

Petroleum Products Balances in East Asia (1)
(Base Case)

	2000 (Actual)							2006 (Base Case)					2010 (Base Case)					
	Demand (share)	2000/80	Production (share)	2000/80	Net Export	Demand (share)	06/00	Production (share)	06/00	Net Export	Demand (share)	10/06	Production (share)	10/06	Net Export			
	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d			
China																		
Products Total	4,210 (100.0)	5.3	3,994 (100.0)	4.8	-216	5,446 (100.0)	4.4	4,640 (100.0)	2.5	-806	6,495 (100.0)	4.5	5,440 (100.0)	4.1	-1,055			
Gasoline	723 (17.2)	6.3	850 (21.3)	6.7	127	1,007 (18.5)	5.7	1,007 (21.7)	2.9	0	1,279 (19.7)	6.1	1,244 (22.9)	5.4	-35			
Naphtha	441 (10.5)	12.2	441 (11.0)	10.8	0	666 (12.2)	7.1	570 (12.3)	4.4	-96	838 (12.9)	5.9	707 (13.0)	5.5	-131			
Kero/Jet	177 (4.2)	4.3	180 (4.5)	3.9	3	245 (4.5)	5.6	186 (4.0)	0.5	-59	308 (4.7)	5.9	218 (4.0)	4.1	-90			
Gas oil	1,380 (32.8)	7.2	1,443 (36.1)	6.9	63	1,830 (33.6)	4.8	1,624 (35.0)	2.0	-206	2,199 (33.9)	4.7	1,904 (35.0)	4.1	-295			
Heavy Fuel	735 (17.4)	1.1	411 (10.3)	-1.9	-324	787 (14.5)	1.2	464 (10.0)	2.1	-323	835 (12.9)	1.5	544 (10.0)	4.1	-291			
Fuel Oil Total	3,455 (82.1)	5.1	3,324 (83.2)	4.6	-131	4,536 (83.3)	4.6	3,851 (83.0)	2.5	-685	5,459 (84.0)	4.7	4,617 (84.9)	4.6	-842			
LPG	479 (11.4)	11.9	373 (9.3)	10.5	-107	610 (11.2)	4.1	464 (10.0)	3.7	-146	710 (10.9)	3.9	442 (8.1)	-1.2	-267			
Other Products	276 (6.6)	2.5	298 (7.5)	2.8	22	300 (5.5)	1.4	325 (7.0)	1.5	25	327 (5.0)	2.2	381 (7.0)	4.1	54			
CDU capacity	5,000 thou.b/d	Oper. Rate: 79.9 %					5,800 thou.b/d	Oper. Rate: 80.0 %					6,400 thou.b/d	Oper. Rate: 85.0 %				
Hong Kong																		
Products Total	245 (100.0)	3.3	0 (0.0)	0.0	-245	266 (100.0)	1.4	0 (0.0)	0.0	-266	284 (100.0)	1.7	0 (0.0)	0.0	-284			
Gasoline	9 (3.5)	3.8	0 (0.0)	0.0	-9	11 (4.0)	3.8	0 (0.0)	0.0	-11	12 (4.2)	2.7	0 (0.0)	0.0	-12			
Naphtha	12 (5.0)	9.3	0 (0.0)	0.0	-12	12 (4.6)	0.0	0 (0.0)	0.0	-12	12 (4.3)	0.0	0 (0.0)	0.0	-12			
Kero/Jet	57 (23.2)	5.7	0 (0.0)	0.0	-57	59 (22.1)	0.6	0 (0.0)	0.0	-59	60 (21.2)	0.7	0 (0.0)	0.0	-60			
Gas oil	120 (49.1)	9.0	0 (0.0)	0.0	-120	129 (48.4)	1.1	0 (0.0)	0.0	-129	138 (48.6)	1.8	0 (0.0)	0.0	-138			
Heavy Fuel	40 (16.4)	-3.3	0 (0.0)	0.0	-40	48 (18.0)	3.0	0 (0.0)	0.0	-48	54 (18.9)	3.0	0 (0.0)	0.0	-54			
Fuel Oil Total	238 (97.2)	3.3	0 (0.0)	0.0	-238	258 (97.2)	1.4	0 (0.0)	0.0	-258	277 (97.2)	1.7	0 (0.0)	0.0	-277			
LPG	4 (1.6)	2.4	0 (0.0)	0.0	-4	4 (1.6)	1.0	0 (0.0)	0.0	-4	4 (1.6)	1.3	0 (0.0)	0.0	-4			
Other Products	3 (1.2)	2.3	0 (0.0)	0.0	-3	3 (1.2)	1.3	0 (0.0)	0.0	-3	3 (1.2)	1.7	0 (0.0)	0.0	-3			
CDU capacity	0 thou.b/d	Oper. Rate: 0.0 %					0 thou.b/d	Oper. Rate: 0.0 %					0 thou.b/d	Oper. Rate: 0.0 %				
Chinese Taipei																		
Products Total	821 (100.0)	3.7	770 (100.0)	3.9	-51	862 (100.0)	0.8	921 (100.0)	3.0	59	932 (100.0)	2.0	1,159 (100.0)	5.9	227			
Gasoline	151 (18.4)	8.1	115 (14.9)	6.5	-36	177 (20.6)	2.7	192 (20.9)	9.0	15	201 (21.5)	3.1	251 (21.7)	6.9	51			
Naphtha	71 (8.6)	4.2	40 (5.1)	2.1	-31	182 (21.1)	17.1	182 (19.8)	29.0	0	200 (21.5)	2.4	232 (20.0)	6.2	32			
Kero/Jet	46 (5.6)	7.2	42 (5.5)	4.8	-4	59 (6.9)	4.2	59 (6.4)	5.9	0	67 (7.2)	3.2	92 (8.0)	11.8	25			
Gas oil	109 (13.3)	3.7	135 (17.5)	3.9	26	112 (13.0)	0.4	148 (16.1)	1.6	36	123 (13.2)	2.4	235 (20.3)	12.2	112			
Heavy Fuel	320 (38.9)	1.6	273 (35.4)	2.0	-47	208 (24.1)	-7.0	132 (14.3)	-11.4	-75	209 (22.5)	0.2	174 (15.0)	7.1	-35			
Fuel Oil Total	697 (84.9)	3.4	605 (78.5)	3.2	-93	738 (85.7)	1.0	714 (77.5)	2.8	-24	800 (85.9)	2.0	985 (85.0)	8.4	184			
LPG	61 (7.5)	3.8	48 (6.2)	3.1	-13	58 (6.7)	-1.0	115 (12.5)	15.7	57	59 (6.3)	0.4	59 (5.0)	-15.5	0			
Other Products	63 (7.7)	10.0	117 (15.3)	14.2	55	66 (7.6)	0.8	92 (10.0)	-4.0	26	73 (7.8)	2.6	116 (10.0)	5.9	43			
CDU capacity	925 thou.b/d	Oper. Rate: 83.3 %					1,220 thou.b/d	Oper. Rate: 75.5 %					1,220 thou.b/d	Oper. Rate: 95.0 %				
Korea																		
Products Total	2,161 (100.0)	7.3	2,516 (100.0)	8.3	355	2,432 (100.0)	2.0	2,613 (100.0)	0.6	181	2,603 (100.0)	1.7	2,613 (100.0)	0.0	9			
Gasoline	157 (7.2)	11.5	203 (8.1)	13.0	47	203 (8.4)	4.4	209 (8.0)	0.5	6	242 (9.3)	4.5	209 (8.0)	0.0	-33			
Naphtha	580 (26.8)	12.6	422 (16.8)	11.0	-158	611 (25.1)	0.9	470 (18.0)	1.8	-141	636 (24.4)	1.0	470 (18.0)	0.0	-166			
Kero/Jet	257 (11.9)	10.9	393 (15.6)	12.6	136	272 (11.2)	0.9	352 (13.5)	-1.8	80	280 (10.8)	0.7	377 (14.4)	1.7	97			
Gas oil	386 (17.8)	6.3	645 (25.6)	9.1	259	453 (18.6)	2.7	694 (26.5)	1.2	241	502 (19.3)	2.6	710 (27.2)	0.6	208			
Heavy Fuel	514 (23.8)	2.9	653 (26.0)	4.6	139	570 (23.4)	1.7	688 (26.3)	0.9	118	585 (22.5)	0.6	653 (25.0)	-1.3	68			
Fuel Oil Total	1,893 (87.6)	6.8	2,318 (92.1)	8.1	424	2,108 (86.7)	1.8	2,413 (92.4)	0.7	304	2,245 (86.2)	1.6	2,420 (92.6)	0.1	175			
LPG	212 (9.8)	13.3	119 (4.7)	10.5	-93	253 (10.4)	3.0	183 (7.0)	7.4	-70	277 (10.6)	2.2	183 (7.0)	0.0	-94			
Other Products	56 (2.6)	10.5	80 (3.2)	12.2	24	70 (2.9)	3.9	17 (0.6)	-22.9	-53	82 (3.1)	3.9	10 (0.4)	-12.0	-72			
CDU capacity	2,750 thou.b/d	Oper. Rate: 91.5 %					2,750 thou.b/d	Oper. Rate: 95.0 %					2,750 thou.b/d	Oper. Rate: 95.0 %				
Singapore																		
Products Total	680 (100.0)	6.3	730 (100.0)	0.7	50	818 (100.0)	3.1	1,206 (100.0)	8.7	387	930 (100.0)	3.3	1,206 (100.0)	0.0	276			
Gasoline	14 (2.1)	3.2	85 (11.6)	1.0	71	15 (1.9)	1.4	145 (12.0)	9.3	129	16 (1.7)	1.0	145 (12.0)	0.0	129			
Naphtha	54 (8.0)	20.2	85 (11.6)	3.1	30	92 (11.2)	9.1	144 (12.0)	9.3	53	108 (11.6)	4.2	121 (10.0)	-4.4	13			
Kero/Jet	49 (7.2)	4.8	141 (19.3)	-0.4	92	55 (6.7)	1.9	145 (12.0)	0.4	90	62 (6.6)	3.0	121 (10.0)	-4.5	59			
Gas oil	81 (12.0)	6.2	241 (33.0)	3.0	159	94 (11.5)	2.5	413 (34.3)	9.4	319	104 (11.2)	2.5	422 (35.0)	0.5	318			
Heavy Fuel	455 (66.9)	6.3	86 (11.8)	-4.3	-369	527 (64.4)	2.5	241 (20.0)	18.7	-286	596 (64.1)	3.1	241 (20.0)	0.0	-355			
Fuel Oil Total	654 (96.2)	6.4	638 (87.4)	0.2	-17	783 (95.8)	3.0	1,088 (90.2)	9.3	305	887 (95.3)	3.1	1,049 (87.0)	-0.9	162			
LPG	15 (2.2)	4.8	30 (4.1)	11.1	15	23 (2.9)	7.7	33 (2.8)	1.7	10	31 (3.4)	7.6	72 (6.0)	21.4	41			
Other Products	11 (1.6)	2.7	62 (8.5)	5.0	51	11 (1.4)	0.8	84 (7.0)	5.2	73	12 (1.3)	1.5	84 (7.0)	0.0	72			
CDU capacity	1,269 thou.b/d	Oper. Rate: 57.5 %					1,269 thou.b/d	Oper. Rate: 95.0 %					1,269 thou.b/d	Oper. Rate: 95.0 %				

Petroleum Products Balances in East Asia (2)
(Base case)

	2000 (Actual)							2006 (Base Case)							2010 (Base Case)					
	Demand (share)	2000/80	Production (share)	2000/80	Net Export	Demand (share)	06/00	Production (share)	06/00	Net Export	Demand (share)	10/06	Production (share)	10/06	Net Export					
	thou.b/d	%	thou.b/d	%	thou.b/d	thou.b/d	%	thou.b/d	%	thou.b/d	thou.b/d	%	thou.b/d	%	thou.b/d					
Brunel																				
Products Total	10 (100.0)	4.7	10 (100.0)	25.0	0	13 (100.0)	3.5	11 (100.0)	0.6	-2	14 (100.0)	2.1	11 (100.0)	0.0	-3					
Gasoline	4 (39.8)	5.4	4 (38.1)		0	5 (37.6)	2.5	4 (40.0)	1.5	0	5 (37.2)	1.8	4 (40.0)	0.0	-1					
Naphtha	0 (1.2)	-1.4	0 (1.2)		0	0 (0.9)	0.0	0 (1.1)	0.0	0	0 (0.9)	0.0	0 (1.1)	0.0	0					
Kero/Jet	1 (14.2)	5.3	2 (15.0)		0	2 (15.5)	5.0	0 (0.0)	-100.0	-2	2 (16.7)	4.1	0 (0.0)	0.0	-2					
Gas oil	3 (24.3)	2.0	3 (28.3)		0	3 (27.5)	5.7	3 (25.0)	-1.4	-1	4 (27.7)	2.4	3 (25.0)	0.0	-1					
Heavy Fuel	0 (0.2)	0.0	0 (0.2)		0	0 (0.2)	0.0	0 (1.0)	32.5	0	0 (0.1)	0.0	0 (1.0)	0.0	0					
Fuel Oil Total	8 (79.6)	3.9	9 (82.7)		0	10 (81.7)	3.9	7 (67.1)	-2.8	-3	11 (82.6)	2.4	7 (67.1)	0.0	-4					
LPG	2 (17.3)	14.4	2 (17.3)	14.5	0	2 (15.0)	1.1	4 (32.9)	12.0	2	2 (14.1)	0.5	4 (32.9)	0.0	2					
Other Products	0 (3.1)	3.5	0 (0.0)		0	0 (3.3)	4.6	0 (0.0)	0.0	0	0 (3.3)	2.3	0 (0.0)	0.0	0					
CDU capacity	9 thou.b/d	Oper. Rate: 120.9 %				9 thou.b/d	Oper. Rate: 125.6 %				9 thou.b/d	Oper. Rate: 125.6 %								
Indonesia																				
Products Total	1,048 (100.0)	4.7	994 (100.0)	5.2	-54	1,297 (100.0)	3.6	1,073 (100.0)	1.3	-224	1,451 (100.0)	2.9	1,273 (100.0)	4.4	-178					
Gasoline	196 (18.7)	6.1	178 (17.9)	7.3	-19	239 (18.4)	3.3	195 (18.2)	1.6	-44	276 (19.0)	3.7	217 (17.1)	2.7	-59					
Naphtha	7 (0.7)		44 (4.4)		37	9 (0.7)	4.2	49 (4.5)	1.6	40	11 (0.8)	6.0	83 (6.5)	14.1	71					
Kero/Jet	224 (21.4)	2.3	179 (18.0)	4.8	-45	289 (22.3)	4.3	196 (18.2)	1.5	-94	324 (22.3)	2.9	225 (17.7)	3.5	-99					
Gas oil	416 (39.7)	5.7	289 (29.1)	8.8	-127	511 (39.4)	3.5	349 (32.6)	3.2	-162	571 (39.3)	2.8	412 (32.4)	4.2	-159					
Heavy Fuel	152 (14.5)	4.4	219 (22.1)	1.2	67	187 (14.4)	3.5	187 (17.4)	-2.6	0	203 (14.0)	2.1	222 (17.4)	4.3	19					
Fuel Oil Total	996 (95.0)	4.6	909 (91.5)	5.0	-86	1,236 (95.3)	3.7	976 (91.0)	1.2	-259	1,385 (95.4)	2.9	1,159 (91.0)	4.4	-227					
LPG	38 (3.6)	12.3	57 (5.7)	6.8	19	47 (3.6)	3.5	75 (7.0)	4.8	29	52 (3.6)	2.7	89 (7.0)	4.3	37					
Other Products	14 (1.4)	5.4	28 (2.8)	8.8	13	14 (1.1)	0.0	21 (2.0)	-4.1	7	14 (1.0)	0.0	25 (2.0)	4.4	11					
CDU capacity	1,065 thou.b/d	Oper. Rate: 93.3 %				1,073 thou.b/d	Oper. Rate: 100.0 %				1,273 thou.b/d	Oper. Rate: 100.0 %								
Malaysia																				
Products Total	420 (100.0)	4.9	452 (100.0)	7.1	32	519 (100.0)	3.6	489 (100.0)	1.3	-29	622 (100.0)	4.7	489 (100.0)	0.0	-133					
Gasoline	128 (30.4)	8.1	78 (17.2)	7.3	-50	166 (32.0)	4.5	91 (18.6)	2.6	-75	194 (31.2)	4.0	110 (22.4)	4.8	-85					
Naphtha	0 (0.0)		0 (0.0)		0	0 (0.0)		0 (0.0)		0	0 (0.0)		0 (0.0)		0					
Kero/Jet	34 (8.1)	5.2	58 (12.9)	9.7	24	43 (8.3)	4.0	52 (10.6)	-1.9	9	50 (8.1)	4.1	44 (9.0)	-4.0	-6					
Gas oil	161 (38.3)	5.5	162 (35.9)	7.9	1	208 (40.2)	4.4	196 (40.0)	3.2	-13	254 (40.8)	5.1	196 (40.0)	0.0	-58					
Heavy Fuel	53 (12.5)	-0.5	51 (11.2)	0.6	-2	54 (10.3)	0.3	58 (11.8)	2.2	4	66 (10.6)	5.3	47 (9.6)	-5.0	-19					
Fuel Oil Total	375 (89.4)	4.6	349 (77.2)	6.0	-27	471 (90.8)	3.9	396 (81.0)	2.2	-75	565 (90.8)	4.6	396 (81.0)	0.0	-168					
LPG	32 (7.7)	11.2	51 (11.3)	14.3	19	30 (5.7)	-1.3	49 (10.0)	-0.8	19	35 (5.7)	4.3	49 (10.0)	0.0	14					
Other Products	12 (3.0)	4.3	52 (11.5)	15.9	39	18 (3.4)	6.1	44 (9.0)	-2.7	26	22 (3.6)	5.8	44 (9.0)	0.0	22					
CDU capacity	515 thou.b/d	Oper. Rate: 87.8 %				515 thou.b/d	Oper. Rate: 95.1 %				515 thou.b/d	Oper. Rate: 95.1 %								
Philippines																				
Products Total	328 (100.0)	1.8	310 (100.0)	2.6	-18	399 (100.0)	3.3	399 (100.0)	4.3	0	489 (100.0)	5.2	399 (100.0)	0.0	-90					
Gasoline	57 (17.4)	3.8	43 (14.0)	2.0	-14	80 (20.2)	5.8	60 (15.0)	5.5	-21	103 (21.0)	6.3	68 (17.0)	3.2	-35					
Naphtha	1 (0.4)	-3.5	16 (5.3)	11.3	15	0 (0.1)	-14.3	16 (4.0)	-0.5	16	0 (0.1)	-7.3	16 (4.0)	0.0	16					
Kero/Jet	30 (9.2)	4.2	26 (8.3)	2.3	-5	41 (10.2)	5.0	41 (10.2)	8.0	0	51 (10.4)	5.9	40 (10.0)	-0.6	-11					
Gas oil	116 (35.5)	3.8	97 (31.3)	3.9	-19	156 (39.2)	5.0	120 (30.1)	3.6	-36	196 (40.1)	5.8	112 (28.0)	-1.8	-84					
Heavy Fuel	87 (26.4)	-1.3	106 (34.1)	1.5	19	74 (18.7)	-2.5	128 (32.0)	3.2	53	82 (16.7)	2.4	128 (32.0)	0.0	46					
Fuel Oil Total	292 (88.9)	1.7	288 (92.9)	2.6	-4	352 (88.3)	3.2	364 (91.3)	4.0	12	432 (88.4)	5.2	363 (90.9)	-0.1	-69					
LPG	32 (9.8)	4.7	17 (5.6)	2.3	-15	39 (9.7)	3.2	31 (7.7)	10.1	-8	46 (9.4)	4.4	32 (8.1)	1.1	-14					
Other Products	5 (1.4)	-0.8	5 (1.5)	0.9	0	8 (1.9)	9.5	4 (1.0)	-2.7	-4	11 (2.2)	9.1	4 (1.0)	0.0	-7					
CDU capacity	422 thou.b/d	Oper. Rate: 73.6 %				420 thou.b/d	Oper. Rate: 95.1 %				420 thou.b/d	Oper. Rate: 95.1 %								
Thailand																				
Products Total	637 (100.0)	5.3	724 (100.0)	8.2	87	721 (100.0)	2.1	689 (100.0)	-0.8	-32	841 (100.0)	3.9	872 (100.0)	6.1	31					
Gasoline	103 (16.2)	5.7	122 (16.9)	7.8	19	118 (16.4)	2.2	118 (17.1)	-0.6	0	138 (16.4)	4.1	138 (15.9)	4.1	0					
Naphtha	0 (0.0)		0 (0.0)		0	0 (0.0)		0 (0.0)		0	0 (0.0)		35 (4.0)		35					
Kero/Jet	57 (8.9)	5.2	77 (10.7)	7.5	21	65 (9.0)	2.3	87 (12.7)	2.1	23	76 (9.0)	4.1	107 (12.3)	5.3	32					
Gas oil	261 (41.0)	6.7	280 (38.7)	9.2	19	301 (41.7)	2.4	262 (38.0)	-1.1	-39	349 (41.5)	3.8	305 (35.0)	3.9	-44					
Heavy Fuel	122 (19.1)	1.4	133 (18.4)	5.1	12	109 (15.1)	-1.8	115 (16.7)	-2.4	6	130 (15.5)	4.5	163 (18.6)	9.0	33					
Fuel Oil Total	542 (85.2)	4.7	613 (84.7)	7.6	71	593 (82.2)	1.5	582 (84.6)	-0.8	-10	693 (82.4)	4.0	749 (85.9)	6.5	56					
LPG	75 (11.8)	12.9	92 (12.7)	15.7	16	93 (12.8)	3.5	93 (13.4)	0.2	0	106 (12.6)	3.4	106 (12.1)	3.4	0					
Other Products	19 (3.0)	9.4	19 (2.7)	11.2	0	36 (4.9)	10.7	14 (2.0)	-5.5	-22	42 (5.0)	4.3	17 (2.0)	6.1	-25					
CDU capacity	918 thou.b/d	Oper. Rate: 78.9 %				918 thou.b/d	Oper. Rate: 75.0 %				918 thou.b/d	Oper. Rate: 95.1 %								

Petroleum Products Balances in East Asia (3)

(Base case)

	2000 (Actual)							2006 (Base Case)					2010 (Base Case)								
	Demand (share)	2000/80	Production (share)	2000/80	Net Export	Demand (share)	06/00	Production (share)	06/00	Net Export	Demand (share)	10/06	Production (share)	10/06	Net Export						
	thou.b/d	%	thou.b/d	%	thou.b/d	thou.b/d	%	thou.b/d	%	thou.b/d	thou.b/d	%	thou.b/d	%	thou.b/d						
Vietnam																					
Products Total	169	(100.0)	7.9	3	(100.0)	-165	269	(100.0)	8.1	143	(100.0)	86.7	-127	372	(100.0)	8.5	285	(100.0)	18.9	-87	
Gasoline	32	(19.2)	7.4	0	(0.0)	-32	50	(18.6)	7.5	36	(25.0)		-15	70	(18.7)	8.5	60	(21.0)	13.8	-10	
Naphtha	0	(0.0)		0	(0.0)	0	0	(0.0)		0	(0.0)		0	(0.0)			0	(0.0)		0	
Kero/Jet	14	(8.0)	4.9	0	(0.0)	-14	18	(6.7)	5.0	18	(12.7)		0	23	(6.1)	5.9	23	(8.0)	5.9	0	
Gas oil	79	(46.7)	8.3	0	(0.0)	-79	125	(46.6)	8.0	50	(35.0)		-75	176	(47.2)	8.8	147	(51.8)	31.1	-28	
Heavy Fuel	31	(18.4)	7.6	0	(0.0)	-31	47	(17.3)	7.0	19	(13.1)		-28	63	(16.8)	7.6	25	(8.8)	7.6	-38	
Fuel Oil Total	156	(92.4)	7.6	0	(0.0)	-156	240	(89.3)	7.5	122	(85.8)		-118	331	(88.8)	8.3	255	(89.5)	20.2	-76	
LPG	7	(4.3)	23.9	3	(100.0)	-4	20	(7.5)	18.7	20	(14.2)	34.9	0	30	(8.0)	10.2	30	(10.5)	10.2	0	
Other Products	6	(3.3)	9.8	0	(0.0)	-6	9	(3.2)	7.5	0	(0.0)		-9	12	(3.2)	8.0	0	(0.0)		-12	
CDU capacity	0	thou.b/d		Oper. Rate:	0.0 %		150	thou.b/d		Oper. Rate:	95.0 %		300	thou.b/d		Oper. Rate:	95.0 %				
East Asia (excluding Japan)																					
Products Total	10,730	(100.0)	5.3	10,504	(100.0)	5.1	-226	13,039	(100.0)	3.3	12,182	(100.0)	2.5	-857	15,034	(100.0)	3.6	13,746	(100.0)	3.1	-1,288
Gasoline	1,575	(14.7)	6.7	1,679	(16.0)	6.6	104	2,072	(15.9)	4.7	2,058	(16.9)	3.5	-15	2,536	(16.9)	5.2	2,446	(17.8)	4.4	-90
Naphtha	1,166	(10.9)	11.4	1,048	(10.0)	9.1	-118	1,572	(12.1)	5.1	1,431	(11.8)	5.3	-141	1,806	(12.0)	3.5	1,664	(12.1)	3.8	-142
Kero/Jet	947	(8.8)	5.0	1,098	(10.5)	5.1	151	1,148	(8.8)	3.3	1,136	(9.3)	0.6	-12	1,304	(8.7)	3.2	1,247	(9.1)	2.4	-57
Gas oil	3,111	(29.0)	6.5	3,294	(31.4)	6.9	183	3,923	(30.1)	3.9	3,858	(31.7)	2.7	-65	4,616	(30.7)	4.1	4,446	(32.3)	3.6	-170
Heavy Fuel	2,508	(23.4)	2.1	1,932	(18.4)	0.9	-576	2,611	(20.0)	0.7	2,032	(16.7)	0.8	-579	2,823	(18.8)	2.0	2,196	(16.0)	2.0	-627
Fuel Oil Total	9,307	(86.7)	5.1	9,051	(86.2)	4.8	-256	11,326	(86.9)	3.3	10,514	(86.3)	2.5	-811	13,084	(87.0)	3.7	11,999	(87.3)	3.4	-1,085
LPG	958	(8.9)	10.4	792	(7.5)	9.4	-166	1,178	(9.0)	3.5	1,066	(8.8)	5.1	-112	1,351	(9.0)	3.5	1,065	(7.7)	0.0	-286
Other Products	465	(4.3)	4.0	661	(6.3)	5.6	196	535	(4.1)	2.4	601	(4.9)	-1.6	66	599	(4.0)	2.9	682	(5.0)	3.2	83
CDU capacity	12,871	thou.b/d		Oper. Rate:	81.6 %		14,122	thou.b/d		Oper. Rate:	86.3 %		15,072	thou.b/d		Oper. Rate:	91.2 %				
India																					
Products Total	2,022	(100.0)	5.8	2,129	(100.0)	7.3	106	2,484	(100.0)	3.5	2,503	(100.0)	2.7	19	3,011	(100.0)	4.9	2,843	(100.0)	3.2	-168
Gasoline	138	(6.8)	7.4	168	(7.9)	8.6	30	177	(7.1)	4.3	177	(7.1)	0.9	0	226	(7.5)	6.3	235	(8.3)	7.4	10
Naphtha	176	(8.7)	6.9	214	(10.1)	8.1	38	180	(7.3)	0.4	259	(10.3)	3.2	79	228	(7.6)	6.0	251	(8.8)	-0.8	24
Kero/Jet	271	(13.4)	4.5	227	(10.7)	6.0	-44	335	(13.5)	3.5	328	(13.1)	6.3	-6	390	(12.9)	3.9	299	(10.5)	-2.3	-91
Gas oil	843	(41.7)	6.6	849	(39.9)	8.2	6	1,067	(43.0)	4.0	976	(39.0)	2.4	-91	1,326	(44.0)	5.6	1,174	(41.3)	4.7	-153
Heavy Fuel	296	(14.7)	3.1	296	(13.9)	4.0	0	342	(13.8)	2.4	406	(16.2)	5.4	64	383	(12.7)	2.8	473	(16.6)	3.9	91
Fuel Oil Total	1,725	(85.3)	5.5	1,755	(82.4)	6.9	30	2,101	(84.6)	3.3	2,147	(85.8)	3.4	46	2,552	(84.7)	5.0	2,433	(85.6)	3.2	-119
LPG	197	(9.7)	12.4	185	(8.7)	12.3	-11	252	(10.2)	4.2	225	(9.0)	3.3	-27	305	(10.1)	4.8	256	(9.0)	3.2	-49
Other Products	101	(5.0)	3.9	189	(8.9)	7.9	88	131	(5.3)	4.4	131	(5.2)	-5.9	0	155	(5.1)	4.3	155	(5.4)	4.3	0
CDU capacity	1,857	thou.b/d		Oper. Rate:	114.6 %		2,445	thou.b/d		Oper. Rate:	102.4 %		3,050	thou.b/d		Oper. Rate:	93.2 %				
Other Asia																					
Products Total	658	(100.0)	5.2	330	(100.0)	2.3	-328	788	(100.0)	3.1	441	(100.0)	4.9	-347	875	(100.0)	2.6	546	(100.0)	5.5	-329
Gasoline	78	(11.9)	4.0	57	(17.2)	3.0	-21	84	(10.7)	1.2	39	(8.8)	-6.2	-45	88	(10.1)	1.2	38	(7.0)	-0.5	-50
Naphtha	2	(0.3)		9	(2.9)	0.0	8	2	(0.2)	0.0	0	(0.4)	-23.8	0	2	(0.2)	0.0	2	(0.3)	0.0	0
Kero/Jet	61	(9.3)	1.3	41	(12.4)	1.3	-20	70	(8.8)	2.2	70	(15.8)	9.2	0	77	(8.8)	2.7	77	(14.2)	2.7	0
Gas oil	272	(41.4)	5.6	103	(31.2)	3.0	-169	328	(41.6)	3.1	123	(27.8)	2.9	-205	362	(41.3)	2.5	166	(30.4)	7.8	-196
Heavy Fuel	207	(31.4)	7.4	87	(26.2)	1.5	-120	254	(32.2)	3.5	132	(30.0)	7.3	-122	288	(32.9)	3.2	164	(30.0)	5.5	-124
Fuel Oil Total	620	(94.2)	5.3	297	(89.9)	2.1	-323	737	(93.5)	2.9	365	(82.8)	3.5	-372	817	(93.4)	2.6	447	(81.9)	5.2	-370
LPG	17	(2.6)	6.7	14	(4.1)	5.3	-4	28	(3.5)	8.0	53	(11.9)	25.3	25	33	(3.7)	4.3	72	(13.1)	8.1	39
Other Products	21	(3.1)	3.4	20	(6.0)	2.9	-1	23	(3.0)	2.2	23	(5.3)	2.8	0	25	(2.9)	2.0	27	(5.0)	3.9	2
CDU capacity	345	thou.b/d		Oper. Rate:	95.9 %		546	thou.b/d		Oper. Rate:	80.8 %		546	thou.b/d		Oper. Rate:	99.9 %				
Asia (excluding Japan)																					
Products Total	13,410	(100.0)	5.4	12,963	(100.0)	5.3	-448	16,311	(100.0)	3.3	15,126	(100.0)	2.6	-1,185	18,921	(100.0)	3.8	17,136	(100.0)	3.2	-1,785
Gasoline	1,790	(13.4)	6.6	1,903	(14.7)	6.6	113	2,333	(14.3)	4.5	2,273	(15.0)	3.0	-60	2,850	(15.1)	5.1	2,720	(15.9)	4.6	-130
Naphtha	1,344	(10.0)	10.5	1,272	(9.8)	8.7	-72	1,754	(10.8)	4.5	1,692	(11.2)	4.9	-62	2,035	(10.8)	3.8	1,917	(11.2)	3.2	-118
Kero/Jet	1,280	(9.5)	4.7	1,367	(10.5)	5.1	87	1,552	(9.5)	3.3	1,534	(10.1)	1.9	-18	1,771	(9.4)	3.4	1,623	(9.5)	1.4	-148
Gas oil	4,227	(31.5)	6.4	4,246	(32.8)	7.0	20	5,318	(32.6)	3.9	4,957	(32.8)	2.6	-361	6,304	(33.3)	4.3	5,785	(33.8)	3.9	-518
Heavy Fuel	3,011	(22.5)	2.4	2,315	(17.9)	1.2	-696	3,207	(19.7)	1.1	2,570	(17.0)	1.8	-636	3,493	(18.5)	2.2	2,833	(16.5)	2.5	-660
Fuel Oil Total	11,652	(86.9)	5.1	11,103	(85.7)	5.0	-549	14,164	(86.8)	3.3	13,027	(86.1)	2.7	-1,137	16,453	(87.0)	3.8	14,879	(86.8)	3.4	-1,575
LPG	1,172	(8.7)	10.6	990	(7.6)	9.7	-182	1,458	(8.9)	3.7	1,344	(8.9)	5.2	-114	1,688	(8.9)	3.7	1,393	(8.1)	0.9	-295
Other Products	587	(4.4)	4.0	869	(6.7)	5.9	282	690	(4.2)	2.7	756	(5.0)	-2.3	66	780	(4.1)	3.1	864	(5.0)	3.4	85
CDU capacity	15,073	thou.b/d		Oper. Rate:	86.0 %		17,113	thou.b/d		Oper. Rate:	88.4 %		18,668	thou.b/d		Oper. Rate:	91.8 %				

Petroleum Products Balances in East Asia (1)
(Low GDP Growth Case)

	2000 (Actual)							2006 (Low GDP Growth Case)					2010 (Low GDP Growth Case)				
	Demand (share)	2000/80	Production (share)	2000/80	Net Export	Demand (share)	06/00	Production (share)	06/00	Net Export	Demand (share)	10/06	Production (share)	10/06	Net Export		
	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d	%	thou.b/d		
China																	
Products Total	4,210 (100.0)	5.3	3,994 (100.0)	4.8	-216	5,360 (100.0)	4.1	4,640 (100.0)	2.5	-720	6,228 (100.0)	3.8	5,440 (100.0)	4.1	-788		
Gasoline	723 (17.2)	6.3	850 (21.3)	6.7	127	986 (18.4)	5.3	1,007 (21.7)	2.9	22	1,203 (19.3)	5.1	1,244 (22.9)	5.4	41		
Naphtha	441 (10.5)	12.2	441 (11.0)	10.8	0	663 (12.4)	7.0	570 (12.3)	4.4	-92	825 (13.2)	5.6	707 (13.0)	5.5	-118		
Kero/Jet	177 (4.2)	4.3	180 (4.5)	3.9	3	240 (4.5)	5.2	186 (4.0)	0.5	-54	290 (4.7)	4.9	218 (4.0)	4.1	-73		
Gas oil	1,380 (32.8)	7.2	1,443 (36.1)	6.9	63	1,792 (33.4)	4.5	1,624 (35.0)	2.0	-168	2,084 (33.5)	3.9	1,904 (35.0)	4.1	-180		
Heavy Fuel	735 (17.4)	1.1	411 (10.3)	-1.9	-324	783 (14.6)	1.1	464 (10.0)	2.1	-319	822 (13.2)	1.2	544 (10.0)	4.1	-278		
Fuel Oil Total	3,455 (82.1)	5.1	3,324 (83.2)	4.6	-131	4,463 (83.3)	4.4	3,851 (83.0)	2.5	-612	5,225 (83.9)	4.0	4,617 (84.9)	4.6	-608		
LPG	479 (11.4)	11.9	373 (9.3)	10.5	-107	598 (11.2)	3.8	464 (10.0)	3.7	-134	678 (10.9)	3.2	442 (8.1)	-1.2	-235		
Other Products	276 (6.6)	2.5	298 (7.5)	2.8	22	299 (5.6)	1.4	325 (7.0)	1.5	25	325 (5.2)	2.1	381 (7.0)	4.1	56		
CDU capacity	5,000 thou.b/d		Oper. Rate: 79.9 %			5,800 thou.b/d		Oper. Rate: 80.0 %			6,400 thou.b/d		Oper. Rate: 85.0 %				
Hong Kong																	
Products Total	245 (100.0)	3.3	0 (0.0)	0.0	-245	261 (100.0)	1.0	0 (0.0)	0.0	-261	276 (100.0)	1.4	0 (0.0)	0.0	-276		
Gasoline	9 (3.5)	3.8	0 (0.0)	0.0	-9	10 (4.0)	3.4	0 (0.0)	0.0	-10	11 (4.1)	2.1	0 (0.0)	0.0	-11		
Naphtha	12 (5.0)	9.3	0 (0.0)	0.0	-12	12 (4.7)	0.0	0 (0.0)	0.0	-12	12 (4.4)	0.0	0 (0.0)	0.0	-12		
Kero/Jet	57 (23.2)	5.7	0 (0.0)	0.0	-57	58 (22.3)	0.4	0 (0.0)	0.0	-58	59 (21.5)	0.5	0 (0.0)	0.0	-59		
Gas oil	120 (49.1)	9.0	0 (0.0)	0.0	-120	125 (47.8)	0.6	0 (0.0)	0.0	-125	132 (47.7)	1.4	0 (0.0)	0.0	-132		
Heavy Fuel	40 (16.4)	-3.3	0 (0.0)	0.0	-40	48 (18.4)	3.0	0 (0.0)	0.0	-48	54 (19.5)	3.0	0 (0.0)	0.0	-54		
Fuel Oil Total	238 (97.2)	3.3	0 (0.0)	0.0	-238	254 (97.2)	1.1	0 (0.0)	0.0	-254	269 (97.3)	1.4	0 (0.0)	0.0	-269		
LPG	4 (1.6)	2.4	0 (0.0)	0.0	-4	4 (1.6)	0.7	0 (0.0)	0.0	-4	4 (1.6)	1.0	0 (0.0)	0.0	-4		
Other Products	3 (1.2)	2.3	0 (0.0)	0.0	-3	3 (1.2)	0.8	0 (0.0)	0.0	-3	3 (1.2)	1.1	0 (0.0)	0.0	-3		
CDU capacity	0 thou.b/d		Oper. Rate: 0.0 %			0 thou.b/d		Oper. Rate: 0.0 %			0 thou.b/d		Oper. Rate: 0.0 %				
Chinese Taipei																	
Products Total	821 (100.0)	3.7	770 (100.0)	3.9	-51	831 (100.0)	0.2	921 (100.0)	3.0	89	871 (100.0)	1.2	1,159 (100.0)	5.9	288		
Gasoline	151 (18.4)	8.1	115 (14.9)	6.5	-36	173 (20.9)	2.3	192 (20.9)	9.0	19	188 (21.6)	2.0	251 (21.7)	6.9	63		
Naphtha	71 (8.6)	4.2	40 (5.1)	2.1	-31	182 (21.9)	17.1	182 (19.8)	29.0	0	200 (23.0)	2.4	232 (20.0)	6.2	32		
Kero/Jet	46 (5.6)	7.2	42 (5.5)	4.8	-4	59 (7.0)	4.0	59 (6.4)	5.9	1	65 (7.4)	2.6	92 (8.0)	11.8	28		
Gas oil	109 (13.3)	3.7	135 (17.5)	3.9	26	109 (13.1)	0.0	148 (16.1)	1.6	39	118 (13.5)	1.9	235 (20.3)	12.2	117		
Heavy Fuel	320 (38.9)	1.6	273 (35.4)	2.0	-47	186 (22.4)	-8.6	132 (14.3)	-11.4	-54	174 (19.9)	-1.8	174 (15.0)	7.1	0		
Fuel Oil Total	697 (84.9)	3.4	605 (78.5)	3.2	-93	710 (85.4)	0.3	714 (77.5)	2.8	4	744 (85.4)	1.2	985 (85.0)	8.4	241		
LPG	61 (7.5)	3.8	48 (6.2)	3.1	-13	57 (6.9)	-1.1	115 (12.5)	15.7	58	58 (6.6)	0.1	59 (5.0)	-15.5	1		
Other Products	63 (7.7)	10.0	117 (15.3)	14.2	55	65 (7.8)	0.4	92 (10.0)	-4.0	28	70 (8.0)	1.9	116 (10.0)	5.9	46		
CDU capacity	925 thou.b/d		Oper. Rate: 83.3 %			1,220 thou.b/d		Oper. Rate: 75.5 %			1,220 thou.b/d		Oper. Rate: 95.0 %				
Korea																	
Products Total	2,161 (100.0)	7.3	2,516 (100.0)	8.3	355	2,377 (100.0)	1.6	2,613 (100.0)	0.6	235	2,452 (100.0)	0.8	2,613 (100.0)	0.0	160		
Gasoline	157 (7.2)	11.5	203 (8.1)	13.0	47	196 (8.2)	3.8	209 (8.0)	0.5	13	223 (9.1)	3.3	209 (8.0)	0.0	-14		
Naphtha	580 (26.8)	12.6	422 (16.8)	11.0	-158	611 (25.7)	0.9	470 (18.0)	1.8	-141	636 (25.9)	1.0	470 (18.0)	0.0	-166		
Kero/Jet	257 (11.9)	10.9	393 (15.6)	12.6	136	266 (11.2)	0.6	352 (13.5)	-1.8	86	264 (10.8)	-0.2	377 (14.4)	1.7	113		
Gas oil	386 (17.8)	6.3	645 (25.6)	9.1	259	438 (18.4)	2.2	694 (26.5)	1.2	255	465 (19.0)	1.5	710 (27.2)	0.6	245		
Heavy Fuel	514 (23.8)	2.9	653 (26.0)	4.6	139	551 (23.2)	1.2	688 (26.3)	0.9	137	528 (21.5)	-1.1	653 (25.0)	-1.3	125		
Fuel Oil Total	1,893 (87.6)	6.8	2,318 (92.1)	8.1	424	2,062 (86.7)	1.4	2,413 (92.4)	0.7	351	2,117 (86.3)	0.7	2,420 (92.6)	0.1	303		
LPG	212 (9.8)	13.3	119 (4.7)	10.5	-93	247 (10.4)	2.5	183 (7.0)	7.4	-64	258 (10.5)	1.2	183 (7.0)	0.0	-75		
Other Products	56 (2.6)	10.5	80 (3.2)	12.2	24	69 (2.9)	3.6	17 (0.6)	-22.9	-52	77 (3.1)	2.9	10 (0.4)	-12.0	-67		
CDU capacity	2,750 thou.b/d		Oper. Rate: 91.5 %			2,750 thou.b/d		Oper. Rate: 95.0 %			2,750 thou.b/d		Oper. Rate: 95.0 %				
Singapore																	
Products Total	680 (100.0)	6.3	730 (100.0)	0.7	50	806 (100.0)	2.9	1,206 (100.0)	8.7	400	901 (100.0)	2.8	1,206 (100.0)	0.0	305		
Gasoline	14 (2.1)	3.2	85 (11.6)	1.0	71	15 (1.9)	1.4	145 (12.0)	9.3	129	16 (1.8)	1.0	145 (12.0)	0.0	129		
Naphtha	54 (8.0)	20.2	85 (11.6)	3.1	30	89 (11.0)	8.5	144 (12.0)	9.3	56	101 (11.2)	3.3	121 (10.0)	-4.4	20		
Kero/Jet	49 (7.2)	4.8	141 (19.3)	-0.4	92	54 (6.7)	1.5	145 (12.0)	0.4	91	59 (6.5)	2.3	121 (10.0)	-4.5	62		
Gas oil	81 (12.0)	6.2	241 (33.0)	3.0	159	94 (11.7)	2.5	413 (34.3)	9.4	319	104 (11.5)	2.4	422 (35.0)	0.5	318		
Heavy Fuel	455 (66.9)	6.3	86 (11.8)	-4.3	-369	520 (64.5)	2.2	241 (20.0)	18.7	-278	578 (64.1)	2.7	241 (20.0)	0.0	-337		
Fuel Oil Total	654 (96.2)	6.4	638 (87.4)	0.2	-17	772 (95.8)	2.8	1,088 (90.2)	9.3	316	857 (95.1)	2.7	1,049 (87.0)	-0.9	192		
LPG	15 (2.2)	4.8	30 (4.1)	11.1	15	23 (2.8)	7.4	33 (2.8)	1.7	10	32 (3.5)	8.6	72 (6.0)	21.4	40		
Other Products	11 (1.6)	2.7	62 (8.5)	5.0	51	11 (1.4)	0.6	84 (7.0)	5.2	73	12 (1.3)	1.2	84 (7.0)	0.0	73		
CDU capacity	1,269 thou.b/d		Oper. Rate: 57.5 %			1,269 thou.b/d		Oper. Rate: 95.0 %			1,269 thou.b/d		Oper. Rate: 95.0 %				

Petroleum Products Balances in East Asia (2)
(Low GDP growth case)

	2000 (Actual)							2006 (Low GDP Growth Case)							2010 (Low GDP Growth Case)						
	Demand thou.b/d	(share) %	2000/80 %/Y	Production thou.b/d	(share) %	2000/80 %/Y	Net Export thou.b/d	Demand thou.b/d	(share) %	06/00 %/Y	Production thou.b/d	(share) %	06/00 %/Y	Net Export thou.b/d	Demand thou.b/d	(share) %	10/06 %/Y	Production thou.b/d	(share) %	10/06 %/Y	Net Export thou.b/d
Brunel																					
Products Total	10	(100.0)	4.7	10	(100.0)	25.0	0	12	(100.0)	3.2	11	(100.0)	0.6	-2	13	(100.0)	1.8	11	(100.0)	0.0	-3
Gasoline	4	(39.8)	5.4	4	(38.1)	0.0	0	5	(38.0)	2.4	4	(40.0)	1.5	0	5	(38.1)	1.8	4	(40.0)	0.0	-1
Naphtha	0	(1.2)	-1.4	0	(1.2)	0.0	0	0	(1.0)	0.0	0	(1.1)	0.0	0	0	(0.9)	0.0	0	(1.1)	0.0	0
Kero/Jet	1	(14.2)	5.3	2	(15.0)	0.0	0	2	(14.9)	4.1	0	(0.0)	0.0	-2	2	(15.4)	2.6	0	(0.0)	0.0	-2
Gas oil	3	(24.3)	2.0	3	(28.3)	0.0	0	3	(27.9)	5.7	3	(25.0)	-1.4	-1	4	(28.4)	2.2	3	(25.0)	0.0	-1
Heavy Fuel	0	(0.2)	0.0	0	(0.2)	0.0	0	0	(0.2)	0.0	0	(1.0)	32.5	0	0	(0.1)	0.0	0	(1.0)	0.0	0
Fuel Oil Total	8	(79.6)	3.9	9	(82.7)	0.0	0	10	(82.0)	3.7	7	(67.1)	-2.8	-3	11	(82.8)	2.1	7	(67.1)	0.0	-4
LPG	2	(17.3)	14.4	2	(17.3)	14.5	0	2	(14.9)	0.7	4	(32.9)	12.0	2	2	(14.0)	0.3	4	(32.9)	0.0	2
Other Products	0	(3.1)	3.5	0	(0.0)	0.0	0	0	(3.0)	2.9	0	(0.0)	0.0	0	0	(3.1)	2.5	0	(0.0)	0.0	0
CDU capacity	9	thou.b/d				120.9	%	9	thou.b/d				125.6	%	9	thou.b/d				125.6	%
Indonesia																					
Products Total	1,048	(100.0)	4.7	994	(100.0)	5.2	-54	1,271	(100.0)	3.3	1,073	(100.0)	1.3	-198	1,387	(100.0)	2.2	1,273	(100.0)	4.4	-114
Gasoline	196	(18.7)	6.1	178	(17.9)	7.3	-19	232	(18.2)	2.8	195	(18.2)	1.6	-36	259	(18.7)	2.8	217	(17.1)	2.7	-41
Naphtha	7	(0.7)	0.0	44	(4.4)	0.0	37	9	(0.7)	4.2	49	(4.5)	1.6	40	11	(0.8)	6.0	83	(6.5)	14.1	71
Kero/Jet	224	(21.4)	2.3	179	(18.0)	4.8	-45	285	(22.5)	4.1	196	(18.2)	1.5	-90	313	(22.6)	2.3	225	(17.7)	3.5	-88
Gas oil	416	(39.7)	5.7	289	(29.1)	8.8	-127	500	(39.3)	3.1	349	(32.6)	3.2	-150	543	(39.1)	2.1	412	(32.4)	4.2	-131
Heavy Fuel	152	(14.5)	4.4	219	(22.1)	1.2	67	184	(14.5)	3.3	187	(17.4)	-2.6	3	196	(14.2)	1.6	222	(17.4)	4.3	25
Fuel Oil Total	996	(95.0)	4.6	909	(91.5)	5.0	-86	1,210	(95.2)	3.3	976	(91.0)	1.2	-234	1,322	(95.3)	2.2	1,159	(91.0)	4.4	-164
LPG	38	(3.6)	12.3	57	(5.7)	6.8	19	46	(3.6)	3.4	75	(7.0)	4.8	29	50	(3.6)	2.3	89	(7.0)	4.3	38
Other Products	14	(1.4)	5.4	28	(2.8)	8.8	13	14	(1.1)	0.0	21	(2.0)	-4.1	7	14	(1.0)	0.0	25	(2.0)	4.4	11
CDU capacity	1,065	thou.b/d				93.3	%	1,073	thou.b/d				100.0	%	1,273	thou.b/d				100.0	%
Malaysia																					
Products Total	420	(100.0)	4.9	452	(100.0)	7.1	32	506	(100.0)	3.2	489	(100.0)	1.3	-17	593	(100.0)	4.0	489	(100.0)	0.0	-104
Gasoline	128	(30.4)	8.1	78	(17.2)	7.3	-50	159	(31.5)	3.8	91	(18.6)	2.6	-68	179	(30.1)	2.9	110	(22.4)	4.8	-69
Naphtha	0	(0.0)	0.0	0	(0.0)	0.0	0	0	(0.0)	0.0	0	(0.0)	0.0	0	0	(0.0)	0.0	0	(0.0)	0.0	0
Kero/Jet	34	(8.1)	5.2	58	(12.9)	9.7	24	41	(8.2)	3.3	52	(10.6)	-1.9	10	47	(7.8)	3.0	44	(9.0)	-4.0	-3
Gas oil	161	(38.3)	5.5	162	(35.9)	7.9	1	204	(40.4)	4.1	196	(40.0)	3.2	-9	244	(41.2)	4.6	196	(40.0)	0.0	-49
Heavy Fuel	53	(12.5)	-0.5	51	(11.2)	0.6	-2	54	(10.6)	0.3	58	(11.8)	2.2	4	66	(11.1)	5.3	47	(9.6)	-5.0	-19
Fuel Oil Total	375	(89.4)	4.6	349	(77.2)	6.0	-27	459	(90.6)	3.4	396	(81.0)	2.2	-63	536	(90.3)	3.9	396	(81.0)	0.0	-139
LPG	32	(7.7)	11.2	51	(11.3)	14.3	19	30	(5.9)	-1.3	59	(10.0)	-0.8	19	35	(5.9)	4.3	49	(10.0)	0.0	14
Other Products	12	(3.0)	4.3	52	(11.5)	15.9	39	18	(3.5)	6.2	44	(9.0)	-2.7	26	22	(3.8)	5.9	44	(9.0)	0.0	22
CDU capacity	515	thou.b/d				87.8	%	515	thou.b/d				95.1	%	515	thou.b/d				95.1	%
Philippines																					
Products Total	328	(100.0)	1.8	310	(100.0)	2.6	-18	382	(100.0)	2.6	399	(100.0)	4.3	17	446	(100.0)	4.0	399	(100.0)	0.0	-47
Gasoline	57	(17.4)	3.8	43	(14.0)	2.0	-14	78	(20.3)	5.2	60	(15.0)	5.5	-18	95	(21.3)	5.2	68	(17.0)	3.2	-27
Naphtha	1	(0.4)	-3.5	16	(5.3)	11.3	15	0	(0.1)	-17.7	16	(4.0)	-0.5	16	0	(0.0)	-24.0	16	(4.0)	0.0	16
Kero/Jet	30	(9.2)	4.2	26	(8.3)	2.3	-5	39	(10.3)	4.4	41	(10.2)	8.0	1	47	(10.6)	4.8	40	(10.0)	-0.6	-8
Gas oil	116	(35.5)	3.8	97	(31.3)	3.9	-19	151	(39.4)	4.4	120	(30.1)	3.6	-31	181	(40.5)	4.7	112	(28.0)	-1.8	-69
Heavy Fuel	87	(26.4)	-1.3	106	(34.1)	1.5	19	70	(18.2)	-3.6	128	(32.0)	3.2	58	70	(15.7)	0.2	128	(32.0)	0.0	58
Fuel Oil Total	292	(88.9)	1.7	288	(92.9)	2.6	-4	338	(88.3)	2.5	364	(91.3)	4.0	27	394	(88.2)	3.9	363	(90.9)	-0.1	-31
LPG	32	(9.8)	4.7	17	(5.6)	2.3	-15	38	(9.8)	2.7	31	(7.7)	10.1	-7	43	(9.7)	3.5	32	(8.1)	1.1	-11
Other Products	5	(1.4)	-0.8	5	(1.5)	0.9	0	7	(1.9)	7.8	4	(1.0)	-2.7	-3	9	(2.1)	7.5	4	(1.0)	0.0	-5
CDU capacity	422	thou.b/d				73.6	%	420	thou.b/d				95.1	%	420	thou.b/d				95.1	%
Thailand																					
Products Total	637	(100.0)	5.3	724	(100.0)	8.2	87	709	(100.0)	1.8	689	(100.0)	-0.8	-20	805	(100.0)	3.2	872	(100.0)	6.1	67
Gasoline	103	(16.2)	5.7	122	(16.9)	7.8	19	115	(16.2)	1.8	118	(17.1)	-0.6	3	130	(16.1)	3.1	138	(15.9)	4.1	8
Naphtha	0	(0.0)	0.0	0	(0.0)	0.0	0	0	(0.0)	0.0	0	(0.0)	0.0	0	0	(0.0)	0.0	35	(4.0)	0.0	35
Kero/Jet	57	(8.9)	5.2	77	(10.7)	7.5	21	63	(8.9)	1.8	87	(12.7)	2.1	24	71	(8.9)	3.1	107	(12.3)	5.3	36
Gas oil	261	(41.0)	6.7	280	(38.7)	9.2	19	295	(41.6)	2.1	262	(38.0)	-1.1	-33	331	(41.1)	2.9	305	(35.0)	3.9	-26
Heavy Fuel	122	(19.1)	1.4	133	(18.4)	5.1	12	108	(15.3)	-1.9	115	(16.7)	-2.4	7	127	(15.8)	4.2	163	(18.6)	9.0	35
Fuel Oil Total	542	(85.2)	4.7	613	(84.7)	7.6	71	581	(82.0)	1.2	582	(84.6)	-0.8	1	659	(81.9)	3.2	749	(85.9)	6.5	90
LPG	75	(11.8)	12.9	92	(12.7)	15.7	16	92	(13.0)	3.4	93	(13.4)	0.2	1	104	(12.9)	3.1	106	(12.1)	3.4	2
Other Products	19	(3.0)	9.4	19	(2.7)	11.2	0	36	(5.0)	10.7	14	(2.0)	-5.5	-22	42	(5.2)	4.1	17	(2.0)	6.1	-24
CDU capacity	918	thou.b/d				78.9	%	918	thou.b/d				75.0	%	918	thou.b/d				95.1	%

Petroleum Products Balances in East Asia (3)
(Low GDP growth case)

	2000 (Actual)							2006 (Low GDP Growth Case)						2010 (Low GDP Growth Case)							
	Demand (share)	2000/80	Production (share)	2000/80	Net Export	Demand (share)	06/00	Production (share)	06/00	Net Export	Demand (share)	10/06	Production (share)	10/06	Net Export						
	thou.b/d	%	thou.b/d	%	thou.b/d	thou.b/d	%	thou.b/d	%	thou.b/d	thou.b/d	%	thou.b/d	%	thou.b/d						
Vietnam																					
Products Total	169	(100.0)	7.9	3	(100.0)	0.0	-165	251	(100.0)	6.8	143	(100.0)	86.7	-108	353	(100.0)	8.9	285	(100.0)	18.9	-68
Gasoline	32	(19.2)	7.4	0	(0.0)	0.0	-32	48	(19.1)	6.7	36	(25.0)	0.0	-12	68	(19.2)	9.1	60	(21.0)	13.8	-8
Naphtha	0	(0.0)	0.0	0	(0.0)	0.0	0	0	(0.0)	0.0	0	(0.0)	0.0	0	0	(0.0)	0.0	0	(0.0)	0.0	0
Kero/Jet	14	(8.0)	4.9	0	(0.0)	0.0	-14	17	(6.9)	4.2	18	(12.7)	0.0	1	21	(5.9)	5.0	23	(8.0)	5.9	2
Gas oil	79	(46.7)	8.3	0	(0.0)	0.0	-79	115	(45.9)	6.5	50	(35.0)	0.0	-65	165	(46.9)	9.5	147	(51.8)	31.1	-18
Heavy Fuel	31	(18.4)	7.6	0	(0.0)	0.0	-31	42	(16.8)	5.2	19	(13.1)	0.0	-23	57	(16.2)	7.9	25	(8.8)	7.6	-32
Fuel Oil Total	156	(92.4)	7.6	0	(0.0)	0.0	-156	222	(88.6)	6.1	122	(85.8)	0.0	-100	311	(88.2)	8.8	255	(89.5)	20.2	-56
LPG	7	(4.3)	23.9	3	(100.0)	0.0	-4	20	(8.1)	18.7	20	(14.2)	34.9	0	30	(8.5)	10.2	30	(10.5)	10.2	0
Other Products	6	(3.3)	9.8	0	(0.0)	0.0	-6	8	(3.3)	6.7	0	(0.0)	0.0	-8	12	(3.3)	8.6	0	(0.0)	0.0	-12
CDU capacity	0	thou.b/d		Oper. Rate:	0.0	%		150	thou.b/d		Oper. Rate:	95.0	%		300	thou.b/d		Oper. Rate:	95.0	%	
East Asia (excluding Japan)																					
Products Total	10,730	(100.0)	5.3	10,504	(100.0)	5.1	-226	12,767	(100.0)	2.9	12,182	(100.0)	2.5	-585	14,325	(100.0)	2.9	13,746	(100.0)	3.1	-579
Gasoline	1,575	(14.7)	6.7	1,679	(16.0)	6.6	104	2,017	(15.8)	4.2	2,058	(16.9)	3.5	40	2,377	(16.6)	4.2	2,446	(17.8)	4.4	70
Naphtha	1,166	(10.9)	11.4	1,048	(10.0)	9.1	-118	1,566	(12.3)	5.0	1,431	(11.8)	5.3	-134	1,785	(12.5)	3.3	1,664	(12.1)	3.8	-122
Kero/Jet	947	(8.8)	5.0	1,098	(10.5)	5.1	151	1,124	(8.8)	2.9	1,136	(9.3)	0.6	11	1,239	(8.6)	2.5	1,247	(9.1)	2.4	8
Gas oil	3,111	(29.0)	6.5	3,294	(31.4)	6.9	183	3,827	(30.0)	3.5	3,858	(31.7)	2.7	32	4,371	(30.5)	3.4	4,446	(32.3)	3.6	75
Heavy Fuel	2,508	(23.4)	2.1	1,932	(18.4)	0.9	-576	2,546	(19.9)	0.3	2,032	(16.7)	0.8	-514	2,673	(18.7)	1.2	2,196	(16.0)	2.0	-476
Fuel Oil Total	9,307	(86.7)	5.1	9,051	(86.2)	4.8	-256	11,080	(86.8)	2.9	10,514	(86.3)	2.5	-565	12,445	(86.9)	2.9	11,999	(87.3)	3.4	-446
LPG	958	(8.9)	10.4	792	(7.5)	9.4	-166	1,156	(9.1)	3.2	1,066	(8.8)	5.1	-90	1,294	(9.0)	2.9	1,065	(7.7)	0.0	-229
Other Products	465	(4.3)	4.0	661	(6.3)	5.6	196	531	(4.2)	2.2	601	(4.9)	-1.6	71	587	(4.1)	2.5	682	(5.0)	3.2	95
CDU capacity	12,871	thou.b/d		Oper. Rate:	81.6	%		14,122	thou.b/d		Oper. Rate:	86.3	%		15,072	thou.b/d		Oper. Rate:	91.2	%	
India																					
Products Total	2,022	(100.0)	5.8	2,129	(100.0)	7.3	106	2,419	(100.0)	3.0	2,503	(100.0)	2.7	84	2,847	(100.0)	4.2	2,843	(100.0)	3.2	-4
Gasoline	138	(6.8)	7.4	168	(7.9)	8.6	30	169	(7.0)	3.4	177	(7.1)	0.9	8	206	(7.2)	5.1	235	(8.3)	7.4	29
Naphtha	176	(8.7)	6.9	214	(10.1)	8.1	38	180	(7.5)	0.4	259	(10.3)	3.2	79	228	(8.0)	6.0	251	(8.8)	-0.8	24
Kero/Jet	271	(13.4)	4.5	227	(10.7)	6.0	-44	331	(13.7)	3.3	328	(13.1)	6.3	-2	377	(13.3)	3.4	299	(10.5)	-2.3	-78
Gas oil	843	(41.7)	6.6	849	(39.9)	8.2	6	1,025	(42.4)	3.3	976	(39.0)	2.4	-48	1,226	(43.0)	4.6	1,174	(41.3)	4.7	-52
Heavy Fuel	296	(14.7)	3.1	296	(13.9)	4.0	0	337	(13.9)	2.2	406	(16.2)	5.4	70	368	(12.9)	2.2	473	(16.6)	3.9	106
Fuel Oil Total	1,725	(85.3)	5.5	1,755	(82.4)	6.9	30	2,041	(84.4)	2.8	2,147	(85.8)	3.4	106	2,404	(84.4)	4.2	2,433	(85.6)	3.2	29
LPG	197	(9.7)	12.4	185	(8.7)	12.3	-11	250	(10.3)	4.1	225	(9.0)	3.3	-25	296	(10.4)	4.4	256	(9.0)	3.2	-40
Other Products	101	(5.0)	3.9	189	(8.9)	7.9	88	128	(5.3)	4.0	131	(5.2)	-5.9	3	147	(5.2)	3.5	155	(5.4)	4.3	8
CDU capacity	1,857	thou.b/d		Oper. Rate:	114.6	%		2,445	thou.b/d		Oper. Rate:	102.4	%		3,050	thou.b/d		Oper. Rate:	93.2	%	
Other Asia																					
Products Total	658	(100.0)	5.2	330	(100.0)	2.3	-328	768	(100.0)	2.6	441	(100.0)	4.9	-327	826	(100.0)	1.8	546	(100.0)	5.5	-280
Gasoline	78	(11.9)	4.0	57	(17.2)	3.0	-21	83	(10.8)	1.0	39	(8.8)	-6.2	-44	86	(10.4)	0.7	38	(7.0)	-0.5	-48
Naphtha	2	(0.3)	0.0	9	(2.9)	0.0	8	2	(0.2)	0.0	0	(0.4)	-23.8	0	2	(0.2)	0.0	2	(0.3)	0.0	0
Kero/Jet	61	(9.3)	1.3	41	(12.4)	1.3	-20	68	(8.8)	1.7	70	(15.8)	9.2	2	73	(8.8)	1.8	77	(14.2)	2.7	5
Gas oil	272	(41.4)	5.6	103	(31.2)	3.0	-169	317	(41.3)	2.6	123	(27.8)	2.9	-195	338	(41.0)	1.6	166	(30.4)	7.8	-172
Heavy Fuel	207	(31.4)	7.4	87	(26.2)	1.5	-120	249	(32.4)	3.1	132	(30.0)	7.3	-116	272	(33.0)	2.3	164	(30.0)	5.5	-109
Fuel Oil Total	620	(94.2)	5.3	297	(89.9)	2.1	-323	718	(93.5)	2.5	365	(82.8)	3.5	-353	771	(93.4)	1.8	447	(81.9)	5.2	-324
LPG	17	(2.6)	6.7	14	(4.1)	5.3	-4	27	(3.5)	7.5	53	(11.9)	25.3	26	31	(3.7)	3.5	72	(13.1)	8.1	41
Other Products	21	(3.1)	3.4	20	(6.0)	2.9	-1	23	(3.0)	1.8	23	(5.3)	2.8	1	24	(2.9)	1.3	27	(5.0)	3.9	3
CDU capacity	345	thou.b/d		Oper. Rate:	95.9	%		546	thou.b/d		Oper. Rate:	80.8	%		546	thou.b/d		Oper. Rate:	99.9	%	
Asia (excluding Japan)																					
Products Total	13,410	(100.0)	5.4	12,963	(100.0)	5.3	-448	15,954	(100.0)	2.9	15,126	(100.0)	2.6	-827	17,998	(100.0)	3.1	17,136	(100.0)	3.2	-863
Gasoline	1,790	(13.4)	6.6	1,903	(14.7)	6.6	113	2,269	(14.2)	4.0	2,273	(15.0)	3.0	4	2,668	(14.8)	4.1	2,720	(15.9)	4.6	51
Naphtha	1,344	(10.0)	10.5	1,272	(9.8)	8.7	-72	1,748	(11.0)	4.5	1,692	(11.2)	4.9	-55	2,015	(11.2)	3.6	1,917	(11.2)	3.2	-98
Kero/Jet	1,280	(9.5)	4.7	1,367	(10.5)	5.1	87	1,523	(9.5)	2.9	1,534	(10.1)	1.9	11	1,689	(9.4)	2.6	1,623	(9.5)	1.4	-66
Gas oil	4,227	(31.5)	6.4	4,246	(32.8)	7.0	20	5,168	(32.4)	3.4	4,957	(32.8)	2.6	-211	5,935	(33.0)	3.5	5,785	(33.8)	3.9	-149
Heavy Fuel	3,011	(22.5)	2.4	2,315	(17.9)	1.2	-696	3,132	(19.6)	0.7	2,570	(17.0)	1.8	-561	3,312	(18.4)	1.4	2,833	(16.5)	2.5	-479
Fuel Oil Total	11,652	(86.9)	5.1	11,103	(85.7)	5.0	-549	13,839	(86.7)	2.9	13,027	(86.1)	2.7	-813	15,619	(86.8)	3.1	14,879	(86.8)	3.4	-741
LPG	1,172	(8.7)	10.6	990	(7.6)	9.7	-182	1,433	(9.0)	3.4	1,344	(8.9)	5.2	-89	1,621	(9.0)	3.1	1,393	(8.1)	0.9	-228
Other Products	587	(4.4)	4.0	869	(6.7)	5.9	282	681	(4.3)	2.5	756	(5.0)	-2.3	74	758	(4.2)	2.7	864	(5.0)	3.4	106
CDU capacity	15,073	thou.b/d		Oper. Rate:	86.0	%		17,113	thou.b/d		Oper. Rate:	88.4	%		18,668	thou.b/d		Oper. Rate:	91.8	%	