEB	NA	NA	NA	NA	NA
MAR	-3.10	-8.48	-7.46	NA	NA
APR	-11.32	-11.34	-10.36	NA	NA
MAY	-9.93	-9.87	-8.88	NA	NA
JUN	-6.67	-6.61	-5.64	NA	NA
JUL	-3.12	-3.06	-2.20	NA	NA
AUG	-0.37	-0.31	0.64	NA	NA
SEPT	-0.68	-0.62	0.28	NA	NA
OCT	1.50	1.57	2.44	NA	NA
NOV	3.00	3.06	0.33	NA	NA
DEC80	4.46	4.52	5.51	NA	NA
JAN81	7.60	7.98	9.22	NA	NA
FEB	5.89	6.26	7.62	NA	NA
MAR	4.23	4.78	6.09	NA	NA
APR	3.72	4.28	5.59	NA	NA
MAY	4.31	4.90	6.17	NA	NA
JUN	4.24	5.11	6.32	NA	NA
JUL	4.75	5.87	7.00	NA	NA
AUG	5.68	6.80	8.12	NA	NA
SEPT	5.86	6.98	8.27	NA	NA
OCT	5.95	7.07	8.28	NA	NA
NOV	6.59	7.71	8.99	NA	NA
DEC81	8.42	9.54	10.76	NA	NA
JAN82	10.23	9.11	12.65	13.53	16.53
FEB	12.70	12.59	15.64	16.84	19.84
MAR	16.31	15.97	19.20	20.60	25.10
APR	14.58	10.85	14.69	12.30	21.23
MAY	14.16	9.32	13.39	8.91	14.55
JUN	10.49	5.66	9.83	6.49	9.39
JUL	7.43	2.86	7.18	3.36	4.66
AUG	9.78	5.26	9.18	4.91	8.61
SEPT	11.05	6.24	10.26	5.99	9.69
OCT	14.10	9.15	13.32	9.05	12.75
NOV	15.65	10.93	15.39	11.12	14.82
DEC82	NA	NA	NA	NA	NA

TABLE IV-N-8b  
REGULAR LEADED CTW  
ALASKA CTW PRICE LESS SF CTW LESS GPM

	FAI	ANC	KET	DUT	BET
JAN80	-5.10	-5.48	-4.31	-4.87	-5.29
FEB	NA	NA	NA	NA	NA
MAR	-7.67	-8.04	-6.97	-7.43	-14.43
APR	-9.73	-9.75	-8.72	-9.14	-9.14
MAY	-10.06	-10.00	-8.96	-9.39	-11.45
JUN	-7.48	-7.42	-6.40	-6.81	-12.11
JUL	-5.42	-5.35	-4.44	-4.76	-12.21
AUG	-2.98	-2.92	-1.90	-2.33	-5.33
SEPT	-1.91	-1.85	-0.89	-1.26	-3.39
OCT	1.24	1.30	2.23	1.89	-1.82
NOV	4.55	4.61	1.94	1.53	0.54
DEC80	5.27	5.33	6.40	5.92	6.76
JAN81	8.58	8.95	10.30	9.77	8.91
FEB	6.47	6.84	8.33	11.51	2.94
MAR	4.10	4.65	6.08	6.28	-3.22
APR	3.80	4.36	5.79	5.59	3.39
MAY	3.48	4.08	5.44	5.60	0.83
JUN	3.23	4.10	5.39	6.32	0.15
JUL	3.71	4.83	6.04	7.20	6.20
AUG	5.28	6.40	7.78	8.28	7.28
SEPT	6.57	7.69	9.04	9.57	8.57
OCT	7.29	8.41	9.65	10.29	9.29
NOV	8.15	9.26	10.60	11.15	10.15
DEC81	7.95	9.07	10.33	10.96	13.96
JAN82	14.94	13.82	17.39	17.93	20.93
FEB	17.75	17.64	20.72	21.53	24.53
MAR	18.36	18.03	21.27	22.39	26.89
APR	15.88	12.15	15.98	13.43	22.36
MAY	14.26	9.43	13.49	8.85	14.49
JUN	10.01	5.18	9.34	5.90	8.80
JUL	6.86	2.29	6.63	2.52	3.82
AUG	7.82	3.30	7.23	2.75	6.45
SEPT	10.41	5.60	9.62	5.18	8.88
OCT	12.94	7.99	12.15	7.78	11.48
NOV	16.58	11.86	16.33	11.85	15.55
DEC82	NA	NA	NA	NA	NA

TABLE IV-N-8c  
REGULAR LEADED CTW  
ALASKA CTW PRICE LESS LA CTW LESS GPM

	FAI	ANC	KET	DUT	BET
JAN80	-5.50	-5.88	-4.54	-5.26	-5.68
FEB	NA	NA	NA	NA	NA
MAR	-8.05	-8.43	-7.20	-7.80	-14.80
APR	-10.11	-10.14	-8.95	-9.51	-9.51
MAY	-10.44	-10.38	-9.18	-9.76	-11.82
JUN	-7.86	-7.80	-6.63	-7.17	-12.47
JUL	-5.79	-5.73	-4.67	-5.13	-12.58
AUG	-3.38	-3.32	-2.13	-2.72	-5.72
SEPT	-2.29	-2.23	-1.12	-1.63	-3.77
OCT	0.86	0.92	2.00	1.52	-2.19
NOV	4.17	4.23	1.72	1.15	0.16
DEC80	4.87	4.93	6.17	5.53	6.37
JAN81	8.40	8.78	10.23	9.62	8.77
FEB	4.77	5.14	6.75	9.84	1.27
MAR	3.04	3.59	5.14	5.25	-4.25
APR	2.34	2.90	4.45	4.17	1.97
MAY	2.68	3.27	4.75	4.82	0.05
JUN	2.90	3.77	5.17	6.02	-0.15
JUL	2.84	3.95	5.31	6.36	5.36
AUG	4.91	6.03	7.54	7.93	6.93
SEPT	5.52	6.64	8.12	8.55	7.55
OCT	5.91	7.03	8.38	8.94	7.94
NOV	6.89	8.01	9.47	9.92	8.92
DEC81	10.47	11.59	12.96	13.50	16.50
JAN82	14.97	13.85	17.55	17.99	20.99
FEB	16.50	16.39	19.62	20.31	23.31
MAR	17.05	16.72	20.08	21.10	25.60
APR	13.88	10.14	14.08	11.45	20.38
MAY	12.31	7.48	11.65	6.93	12.57
JUN	8.30	3.47	7.72	4.21	7.11
JUL	4.33	-0.24	4.22	0.01	1.31
AUG	8.91	4.39	8.43	3.86	7.56
SEPT	12.22	7.40	11.53	7.00	10.70
OCT	14.97	10.01	14.27	9.82	13.52
NOV	18.23	13.51	18.09	13.52	17.22
DEC82	NA	NA	NA	NA	NA

TABLE IV-N-9a  
REGULAR LEADED MARKUPS FROM CTW

	FAI	ANC	c/g SEA	SF	LA
JAN80	NA	NA	7.40	16.50	16.62
FEB	23.52	NA	NA	NA	NA
MAR	NA	NA	10.97	15.29	15.81
APR	NA	NA	9.82	13.29	13.19
MAY	24.94	NA	8.82	10.95	10.11
JUN	NA	NA	8.49	9.92	8.45
JUL	NA	NA	9.50	9.16	7.42
AUG	23.50	NA	10.41	10.16	8.41
SEPT	NA	NA	10.72	10.49	8.47
OCT	NA	NA	9.94	12.04	10.02
NOV	21.43	NA	9.72	13.34	11.47
DEC80	NA	NA	9.91	12.83	10.85
JAN81	13.57	NA	10.61	14.53	12.93
FEB	NA	NA	11.79	16.04	13.24
MAR	17.15	NA	9.84	11.42	9.55
APR	NA	NA	8.87	10.62	8.26
MAY	17.80	NA	8.63	9.73	7.93
JUN	NA	NA	8.93	9.73	8.10
JUL	17.05	NA	9.58	10.26	8.02
AUG	15.85	NA	10.00	11.12	9.36
SEPT	15.75	8.47	9.79	11.93	9.32
OCT	15.85	7.96	9.80	12.54	9.58
NOV	15.65	7.34	8.64	11.92	8.86
DEC81	16.05	4.93	9.27	10.59	11.23
JAN82	16.05	6.38	9.26	15.88	13.63
FEB	16.54	5.93	7.79	15.23	11.64
MAR	17.58	6.51	7.81	11.89	9.19
APR	18.63	10.60	7.36	10.78	7.44
MAY	16.58	6.85	5.87	7.80	4.61
JUN	16.43	6.16	5.29	7.77	4.11
JUL	16.95	6.03	4.89	8.98	4.09
AUG	16.56	5.52	6.36	9.09	8.08
SEPT	16.60	5.73	5.23	9.79	8.75
OCT	16.27	5.66	4.63	9.91	8.27
NOV	16.40	4.92	2.68	10.18	8.00
DEC82	17.58	5.61	NA	NA	NA

DATA SOURCES:

retail: FBNSB Lundberg Lundberg Lundberg Lundberg  
 CTW: study study Platt's Platt's Platt's

TABLE IV-N-9b  
REGULAR UN-LEADED MARKUPS FROM CTW  
c/g

	FAI	ANC	SEA	SP	LA
JAN80	NA	NA	NA	NA	NA
FEB	23.66	NA	NA	NA	NA
MAR	NA	NA	NA	NA	NA
APR	NA	NA	NA	NA	NA
MAY	25.37	NA	NA	NA	NA
JUN	NA	NA	NA	NA	NA
JUL	NA	NA	NA	NA	NA
AUG	24.20	NA	NA	NA	NA
SEPT	NA	NA	NA	NA	NA
OCT	NA	NA	NA	NA	NA
NOV	21.07	NA	NA	NA	NA
DEC80	NA	NA	NA	NA	NA
JAN81	17.47	NA	13.41	17.87	15.94
FEB	NA	NA	14.14	19.56	16.42
MAR	18.55	NA	12.89	14.98	12.89
APR	NA	NA	12.29	14.45	12.06
MAY	19.50	NA	12.03	14.05	11.83
JUN	NA	NA	12.98	14.17	11.62
JUL	19.35	NA	13.40	14.16	11.25
AUG	18.65	NA	13.61	15.23	12.97
SEPT	18.35	13.95	14.01	15.73	12.45
OCT	18.45	12.66	13.64	16.39	13.07
NOV	18.25	11.74	13.27	15.87	11.74
DEC81	18.75	8.92	13.52	13.74	13.93
JAN82	18.65	11.24	13.93	18.95	16.49
FEB	19.14	10.50	12.64	18.69	14.47
MAR	19.98	10.91	12.75	15.56	11.46
APR	20.93	15.87	11.61	14.60	9.60
MAY	19.18	12.67	9.99	11.51	6.89
JUN	18.83	12.14	8.84	10.70	6.79
JUL	19.05	11.74	11.15	12.42	6.59
AUG	19.00	11.34	10.10	13.21	11.10
SEPT	19.10	11.46	8.78	13.81	11.83
OCT	18.97	11.60	8.60	12.83	11.03
NOV	19.20	11.07	6.82	14.82	10.82
DEC82	20.12	12.02	NA	NA	NA

DATA SOURCES:

retail: FBNSB Lundberg Lundberg Lundberg Lundberg  
CTW: study study Platt's Platt's Platt's

TABLE IV-N-10a  
 REGULAR LEADED  
 CTW PRICE LESS LUNDBERG WHOLESALE  
 c/g

	ANC	SEA	SF	LA
JAN80	NA	4.68	-2.41	-2.70
FEB	NA	NA	NA	NA
MAR	NA	1.94	-0.95	-1.73
APR	NA	3.00	0.27	-0.39
MAY	NA	3.64	2.04	1.67
JUN	NA	3.29	2.33	2.00
JUL	NA	1.18	1.86	1.55
AUG	NA	-0.04	0.87	0.56
SEPT	NA	-0.48	0.87	0.41
OCT	NA	-0.40	-0.67	-1.13
NOV	NA	-0.84	-3.27	-3.48
DEC80	NA	-1.97	-4.16	-4.04
JAN81	NA	-3.22	-6.44	-6.53
FEB	NA	-3.94	-7.22	-6.18
MAR	NA	-1.98	-3.04	-2.60
APR	NA	-1.56	-2.94	-2.03
MAY	NA	-1.58	-2.47	-2.21
JUN	NA	-2.37	-2.69	-2.84
JUL	NA	-2.86	-3.06	-2.58
AUG	NA	-3.19	-3.70	-3.78
SEPT	-0.50	-3.36	-4.47	-3.97
OCT	-0.33	-3.37	-5.08	-4.23
NOV	0.41	-3.71	-5.02	-4.16
DEC81	0.80	-4.30	-3.52	-6.38
JAN82	-1.14	-4.38	-8.49	-8.70
FEB	-0.63	-4.78	-8.77	-8.15
MAR	-1.87	-3.43	-5.24	-4.64
APR	-5.27	-2.78	-3.91	-2.41
MAY	-2.24	-2.78	-3.10	-1.66
JUN	-0.79	-2.35	-3.33	-1.70
JUL	-0.70	-1.58	-4.12	-1.15
AUG	-0.22	-2.46	-3.81	-3.98
SEPT	-0.15	-1.20	-3.72	-3.81
OCT	-0.28	-1.34	-4.19	-4.25
NOV	0.11	-0.50	-5.08	-5.02
DEC82	0.13	NA	NA	NA

CTW data: Platt's for SEA, SF, LA; ANC study

TABLE IV-N-10b  
REGULAR UNLEADED  
CTW PRICE LESS LUNDBERG WHOLESALE  
c/g

	ANC	SEA	SF	LA
JAN80	NA	NA	NA	NA
FEB	NA	NA	NA	NA
MAR	NA	NA	NA	NA
APR	NA	NA	NA	NA
MAY	NA	NA	NA	NA
JUN	NA	NA	NA	NA
JUL	NA	NA	NA	NA
AUG	NA	NA	NA	NA
SEPT	NA	NA	NA	NA
OCT	NA	NA	NA	NA
NOV	NA	NA	NA	NA
DEC80	NA	NA	NA	NA
JAN81	NA	-3.21	-6.22	-6.53
FEB	NA	-3.13	-7.05	-6.41
MAR	NA	-1.67	-2.71	-2.87
APR	NA	-1.44	-2.81	-2.58
MAY	NA	-1.36	-2.78	-2.86
JUN	NA	-2.73	-3.13	-3.21
JUL	NA	-3.23	-2.99	-2.75
AUG	NA	-3.33	-4.05	-4.40
SEPT	-1.30	-3.93	-4.62	-4.23
OCT	-0.88	-3.56	-5.28	-4.85
NOV	-0.11	-4.04	-5.48	-4.56
DEC81	0.27	-3.67	-2.84	-6.26
JAN82	-1.29	-4.14	-7.89	-9.12
FEB	-0.78	-4.45	-8.52	-8.65
MAR	-2.05	-3.99	-5.32	-5.14
APR	-5.80	-2.84	-4.12	-2.56
MAY	-2.85	-2.98	-3.09	-1.55
JUN	-1.27	-2.17	-2.35	-1.53
JUL	-1.11	-4.09	-3.57	-0.56
AUG	-0.49	-2.37	-3.87	-3.90
SEPT	-0.44	-0.63	-3.54	-3.78
OCT	-0.57	-1.16	-2.87	-4.02
NOV	-0.18	-0.40	-5.32	-4.86
DEC82	-0.17	NA	NA	NA

CTW data: Platt's for SEA, SF, LA; ANC study

LEGEND TABLE V-0-1

Estimated Costs.

ANS \$/B Crude Oil cost using Exhibit-B price delivered to North Pole gate which includes the GVEA tariff (on entering oil only).

RETURN Return Oil to TAPS price adjusted for quality bank penalty.

Estimated Refinery Net Back Product Prices.

JET A-1f Refinery rack price for Jet A-1 sold at Fairbanks International airport.

JET A-1a Refinery net back price for Jet A-1 sold at Anchorage International airport, price includes freight to Anchorage.

JET B Refinery rack price for Jet B.

JP-4 Refinery awarded bid price by DFSC.

#1 OIL Refinery rack price for #1 heating oil.

DF-A Refinery awarded bid price by DFSC.

#2 OIL Refinery rack price for #2 heating oil.

#4 OIL Price paid by GVEA for turbine fuel.

TABLE V-O-1

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 INPUT COSTS AT NORTH POLE REFINERY GATE, \$/B

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
ANS \$/B	25.11	30.14	30.07	29.61	28.08	27.59	27.51	26.91	26.12	26.18	26.07	25.85
RETURN	23.97	28.99	28.92	28.46	26.93	26.44	26.36	25.76	24.97	25.03	24.92	24.70

## PRODUCT PRICES NET BACK NORTH POLE REFINERY, C/G

JET A-1f	94.91	100.38	103.55	108.00	108.00	108.00	108.00	108.00	108.00	109.81	110.00	110.00
JET A-1a	83.74	89.94	93.99	96.59	96.59	96.52	96.25	96.25	96.25	96.25	96.25	96.25
JET B	92.41	97.88	101.05	105.50	105.50	105.50	105.50	105.50	105.50	107.31	107.50	107.50
JP-4	85.60	85.60	85.60	85.60	85.60	85.60	85.60	85.60	85.60	107.90	107.90	107.90
#1 OIL	95.48	100.25	106.63	107.40	104.40	104.40	104.40	104.40	104.40	110.11	110.40	110.40
DF-A	88.65	88.65	88.65	88.65	88.65	88.65	88.65	88.65	88.65	109.90	109.90	109.90
#2 OIL	90.64	98.25	101.63	102.40	102.40	102.40	102.40	102.40	102.40	105.11	105.40	105.40
#4 OIL	83.00	83.00	83.00	84.00	84.00	84.00	79.00	79.00	79.00	77.00	77.00	77.00

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 INPUT COSTS AT NORTH POLE REFINERY GATE, \$/B

	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
ANS \$/B	25.28	24.00	22.83	22.86	22.99	24.72	24.72	24.91	24.67	24.68	24.15	24.15
RETURN	24.13	22.85	21.68	21.71	21.84	23.57	23.57	23.76	23.52	23.53	23.00	23.00

## PRODUCT PRICES NET BACK NORTH POLE REFINERY, C/G

JET A-1f	108.95	108.95	108.95	106.92	102.75	102.75	102.75	102.75	102.75	102.75	102.75	102.75
JET A-1a	95.20	95.20	95.12	90.84	90.17	90.40	90.10	90.05	90.05	90.05	90.05	90.05
JET B	106.45	106.45	106.45	104.42	100.25	100.25	100.25	100.25	100.25	100.25	100.25	100.25
JP-4	107.90	107.90	107.90	107.90	107.90	107.90	107.90	107.90	107.90	107.90	107.90	107.90
#1 OIL	110.40	110.40	106.75	105.40	103.00	103.00	97.50	97.50	97.50	97.50	97.50	97.50
DF-A	109.90	109.90	109.90	109.90	109.90	109.90	109.90	109.90	109.90	109.90	109.90	109.90
#2 OIL	105.40	105.40	101.75	100.40	98.00	98.00	92.50	92.50	92.50	92.50	92.50	92.50
#4 OIL	72.00	72.00	72.00	70.00	70.00	70.00	72.00	72.00	72.00	72.00	72.00	72.00

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EXPLANATION OF TABLE V-P-1a/b

This work table indicates the calculations used in arriving at the estimated annual profit and loss statement in the next two tables. The barrels of each petroleum product (BPCD) are defined in Table III-H-1 and Table III-H-2. This is assumed constant for each day of the year as well as the crude charge. The monthly petroleum product prices (from the previous Table V-O-1) are used to determine the revenue in a given month (REV/MO), the revenue per day in a given month (REV/DY), and the revenue per product barrel in a given month (REV\$/B-P). This latter estimate gives an indication of the effect of pricing trends over time.

The raw material costs for the refinery charge and return rates (defined in Table III-H-1 and Table III-H-2), are constant on a daily basis over the year. The crude cost brought into the refinery and the value of the return oil vary monthly and the values presented in Table V-O-1 are utilized in the calculations. The monthly cost of raw material after crediting for the return oil and its penalty is given (INPUT/MO), the cost per day of a given month (INPUT/DY) and the cost of raw material per barrel of product for a given month (IN \$/B-P) are calculated.

The difference between the total raw materials and total revenue received in a given month is the markup (MU/MO) and is calculated on a daily basis within a given month (MU/DY). The markup that occurs on each barrel of product for a given month is given by MU,\$/B-P. This latter figure gives an indication of the profitability of the refinery over the year on a monthly basis. If the number increases, the refinery is seeking a greater price for its petroleum products compared to its raw material acquisition costs.

TABLE V-P-1a

## WORKSHEET

REVENUE ESTIMATES NORTH POLE REFINERY, M\$												
	JAN82	FEB	MAR	APR	1982 MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
JET A-1f	4327	3908	4327	4109	4080	3949	4080	4080	3949	4080	3949	4080
JET A-1a	2863	2586	2861	2644	2712	2631	2710	2708	2621	2708	2621	2708
JET B	762	689	762	724	718	695	718	718	695	718	695	718
JP-4	2978	2690	2978	2882	2978	2882	2978	2978	2882	2978	2882	2978
#1 OIL	1826	1649	1765	1687	1703	1648	1612	1612	1560	1612	1560	1612
DFA	758	685	758	734	758	734	758	758	734	758	734	758
#2 OIL	3623	3272	3498	3340	3369	3260	3179	3179	3077	3179	3077	3179
#4 OIL	759	686	759	714	738	714	759	759	735	759	735	759
REG LEAD	0	0	0	0	0	0	0	0	0	0	0	0
REG UNLD	0	0	0	0	0	0	0	0	0	0	0	0
ASPHALT	0	0	0	0	0	0	0	0	0	0	0	0
REV/MO	17896	16164	17709	16834	17057	16513	16796	16794	16252	16794	16252	16794
REV/DY	577	577	571	561	550	550	542	542	542	542	542	542
REV\$/B-P	43.47	43.47	43.02	42.25	41.43	41.45	40.80	40.79	40.79	40.79	40.79	40.79
RAW MATERIAL COST ESTIMATES NORTH POLE REFINERY, M\$												
ANS @NPR	33714	28909	30447	29503	30660	31904	32967	33220	31840	32912	31168	32207
RETURN	-21156	-18095	-19009	-18421	-19149	-19999	-20665	-20832	-19957	-20629	-19515	-20166
INPUT/MO	12558	10814	11438	11082	11511	11905	12302	12388	11883	12283	11653	12041
INPUT/DY	405	386	369	369	371	397	397	400	396	396	388	388
IN \$/B-P	30.50	29.08	27.78	27.82	27.96	29.88	29.88	30.09	29.83	29.84	29.25	29.25
DERIVED PRODUCT MARK-UP ABOVE RAW MATERIAL COSTS, M\$												
MU/MO	5339	5350	6271	5751	5546	4608	4494	4406	4370	4511	4600	4753
MU/DY	172.22	191.09	202.28	191.71	178.89	153.61	144.98	142.12	145.65	145.53	153.32	153.32
MU, \$/B-P	12.97	14.39	15.23	14.44	13.47	11.57	10.92	10.70	10.97	10.96	11.55	11.55

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## TABLE V-P-1b

## WORKSHEET

REVENUE ESTIMATES	NORTH POLE REFINERY, M\$ 1981											
	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
JET A-1f	3077	2939	3357	3388	3501	3388	3501	3501	3388	3560	3451	3566
JET A-1a	2846	2761	3194	3177	3282	3174	3271	3271	3165	3271	3165	3271
JET B	2033	1945	2223	2247	2321	2247	2321	2321	2247	2361	2289	2365
JP-4	1605	1450	1605	1553	1605	1553	1605	1605	1553	2023	1958	2023
#1 OIL	1304	1274	1456	1420	1426	1380	1426	1426	1380	1504	1459	1508
DFA	578	522	578	560	578	560	578	578	560	717	694	717
#2 OIL	2360	2311	2646	2580	2666	2580	2666	2666	2580	2737	2656	2745
#4 OIL	670	605	670	656	678	656	638	638	617	622	602	622
REG LEAD	0	0	0	0	0	0	0	0	0	0	0	0
REG UNLD	0	0	0	0	0	0	0	0	0	0	0	0
ASPHALT	0	0	0	0	0	0	0	0	0	0	0	0

REV/MO	14473	13807	15730	15580	16059	15538	16007	16007	15490	16794	16274	16816
REV/DY	467	493	507	519	518	518	516	516	516	542	542	542
REV\$/B-P	37.65	39.77	40.92	41.88	41.78	41.77	41.64	41.64	41.64	43.69	43.75	43.75

## RAW MATERIAL COST ESTIMATES NORTH POLE REFINERY, M\$

ANS @NPR	32183	34888	38536	36722	35986	34217	35255	34486	32394	33551	32332	33128
RETURN	-21010	-22957	-25356	-24148	-23611	-22434	-23111	-22585	-21187	-21945	-21144	-21656
INPUT/MO	11173	11930	13180	12575	12375	11783	12144	11901	11207	11605	11188	11472
INPUT/DY	360	426	425	419	399	393	392	384	374	374	373	370
IN \$/B-P	29.07	34.36	34.29	33.80	32.19	31.68	31.59	30.96	30.13	30.19	30.07	29.84

## DERIVED PRODUCT MARK-UP ABOVE RAW MATERIAL COSTS, M\$

MU/MO	3300	1877	2550	3006	3684	3755	3863	4106	4283	5189	5086	5344
MU/DY	106.45	67.02	82.26	100.19	118.85	125.17	124.61	132.44	142.76	167.38	169.53	172.40
MU, \$/B-P	8.58	5.40	6.63	8.08	9.58	10.09	10.05	10.68	11.51	13.50	13.67	13.90

EXPLANATION OF TABLE V-P-2a/b

This table summarizes by rows from the preceding, Table V-P-1a/b, product revenues (REV. MM\$/Y) and raw material costs (COST MM\$/Y) over the twelve months. These revenues and costs are each summarized on the SUMMARY row to give a year total. The contribution of each as a percentage of total cost or total revenue is determined ( % COST and \$ REV.) The average revenue per barrel of a particular petroleum product is calculated (ave. \$/B) as well as for all products in the summary row.

A similar calculation is made for raw material costs. The raw material average cost is by actual barrel and the refinery's total cost of raw materials given on the summary line divided by the net "retained" barrels is the total average cost per barrel retained. The final crude cost average is higher than actual price per barrel. This is because NPR receives a "lower" price on its return oil and the total of the "charges" placed on the return oil and fuel/loss in the refinery are included in the final average price.

This final average crude cost determines the markup per barrel of product. In the calculation of the markup, the cost per barrel of product is determined from the total cost of materials divided by the total product barrels over a given year. Hence the markup that is used here reflects not only crude costs but refinery fuel. This column (MU \$/B) gives an indication of the more profitable products. The % of Rev. column indicates which markets are most critical to the refinery's total revenue picture.

The table's gross revenue and gross cost of raw material enter the profit and loss calculations in the next table.

TABLE V-P-2a

NORTH POLE REFINERY PRODUCT/CRUDE SUMMARY 1982						
PRODUCT	VOL %	BPCD	ave. \$/B	MU \$/B	REV. MM\$/Y	% REV.
JET A-1	22.97	3050	43.94	14.68	48.92	24.23
JET A-1a	17.39	2310	38.40	9.13	32.37	16.04
JET B	4.14	550	42.89	13.63	8.61	4.27
JP-4	15.96	2120	45.32	16.05	35.07	17.37
#1 OIL	9.56	1270	42.81	13.55	19.85	9.83
DFA	3.99	530	46.16	16.89	8.93	4.42
#2 OIL	19.86	2640	40.71	11.45	39.23	19.44
#4 OIL	6.10	810	30.03	0.76	8.88	4.40
REG LEAD	0.00	0	0.00	0.00	0.00	0.00
REG UNLD	0.00	0	0.00	0.00	0.00	0.00
ASPHALT	0.00	0	0.00	0.00	0.00	0.00
SUMMARY	100.00	13280	41.64	12.38	201.86	100.00
INPUTS	% CHARGE	BPCD	ave \$/B	+/- ave.	COST MM\$/Y	% COST
ANS @NPR	100.00	43020	24.17	-3.68	379.45	267.49
RETURN	67.55	-29060	22.40	-5.44	-237.59	
SUMMARY	100.00	13960	27.84		141.86	267.49

TABLE V-P-2b

NORTH POLE REFINERY PRODUCT/CRUDE SUMMARY 1981						
PRODUCT	VOL %	BPCD	ave. \$/B	MU \$/B	REV. MM\$/Y	% REV.
JET A-1	20.08	2490	44.69	13.20	40.62	21.54
JET A-1a	21.05	2610	39.73	8.24	37.85	20.07
JET B	13.63	1690	43.64	12.15	26.92	14.28
JP-4	11.61	1440	38.31	6.82	20.14	10.68
#1 OIL	8.46	1049	44.30	12.81	16.96	8.99
DFA	4.04	501	39.48	7.99	7.22	3.83
#2 OIL	16.13	2000	42.73	11.24	31.20	16.54
#4 OIL	5.00	620	33.91	2.41	7.67	4.07
REG LEAD	0.00	0	0.00	0.00	0.00	0.00
REG UNLD	0.00	0	0.00	0.00	0.00	0.00
ASPHALT	0.00	0	0.00	0.00	0.00	0.00
SUMMARY	100.00	12400	41.66	10.17	188.58	100.00
INPUTS	% CHARGE	BPCD	ave \$/B	+/- ave.	COST MM\$/Y	% COST
ANS @NPR	100.00	41340	27.42	-2.49	413.68	290.23
RETURN	68.41	-28280	26.27	-3.63	-271.14	
SUMMARY	100.00	13060	29.90		142.53	290.23

EXPLANATION OF TABLE V-P-3a/b

The estimated profit and loss statement as presented contains a number of assumptions which make this a conservative estimate of the refineries operation in the given year.

Three columns are presented, M\$/DY which is on a thousands of dollars daily basis over the year, MM\$/YR which is the total million of dollars for the year and \$ B-PROD which is on a dollars per barrel of product over the year.

PRODUCT REVENUE comes from Table V-P-2a/b and represents the total revenues of the refinery.

CRUDE PURCHASES comes from Table V-P-2a/b and represents the total cost of raw materials used in the refinery.

GROSS MARGIN, MU is the difference between the product revenue and crude cost.

% TO SALES is a performance measure that shows the gross margin as a percentage of the total sales. The higher the percentage the greater the markup which includes operations costs and profit.

OPERATIONS is explained in the text.

DEPRECIATION is based on assessed value of plant using a fifteen year life, straight line.

INS/TAX @2 % approximate measure of local taxes and insurance using assessed value of plant.

INTEREST, 11% assumed the plant equity was 30% and financing 70% and as if at day one (no debt retirement encountered) and interest on full 70%. Most FY reports of Alaska refiners spoke to lower interest rates.

TOTAL OPER. COSTS is merely the sum of the operations, depreciation, ins/tax and interest costs.

TAXES @54% F/S the final rate of both State and Federal taxes is assumed to be 54%. Most FY reports of Alaska refiners spoke to lower effective rates.

INVESTMENT CREDITS none were assumed.

NET EARNINGS is the after tax profit of the refinery.

EXPLANATION OF TABLE W-P-3a/b cont'd

The cash flow is determined by adding back depreciation to net earnings and providing for debt service on the 70% financing. This cash flow may be used by the home corporation to invest in capital expenditures, pay off debt, make up for other corporate loss areas.

Payout on the assessed value of the refinery is the number of years when the accumulated annual cash flow will equal (and subsequently exceed) the investment in the refinery. Obviously the shorter the payout period the more attractive the business.

DCF on plant investment is the discounted cash flow rate of return yielded by the cash flow from the original investment, which in this analysis is conservative because the interest expense is held constant over the fifteen year life of the facility, most DCF calculations do not include debt service, the depreciation used in straight line (better formulations exist for tax purposes), and most of the cost items are conservative high.

The higher the DCF value the better the return on the investment. A MORE INTERESTING CALCULATION IS THE RATE OF RETURN ON EQUITY. Since information on each refinery's financing and equity position was not available this calculation could not be made; it is of value because it indicates the return on the equity, the owners investment excluding the banks financing. In this instance it would be quite high.

TABLE V-P-3a

NORTH POLE REFINERY ESTIMATED INCOME STATEMENT  
1982

ITEM	M\$/DY	MM\$/YR	\$ B-PROD
PRODUCT REVENUE	553.03	201.86	41.64
CRUDE PURCHASES	388.65	141.86	29.27
GROSS MARGIN, MU % TO SALES	164.38	60.00 29.72	12.36
OPERATIONS	40.22	14.68	2.88
DEPRECIATION	7.31	2.67	0.55
INS/TAX @ 2 %	2.19	0.80	0.17
INTEREST, 11%	8.44	3.08	0.64
TOTAL OPER. COSTS	58.16	21.23	4.38
NET INCOME	106.22	38.77	8.00
TAXES @ 54 % F/S	57.36	20.94	4.32
INVESTMENT CREDITS	0.00	0.00	0.00
NET EARNINGS	48.86	17.83	3.68
DEPRECIATION	7.31	2.67	0.55
DEBT SERVICE	-5.11	-1.87	-0.39
CASH FLOW	51.05	18.63	3.84
payout \$ 40.00MM:plant		2.15	
DCF on plant at 15 years		46.42 %	
payout \$ 80.00MM:assets(plant+WC)		4.29	
DCF on plant and WC at 15 years		22.13 %	

TABLE V-P-3b

NORTH POLE REFINERY ESTIMATED INCOME STATEMENT 1981			
ITEM	M\$/DY	MM\$/YR	\$ per B-PROD
PRODUCT REVENUE	516.64	188.58	41.66
CRUDE PURCHASES	390.50	142.53	31.49
GROSS MARGIN, MU % TO SALES	126.14	46.04 24.42	10.17
OPERATIONS	38.65	14.11	2.96
DEPRECIATION	7.31	2.67	0.59
INS/TAX @ 2 %	2.19	0.80	0.18
INTEREST, 11%	8.44	3.08	0.68
TOTAL OPER. COSTS	56.59	20.65	4.56
NET INCOME	69.55	25.39	5.61
TAXES @ 54 % F/S	37.56	13.71	3.03
INVESTMENT CREDITS	0.00	0.00	0.00
NET EARNINGS	31.99	11.68	2.58
DEPRECIATION	7.31	2.67	0.59
DEBT SERVICE	-5.11	-1.87	-0.41
CASH FLOW	34.19	12.48	2.76
paycut \$ 40.00MM:plant		3.21	
DCF on plant at 15 years		30.63 %	
payout \$ 80.00MM:assets(plant+WC)		6.41	
DCF on plant and WC at 15 years		13.16 %	

EXPLANATION OF TABLE V-O-1a/b

Nikiski Refinery Gate Costs and "Rack" prices

This table provides the estimated basic raw material costs and product costs for the Nikiski refineries: Tesoro and Chevron. Tesoro unlike NPR does not have a public "refinery rack price" but offers a CTW price at its refinery and at the Tesoro terminal at the Anchorage Dock. The terminals at Anchorage therefore act as an extension of the refinery connected by the Nikiski pipeline. For this reason the profitability of the Nikiski refineries is determined by using the CTW prices at Anchorage for heating oils and the CTW prices plus Lundberg prices (Sept'1981+) for gasoline. This net back pricing reflects the behavior Tesoro as both refiner and wholesaler in Anchorage. The fact that Tesoro exchanges/trades/sells vast quantities of gasoline would mean that it is to their advantage to do so.

Crude Costs

ANS @NIK is the delivered cost to Nikiski of ANS crude oil after paying the TAPS tariff and the general purpose marine tariff from Valdez. The ANS is the weighted average of all the producers prices.

INDO@NIK is the delivered cost to Nikiski from Sanga Sanga by general purpose marine tanker of Tesoro's imported Indonesian crude oil.

Price used is the official price as reported in Tesoro FY reports.

COOK@NIK is the royalty oil price of Cook Inlet crude plus marine transport from the Drift River terminal to Nikiski.

KENI@NIK is the royalty oil price of Cook Inlet crude and available on the east side of the Inlet.

ASPHmix@ is the asphalt mix that Chevron imports from its California refinery(s) to Nikiski. The price is taken over the year as the summer season and represents a cutback asphalt price in California discounted (30 %) off of CTW price plus general purpose freight to Nikiski. Chevron only runs this in a batch mode so the prices are focused upon the summer.

EXPLANATION OF TABLE V-Q-1a/b cont'd

Product Prices Net Back to Refinery

All products produced by the refinery for use in Alaska were assumed to have the same net back price to the Nikiski refinery which was determined as follows.

Jet A-1 was the CTW posted price in Anchorage less the Nikiski pipeline tariff.

Jet B was the approximate awarded bid price by DFSC for JP-4.

#1 Oil was the CTW posted price in Anchorage less the Nikiski pipeline.

#2 Oil was the CTW posted price in Anchorage less the Nikiski pipeline.

REG LEAD was the CTW posted price in Anchorage less the Nikiski pipeline.

REG UNLD was the CTW posted price in Anchorage less the Nikiski pipeline.

1+%S FO6 was the U.S. average price paid for high sulfur No. 6 fuel oil less the marine transportation from Nikiski to California (typical of Chevron's residual oil).

BUNKER C was the California average CTW price for Bunker C fuel oil less the marine transportation from Nikiski to California.

ASPHALT was a building contractors price from the refinery.

TABLE V-Q-1b

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INPUT COSTS AT NIKISKI REFINERY GATE	\$/B											
	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
ANS @NIK	27.64	26.03	24.93	25.29	25.53	26.80	26.75	26.88	26.69	26.68	26.32	26.32
INDO@NIK	38.51	38.60	38.45	38.28	38.28	38.19	38.37	38.27	38.22	38.12	38.27	38.27
COOK@NIK	29.87	29.87	28.88	27.84	27.9	27.27	28.45	28.31	28.41	28.32	28.54	28.54
KENI@NIK	29.63	29.63	28.63	27.60	27.69	27.03	28.21	28.07	28.17	28.07	28.30	28.30
ASPHmix@	23.14	23.14	23.14	23.14	23.14	23.14	23.14	23.14	23.14	23.14	23.14	23.14

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PRODUCT PRICES NET BACK NIKISKI REFINERY	C/G											
JET A-1	118.55	118.36	118.29	114.01	113.34	113.56	113.56	113.56	113.56	113.97	114.93	115.06
JET B	101.60	101.60	101.60	101.60	101.60	101.60	101.60	101.60	101.60	101.60	101.60	101.60
#1 OIL	109.74	109.71	109.45	106.25	106.50	106.61	106.61	107.45	107.83	107.81	108.90	109.86
#2 OIL	103.74	103.71	101.11	99.26	99.00	99.11	99.11	99.11	99.33	99.31	100.10	100.61
REG LEAD	111.76	111.47	110.75	106.90	104.03	104.02	106.01	106.32	106.13	106.04	105.45	103.51
REG UNLD	116.41	116.12	115.43	111.58	108.64	108.50	110.42	110.59	110.41	110.33	109.74	107.81
.3%S FO6	75.12	71.80	70.23	70.77	69.03	63.41	68.08	65.35	68.61	68.71	68.56	68.56
1+%S FO6	55.05	52.59	52.37	52.81	56.58	57.1	54.04	57.11	57.35	56.13	55.13	55.13
BUNKER C	57.43	58.64	58.92	57.22	57.64	58.72	60.49	61.63	61.88	61.97	61.83	61.83
ASPHALT	96.14	96.14	96.14	96.14	96.14	96.14	96.14	96.14	96.14	96.14	96.14	96.14

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TABLE V-Q-1a

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INPUT COSTS AT NIKISKI REFINERY GATE											\$/B	
	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
ANS @NIK	27.61	32.32	32.29	31.81	30.56	29.92	29.85	29.33	28.73	28.82	28.72	28.54
INDO@NIK	38.77	38.97	38.90	38.89	38.80	38.70	38.58	38.46	38.42	38.26	38.40	38.28
COOK@NIK	32.58	32.58	32.04	31.83	31.83	31.23	31.21	30.52	30.51	30.18	30.18	30.69
KENI@NIK	32.36	32.36	31.82	31.61	31.61	31.01	30.99	30.30	30.29	29.96	29.96	30.47
ASPHmix@	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40	25.40
-----												
PRODUCT PRICES NET BACK NIKISKI REFINERY												C/G
JET A-1	105.30	111.50	115.75	118.36	118.36	118.36	118.36	118.36	118.36	118.36	116.36	118.36
JET B	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	101.60	101.60	101.60
#1 OIL	97.55	102.26	105.01	105.89	107.34	107.76	108.76	108.76	109.00	109.26	108.04	110.01
#2 OIL	91.75	97.26	100.01	100.89	102.34	102.76	103.76	103.76	103.76	103.76	102.13	104.01
REG LEAD	101.29	105.15	109.11	109.71	111.00	111.70	112.36	112.86	113.36	113.19	112.45	112.06
REG UNLD	104.23	110.35	114.31	114.91	116.20	116.78	116.86	117.36	118.66	118.24	117.47	117.09
.3%S F06	77.99	86.79	86.23	81.18	76.39	63.15	66.87	69.17	67.85	68.83	72.16	71.53
1+%S F06	65.73	65.17	66.63	63.78	64.86	56.76	57.49	58.57	55.69	56.21	58.78	57.22
BUNKER C	59.32	58.52	59.97	63.54	63.22	63.17	61.11	58.88	55.21	55.66	56.94	57.72
ASPHALT	83.38	83.38	83.38	83.38	83.38	83.38	83.38	83.38	83.38	83.38	83.38	83.38
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TABLE V-R-1a

REVENUE TESORO REFINERY 1982, M\$	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
JET A-1	19448	17566	19437	18129	18623	18058	18660	18660	18058	18726	18275	18906
JET B	1310	1183	1310	1267	1310	1267	1310	1310	1267	1310	1267	1310
#2 OIL	5281	4769	5147	4890	5040	4883	5046	5046	4894	5056	4931	5122
REG LEAD	11166	10059	11065	10335	10393	10057	10591	10622	10261	10594	10195	10342
REG UNLD	5815	5239	5766	5394	5427	5245	5516	5524	5337	5511	5305	5386
.3%S F06	11553	10654	11852	11139	11594	11432	12169	12398	12046	12466	12037	12438
REV/MO	54573	49470	54577	51154	52386	50942	53291	53560	51863	53664	52011	53503
REV/DY	1760	1767	1761	1705	1690	1698	1719	1728	1729	1731	1734	1726
REV \$/B	39.58	39.72	39.58	38.34	37.99	38.18	38.65	38.84	38.87	38.92	38.98	38.80
-----												
INPUT COSTS AT TESORO REFINERY, M\$												
ANS @NIK	4645	3951	4189	4113	4290	4358	4495	4517	4340	4483	4280	4423
INDO@NIK	3044	2756	3039	2929	3026	2921	3033	3025	2924	3014	2928	3025
COOK@NIK	25075	22645	24239	22618	23449	22150	23880	23767	23082	23768	23183	23956
KENI@NIK	9325	8421	9011	8406	8715	8231	8877	8835	8580	8835	8618	8905
INPUT/MO	42089	37773	40479	38065	39481	37660	40280	40144	38927	40100	39009	40309
INPUT/DY	1358	1349	1306	1269	1274	1255	1300	1295	1298	1294	1300	1300
INPUT\$/B	30.52	30.33	29.36	28.53	28.63	28.22	29.22	29.11	29.17	29.08	29.23	29.23
-----												
PRODUCT MARK-UP AT TESORO REFINERY, M\$												
GROSS MU	12484	11697	14097	13089	12905	13282	13005	13416	12937	13564	13002	13194
\$MU/DY	403	418	455	436	416	443	420	433	431	438	433	426
\$MU/B	9.05	9.39	10.22	9.81	9.36	9.95	9.43	9.73	9.69	9.84	9.74	9.57
-----												

TABLE V-R-1b

## REVENUE TESORO REFINERY 1981, M\$

	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
JET A-1	13367	12785	14694	14541	15025	14541	15025	15025	14541	15025	14541	15025
JET B	812	733	812	786	812	786	812	812	786	833	807	833
#2 OIL	4145	3969	4518	4411	4624	4493	4688	4688	4537	4688	4465	4699
REG LEAD	9258	8680	9973	9704	10145	9980	10270	10316	10027	10346	9947	10243
REG UNLD	4763	4555	5224	5082	5310	5165	5341	5363	5248	5404	5195	5351
.3%S F06	15393	15472	17020	15508	15077	12062	13199	13653	12961	13586	13783	14118
REV/MO	47739	46195	52241	50031	50994	46926	49335	49857	48099	49882	48738	50270
REV/DY	1540	1650	1685	1668	1645	1564	1591	1608	1603	1609	1625	1622
REV \$/B	38.95	41.73	42.62	42.18	41.60	39.56	40.25	40.68	40.55	40.70	41.09	41.01

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## INPUT COSTS AT TESORO REFINERY, M\$

ANS @NIK	4125	4362	4824	4599	4566	4326	4460	4382	4154	4306	4153	4264
INDO@NIK	3365	3055	3376	3267	3368	3251	3349	3339	3227	3321	3225	3323
COOK@NIK	21092	19051	20743	19941	20608	19564	20207	19760	19115	19536	18907	19868
KENI@NIK	11713	10579	11518	11072	11442	10861	11218	10968	10610	10843	10494	11029
INPUT/MO	40295	37047	40461	38880	39984	38002	39233	38449	37106	38006	36779	38484
INPUT/DY	1300	1323	1305	1296	1290	1267	1266	1240	1237	1226	1226	1241
INPUT \$/B	32.87	33.46	33.01	32.78	32.62	32.04	32.01	31.37	31.28	31.01	31.01	31.40

## PRODUCT MARK-UP AT TESORO REFINERY, M\$

MU/MO	7443	9148	11780	11152	11010	8923	10102	11408	10994	11877	11959	11786
MU/DY	240	327	380	372	355	297	326	368	366	383	399	380
MU, \$/B	6.07	8.26	9.61	9.40	8.98	7.52	8.24	9.31	9.27	9.69	10.08	9.62

TABLE V-R-2a

## TESORO REFINERY PRODUCT/CRUDE SUMMARY 1982

PRODUCT	VOL %	BPCD	ave. \$/B	MU \$/B	REV. MM\$/Y	% REV.
JET A-1	28.37	12620	48.32	19.10	222.54	35.27
JET B	2.23	990	42.67	13.46	15.42	2.44
#2 OIL	8.79	3910	42.12	12.91	60.10	9.53
REG LEAD	17.25	7673	44.88	15.67	125.68	19.92
REG UNLD	8.63	3837	46.76	17.54	65.47	10.38
.3%S FO6	34.73	15450	25.14	-4.08	141.78	22.47
SUMMARY	100.00	44480	30.37	9.65	630.99	100.00
INPUTS	% CHARGE	BPCD	ave \$/B	+/- ave.	COST MM\$/Y	% COST
ANS @NIK	11.99	5420	26.33	-2.42	52.08	10.98
INDO@NIK	5.64	2550	38.32	9.57	35.66	7.52
COOK@NIK	59.91	27078	28.51	-0.24	281.81	59.41
KENI@NIK	22.46	10152	28.27	-0.48	104.76	22.09
SUMMARY	100.00	45200	28.75		474.32	100.00

TABLE V-R-2b

## TESORO REFINERY PRODUCT/CRUDE SUMMARY 1981

PRODUCT	VOL %	BPCD	ave. \$/B	MU \$/B	REV. MM\$/Y	% REV.
JET A-1	24.66	9750	48.92	16.86	174.14	29.50
JET B	1.59	630	41.85	9.79	9.62	1.63
#2 OIL	8.78	3470	42.57	10.50	53.93	9.14
REG LEAD	17.75	7029	46.35	14.29	118.79	20.12
REG UNLD	8.88	3510	48.39	16.32	62.00	10.50
.3%S FO6	38.34	15160	25.00	-7.06	171.83	29.11
SUMMARY	100.00	39540	40.90	8.84	590.31	100.00
INPUTS	% CHARGE	BPCD	ave \$/B	+/- ave.	COST MM\$/Y	% COST
ANS @NIK	12.00	4820	29.85	-1.70	52.52	11.35
INDO@NIK	6.97	2800	38.62	7.06	39.47	8.53
COOK@NIK	51.98	20884	31.27	-0.28	238.39	51.52
KENI@NIK	29.06	11676	31.05	-0.50	132.35	28.60
SUMMARY	100.00	40180	31.55		462.73	100.00

TABLE V-R-3a

TESORO REFINERY ESTIMATED INCOME STATEMENT  
1982

ITEM	M\$/DY	MM\$/YR	\$ B-PROD
PRODUCT REVENUE	1728.75	630.99	38.87
CRUDE PURCHASES	1299.51	474.32	29.22
GROSS MARGIN, MU % TO SALES	429.24	156.67 24.83	9.65
OPERATIONS	61.47	22.44	1.36
DEPRECIATION	18.57	6.78	0.42
INS/TAX @ 2 %	5.57	2.03	0.13
INTEREST, 11%	13.00	4.75	0.29
TOTAL OPER. COSTS	98.62	36.00	2.22
NET INCOME	330.62	120.68	7.43
TAXES @ 54 % F/S	178.53	65.17	4.01
INVESTMENT CREDITS	0.00	0.00	0.00
NET EARNINGS	152.08	55.51	3.42
DEPRECIATION	18.57	6.78	0.42
DEBT SERVICE	-13.00	-4.75	-0.29
CASH FLOW	157.66	57.54	3.54
RETURN ON INVESTMENT:			
payout \$ 101.69MM:plant		1.77 years	
DCF on plant at 15 years		57 %	
payout \$ 203.40MM:assets(plant+WC)		3.53 years	
DCF on plant and WC at 15 years		28 %	

TABLE V-R-3b

TESORO REFINERY ESTIMATED INCOME STATEMENT  
1981

ITEM	M\$/DY	MM\$/YR	\$ per B-PROD
PRODUCT REVENUE	1617.28	490.31	40.90
CRUDE PURCHASES	1267.74	462.73	32.06
GROSS MARGIN, MU % TC SALES	349.54	127.58 21.61	8.84
OPERATIONS	51.43	18.77	1.28
DEPRECIATION	18.57	6.78	0.47
INS/TAX @ 2 %	5.57	2.03	0.14
INTEREST, 11%	21.45	7.83	0.54
TOTAL OPER. COSTS	97.03	35.42	2.45
NET INCOME	252.51	92.17	6.39
TAXES @ 54 % F/S	136.36	49.77	3.45
INVESTMENT CREDITS	0.00	0.00	0.00
NET EARNINGS	116.15	42.40	2.94
DEPRECIATION	18.57	6.78	0.47
DEBT SERVICE	-13.00	-4.75	-0.33
CASH FLOW	121.73	44.43	3.08
RETURN ON INVESTMENT:			
payout \$ 101.69MM:plant		2.29	
DCF on plant at 15 years		43.50 %	
payout \$ 203.40MM:assets(plant+WC)		4.58	
DCF on plant and WC at 15 years		20.50 %	

TABLE V-S-1a

REVENUE CHEVRON REFINERY 1982, M\$												
	JAN82	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC82
JET A-1	3467	3132	3465	3232	3320	3219	3327	3327	3219	3339	3258	3371
JET B	1098	992	1098	1063	1098	1063	1098	1098	1063	1098	1063	1098
#1 OIL	0	0	0	0	0	0	0	0	0	0	0	0
#2 OIL	959	866	935	888	915	887	916	916	889	918	895	930
1+%S FO6	5913	5102	5625	5490	6078	5940	5804	6135	5962	6029	5731	5922
ASPHALT	889	803	869	860	869	860	889	889	860	889	860	889
REV/MO	12326	10894	12012	11533	12300	11969	12034	12365	11993	12272	11807	12210
REV/DY	398	389	387	384	397	399	388	399	400	396	394	394
REV \$/B	31.19	30.52	30.39	30.15	31.12	31.29	30.45	31.28	31.35	31.05	30.87	30.89
INPUT COSTS AT CHEVRON REFINERY, M\$												
ANS @NIK	10112	8601	9121	8954	9340	9488	9786	9834	9450	9760	9313	9629
COOK@NIK	0	0	0	0	0	0	0	0	0	0	0	0
KENI@NIK	0	0	0	0	0	0	0	0	0	0	0	0
ASPHmix@	1273	1150	1273	1232	1273	1232	1273	1273	1232	1273	1232	1273
INPUT/MO	11385	9752	10394	10186	10613	10721	1106	11107	10682	11033	10550	10902
INPUT/DY	367	348	335	340	342	357	357	358	356	356	352	352
INPUT\$/B	28.81	27.32	26.30	26.63	26.85	28.03	27.98	28.10	27.93	27.91	27.58	27.58
PRODUCT MARK-UP AT CHEVRON REFINERY, M\$												
GROSS MU	941	1143	1618	1347	1686	1248	974	1257	1311	1239	1257	1308
\$MU/DY	30.36	40.82	52.20	44.89	54.40	41.61	31.43	40.56	43.69	39.98	41.90	42.18
\$MU/B	2.38	3.20	4.09	3.52	4.27	3.26	2.47	3.18	3.43	3.14	3.29	3.31

TABLE V-S-1b

REVENUE CHEVRON REFINERY 1981, M\$												
	JAN81	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC81
JET A-1	3112	2977	3421	3385	3498	3385	3498	3498	3385	3498	3385	3498
JET B	1109	1001	1109	1073	1109	1073	1109	1109	1073	1138	1101	1138
#1 OIL	0	0	0	0	0	0	0	0	0	0	0	0
#2 OIL	884	846	964	941	986	958	1000	1000	967	1000	952	1002
1+%S F06	7462	6683	7565	7008	7364	6237	6527	6650	6119	6382	6458	6496
ASPHALT	684	618	684	662	684	662	684	684	662	684	662	684
REV/MO	13251	12125	13742	13068	13641	12315	12817	12940	12206	12702	12558	12818
REV/DY	427	433	443	436	440	411	413	417	407	410	419	413
REV \$/B	32.33	32.76	33.53	32.95	33.29	31.05	31.28	31.58	30.78	30.99	31.67	31.28
INPUT COSTS AT CHEVRON REFINERY, M\$												
ANS @NIK	10526	11130	12311	11737	11651	11039	11381	11182	10600	10988	10597	10881
COOK@NIK	0	0	0	0	0	0	0	0	0	0	0	0
KENI@NIK	0	0	0	0	0	0	0	0	0	0	0	0
ASPHmix@	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417	1417
INPUT/MO	11943	12547	13728	13154	13069	12457	12798	12600	12017	12405	12014	12298
INPUT/DY	385	448	443	438	422	415	413	406	401	400	400	397
INPUT\$/B	29.14	33.70	33.50	33.17	31.89	31.41	31.23	30.74	30.30	30.27	30.29	30.01
PRODUCT MARK-UP AT CHEVRON REFINERY, M\$												
MU/MO	1308	-422	14	-86	572	-142	20	341	189	296	545	520
MU/DY	42.18	-15.09	0.45	-2.85	18.46	-4.72	0.63	11.00	6.29	9.56	18.16	16.76
MU, \$/B	3.19	-1.14	0.03	-0.22	1.40	-0.36	0.05	0.83	0.48	0.72	1.37	1.27

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TABLE V-3-2a

## CHEVRON REFINERY PRODUCT/CRUDE SUMMARY 1982

PRODUCT	VOL %	BPCD	ave. \$/B	MJ \$/B	REV.. MM\$/Y	% REV.
JET A-1	17.65	2250	48.32	20.73	39.68	27.61
JET B	6.51	830	42.67	15.08	12.93	9.00
#1 OIL	0.00	0	0.00	0.00	0.00	0.00
#2 OIL	5.57	710	42.12	14.54	10.91	7.59
1+%S F06	64.71	8250	23.15	-4.44	69.73	48.52
ASPHALT	5.57	710	40.38	12.79	10.46	7.28
SUMMARY	100.00	12750	30.88	3.29	143.71	100.00
INPUTS	% CHARGE	BPCD	ave \$/B	+/- ave.	COST MM\$/Y	% COST
ANS @NIK	86.92	11800	26.33	0.42	113.39	88.32
COOK@NIK	0.00	0	0.00	0.00	0.00	0.00
KENI@NIK	0.00	0	0.00	0.00	0.00	0.00
ASPHmix@	13.08	1775	23.14	-2.77	14.99	11.68
SUMMARY	100.00	13575	25.91		128.38	100.00

TABLE V-S-2b

## CHEVRON REFINERY PRODUCT/CRUDE SUMMARY 1981

PRODUCT	VOL %	BPCD	ave. \$/B	MU \$/B	REV. MM\$/Y	% REV.
JET A-1	17.17	2270	48.92	17.62	40.54	26.29
JET B	6.51	860	41.85	10.55	13.14	8.52
#1 OIL	0.00	0	0.00	0.00	0.00	0.00
#2 OIL	5.60	740	42.57	11.27	11.50	7.46
1+%S FO6	65.96	8720	25.44	-5.86	80.95	52.50
ASPHALT	4.77	630	35.02	3.72	8.05	5.22
SUMMARY	100.00	13220	31.95	0.65	154.18	100.00
INPUTS	% CHARGE	BPCD	ave \$/B	+/- ave.	COST MM\$/Y	% COST
ANS @NIK	87.23	12300	29.85	0.51	134.02	88.74
COOK@NIK	0.00	0	0.00	0.00	0.00	0.00
KENI@NIK	0.00	0	0.00	0.00	0.00	0.00
ASPHmix@	12.77	1800	25.88	-3.46	17.00	11.26
SUMMARY	100.00	14100	29.35		151.03	100.00

TABLE V-S-3a

CHEVRON REFINERY ESTIMATED INCOME STATEMENT  
1982

ITEM	M\$/DY	MM\$/YR	\$ B-PROD
PRODUCT REVENUE	393.74	143.71	30.88
CRUDE PURCHASES	351.74	128.38	27.59
GROSS MARGIN, MU % TO SALES	42.00	15.33 10.67	3.29
OPERATIONS	11.54	4.21	0.85
DEPRECIATION	0.00	0.00	0.00
INS/TAX @ 2 %	1.22	0.45	0.10
INTEREST, 11%	0.00	0.00	0.00
TOTAL OPER. COSTS	12.76	4.66	1.00
NET INCOME	29.24	10.67	2.29
TAXES @ 54 % F/S	15.79	5.76	1.24
INVESTMENT CREDITS	0.00	0.00	0.00
NET EARNINGS	13.45	4.91	1.05
DEPRECIATION	0.00	0.00	0.00
DEBT SERVICE	0.00	0.00	0.00
CASH FLOW	13.45	4.91	1.05
hypothetical....this plant is already amortized			
payout \$ 22.34MM:plant:		4.55 years	
DCF on plant at 15 years		21 %	
payout \$ 44.68MM:assets(plant+WC)		9.10 years	
DCF on plant and WC at 15 years		7 %	

TABLE V-S-3b

CHEVRON REFINERY ESTIMATED INCOME STATEMENT  
1981

ITEM	M\$/DY	MM\$/YR	\$ per B-PROD
PRODUCT REVENUE	422.42	154.18	31.95
CRUDE PURCHASES	413.78	151.03	31.30
GROSS MARGIN, MU % TO SALES	8.64	3.15 2.05	0.65
OPERATIONS	11.28	4.12	0.80
DEPRECIATION	0.00	0.00	0.00
INS/TAX @ 2 %	1.22	0.45	0.09
INTEREST, 11%	0.00	0.00	0.00
TOTAL OPER. COSTS	12.50	4.56	0.95
NET INCOME	-3.86	-1.41	-0.29
TAXES @ 54 % F/S	0.00	0.00	0.00
INVESTMENT CREDITS	0.00	0.00	0.00
NET EARNINGS	-3.36	-1.41	-0.29
DEPRECIATION	0.00	0.00	0.00
DEBT SERVICE	0.00	0.00	0.00
CASH FLOW	-3.86	-1.41	-0.29
hypothetical....this plant is already amortized			
payout \$ 22.34MM:plant		NA years	
DCF on plant at 15 years		NA %	
payout \$ 44.68MM:assets(plant+WC)		NA years	
DCF on plant and WC at 15 years		NA %	