

Table 1
WORLD OIL SUPPLY AND DEMAND

(million barrels per day)

	2015	2016	1Q17	2Q17	3Q17	4Q17	2017	1Q18	2Q18	3Q18	4Q18	2018	1Q19	2Q19	3Q19	4Q19	2019
OECD DEMAND																	
Americas	24.6	24.9	24.6	25.1	25.2	25.3	25.1	25.3	25.4	25.8	26.0	25.6	25.6	25.8	26.1	26.2	25.9
Europe	13.8	14.0	13.8	14.3	14.7	14.4	14.3	14.1	14.2	14.7	14.3	14.3	14.0	14.4	14.8	14.4	14.4
Asia Oceania	8.1	8.1	8.5	7.7	7.8	8.3	8.1	8.5	7.6	7.6	8.0	7.9	8.4	7.4	7.5	8.0	7.8
Total OECD	46.5	47.0	46.9	47.0	47.7	48.1	47.4	47.9	47.2	48.1	48.2	47.8	48.0	47.6	48.4	48.6	48.2
NON-OECD DEMAND																	
FSU	4.6	4.5	4.3	4.5	4.7	4.6	4.5	4.5	4.6	4.9	4.8	4.7	4.5	4.7	5.0	5.0	4.8
Europe	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
China	11.6	12.0	12.4	12.9	12.3	12.7	12.6	12.7	13.0	13.2	13.1	13.0	13.1	13.5	13.6	13.7	13.5
Other Asia	12.5	13.1	13.3	13.5	13.3	13.7	13.4	13.8	14.0	13.5	14.0	13.8	14.2	14.4	13.9	14.4	14.2
Americas	6.7	6.4	6.3	6.5	6.6	6.4	6.5	6.3	6.4	6.5	6.4	6.4	6.3	6.3	6.4	6.3	6.3
Middle East	8.5	8.5	8.2	8.7	8.9	8.2	8.5	8.1	8.5	8.7	8.3	8.4	8.1	8.6	8.9	8.2	8.5
Africa	4.2	4.3	4.4	4.3	4.2	4.3	4.3	4.3	4.3	4.2	4.4	4.3	4.5	4.4	4.3	4.4	4.4
Total Non-OECD	48.8	49.5	49.7	51.1	50.8	50.6	50.5	50.5	51.5	51.7	51.8	51.4	51.5	52.7	52.8	52.8	52.5
Total Demand¹	95.3	96.4	96.6	98.1	98.4	98.7	98.0	98.4	98.7	99.8	100.1	99.2	99.5	100.3	101.2	101.4	100.6
OECD SUPPLY																	
Americas ⁴	20.0	19.5	20.0	19.8	20.3	21.2	20.3	21.7	22.2	23.3	23.8	22.8	23.6	23.8	24.3	24.5	24.1
Europe	3.5	3.5	3.7	3.5	3.4	3.4	3.5	3.6	3.3	3.2	3.4	3.4	3.4	3.4	3.3	3.4	3.4
Asia Oceania	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Total OECD	23.9	23.4	24.0	23.7	24.0	25.0	24.2	25.7	25.9	26.9	27.7	26.6	27.5	27.7	28.2	28.5	28.0
NON-OECD SUPPLY																	
FSU	14.0	14.2	14.4	14.3	14.2	14.3	14.3	14.4	14.4	14.6	14.8	14.6	14.7	14.5	14.6	14.8	14.6
Europe	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
China	4.3	4.0	3.9	3.9	3.8	3.8	3.9	3.8	3.9	3.8	3.9	3.8	3.8	3.8	3.8	3.7	3.8
Other Asia ²	3.6	3.6	3.5	3.4	3.4	3.4	3.5	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2
Americas ^{2,4}	4.6	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.6	4.5	4.7	4.8	5.0	5.0	4.9
Middle East	3.3	3.3	3.2	3.2	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Africa ²	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.4	1.5
Total Non-OECD	31.4	31.1	31.1	30.9	30.8	30.9	30.9	30.9	31.0	31.0	31.4	31.1	31.3	31.1	31.3	31.6	31.4
Processing gains ³	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Global Biofuels	2.3	2.4	2.0	2.5	2.8	2.5	2.5	2.1	2.8	3.1	2.5	2.6	2.3	2.8	3.1	2.7	2.7
Total Non-OPEC Supply	59.8	59.1	59.4	59.4	60.0	60.7	59.9	61.0	62.0	63.3	63.9	62.6	63.4	64.0	65.0	65.2	64.4
OPEC																	
Crude	31.4	32.4	31.7	32.0	32.4	32.0	32.0	31.7	31.6	32.0	32.2	31.9					
NGLs	5.2	5.4	5.6	5.5	5.5	5.4	5.5	5.5	5.5	5.5	5.6	5.5	5.6	5.6	5.6	5.6	5.6
Total OPEC	36.6	37.8	37.2	37.5	37.9	37.4	37.5	37.3	37.1	37.6	37.7	37.4					
Total Supply⁴	96.4	96.9	96.6	96.9	97.8	98.2	97.4	98.3	99.1	100.9	101.7	100.0					
STOCK CHANGES AND MISCELLANEOUS																	
Reported OECD																	
Industry	0.8	0.0	0.3	-0.1	-0.5	-1.3	-0.4	-0.5	0.0	0.6	-0.1	0.0					
Government	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.1	-0.1	0.0	-0.2	-0.1					
Total	0.8	0.0	0.3	-0.2	-0.7	-1.4	-0.5	-0.4	-0.1	0.5	-0.3	-0.1					
Floating storage/Oil in transit	0.3	0.2	0.0	-0.1	0.5	1.0	0.4	-1.0	0.3	-0.3	0.6	0.0					
Miscellaneous to balance ⁵	0.1	0.3	-0.2	-0.9	-0.4	-0.1	-0.4	1.3	0.2	0.9	1.3	0.9					
Total Stock Ch. & Misc	1.1	0.5	0.1	-1.2	-0.6	-0.5	-0.6	-0.1	0.4	1.1	1.6	0.8					
Memo items:																	
Call on OPEC crude + Stock ch. ⁶	30.3	31.9	31.6	33.2	32.9	32.5	32.6	31.8	31.1	30.9	30.6	31.1	30.5	30.7	30.7	30.7	30.7

¹ Measured as deliveries from refineries and primary stocks, comprises inland deliveries, international marine bunkers, refinery fuel, crude for direct burning, oil from non-conventional sources and other sources of supply. Includes Biofuels.

² Other Asia includes Indonesia throughout. Latin America excludes Ecuador throughout. Africa excludes Angola, Gabon and Equatorial Guinea throughout.

³ Net volumetric gains and losses in the refining process and marine transportation losses.

⁴ Comprises crude oil, condensates, NGLs, oil from non-conventional sources and other sources of supply.

⁵ Includes changes in non-reported stocks in OECD and non-OECD areas.

⁶ Equals the arithmetic difference between total demand minus total non-OPEC supply minus OPEC NGLs.

Table 1a
WORLD OIL SUPPLY AND DEMAND: CHANGES FROM LAST MONTH'S TABLE 1

(million barrels per day)

	2015	2016	1Q17	2Q17	3Q17	4Q17	2017	1Q18	2Q18	3Q18	4Q18	2018	1Q19	2Q19	3Q19	4Q19	2019
OECD DEMAND																	
Americas	-	-	-	-	-	-	-	-	-	-	0.2	-	0.2	-	-	0.2	0.1
Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-
Asia Oceania	-	-	-	-	-	-	-	-	-	-	-0.1	-	-	-	-	-	-
Total OECD	-	-	-	-	-	-	-	-	-	-	0.1	-	0.1	-	-	0.2	0.1
NON-OECD DEMAND																	
FSU	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	0.1	-
Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-0.2	-	-	-	-	-0.1	-
Other Asia	-	-	-	-	-	-	-	-	-	-	-0.1	-	-	-	-	-	-
Americas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-0.1	-0.1
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-OECD	-	-	-	-	-	-	-	-	-	-	-0.1	-	-0.1	-0.1	-0.1	-0.2	-0.1
Total Demand	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-0.1	-0.1	-	-
OECD SUPPLY																	
Americas	-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.2	0.2	0.2	0.3	0.2
Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asia Oceania	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total OECD	-	-	-	-	-	-	-	-	-	-	0.3	0.1	0.2	0.2	0.3	0.3	0.3
NON-OECD SUPPLY																	
FSU	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-
Europe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Americas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-OECD	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-
Processing gains	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Global Biofuels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Non-OPEC Supply	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.3	0.2	0.3	0.3	0.3
OPEC																	
Crude	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NGLs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total OPEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Supply	-	-	-	-	-	-	-	-	-	-	0.4	0.1	-	-	-	-	-
STOCK CHANGES AND MISCELLANEOUS																	
REPORTED OECD																	
Industry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Government	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Floating storage/Oil in transit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous to balance	-	-	-	-	-	-	-	-0.1	-	-	-	-	-	-	-	-	-
Total Stock Ch. & Misc	-	-	-	-	-	-	-	-0.1	-	-	-	-	-	-	-	-	-
Memo items:																	
Call on OPEC crude + Stock ch.	-	-	-	-	-	-	-	0.1	-	-	-0.4	-0.1	-0.3	-0.3	-0.3	-0.3	-0.3

When submitting their monthly oil statistics, OECD Member countries periodically update data for prior periods. Similar updates to non-OECD data can occur. Changes do not reflect move from OPEC to Non-OPEC by Qatar

Table 2
SUMMARY OF GLOBAL OIL DEMAND

	2016	1Q17	2Q17	3Q17	4Q17	2017	1Q18	2Q18	3Q18	4Q18	2018	1Q19	2Q19	3Q19	4Q19	2019
Demand (mb/d)																
Americas	24.88	24.61	25.12	25.15	25.34	25.06	25.26	25.37	25.83	26.00	25.62	25.59	25.77	26.13	26.20	25.93
Europe	13.99	13.82	14.25	14.70	14.40	14.30	14.08	14.20	14.65	14.25	14.30	14.01	14.43	14.76	14.41	14.41
Asia Oceania	8.11	8.48	7.65	7.80	8.33	8.06	8.51	7.60	7.62	7.99	7.93	8.35	7.44	7.50	8.03	7.83
Total OECD	46.97	46.91	47.02	47.66	48.06	47.42	47.85	47.17	48.11	48.24	47.84	47.96	47.64	48.39	48.65	48.16
Asia	25.05	25.70	26.40	25.64	26.34	26.02	26.52	27.03	26.66	27.11	26.83	27.37	27.84	27.52	28.01	27.69
Middle East	8.49	8.24	8.67	8.88	8.23	8.51	8.11	8.45	8.70	8.30	8.39	8.14	8.60	8.86	8.20	8.45
Americas	6.44	6.34	6.46	6.56	6.45	6.45	6.33	6.36	6.46	6.42	6.39	6.27	6.34	6.39	6.34	6.34
FSU	4.51	4.30	4.51	4.73	4.60	4.54	4.48	4.64	4.91	4.83	4.72	4.53	4.72	4.97	4.98	4.80
Africa	4.25	4.36	4.29	4.19	4.26	4.28	4.33	4.28	4.17	4.40	4.30	4.47	4.42	4.28	4.44	4.40
Europe	0.72	0.72	0.75	0.76	0.76	0.75	0.73	0.74	0.77	0.79	0.76	0.75	0.77	0.79	0.79	0.78
Total Non-OECD	49.47	49.65	51.09	50.77	50.63	50.54	50.50	51.51	51.68	51.85	51.40	51.52	52.67	52.81	52.77	52.46
World	96.44	96.57	98.11	98.42	98.70	97.96	98.36	98.67	99.79	100.09	99.24	99.48	100.31	101.20	101.41	100.61
of which: US50	19.69	19.54	20.07	20.01	20.21	19.96	20.24	20.33	20.63	20.76	20.49	20.53	20.70	20.88	20.94	20.76
Europe 5*	8.15	8.16	8.28	8.44	8.24	8.28	8.21	8.21	8.32	8.23	8.24	8.15	8.27	8.40	8.29	8.28
China	11.99	12.44	12.88	12.33	12.65	12.58	12.75	13.02	13.19	13.12	13.02	13.13	13.45	13.64	13.66	13.47
Japan	4.01	4.30	3.58	3.63	4.06	3.89	4.27	3.43	3.53	3.90	3.78	4.17	3.34	3.45	3.89	3.71
India	4.44	4.46	4.67	4.42	4.72	4.57	4.82	4.91	4.52	4.85	4.77	5.05	5.15	4.76	5.08	5.01
Russia	3.33	3.14	3.31	3.50	3.34	3.32	3.29	3.39	3.63	3.55	3.47	3.32	3.45	3.68	3.62	3.52
Brazil	2.98	2.92	2.96	3.08	3.04	3.00	2.95	2.91	3.07	3.08	3.00	2.94	3.00	3.10	3.09	3.03
Saudi Arabia	3.30	2.93	3.41	3.62	3.13	3.27	2.93	3.18	3.32	3.04	3.12	2.83	3.31	3.49	3.07	3.18
Canada	2.47	2.37	2.36	2.52	2.52	2.45	2.32	2.34	2.56	2.57	2.45	2.36	2.36	2.57	2.55	2.46
Korea	2.61	2.62	2.49	2.57	2.65	2.58	2.63	2.55	2.48	2.43	2.52	2.56	2.48	2.44	2.49	2.49
Mexico	2.05	2.02	2.03	1.95	1.93	1.98	1.99	2.02	1.97	1.98	1.99	1.99	2.04	1.99	2.00	2.01
Iran	1.96	2.12	2.03	2.00	2.00	2.04	2.01	2.00	2.04	2.08	2.03	2.08	1.98	1.96	1.93	1.99
Total	66.98	67.03	68.08	68.09	68.51	67.93	68.40	68.30	69.27	69.59	68.89	69.12	69.51	70.36	70.62	69.91
% of World	69.4%	69.4%	69.4%	69.2%	69.4%	69.3%	69.5%	69.2%	69.4%	69.5%	69.4%	69.5%	69.3%	69.5%	69.6%	69.5%
Annual Change (% per annum)																
Americas	1.1	-0.5	2.1	-0.1	1.4	0.7	2.6	1.0	2.7	2.6	2.2	1.3	1.6	1.1	0.8	1.2
Europe	1.2	2.0	2.7	2.2	1.8	2.2	1.9	-0.4	-0.3	-1.0	0.0	-0.5	1.6	0.7	1.1	0.8
Asia Oceania	0.0	-1.4	-0.3	0.0	-0.2	-0.5	0.4	-0.7	-2.3	-4.1	-1.7	-1.9	-2.2	-1.6	0.6	-1.3
Total OECD	1.0	0.1	1.9	0.6	1.3	1.0	2.0	0.3	0.9	0.4	0.9	0.2	1.0	0.6	0.8	0.7
Asia	4.1	3.2	3.8	4.5	4.1	3.9	3.2	2.4	4.0	2.9	3.1	3.2	3.0	3.2	3.3	3.2
Middle East	-0.4	1.7	0.5	-0.3	-1.1	0.2	-1.6	-2.6	-2.0	0.8	-1.4	0.4	1.8	1.9	-1.1	0.7
Americas	-4.1	-0.2	0.0	0.5	0.7	0.2	-0.1	-1.6	-1.5	-0.4	-0.9	-1.0	-0.3	-1.2	-1.2	-0.9
FSU	-1.3	-1.1	3.6	0.9	-1.1	0.5	4.3	2.8	3.8	5.1	4.0	1.0	1.7	1.4	3.0	1.8
Africa	1.1	1.7	-0.1	1.0	-0.5	0.5	-0.6	-0.2	-0.3	3.2	0.5	3.3	3.1	2.5	0.9	2.4
Europe	4.8	1.7	2.2	4.2	4.3	3.1	2.5	-0.9	1.4	4.0	1.6	2.3	3.1	2.7	0.8	2.3
Total Non-OECD	1.4	1.9	2.3	2.4	1.9	2.2	1.7	0.8	1.8	2.4	1.7	2.0	2.3	2.2	1.8	2.1
World	1.2	1.0	2.1	1.5	1.6	1.6	1.9	0.6	1.4	1.4	1.3	1.1	1.7	1.4	1.3	1.4
Annual Change (mb/d)																
Americas	0.28	-0.11	0.51	-0.03	0.36	0.18	0.65	0.25	0.68	0.66	0.56	0.34	0.40	0.29	0.20	0.31
Europe	0.16	0.27	0.37	0.31	0.26	0.31	0.26	-0.05	-0.05	-0.15	0.00	-0.07	0.23	0.11	0.16	0.11
Asia Oceania	0.00	-0.12	-0.02	0.00	-0.02	-0.04	0.03	-0.05	-0.18	-0.34	-0.14	-0.16	-0.17	-0.12	0.04	-0.10
Total OECD	0.45	0.04	0.86	0.28	0.60	0.45	0.94	0.14	0.45	0.18	0.43	0.10	0.47	0.28	0.41	0.32
Asia	0.98	0.79	0.97	1.09	1.04	0.97	0.82	0.64	1.02	0.78	0.81	0.85	0.80	0.85	0.90	0.85
Middle East	-0.04	0.14	0.04	-0.03	-0.09	0.01	-0.13	-0.22	-0.18	0.07	-0.12	0.03	0.15	0.16	-0.10	0.06
Americas	-0.28	-0.01	0.00	0.03	0.04	0.02	-0.01	-0.10	-0.10	-0.03	-0.06	-0.06	-0.02	-0.08	-0.08	-0.06
FSU	-0.06	-0.05	0.16	0.04	-0.05	0.02	0.18	0.12	0.18	0.23	0.18	0.05	0.08	0.07	0.15	0.09
Africa	0.05	0.07	-0.01	0.04	-0.02	0.02	-0.03	-0.01	-0.01	0.14	0.02	0.14	0.13	0.11	0.04	0.10
Europe	0.03	0.01	0.02	0.03	0.03	0.02	0.02	-0.01	0.01	0.03	0.01	0.02	0.02	0.02	0.01	0.02
Total Non-OECD	0.68	0.95	1.17	1.21	0.95	1.07	0.85	0.42	0.92	1.21	0.85	1.02	1.17	1.13	0.92	1.06
World	1.13	0.99	2.03	1.49	1.55	1.52	1.79	0.56	1.37	1.39	1.28	1.12	1.64	1.41	1.33	1.38
Revisions to Oil Demand from Last Month's Report (mb/d)																
Americas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.05	0.15	-0.01	-0.02	0.18	0.08
Europe	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.01	-0.04	0.00	-0.01	0.00	0.00	0.09	0.02
Asia Oceania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.02	-0.02	-0.01	-0.01	-0.05	-0.02
Total OECD	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.01	0.08	0.03	0.12	-0.03	-0.03	0.22	0.07
Asia	0.00	0.00	0.00	0.00	0.00	0.00	0.03	-0.01	0.05	-0.22	-0.04	-0.05	-0.02	0.00	-0.17	-0.06
Middle East	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.04	-0.04	-0.03	-0.11	-0.06
Americas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01
FSU	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	0.11	0.02	-0.01	-0.01	-0.03	0.07	0.00
Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.00
Europe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Non-OECD	0.00	0.00	0.00	0.00	0.00	0.00	0.03	-0.01	0.03	-0.12	-0.02	-0.10	-0.07	-0.05	-0.23	-0.11
World	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.04	-0.04	0.01	0.02	-0.09	-0.08	0.00	-0.04
Revisions to Oil Demand Growth from Last Month's Report (mb/d)																
World	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.04	-0.04	0.01	-0.04	-0.09	-0.12	0.04	-0.05

* France, Germany, Italy, Spain and UK

Table 2a
OECD REGIONAL OIL DEMAND¹
(million barrels per day)

	2017	2018	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18 ²	Latest month vs.	
										Oct 18	Nov 17
Americas											
LPG and ethane	3.33	3.66	3.55	3.99	3.29	3.48	3.49	3.54	3.99	0.46	0.36
Naphtha	0.34	0.30	0.33	0.28	0.27	0.31	0.32	0.34	0.30	-0.03	-0.03
Motor gasoline	11.11	11.09	11.04	10.73	11.28	11.29	10.92	11.14	11.10	-0.04	0.18
Jet and kerosene	1.98	2.03	2.03	1.95	2.04	2.12	2.03	1.97	2.00	0.03	0.02
Gasoil/diesel oil	5.14	5.40	5.28	5.39	5.38	5.30	5.29	5.77	5.58	-0.19	0.16
Residual fuel oil	0.68	0.67	0.67	0.63	0.68	0.71	0.70	0.66	0.61	-0.05	-0.13
Other products	2.47	2.47	2.44	2.31	2.42	2.62	2.40	2.69	2.57	-0.12	0.09
Total	25.06	25.62	25.34	25.26	25.37	25.83	25.14	26.10	26.16	0.06	0.64
Europe											
LPG and ethane	1.12	1.15	1.11	1.24	1.11	1.14	1.07	1.06	1.09	0.03	0.00
Naphtha	1.18	1.08	1.22	1.19	1.04	1.06	1.05	0.93	0.90	-0.03	-0.32
Motor gasoline	1.89	1.93	1.85	1.82	2.00	2.01	1.92	1.90	1.92	0.03	0.05
Jet and kerosene	1.46	1.52	1.41	1.36	1.54	1.70	1.69	1.60	1.42	-0.18	0.08
Gasoil/diesel oil	6.48	6.47	6.64	6.45	6.33	6.44	6.44	6.80	6.74	-0.06	-0.10
Residual fuel oil	0.89	0.88	0.93	0.89	0.88	0.89	0.85	0.86	0.82	-0.04	-0.09
Other products	1.28	1.27	1.25	1.14	1.30	1.41	1.40	1.41	1.24	-0.18	-0.04
Total	14.30	14.30	14.40	14.08	14.20	14.65	14.42	14.55	14.13	-0.42	-0.42
Asia Oceania											
LPG and ethane	0.75	0.72	0.73	0.82	0.72	0.65	0.63	0.63	0.69	0.06	-0.03
Naphtha	2.04	1.99	2.13	2.04	1.92	1.97	2.00	1.97	2.02	0.04	-0.11
Motor gasoline	1.54	1.53	1.56	1.51	1.51	1.59	1.53	1.45	1.53	0.08	-0.03
Jet and kerosene	0.91	0.91	1.05	1.18	0.74	0.72	0.76	0.84	0.98	0.13	-0.09
Gasoil/diesel oil	1.89	1.92	1.95	1.95	1.90	1.88	1.88	1.86	2.02	0.16	-0.03
Residual fuel oil	0.58	0.56	0.58	0.66	0.49	0.52	0.48	0.55	0.51	-0.03	-0.07
Other products	0.35	0.30	0.32	0.35	0.32	0.30	0.24	0.23	0.22	-0.01	-0.11
Total	8.06	7.93	8.33	8.51	7.60	7.62	7.52	7.53	7.97	0.44	-0.47
OECD											
LPG and ethane	5.20	5.54	5.39	6.05	5.12	5.27	5.19	5.22	5.77	0.55	0.33
Naphtha	3.56	3.36	3.67	3.51	3.24	3.34	3.37	3.24	3.22	-0.02	-0.46
Motor gasoline	14.55	14.56	14.46	14.06	14.79	14.88	14.36	14.49	14.56	0.07	0.20
Jet and kerosene	4.35	4.45	4.48	4.49	4.33	4.54	4.47	4.41	4.39	-0.02	0.01
Gasoil/diesel oil	13.51	13.79	13.87	13.78	13.61	13.62	13.61	14.43	14.35	-0.08	0.03
Residual fuel oil	2.15	2.10	2.18	2.18	2.05	2.13	2.03	2.06	1.95	-0.12	-0.29
Other products	4.10	4.05	4.01	3.79	4.04	4.33	4.04	4.33	4.03	-0.30	-0.06
Total	47.42	47.84	48.06	47.85	47.17	48.11	47.07	48.18	48.26	0.08	-0.25

¹ Demand, measured as deliveries from refineries and primary stocks, comprises inland deliveries, international bunkers and refinery fuel. It includes crude for direct burning, oil from non-conventional sources and other sources of supply. Jet/kerosene comprises jet kerosene and non-aviation kerosene. Gasoil comprises diesel, light heating oil and other gasoils.

North America comprises US 50 states, US territories, Mexico and Canada.

² Latest official OECD submissions (MOS).

Table 2b
OIL DEMAND IN SELECTED OECD COUNTRIES¹
(million barrels per day)

	2017	2018	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18 ²	Latest month vs.	
										Oct 18	Nov 17
United States³											
LPG and ethane	2.54	2.86	2.73	3.12	2.58	2.68	2.67	2.78	3.22	0.44	0.42
Naphtha	0.23	0.23	0.22	0.21	0.20	0.24	0.25	0.27	0.22	-0.04	0.00
Motor gasoline	9.33	9.31	9.24	9.01	9.51	9.51	9.12	9.27	9.24	-0.03	0.13
Jet and kerosene	1.69	1.71	1.73	1.65	1.73	1.78	1.70	1.67	1.68	0.02	-0.01
Gasoil/diesel oil	3.93	4.15	4.05	4.18	4.13	4.05	4.01	4.38	4.26	-0.12	0.10
Residual fuel oil	0.34	0.31	0.34	0.28	0.32	0.34	0.36	0.31	0.28	-0.03	-0.12
Other products	1.90	1.91	1.89	1.78	1.86	2.04	1.85	2.11	1.99	-0.12	0.06
Total	19.96	20.49	20.21	20.24	20.33	20.63	19.95	20.77	20.89	0.12	0.59
Japan											
LPG and ethane	0.39	0.37	0.39	0.46	0.35	0.31	0.30	0.31	0.36	0.04	-0.04
Naphtha	0.77	0.73	0.79	0.75	0.66	0.70	0.71	0.78	0.82	0.04	0.01
Motor gasoline	0.88	0.87	0.89	0.84	0.85	0.92	0.87	0.82	0.84	0.01	-0.04
Jet and kerosene	0.51	0.49	0.62	0.73	0.37	0.33	0.36	0.42	0.55	0.12	-0.07
Diesel	0.43	0.45	0.44	0.43	0.44	0.45	0.47	0.47	0.48	0.01	0.03
Other gasoil	0.35	0.33	0.37	0.40	0.29	0.28	0.29	0.30	0.32	0.02	-0.06
Residual fuel oil	0.28	0.28	0.28	0.34	0.23	0.27	0.24	0.29	0.26	-0.03	-0.02
Other products	0.28	0.27	0.28	0.31	0.24	0.27	0.26	0.22	0.24	0.02	-0.04
Total	3.89	3.78	4.06	4.27	3.43	3.53	3.50	3.62	3.86	0.24	-0.23
Germany											
LPG and ethane	0.13	0.11	0.12	0.11	0.13	0.11	0.11	0.09	0.09	0.01	-0.03
Naphtha	0.38	0.32	0.38	0.35	0.32	0.30	0.28	0.27	0.27	0.01	-0.12
Motor gasoline	0.43	0.44	0.42	0.45	0.45	0.45	0.44	0.42	0.44	0.02	-0.01
Jet and kerosene	0.22	0.22	0.21	0.19	0.23	0.24	0.24	0.22	0.21	-0.01	0.01
Diesel	0.76	0.73	0.76	0.70	0.74	0.76	0.76	0.77	0.78	0.01	-0.02
Other gasoil	0.37	0.33	0.36	0.41	0.27	0.29	0.34	0.39	0.34	-0.05	-0.06
Residual fuel oil	0.08	0.08	0.10	0.09	0.08	0.07	0.05	0.05	0.06	0.00	-0.03
Other products	0.09	0.10	0.09	0.07	0.09	0.12	0.12	0.14	0.13	0.00	0.04
Total	2.46	2.33	2.43	2.37	2.30	2.34	2.33	2.35	2.32	-0.02	-0.23
Italy											
LPG and ethane	0.10	0.10	0.11	0.12	0.09	0.09	0.08	0.09	0.10	0.01	-0.01
Naphtha	0.09	0.07	0.09	0.09	0.06	0.07	0.09	0.05	0.01	-0.04	-0.09
Motor gasoline	0.16	0.16	0.15	0.15	0.17	0.17	0.15	0.16	0.15	-0.01	0.00
Jet and kerosene	0.11	0.11	0.09	0.09	0.11	0.13	0.13	0.12	0.09	-0.02	0.02
Diesel	0.47	0.50	0.48	0.50	0.50	0.49	0.48	0.52	0.50	-0.03	0.02
Other gasoil	0.08	0.08	0.09	0.07	0.08	0.09	0.09	0.10	0.09	-0.01	0.00
Residual fuel oil	0.08	0.08	0.07	0.08	0.08	0.07	0.07	0.08	0.08	0.00	0.00
Other products	0.15	0.17	0.16	0.15	0.17	0.18	0.18	0.19	0.18	-0.01	0.02
Total	1.24	1.27	1.25	1.25	1.27	1.29	1.28	1.32	1.20	-0.11	-0.04
France											
LPG and ethane	0.11	0.11	0.11	0.14	0.10	0.09	0.09	0.09	0.09	0.00	-0.02
Naphtha	0.11	0.12	0.08	0.12	0.14	0.13	0.11	0.09	0.08	-0.02	-0.01
Motor gasoline	0.18	0.19	0.18	0.17	0.20	0.20	0.19	0.20	0.19	-0.01	0.01
Jet and kerosene	0.16	0.17	0.15	0.15	0.17	0.19	0.19	0.18	0.15	-0.03	0.01
Diesel	0.72	0.71	0.72	0.70	0.71	0.70	0.68	0.75	0.71	-0.04	-0.01
Other gasoil	0.25	0.24	0.26	0.27	0.19	0.23	0.26	0.29	0.24	-0.05	-0.03
Residual fuel oil	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	-0.01	-0.01
Other products	0.12	0.12	0.11	0.10	0.13	0.14	0.14	0.16	0.13	-0.04	0.01
Total	1.71	1.71	1.66	1.71	1.69	1.74	1.70	1.82	1.64	-0.18	-0.03
United Kingdom											
LPG and ethane	0.14	0.13	0.13	0.14	0.14	0.12	0.13	0.12	0.13	0.01	0.00
Naphtha	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.00	0.00
Motor gasoline	0.29	0.28	0.28	0.27	0.29	0.28	0.30	0.26	0.31	0.05	0.01
Jet and kerosene	0.32	0.34	0.33	0.34	0.33	0.34	0.34	0.34	0.34	-0.01	0.02
Diesel	0.52	0.53	0.54	0.52	0.53	0.53	0.55	0.50	0.58	0.08	0.02
Other gasoil	0.14	0.14	0.14	0.13	0.15	0.16	0.16	0.15	0.17	0.03	0.02
Residual fuel oil	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.00	0.00
Other products	0.12	0.12	0.12	0.11	0.12	0.13	0.13	0.12	0.11	-0.01	-0.01
Total	1.58	1.60	1.60	1.57	1.62	1.61	1.65	1.54	1.69	0.16	0.06
Canada											
LPG and ethane	0.39	0.37	0.43	0.42	0.30	0.38	0.40	0.35	0.37	0.02	-0.08
Naphtha	0.10	0.06	0.10	0.06	0.05	0.05	0.05	0.05	0.05	0.00	-0.05
Motor gasoline	0.85	0.84	0.84	0.78	0.83	0.88	0.90	0.93	0.91	-0.02	0.05
Jet and kerosene	0.15	0.16	0.15	0.14	0.16	0.19	0.19	0.16	0.15	0.00	0.01
Diesel	0.29	0.26	0.29	0.26	0.27	0.26	0.27	0.25	0.26	0.01	-0.03
Other gasoil	0.27	0.32	0.30	0.28	0.29	0.34	0.36	0.44	0.38	-0.07	0.07
Residual fuel oil	0.06	0.07	0.05	0.06	0.09	0.07	0.06	0.08	0.08	0.01	0.03
Other products	0.35	0.36	0.36	0.32	0.36	0.38	0.36	0.37	0.37	0.01	0.00
Total	2.45	2.45	2.52	2.32	2.34	2.56	2.59	2.64	2.59	-0.05	0.00

¹ Demand, measured as deliveries from refineries and primary stocks, comprises inland deliveries, international bunkers and refinery fuel. It includes crude for direct burning, oil from non-conventional sources and other sources of supply. Jet/kerosene comprises jet kerosene and non-aviation kerosene. Gasoil comprises diesel, light heating oil and other gasoils.

² Latest official OECD submissions (MOS).

³ US figures exclude US territories.

Table 3
WORLD OIL PRODUCTION

(million barrels per day)

	2017	2018	2019	3Q18	4Q18	1Q19	2Q19	3Q19	Nov 18	Dec 18	Jan 19
OPEC											
Crude Oil											
Saudi Arabia	9.96	10.33		10.43	10.78				11.06	10.64	10.24
Iran	3.81	3.58		3.62	3.03				2.97	2.80	2.72
Iraq	4.47	4.56		4.65	4.65				4.60	4.70	4.69
UAE	2.93	3.00		3.00	3.26				3.32	3.25	3.07
Kuwait	2.71	2.75		2.79	2.78				2.77	2.80	2.72
Neutral Zone	0.00	0.00		0.00	0.00				0.00	0.00	0.00
Angola	1.64	1.49		1.48	1.45				1.42	1.46	1.44
Nigeria	1.53	1.60		1.62	1.63				1.61	1.63	1.61
Libya	0.83	0.97		0.90	1.08				1.11	0.99	0.89
Algeria	1.05	1.04		1.06	1.07				1.07	1.06	1.03
Congo	0.26	0.32		0.33	0.33				0.33	0.33	0.33
Gabon	0.20	0.19		0.19	0.18				0.17	0.18	0.21
Equatorial Guinea	0.13	0.12		0.12	0.11				0.12	0.11	0.11
Ecuador	0.53	0.52		0.53	0.52				0.52	0.52	0.51
Venezuela	1.97	1.40		1.33	1.30				1.30	1.29	1.26
Total Crude Oil	32.01	31.87		32.04	32.16				32.37	31.76	30.83
Total NGLs ¹	5.51	5.55	5.57	5.55	5.57	5.57	5.57	5.57	5.57	5.57	5.57
Total OPEC^{2,3}	37.52	37.42		37.59	37.73				37.94	37.33	36.40
NON-OPEC^{2,3}											
OECD											
Americas	20.32	22.75	24.06	23.28	23.80	23.59	23.83	24.35	23.96	23.80	23.46
United States	13.27	15.47	16.99	15.98	16.45	16.52	16.92	17.21	16.62	16.43	16.39
Mexico	2.23	2.08	1.91	2.07	1.95	1.94	1.92	1.90	1.94	1.93	1.94
Canada	4.82	5.20	5.15	5.23	5.39	5.12	4.98	5.23	5.39	5.43	5.11
Chile	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Europe	3.49	3.39	3.39	3.23	3.43	3.42	3.35	3.34	3.45	3.41	3.34
UK	1.01	1.03	1.11	0.95	1.05	1.10	1.11	1.07	1.05	1.05	1.06
Norway	1.97	1.85	1.76	1.79	1.86	1.80	1.72	1.74	1.88	1.85	1.76
Others	0.50	0.51	0.52	0.49	0.52	0.52	0.52	0.52	0.52	0.51	0.52
Asia Oceania	0.39	0.41	0.51	0.42	0.45	0.48	0.50	0.51	0.43	0.47	0.47
Australia	0.31	0.34	0.44	0.35	0.38	0.41	0.43	0.45	0.37	0.40	0.41
Others	0.07	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.06
Total OECD	24.20	26.56	27.96	26.94	27.68	27.49	27.68	28.19	27.85	27.68	27.27
NON-OECD											
Former USSR	14.30	14.56	14.65	14.60	14.83	14.75	14.46	14.57	14.88	14.92	14.92
Russia	11.32	11.49	11.59	11.59	11.75	11.61	11.48	11.55	11.70	11.78	11.71
Others	2.98	3.07	3.05	3.00	3.08	3.14	2.98	3.02	3.17	3.14	3.22
Asia²	7.34	7.17	6.99	7.10	7.17	7.05	7.03	6.96	7.22	7.14	7.07
China	3.87	3.83	3.78	3.81	3.86	3.81	3.81	3.76	3.87	3.84	3.83
Malaysia	0.72	0.72	0.69	0.69	0.71	0.68	0.69	0.68	0.72	0.72	0.68
India	0.86	0.84	0.82	0.83	0.82	0.82	0.82	0.82	0.82	0.83	0.81
Indonesia	0.84	0.80	0.77	0.80	0.79	0.77	0.77	0.76	0.82	0.78	0.78
Others	1.05	0.98	0.94	0.97	0.99	0.96	0.95	0.94	1.00	0.97	0.96
Europe	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Americas²	4.54	4.50	4.87	4.42	4.55	4.69	4.81	4.95	4.49	4.62	4.66
Brazil	2.74	2.70	3.07	2.63	2.73	2.87	3.00	3.16	2.67	2.79	2.84
Argentina	0.57	0.58	0.59	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59
Colombia	0.86	0.87	0.87	0.87	0.89	0.89	0.88	0.87	0.89	0.89	0.89
Others	0.37	0.35	0.33	0.33	0.35	0.34	0.34	0.33	0.35	0.35	0.34
Middle East^{2,4}	3.22	3.27	3.27	3.28	3.29	3.26	3.27	3.28	3.30	3.28	3.26
Oman	0.98	0.99	0.98	0.99	1.00	0.98	0.98	0.99	1.01	1.00	0.98
Qatar	1.97	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.01
Syria	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Yemen	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Others	0.21	0.21	0.21	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Africa	1.41	1.45	1.45	1.47	1.43	1.45	1.46	1.45	1.43	1.42	1.45
Egypt	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
Others	0.77	0.80	0.80	0.82	0.78	0.80	0.81	0.80	0.78	0.77	0.80
Total Non-OECD	30.93	31.07	31.36	30.99	31.40	31.32	31.14	31.33	31.44	31.50	31.48
Processing gains ⁵	2.29	2.32	2.35	2.32	2.32	2.35	2.35	2.35	2.32	2.32	2.35
Global Biofuels	2.46	2.62	2.73	3.05	2.53	2.26	2.83	3.10	2.52	2.33	2.25
TOTAL NON-OPEC	59.88	62.58	64.39	63.30	63.92	63.42	64.00	64.97	64.13	63.83	63.35
TOTAL SUPPLY	97.40	99.99		100.89	101.65				102.07	101.16	99.74

¹ Includes condensates reported by OPEC countries, oil from non-conventional sources, e.g. NGLs in Qatar and Nigeria and non-oil inputs to Saudi Arabian MTBE.

² Latin America excludes Ecuador throughout. Africa excludes Angola, Congo, Gabon and Equatorial Guinea throughout. Asia includes Indonesia throughout.

³ Comprises crude oil, condensates, NGLs and oil from non-conventional sources

⁴ Includes small amounts of production from Jordan and Bahrain.

⁵ Net volumetric gains and losses in refining and marine transportation losses.

Table 3a
OIL SUPPLY IN OECD COUNTRIES¹

(thousand of barrels per day)

	2017	2018	2019	3Q18	4Q18	1Q19	2Q19	3Q19	Nov 18	Dec 18	Jan 19
United States											
Alaska	495	478	458	431	489	495	463	407	497	484	491
California	492	478	469	476	478	475	471	468	479	477	476
Texas	3487	4429	5248	4573	4807	4985	5165	5331	4835	4866	4905
Federal Gulf of Mexico ²	1679	1735	1845	1848	1838	1876	1853	1853	1922	1862	1874
Other US Lower 48	3199	3835	4106	3913	4175	4086	4071	4129	4168	4219	4143
NGLs ³	3783	4346	4693	4536	4531	4461	4681	4822	4571	4442	4321
Other Hydrocarbons	134	173	173	199	129	144	219	199	152	82	182
Total	13268	15473	16993	15976	16448	16521	16923	17210	16624	16432	16392
Canada											
Alberta Light/Medium/Heavy	446	489	498	491	501	500	499	497	500	500	501
Alberta Bitumen	1647	1856	1654	1942	1917	1616	1655	1683	1885	1917	1671
Saskatchewan	486	479	462	478	467	465	463	461	471	465	466
Other Crude	372	415	532	409	422	498	535	534	399	456	487
NGLs	839	899	903	891	912	956	845	896	895	919	948
Synthetic Crudes	1026	1056	1103	1014	1174	1089	981	1158	1243	1173	1042
Total	4815	5195	5152	5225	5392	5124	4979	5228	5393	5430	5115
Mexico											
Crude	1948	1833	1681	1830	1738	1709	1688	1669	1717	1729	1721
NGLs	280	238	225	240	211	222	228	225	214	199	215
Total	2233	2077	1911	2075	1954	1936	1921	1899	1935	1933	1941
UK Offshore⁵											
Brent Fields	40	37	34	41	36	39	37	30	40	39	39
Forties Fields	425	359	343	324	317	353	359	329	274	302	334
Ninian Fields	39	37	33	40	33	35	34	33	36	35	36
Flotta Fields	24	19	20	18	21	20	20	19	22	21	20
Other Fields	365	455	563	414	518	535	541	546	544	536	513
NGLs	92	93	90	84	93	92	91	89	103	87	93
Total	985	1001	1083	922	1019	1075	1082	1046	1019	1020	1035
Norway⁵											
Ekofisk-Ula Area	204	193	175	199	193	190	155	182	194	193	191
Oseberg-Troll Area	297	244	227	248	248	189	237	239	247	240	141
Statfjord-Gullfaks Area	337	310	256	306	304	302	242	235	295	311	305
Haltenbanken Area	309	332	327	320	331	334	329	325	338	333	337
Sleipner-Frigg Area	440	404	410	368	413	416	411	406	416	419	415
NGLs	381	365	343	353	367	358	338	339	382	345	364
Total	1969	1850	1757	1793	1862	1799	1723	1738	1882	1849	1762
Other OECD Europe											
Other N Sea Crude/NGLs ⁶	152	129	130	118	136	134	132	129	139	135	135
UK Onshore	19	18	17	18	18	17	17	17	19	18	18
Italy	78	90	107	84	88	96	103	111	88	90	93
Turkey	49	55	57	57	57	57	57	57	58	56	57
Other	118	117	109	116	115	112	111	108	116	112	113
NGLs (excl. North Sea)	12	11	12	8	12	12	12	12	11	11	13
Non-Conventional Oils	75	87	85	91	84	85	85	85	84	84	84
Total	503	507	517	491	511	513	518	519	515	506	513
Australia											
Gippsland Basin	35	33	35	37	36	36	35	35	36	36	36
Cooper-Eromanga Basin	30	35	34	36	35	35	34	34	35	35	35
Carnarvon Basin	196	209	227	202	229	230	228	225	229	229	230
Other Crude	-1	6	9	7	-1	9	9	9	-6	9	9
NGLs	52	53	81	58	58	69	77	85	53	65	66
Total	315	345	442	346	384	414	432	450	373	404	408
Other OECD Asia Oceania											
New Zealand	31	24	21	26	23	22	21	20	22	23	22
Japan	4	3	3	3	3	3	3	3	3	3	3
NGLs	13	13	12	14	12	12	12	12	12	13	11
Synthetic Fuels	25	29	27	32	27	27	27	27	25	28	27
Total	74	70	62	75	65	63	63	62	62	67	63
OECD											
Crude Oil	17477	19182	20197	19409	20049	19947	20069	20230	20087	20217	19890
NGLs	5426	5995	6337	6157	6175	6159	6261	6458	6218	6060	6007
Non-Conventional Oils ⁴	1293	1382	1425	1371	1452	1382	1350	1507	1542	1405	1373
Total	24196	26559	27959	26937	27677	27488	27679	28195	27847	27682	27270

¹ Subcategories refer to crude oil only unless otherwise noted.

² Only production from Federal waters is included.

³ To the extent possible, condensates from natural gas processing plants are included with NGLs, while field condensates are counted as crude oil.

⁴ Does not include biofuels.

⁵ North Sea production is grouped by area including all fields being processed through the named field complex, ie, not just the field of that name.

⁶ Other North Sea NGLs is included.

Table 4
OECD INDUSTRY STOCKS¹ AND QUARTERLY STOCK CHANGES

	RECENT MONTHLY STOCKS ²					PRIOR YEARS' STOCKS ²			STOCK CHANGES			
	in Million Barrels					in Million Barrels			in mb/d			
	Aug2018	Sep2018	Oct2018	Nov2018	Dec2018*	Dec2015	Dec2016	Dec2017	1Q2018	2Q2018	3Q2018	4Q2018
OECD Americas												
Crude	566.8	572.3	595.8	610.9	608.3	609.0	646.1	581.4	0.04	-0.14	0.00	0.39
Motor Gasoline	267.6	270.2	261.2	257.6	275.6	268.0	269.5	267.9	0.06	-0.07	0.04	0.06
Middle Distillate	205.1	216.2	196.2	193.8	206.3	235.9	238.2	219.2	-0.15	-0.16	0.27	-0.11
Residual Fuel Oil	34.2	35.2	34.9	35.1	34.7	49.5	48.2	35.2	0.06	-0.06	0.00	0.00
Total Products ³	741.9	764.7	733.7	717.9	731.2	774.7	775.1	734.5	-0.35	0.06	0.61	-0.36
Total ⁴	1506.6	1541.3	1532.8	1527.1	1531.8	1560.9	1598.5	1498.3	-0.34	0.03	0.76	-0.10
OECD Europe												
Crude	341.5	326.7	329.9	328.2	325.3	361.3	343.5	329.8	0.16	0.12	-0.31	-0.01
Motor Gasoline	83.5	85.1	86.9	89.2	94.1	92.4	98.6	98.8	-0.03	-0.14	0.01	0.10
Middle Distillate	278.2	273.5	253.6	247.1	256.4	304.3	305.6	271.3	-0.03	-0.12	0.17	-0.19
Residual Fuel Oil	60.8	58.2	57.8	59.4	57.7	72.3	71.2	59.0	0.03	-0.01	-0.03	-0.01
Total Products ³	541.2	535.3	516.4	512.7	526.6	566.3	574.8	543.1	0.03	-0.27	0.16	-0.10
Total ⁴	961.2	938.0	925.1	920.3	931.0	993.1	989.5	942.8	0.25	-0.13	-0.22	-0.08
OECD Asia Oceania												
Crude	157.6	139.8	157.0	161.0	152.8	205.8	191.6	188.8	-0.31	0.01	-0.24	0.14
Motor Gasoline	23.7	24.0	26.3	25.0	23.8	23.1	24.0	22.8	0.01	0.00	0.00	0.00
Middle Distillate	73.0	77.7	73.9	78.1	70.4	65.9	63.3	62.9	-0.01	0.04	0.13	-0.08
Residual Fuel Oil	19.1	19.5	18.5	19.8	20.8	21.2	17.6	19.0	-0.01	0.03	-0.01	0.01
Total Products ³	173.1	184.3	182.3	187.6	177.6	165.9	161.9	164.7	-0.04	0.04	0.22	-0.07
Total ⁴	396.7	389.5	404.3	416.0	395.0	434.7	414.4	412.0	-0.38	0.11	0.02	0.06
Total OECD												
Crude	1065.9	1038.8	1082.7	1100.1	1086.4	1176.1	1181.1	1100.1	-0.11	-0.01	-0.55	0.52
Motor Gasoline	374.8	379.3	374.4	371.7	393.5	383.5	392.0	389.5	0.05	-0.20	0.05	0.15
Middle Distillate	556.3	567.3	523.7	519.0	533.1	606.1	607.1	553.4	-0.19	-0.24	0.58	-0.37
Residual Fuel Oil	114.0	112.9	111.2	114.3	113.2	143.0	137.0	113.2	0.09	-0.04	-0.04	0.00
Total Products ³	1456.1	1484.3	1432.3	1418.2	1435.4	1506.9	1511.7	1442.3	-0.36	-0.18	0.98	-0.53
Total ⁴	2864.4	2868.8	2862.2	2863.4	2857.8	2988.7	3002.3	2853.1	-0.46	0.01	0.56	-0.12

OECD GOVERNMENT-CONTROLLED STOCKS⁵ AND QUARTERLY STOCK CHANGES

	RECENT MONTHLY STOCKS ²					PRIOR YEARS' STOCKS ²			STOCK CHANGES			
	in Million Barrels					in Million Barrels			in mb/d			
	Aug2018	Sep2018	Oct2018	Nov2018	Dec2018*	Dec2015	Dec2016	Dec2017	1Q2018	2Q2018	3Q2018	4Q2018
OECD Americas												
Crude	660.0	660.0	654.8	649.6	649.1	695.1	695.1	662.8	0.03	-0.06	0.00	-0.12
Products	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.00	0.00	0.00	0.00
OECD Europe												
Crude	208.2	209.1	210.2	209.3	208.4	206.9	205.6	206.0	0.02	0.01	0.01	-0.01
Products	271.2	269.4	265.6	264.5	264.3	263.5	273.3	270.6	0.04	-0.01	-0.04	-0.06
OECD Asia Oceania												
Crude	383.3	383.4	382.7	380.8	381.1	382.2	384.1	384.4	-0.01	0.00	0.00	-0.03
Products	38.7	38.7	38.7	38.7	38.8	34.2	37.1	38.7	0.00	0.00	0.00	0.00
Total OECD												
Crude	1251.5	1252.5	1247.7	1239.7	1238.5	1284.2	1284.7	1253.2	0.04	-0.05	0.01	-0.15
Products	311.9	310.2	306.3	305.2	305.1	299.7	312.4	311.3	0.04	-0.01	-0.04	-0.06
Total ⁴	1563.4	1562.7	1554.0	1544.9	1543.6	1583.9	1597.1	1564.5	0.08	-0.06	-0.05	-0.21

* estimated

1 Stocks are primary national territory stocks on land (excluding utility stocks and including pipeline and entrepot stocks where known) and include stocks held by industry to meet IEA, EU and national emergency reserve commitments and are subject to government control in emergencies.

2 Closing stock levels.

3 Total products includes gasoline, middle distillates, fuel oil and other products.

4 Total includes NGLs, refinery feedstocks, additives/oxygenates and other hydrocarbons.

5 Includes government-owned stocks and stock holding organisation stocks held for emergency purposes.

Table 4a
INDUSTRY STOCKS¹ ON LAND IN SELECTED COUNTRIES
(million barrels)

	July			August			September			October			November		
	2017	2018	%	2017	2018	%	2017	2018	%	2017	2018	%	2017	2018	%
United States²															
Crude	483.4	409.3	-15.3	460.0	406.9	-11.5	469.6	416.1	-11.4	459.7	432.5	-5.9	453.1	448.6	-1.0
Motor gasoline	232.9	233.9	0.4	226.8	236.1	4.1	223.2	239.7	7.4	215.9	232.1	7.5	224.9	230.0	2.3
Middle distillate	194.3	169.5	-12.8	190.0	175.7	-7.5	182.7	186.5	2.1	173.8	168.8	-2.9	176.3	168.3	-4.5
Residual fuel oil	31.2	29.3	-6.1	32.7	27.8	-15.0	33.6	28.6	-14.9	30.0	29.2	-2.7	29.8	29.8	0.0
Other products	206.7	202.6	-2.0	221.3	213.3	-3.6	217.8	222.1	2.0	216.1	220.7	2.1	206.4	209.6	1.6
Total products	665.1	635.3	-4.5	670.8	652.9	-2.7	657.3	676.9	3.0	635.8	650.8	2.4	637.4	637.7	0.0
Other ³	171.1	167.6	-2.0	177.8	171.8	-3.4	177.3	178.6	0.7	176.8	177.9	0.6	171.7	174.5	1.6
Total	1319.6	1212.2	-8.1	1308.6	1231.6	-5.9	1304.2	1271.6	-2.5	1272.3	1261.2	-0.9	1262.2	1260.8	-0.1
Japan															
Crude	103.7	97.1	-6.4	102.0	97.0	-4.9	97.5	84.5	-13.3	100.4	98.8	-1.6	100.7	100.7	0.0
Motor gasoline	10.3	9.3	-9.7	10.5	9.9	-5.7	10.3	10.3	0.0	9.9	10.4	5.1	10.9	11.0	0.9
Middle distillate	32.2	30.0	-6.8	35.1	34.2	-2.6	35.5	35.9	1.1	37.3	35.9	-3.8	34.7	39.3	13.3
Residual fuel oil	8.4	7.4	-11.9	8.6	7.9	-8.1	8.1	8.1	0.0	8.4	8.1	-3.6	8.9	8.2	-7.9
Other products	40.4	33.4	-17.3	42.4	35.0	-17.5	38.6	39.6	2.6	37.2	38.5	3.5	37.8	37.9	0.3
Total products	91.3	80.1	-12.3	96.6	87.0	-9.9	92.5	93.9	1.5	92.8	92.9	0.1	92.3	96.4	4.4
Other ³	54.6	53.6	-1.8	55.6	56.6	1.8	53.4	56.5	5.8	54.0	55.3	2.4	52.8	57.0	8.0
Total	249.6	230.8	-7.5	254.2	240.6	-5.4	243.4	234.9	-3.5	247.2	247.0	-0.1	245.8	254.1	3.4
Germany															
Crude	47.3	48.3	2.1	48.1	47.4	-1.5	45.9	46.5	1.3	45.0	48.1	6.9	47.5	45.9	-3.4
Motor gasoline	10.1	9.8	-3.0	9.4	10.0	6.4	8.9	9.8	10.1	9.5	9.7	2.1	8.9	9.8	10.1
Middle distillate	25.9	25.3	-2.3	25.0	25.6	2.4	23.0	23.8	3.5	23.2	21.7	-6.5	20.4	22.4	9.8
Residual fuel oil	7.2	7.9	9.7	7.3	7.6	4.1	8.0	7.2	-10.0	8.0	7.3	-8.8	7.7	8.0	3.9
Other products	9.9	10.5	6.1	10.5	10.8	2.9	10.5	10.7	1.9	10.7	9.8	-8.4	10.0	10.1	1.0
Total products	53.1	53.5	0.8	52.2	54.0	3.4	50.4	51.5	2.2	51.4	48.5	-5.6	47.0	50.3	7.0
Other ³	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
Total	100.4	101.8	1.4	100.3	101.4	1.1	96.3	98.0	1.8	96.4	96.6	0.2	94.5	96.2	1.8
Italy															
Crude	38.6	46.8	21.2	36.3	44.3	22.0	35.4	39.6	11.9	35.1	40.1	14.2	37.5	38.5	2.7
Motor gasoline	11.6	11.8	1.7	12.2	12.2	0.0	12.7	11.6	-8.7	12.5	13.0	4.0	12.7	12.8	0.8
Middle distillate	33.6	27.2	-19.0	35.3	28.6	-19.0	33.2	27.8	-16.3	30.2	27.1	-10.3	28.7	27.9	-2.8
Residual fuel oil	9.3	10.2	9.7	9.7	9.5	-2.1	9.0	8.8	-2.2	9.3	8.4	-9.7	9.0	8.8	-2.2
Other products	13.1	12.7	-3.1	13.8	13.0	-5.8	13.5	12.4	-8.1	13.3	12.3	-7.5	12.9	11.9	-7.8
Total products	67.6	61.9	-8.4	71.0	63.3	-10.8	68.4	60.6	-11.4	65.3	60.8	-6.9	63.3	61.4	-3.0
Other ³	16.7	14.6	-12.6	16.1	15.8	-1.9	16.3	15.3	-6.1	16.6	15.3	-7.8	16.5	14.8	-10.3
Total	122.9	123.3	0.3	123.4	123.4	0.0	120.1	115.5	-3.8	117.0	116.2	-0.7	117.3	114.7	-2.2
France															
Crude	13.8	13.7	-0.7	11.1	11.0	-0.9	11.8	10.8	-8.5	10.8	12.9	19.4	10.5	11.3	7.6
Motor gasoline	4.4	3.2	-27.3	5.0	4.2	-16.0	3.7	4.7	27.0	4.5	3.6	-20.0	4.7	4.2	-10.6
Middle distillate	20.9	19.6	-6.2	23.3	20.0	-14.2	19.2	19.6	2.1	19.6	16.5	-15.8	18.9	17.0	-10.1
Residual fuel oil	1.2	0.8	-33.3	1.7	1.0	-41.2	1.4	1.2	-14.3	1.0	1.0	0.0	1.2	1.0	-16.7
Other products	4.2	3.7	-11.9	4.2	3.9	-7.1	3.9	4.2	7.7	4.0	4.0	0.0	3.9	4.6	17.9
Total products	30.7	27.3	-11.1	34.2	29.1	-14.9	28.2	29.7	5.3	29.1	25.1	-13.7	28.7	26.8	-6.6
Other ³	8.3	9.1	9.6	7.6	8.3	9.2	8.0	7.9	-1.3	7.9	7.9	0.0	7.6	7.5	-1.3
Total	52.8	50.1	-5.1	52.9	48.4	-8.5	48.0	48.4	0.8	47.8	45.9	-4.0	46.8	45.6	-2.6
United Kingdom															
Crude	29.2	31.3	7.2	31.0	30.5	-1.6	28.1	28.1	0.0	29.0	28.6	-1.4	32.1	27.8	-13.4
Motor gasoline	9.0	10.3	14.4	9.8	9.6	-2.0	9.7	9.6	-1.0	10.1	9.5	-5.9	9.6	9.5	-1.0
Middle distillate	26.0	25.1	-3.5	25.2	25.5	1.2	24.5	25.2	2.9	24.7	23.8	-3.6	25.0	22.9	-8.4
Residual fuel oil	1.0	1.4	40.0	1.2	1.5	25.0	1.3	1.3	0.0	1.6	1.3	-18.8	1.5	1.2	-20.0
Other products	5.2	6.5	25.0	5.3	6.3	18.9	5.4	6.1	13.0	5.4	6.7	24.1	6.0	6.2	3.3
Total products	41.2	43.3	5.1	41.5	42.9	3.4	40.9	42.2	3.2	41.8	41.3	-1.2	42.1	39.8	-5.5
Other ³	9.7	7.6	-21.6	8.0	7.8	-2.5	8.4	8.3	-1.2	8.6	8.1	-5.8	8.0	8.4	5.0
Total	80.1	82.2	2.6	80.5	81.2	0.9	77.4	78.6	1.6	79.4	78.0	-1.8	82.2	76.0	-7.5
Canada⁴															
Crude	118.6	116.9	-1.4	114.7	126.0	9.9	112.6	120.6	7.1	111.8	120.5	7.8	118.0	119.4	1.2
Motor gasoline	15.0	15.8	5.3	15.3	15.1	-1.3	15.3	16.5	7.8	17.1	16.4	-4.1	15.8	16.2	2.5
Middle distillate	17.3	18.3	5.8	16.6	18.4	10.8	17.2	18.3	6.4	16.6	17.3	4.2	16.0	16.7	4.4
Residual fuel oil	2.1	2.2	4.8	2.1	2.4	14.3	2.6	2.3	-11.5	2.3	2.1	-8.7	1.8	2.0	11.1
Other products	13.7	12.2	-10.9	13.6	12.3	-9.6	14.0	12.5	-10.7	13.6	12.0	-11.8	12.0	12.9	7.5
Total products	48.1	48.5	0.8	47.6	48.2	1.3	49.1	49.6	1.0	49.6	47.8	-3.6	45.6	47.8	4.8
Other ³	21.5	24.0	11.6	23.8	25.8	8.4	24.0	25.3	5.4	23.2	25.2	8.6	21.0	23.5	11.9
Total	188.2	189.4	0.6	186.1	200.0	7.5	185.7	195.5	5.3	184.6	193.5	4.8	184.6	190.7	3.3

¹ Stocks are primary national territory stocks on land (excluding utility stocks and including pipeline and entropot stocks where known) and include stocks held by industry to meet IEA, EU and national emergency reserve commitments and are subject to government control in emergencies.

² US figures exclude US territories.

³ Other includes NGLs, refinery feedstocks, additives/oxygenates and other hydrocarbons.

⁴ Canadian stock information for recent months is the administration's best estimate. Data are usually finalised three months after first publication.

Table 5
TOTAL STOCKS ON LAND IN OECD COUNTRIES¹
(millions of barrels¹ and 'days'²)

	End December 2017		End March 2018		End June 2018		End September 2018		End December 2018 ³	
	Stock Level	Days Fwd ² Demand	Stock Level	Days Fwd Demand	Stock Level	Days Fwd Demand	Stock Level	Days Fwd Demand	Stock Level	Days Fwd Demand
OECD Americas										
Canada	189.2	81	191.9	82	190.3	74	195.5	-	-	-
Chile	11.5	31	10.8	29	12.3	34	11.6	-	-	-
Mexico	43.8	22	47.3	23	39.1	20	40.6	-	-	-
United States ⁴	1896.6	94	1863.8	92	1869.2	91	1933.6	-	-	-
Total⁴	2163.2	86	2135.9	84	2133.1	83	2203.3	85	2182.8	85
OECD Asia Oceania										
Australia	34.2	29	40.3	33	42.4	35	42.6	-	-	-
Israel	-	-	-	-	-	-	-	-	-	-
Japan	562.8	132	538.6	157	549.4	155	561.2	-	-	-
Korea	230.6	88	213.0	84	209.6	84	200.0	-	-	-
New Zealand	7.4	41	8.0	50	8.4	50	7.8	-	-	-
Total	835.1	98	800.0	105	809.8	106	811.6	102	814.8	98
OECD Europe⁵										
Austria	21.4	84	23.0	83	21.2	74	20.2	-	-	-
Belgium	41.4	59	46.2	75	43.8	70	44.5	-	-	-
Czech Republic	21.5	108	22.7	104	21.4	97	21.5	-	-	-
Denmark	23.4	152	22.1	137	22.8	141	20.8	-	-	-
Estonia	3.0	113	2.5	81	2.6	89	2.6	-	-	-
Finland	41.1	186	41.0	190	40.8	183	40.0	-	-	-
France	165.7	97	166.0	98	168.5	97	164.6	-	-	-
Germany	278.8	118	279.9	121	278.2	119	273.0	-	-	-
Greece	32.4	116	33.3	115	32.1	99	34.4	-	-	-
Hungary	25.4	152	26.1	147	25.2	138	25.6	-	-	-
Ireland	11.0	68	11.4	73	10.0	67	9.9	-	-	-
Italy	125.1	100	125.8	99	125.4	97	124.5	-	-	-
Latvia	2.5	67	3.1	72	3.6	79	2.3	-	-	-
Luxembourg	0.6	10	0.6	9	0.4	7	0.5	-	-	-
Netherlands	142.5	154	147.8	159	142.4	151	143.8	-	-	-
Norway	23.3	92	27.2	126	26.4	99	24.1	-	-	-
Poland	71.8	113	75.0	111	75.7	105	74.1	-	-	-
Portugal	22.9	99	24.8	106	23.8	94	23.5	-	-	-
Slovak Republic	11.4	146	12.1	132	11.6	135	12.0	-	-	-
Slovenia	5.2	99	5.1	92	4.9	85	4.8	-	-	-
Spain	119.5	91	124.7	94	117.9	88	119.7	-	-	-
Sweden	35.6	127	38.7	115	37.7	119	34.5	-	-	-
Switzerland	33.9	159	33.1	158	33.6	159	33.0	-	-	-
Turkey	83.2	90	84.1	87	90.1	80	87.0	-	-	-
United Kingdom	80.1	51	79.0	49	83.4	52	78.5	-	-	-
Total	1422.6	101	1455.1	102	1443.5	99	1419.1	100	1405.7	100
Total OECD	4420.8	92	4391.1	93	4386.4	91	4434.0	92	4403.3	92
DAYS OF IEA Net Imports⁶ -	187	-	186	-	190	-	191	-	-	-

¹ Total Stocks are industry and government-controlled stocks (see breakdown in table below). Stocks are primary national territory stocks on land (excluding utility stocks and including pipeline and entropot stocks where known) they include stocks held by industry to meet IEA, EU and national emergency reserves commitments and are subject to government control in emergencies.

² Note that days of forward demand represent the stock level divided by the forward quarter average daily demand and is very different from the days of net imports used for the calculation of IEA Emergency Reserves.

³ End December 2018 forward demand figures are IEA Secretariat forecasts.

⁴ US figures exclude US territories. Total includes US territories.

⁵ Data not available for Iceland.

⁶ Reflects stock levels and prior calendar year's net imports adjusted according to IEA emergency reserve definitions (see www.iea.org/netimports.asp). Net exporting IEA countries are excluded.

TOTAL OECD STOCKS

CLOSING STOCKS	Total	Government ¹ controlled		Industry	Total	Government ¹ controlled	
		Millions of Barrels				Days of Fwd. Demand ²	
4Q2015	4577	1588	2989	2989	98	34	64
1Q2016	4633	1595	3039	3039	100	35	66
2Q2016	4668	1592	3076	3076	99	34	65
3Q2016	4679	1596	3084	3084	99	34	65
4Q2016	4602	1600	3002	3002	98	34	64
1Q2017	4630	1600	3031	3031	98	34	64
2Q2017	4608	1588	3019	3019	97	33	63
3Q2017	4547	1578	2969	2969	95	33	62
4Q2017	4421	1568	2853	2853	92	33	60
1Q2018	4391	1575	2816	2816	93	33	60
2Q2018	4386	1570	2817	2817	91	33	59
3Q2018	4434	1565	2869	2869	92	32	59
4Q2018	4403	1546	2858	2858	92	32	60

¹ Includes government-owned stocks and stock holding organisation stocks held for emergency purposes.

² Days of forward demand calculated using actual demand except in 4Q2018 (when latest forecasts are used).

Table 6
IEA MEMBER COUNTRY DESTINATIONS OF SELECTED CRUDE STREAMS¹

(million barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	change
Saudi Light & Extra Light												
Americas	0.63	0.69	0.59	0.47	0.54	0.79	0.64	0.69	0.73	0.59	0.46	0.13
Europe	0.78	0.79	0.69	0.68	0.58	0.70	0.76	0.79	0.71	0.66	0.85	-0.19
Asia Oceania	1.25	1.40	1.56	1.53	1.50	1.42	1.36	1.26	1.57	1.42	1.63	-0.21
Saudi Medium												
Americas	0.37	0.44	0.33	0.27	0.20	0.28	0.37	0.34	0.35	0.31	0.36	-0.05
Europe	0.03	0.01	0.01	0.02	0.02	0.01	0.01	-	-	-	-	-
Asia Oceania	0.44	0.41	0.37	0.41	0.40	0.42	0.41	0.43	0.46	0.39	0.40	-0.01
Canada Heavy												
Americas	1.90	2.04	2.23	2.17	2.33	2.48	2.39	2.33	2.39	2.48	1.99	0.50
Europe	0.01	0.01	0.02	0.04	0.03	0.04	0.05	0.07	0.02	-	0.06	-
Asia Oceania	-	-	-	-	0.00	0.00	-	-	-	0.01	-	-
Iraqi Basrah Light²												
Americas	0.17	0.42	0.63	0.75	0.66	0.63	0.41	0.42	0.45	0.32	0.77	-0.45
Europe	0.72	0.81	0.76	0.70	0.65	0.61	0.87	0.89	0.98	0.94	0.65	0.29
Asia Oceania	0.41	0.46	0.40	0.39	0.42	0.48	0.42	0.38	0.41	0.43	0.42	0.01
Kuwait Blend												
Americas	0.13	0.14	0.11	0.03	0.03	0.04	-	-	-	-	-	-
Europe	0.13	0.19	0.20	0.14	0.13	0.08	0.17	0.18	0.09	0.16	0.07	0.09
Asia Oceania	0.65	0.66	0.68	0.67	0.68	0.66	0.67	0.71	0.61	0.63	0.74	-0.11
Iranian Light												
Americas	-	-	-	-	-	-	-	-	-	-	-	-
Europe	0.09	0.21	0.27	0.20	0.24	0.26	0.13	0.11	0.06	-	0.24	-
Asia Oceania	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.03	-	-	-	-
Iranian Heavy³												
Americas	-	-	-	-	-	-	-	-	-	-	-	-
Europe	0.02	0.21	0.52	0.54	0.42	0.44	0.41	0.29	0.32	0.01	0.61	-0.61
Asia Oceania	0.27	0.52	0.57	0.54	0.49	0.36	0.24	0.12	0.05	-	0.54	-
BFOE												
Americas	0.01	0.02	0.02	0.01	-	0.00	0.00	-	-	-	-	-
Europe	0.49	0.44	0.45	0.52	0.41	0.25	0.43	0.38	0.31	0.26	0.42	-0.17
Asia Oceania	0.06	0.05	0.10	0.14	0.09	0.09	0.07	-	0.12	0.07	0.09	-0.02
Kazakhstan												
Americas	0.00	0.01	-	-	-	-	-	-	-	-	-	-
Europe	0.64	0.70	0.75	0.72	0.84	0.73	0.70	0.50	0.59	0.76	0.71	0.05
Asia Oceania	0.06	0.03	0.10	0.13	0.13	0.19	0.21	0.14	0.20	0.21	0.14	0.07
Venezuelan 22 API and heavier												
Americas	0.67	0.63	0.48	0.39	0.40	0.47	0.45	0.34	0.46	0.44	0.37	0.08
Europe	0.09	0.05	0.04	0.03	0.02	0.02	0.03	0.04	0.03	0.09	0.02	0.06
Asia Oceania	-	-	-	-	-	-	-	-	-	-	-	-
Mexican Maya												
Americas	0.50	0.53	0.58	0.67	0.64	0.63	0.75	0.69	0.53	0.48	0.73	-0.25
Europe	0.15	0.17	0.20	0.26	0.27	0.22	0.17	0.17	0.13	0.20	0.21	-0.01
Asia Oceania	0.01	0.05	0.07	0.10	0.06	0.10	0.08	0.07	0.12	0.09	0.08	0.01
Russian Urals												
Americas	-	-	0.01	0.01	-	-	-	-	0.02	-	-	-
Europe	1.61	1.72	1.64	1.67	1.38	1.46	1.37	1.27	1.27	1.46	1.76	-0.29
Asia Oceania	-	-	0.01	-	-	0.01	-	-	-	-	-	-
Cabinda and Other Angola												
North America	0.11	0.16	0.07	0.07	-	0.10	0.11	0.08	0.07	-	-	-
Europe	0.42	0.27	0.11	0.10	0.14	0.11	0.22	0.22	0.06	0.10	0.13	-0.03
Pacific	0.02	0.01	0.01	-	-	0.00	-	-	0.03	0.05	-	-
Nigerian Light⁴												
Americas	0.02	0.07	0.04	0.06	0.03	0.01	-	-	-	-	-	-
Europe	0.57	0.39	0.39	0.38	0.48	0.49	0.54	0.60	0.58	0.68	0.33	0.35
Asia Oceania	-	0.01	0.02	0.01	0.02	0.03	0.01	0.01	0.02	-	-	-
Libya Light and Medium												
Americas	-	-	0.02	0.03	-	-	-	-	-	-	0.08	-
Europe	0.22	0.20	0.54	0.70	0.65	0.64	0.55	0.78	0.79	0.56	0.85	-0.29
Asia Oceania	0.01	0.02	0.03	0.03	0.02	0.01	0.02	0.02	0.03	0.01	0.02	-0.01

¹ Data based on monthly submissions from IEA countries to the crude oil import register (in '000 bbl), subject to availability. May differ from Table 8 of the Report. IEA Americas includes United States and Canada. IEA Europe includes all countries in OECD Europe except Estonia, Hungary, Slovenia and Latvia. IEA Asia Oceania includes Australia, New Zealand, Korea and Japan.

² Iraqi Total minus Kirkuk.

³ Iranian Total minus Iranian Light.

⁴ 33° API and lighter (e.g., Bonny Light, Escravos, Qua Iboe and Oso Condensate).

Table 7
REGIONAL OECD IMPORTS^{1,2}
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	% change
Crude Oil												
Americas	4026	4542	4361	3941	3827	4085	3905	3744	3241	3352	3894	-14%
Europe	9505	9253	9711	9935	9502	9433	9728	9439	9585	9137	10467	-13%
Asia Oceania	6573	6659	6842	6942	6849	6571	6513	5882	6823	7145	6969	3%
Total OECD	20103	20455	20914	20818	20178	20089	20146	19066	19649	19634	21330	-8%
LPG												
Americas	10	20	20	25	33	14	17	25	21	15	34	-55%
Europe	418	445	437	400	492	469	430	442	489	471	387	22%
Asia Oceania	518	567	549	538	595	567	503	525	544	568	527	8%
Total OECD	947	1032	1006	963	1120	1050	951	992	1053	1055	948	11%
Naphtha												
Americas	14	10	19	20	10	5	6	5	26	1	25	-95%
Europe	345	348	369	389	408	371	338	375	431	394	349	13%
Asia Oceania	950	908	981	991	1031	958	1007	1057	1048	1109	1007	10%
Total OECD	1309	1266	1369	1399	1450	1334	1351	1436	1505	1504	1381	9%
Gasoline³												
Americas	670	735	727	560	559	1060	968	876	623	352	491	-28%
Europe	105	100	162	224	155	67	85	114	107	109	208	-48%
Asia Oceania	91	87	103	94	123	123	92	60	119	83	104	-21%
Total OECD	866	922	991	879	837	1250	1144	1050	848	544	804	-32%
Jet & Kerosene												
Americas	141	169	171	210	131	136	178	179	106	132	192	-31%
Europe	445	504	506	535	426	538	599	541	519	629	611	3%
Asia Oceania	66	73	77	87	112	60	53	55	90	127	93	36%
Total OECD	651	745	754	832	669	733	829	776	715	888	896	-1%
Gasoi/Diesel												
Americas	76	67	77	144	179	63	130	137	124	125	136	-8%
Europe	1161	1340	1381	1360	1403	1381	1455	1319	1205	1231	1341	-8%
Asia Oceania	158	196	195	179	214	256	232	225	314	346	202	71%
Total OECD	1395	1602	1654	1684	1795	1700	1816	1681	1643	1702	1680	1%
Heavy Fuel Oil												
Americas	116	149	131	128	158	161	195	204	170	103	154	-33%
Europe	537	477	240	174	239	227	249	154	172	237	109	117%
Asia Oceania	173	153	146	153	192	156	151	190	112	172	124	38%
Total OECD	826	779	517	456	589	544	595	548	454	511	387	32%
Other Products												
Americas	675	652	717	745	722	658	699	721	711	636	741	-14%
Europe	701	774	1009	979	1058	979	1126	1019	876	1043	1110	-6%
Asia Oceania	345	348	255	248	277	250	255	249	274	282	282	0%
Total OECD	1721	1774	1981	1972	2057	1886	2080	1989	1861	1961	2133	-8%
Total Products												
Americas	1702	1802	1862	1832	1793	2095	2194	2147	1781	1365	1773	-23%
Europe	3712	3988	4104	4062	4181	4031	4282	3964	3800	4114	4116	0%
Asia Oceania	2301	2331	2306	2292	2543	2371	2292	2361	2499	2685	2339	15%
Total OECD	7715	8121	8272	8185	8517	8496	8768	8473	8080	8164	8228	-1%
Total Oil												
Americas	5728	6344	6223	5773	5620	6180	6100	5891	5022	4717	5668	-17%
Europe	13216	13241	13815	13996	13683	13464	14009	13404	13384	13251	14583	-9%
Asia Oceania	8874	8991	9147	9234	9392	8942	8805	8243	9322	9831	9308	6%
Total OECD	27818	28575	29186	29003	28695	28586	28914	27538	27729	27798	29558	-6%

1 Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes and converted to barrels.

2 Excludes intra-regional trade.

3 Includes additives.

Table 7a
REGIONAL OECD IMPORTS FROM NON-OECD COUNTRIES^{1,2}
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	% change
Crude Oil												
Americas	3970	4428	4235	3842	3705	3925	3749	3529	3146	3101	3836	-19%
Europe	9173	8867	9248	9218	8731	8599	8981	8621	8926	8362	9580	-13%
Asia Oceania	6410	6429	6546	6478	6526	6222	6044	5508	6237	6623	6551	1%
Total OECD	19554	19725	20028	19538	18963	18746	18773	17657	18309	18086	19968	-9%
LPG												
Americas	10	16	16	19	20	11	14	21	18	6	21	-72%
Europe	343	332	342	341	383	350	327	329	351	359	313	15%
Asia Oceania	415	342	204	192	215	175	110	78	88	198	135	46%
Total OECD	768	690	561	552	619	535	450	428	457	563	469	20%
Naphtha												
Americas	5	5	16	17	7	1	2	1	22	0	23	-100%
Europe	318	330	350	365	385	353	316	347	359	305	331	-8%
Asia Oceania	854	856	934	933	898	883	909	951	987	1021	950	8%
Total OECD	1177	1190	1300	1315	1290	1237	1227	1300	1368	1326	1303	2%
Gasoline³												
Americas	213	279	245	222	201	376	364	361	262	114	233	-51%
Europe	101	98	157	223	150	63	82	110	105	102	206	-50%
Asia Oceania	90	86	103	94	97	80	77	60	119	57	104	-46%
Total OECD	405	463	504	539	447	520	524	531	485	272	543	-50%
Jet & Kerosene												
Americas	53	72	67	106	78	60	49	38	35	49	76	-36%
Europe	383	411	438	468	395	491	530	491	447	591	533	11%
Asia Oceania	66	73	77	87	112	60	53	55	90	127	93	36%
Total OECD	501	555	582	662	586	611	631	584	572	767	702	9%
Gasoi/Diesel												
Americas	50	38	50	99	151	28	105	115	114	124	114	9%
Europe	842	1025	1131	1175	1270	1224	1240	1143	1079	1107	1157	-4%
Asia Oceania	158	194	194	179	214	256	232	225	314	346	202	71%
Total OECD	1050	1257	1375	1454	1635	1508	1578	1483	1507	1577	1473	7%
Heavy Fuel Oil												
Americas	100	130	123	125	150	134	187	200	148	86	153	-44%
Europe	511	453	225	158	232	221	233	138	157	199	95	108%
Asia Oceania	173	152	146	152	192	156	151	190	112	166	124	34%
Total OECD	784	734	494	435	574	511	571	528	417	451	372	21%
Other Products												
Americas	502	526	542	559	556	511	541	583	558	502	574	-13%
Europe	500	508	729	709	710	701	881	798	539	822	823	0%
Asia Oceania	257	267	178	166	197	173	177	160	190	195	199	-2%
Total OECD	1259	1301	1449	1434	1462	1385	1599	1542	1287	1520	1596	-5%
Total Products												
Americas	934	1065	1058	1146	1163	1121	1263	1321	1156	880	1193	-26%
Europe	2998	3155	3371	3440	3524	3404	3609	3355	3038	3485	3459	1%
Asia Oceania	2013	1970	1835	1804	1925	1783	1708	1719	1898	2110	1807	17%
Total OECD	5944	6191	6265	6390	6612	6308	6580	6395	6092	6475	6459	0%
Total Oil												
Americas	4904	5494	5293	4988	4868	5047	5011	4850	4302	3982	5029	-21%
Europe	12171	12022	12619	12658	12255	12002	12590	11977	11964	11847	13039	-9%
Asia Oceania	8423	8399	8381	8282	8451	8004	7752	7227	8136	8733	8359	4%
Total OECD	25498	25915	26293	25928	25575	25053	25353	24053	24401	24562	26427	-7%

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes and converted to barrels.

² Excludes intra-regional trade

³ Includes additives

Table 7b
INTER-REGIONAL OECD TRANSFERS^{1,2}
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	% change
Crude Oil												
Americas	56	114	126	99	122	160	157	215	95	250	58	331%
Europe	332	386	464	717	771	834	747	818	659	776	887	-13%
Asia Oceania	162	230	296	464	323	350	469	375	586	522	418	25%
Total OECD	550	730	886	1280	1215	1344	1373	1408	1339	1548	1362	14%
LPG												
Americas	0	4	4	7	13	2	4	4	3	10	14	-29%
Europe	75	112	95	59	109	120	104	113	137	112	74	51%
Asia Oceania	103	225	346	346	379	393	393	447	456	370	391	-5%
Total OECD	178	342	445	411	501	515	500	564	597	492	479	3%
Naphtha												
Americas	9	5	3	3	3	4	5	4	4	1	2	-43%
Europe	27	19	19	23	24	18	22	27	71	89	18	400%
Asia Oceania	96	52	47	58	133	75	98	106	61	87	58	52%
Total OECD	132	77	69	85	160	97	125	137	136	177	77	129%
Gasoline³												
Americas	457	457	482	338	359	684	603	515	361	239	258	-8%
Europe	4	2	5	1	6	4	3	4	2	7	3	165%
Asia Oceania	1	0	0	0	26	43	14	0	0	26	0	na
Total OECD	461	459	487	339	390	730	621	519	363	271	261	4%
Jet & Kerosene												
Americas	88	97	104	103	52	76	130	141	72	83	116	-28%
Europe	62	93	68	67	31	46	69	51	72	38	78	-51%
Asia Oceania	0	0	0	0	0	0	0	0	0	0	0	na
Total OECD	150	190	172	170	83	122	198	192	143	121	194	-38%
Gasoil/Diesel												
Americas	26	28	28	45	28	35	24	22	10	1	23	-93%
Europe	319	315	250	185	133	157	214	176	126	124	184	-33%
Asia Oceania	0	2	1	0	0	0	0	0	0	0	0	na
Total OECD	345	345	279	230	161	192	239	198	136	125	207	-39%
Heavy Fuel Oil												
Americas	16	19	8	4	8	27	8	4	22	17	1	1825%
Europe	26	25	15	17	7	5	16	16	15	38	14	178%
Asia Oceania	1	1	0	1	0	0	0	0	0	6	0	na
Total OECD	42	45	23	21	15	32	24	20	37	60	14	318%
Other Products												
Americas	173	126	174	186	167	147	158	137	153	134	167	-20%
Europe	201	266	280	270	349	278	245	221	338	221	287	-23%
Asia Oceania	88	81	77	82	80	77	79	89	84	86	83	4%
Total OECD	462	473	532	538	596	501	482	447	575	441	537	-18%
Total Products												
Americas	768	736	804	686	630	974	932	826	625	485	580	-16%
Europe	714	833	733	622	658	627	673	609	762	628	657	-4%
Asia Oceania	289	361	471	487	618	588	584	642	601	576	532	8%
Total OECD	1771	1930	2007	1795	1905	2188	2188	2077	1988	1688	1769	-5%
Total Oil												
Americas	824	850	930	784	752	1133	1088	1042	720	735	638	15%
Europe	1045	1219	1197	1338	1428	1461	1420	1427	1420	1404	1544	-9%
Asia Oceania	451	591	766	952	940	937	1053	1017	1187	1098	949	16%
Total OECD	2320	2660	2893	3074	3120	3532	3561	3486	3327	3237	3132	3%

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes and converted to barrels.

² Excludes intra-regional trade

³ Includes additives

Table 8
REGIONAL OECD CRUDE IMPORTS BY SOURCE¹
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier Nov 17	change
OECD Americas												
Venezuela	864	741	618	484	444	534	538	650	506	511	505	6
Other Central & South America	1026	1023	928	832	897	841	791	556	668	624	820	-196
North Sea	45	109	124	99	119	157	151	215	95	250	58	192
Other OECD Europe	1	1	-	-	2	2	-	-	-	-	-	-
Non-OECD Europe	6	7	-	-	-	-	-	-	-	-	-	-
Former Soviet Union	44	75	121	76	91	179	217	211	81	65	33	32
Saudi Arabia	1127	1185	1043	784	797	1008	1084	1080	1080	1098	918	180
Kuwait	210	209	144	102	133	82	60	33	-	101	117	-16
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	222	418	605	642	677	613	459	473	377	392	611	-219
Oman	-	30	14	43	-	-	-	-	-	-	12	-
United Arab Emirates	2	11	20	28	-	11	10	32	-	-	4	-
Other Middle East	-	-	2	-	-	-	-	-	-	-	-	-
West Africa ²	265	451	497	589	383	433	232	189	263	203	594	-392
Other Africa	138	223	214	209	218	172	260	188	139	34	178	-144
Asia	55	46	26	53	53	52	103	117	33	72	44	28
Other	20	13	4	-	12	-	-	-	-	1	-	-
Total	4026	4542	4361	3941	3827	4085	3905	3744	3241	3352	3894	-543
<i>of which Non-OECD</i>	<i>3970</i>	<i>4428</i>	<i>4235</i>	<i>3842</i>	<i>3705</i>	<i>3925</i>	<i>3749</i>	<i>3529</i>	<i>3146</i>	<i>3101</i>	<i>3836</i>	<i>-735</i>
OECD Europe												
Canada	29	32	45	61	119	91	104	84	75	1	109	-108
Mexico + USA	303	354	419	656	651	744	642	734	584	739	778	-39
Venezuela	111	74	67	37	43	39	55	61	64	101	34	67
Other Central & South America	177	170	160	118	133	110	141	118	165	128	198	-70
Non-OECD Europe	11	11	9	10	13	14	9	10	15	9	9	0
Former Soviet Union	4058	4248	4259	4230	4045	4021	3780	3291	3575	4029	4537	-508
Saudi Arabia	930	855	738	755	688	740	900	1014	976	834	866	-32
Kuwait	103	194	201	145	130	81	106	110	131	192	88	103
Iran	113	436	801	785	655	715	585	413	360	6	935	-929
Iraq	1003	1000	995	888	813	735	1070	1081	986	1092	746	346
Oman	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	15	12	6	-	-	-	-	-	-	29	-	-
Other Middle East	6	12	1	-	-	-	-	-	-	-	-	-
West Africa ²	1651	1095	960	979	1056	1044	1228	1291	1169	1151	1021	130
Other Africa	1008	738	1045	1207	1157	1118	1122	1325	1338	1145	1197	-52
Asia	-	-	-	-	-	-	-	-	-	36	-	-
Other	-13	21	5	64	-2	-17	-15	-92	146	-354	-51	-303
Total	9505	9253	9711	9935	9502	9433	9728	9439	9585	9137	10467	-1330
<i>of which Non-OECD</i>	<i>9173</i>	<i>8867</i>	<i>9248</i>	<i>9218</i>	<i>8731</i>	<i>8599</i>	<i>8981</i>	<i>8621</i>	<i>8926</i>	<i>8362</i>	<i>9580</i>	<i>-1219</i>
OECD Asia Oceania												
Canada	-	-	-	-	3	3	-	-	-	12	-	-
Mexico + USA	93	179	199	315	221	247	384	353	461	405	327	78
Venezuela	8	3	8	-	-	-	-	-	-	-	-	-
Other Central & South America	71	27	35	26	38	25	35	65	41	83	21	62
North Sea	69	51	97	149	98	99	85	22	125	105	91	14
Other OECD Europe	-	-	-	-	-	-	-	-	-	-	-	-
Non-OECD Europe	-	-	-	-	-	-	-	-	-	-	-	-
Former Soviet Union	506	341	413	394	412	424	445	326	469	514	459	55
Saudi Arabia	1962	2078	2163	2117	2148	1994	1879	1829	2253	2127	2208	-80
Kuwait	641	661	671	644	668	654	695	739	666	700	677	23
Iran	217	469	543	528	484	362	244	133	33	-	523	-
Iraq	401	456	402	390	423	477	416	378	414	430	420	10
Oman	28	86	41	22	39	72	68	84	82	35	17	18
United Arab Emirates	1194	1154	1147	1214	1123	987	1148	1018	1070	1259	1176	83
Other Middle East	573	475	391	399	483	399	464	502	419	465	376	89
West Africa ²	82	74	66	85	56	148	76	106	138	122	121	1
Other Africa	57	62	92	114	127	73	99	32	115	141	114	27
Non-OECD Asia	423	340	324	322	341	323	296	337	314	376	280	96
Other	247	205	250	222	183	283	180	-42	223	372	161	211
Total	6573	6659	6842	6942	6849	6571	6513	5882	6823	7145	6969	176
<i>of which Non-OECD</i>	<i>6410</i>	<i>6429</i>	<i>6546</i>	<i>6478</i>	<i>6526</i>	<i>6222</i>	<i>6044</i>	<i>5508</i>	<i>6237</i>	<i>6623</i>	<i>6551</i>	<i>72</i>
Total OECD Trade	20103	20455	20914	20818	20178	20089	20146	19066	19649	19634	21330	-1696
<i>of which Non-OECD</i>	<i>19554</i>	<i>19725</i>	<i>20028</i>	<i>19538</i>	<i>18963</i>	<i>18746</i>	<i>18773</i>	<i>17657</i>	<i>18309</i>	<i>18086</i>	<i>19968</i>	<i>-1882</i>

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes, and converted to barrels at 7.37 barrels per tonne. Data will differ from Table 6 which is based on submissions in barrels.

² West Africa includes Angola, Nigeria, Gabon, Equatorial Guinea, Congo and Democratic Republic of Congo.

Table 9
REGIONAL OECD GASOLINE IMPORTS BY SOURCE¹
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	change
OECD Americas												
Venezuela	22	15	18	23	25	20	26	34	17	22	16	6
Other Central & South America	37	69	42	45	62	54	83	100	61	35	63	-28
ARA (Belgium Germany Netherlands)	145	155	178	117	143	235	200	125	117	76	81	-6
Other Europe	303	296	294	218	209	411	400	385	244	163	177	-14
FSU	63	90	84	80	73	108	86	62	84	31	87	-57
Saudi Arabia	0	-	1	-	-	-	14	32	19	-	-	-
Algeria	-	1	-	-	-	4	1	-	-	-	-	-
Other Middle East & Africa	29	32	24	22	19	23	22	18	17	5	39	-34
Singapore	6	6	10	27	-	14	16	34	11	-	9	-
OECD Asia Oceania	9	6	10	3	6	38	7	4	-	-	-	-
Non-OECD Asia (excl. Singapore)	57	64	63	24	21	153	114	81	54	21	18	3
Other	0	3	3	1	1	-	-	-	-	-	-	-
Total²	670	736	727	560	559	1060	968	876	623	352	491	-139
<i>of which Non-OECD</i>	<i>213</i>	<i>279</i>	<i>245</i>	<i>222</i>	<i>201</i>	<i>376</i>	<i>364</i>	<i>361</i>	<i>262</i>	<i>114</i>	<i>233</i>	<i>-119</i>
OECD Europe												
OECD Americas	3	1	4	1	3	2	3	4	2	7	3	4
Venezuela	0	0	-	-	-	-	-	-	-	-	-	-
Other Central & South America	4	1	3	3	2	2	-	-	1	1	5	-4
Non-OECD Europe	18	15	15	17	12	11	17	15	17	3	12	-9
FSU	68	82	87	110	119	86	70	71	42	32	134	-103
Saudi Arabia	1	0	0	-	-	3	0	1	-	-	-	-
Algeria	1	1	1	1	7	0	-	-	-	-	-	-
Other Middle East & Africa	5	2	5	9	5	3	2	2	4	2	11	-9
Singapore	0	1	2	2	3	2	2	3	2	2	3	-1
OECD Asia Oceania	0	1	1	0	3	1	0	1	-	-	-	-
Non-OECD Asia (excl. Singapore)	0	1	3	6	4	0	0	-	-	-	-	-
Other	11	-3	41	75	-2	-35	-9	18	39	61	40	21
Total²	111	103	162	224	156	76	85	114	107	109	208	-99
<i>of which Non-OECD</i>	<i>101</i>	<i>98</i>	<i>157</i>	<i>223</i>	<i>150</i>	<i>63</i>	<i>82</i>	<i>110</i>	<i>105</i>	<i>102</i>	<i>206</i>	<i>-104</i>
OECD Asia Oceania												
OECD Americas	1	0	-	-	4	6	5	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Other Central & South America	-	-	0	2	-	-	-	-	-	-	-	-
ARA (Belgium Germany Netherlands)	-	-	-	-	14	18	9	-	-	26	-	-
Other Europe	-	-	-	-	8	20	-	-	-	-	-	-
FSU	-	-	-	-	-	6	-	-	-	-	-	-
Saudi Arabia	0	0	0	0	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East & Africa	0	-	5	-	-	-	5	-	-	-	-	-
Singapore	48	44	52	38	58	48	36	33	62	29	56	-27
Non-OECD Asia (excl. Singapore)	30	27	30	39	23	14	20	11	41	12	32	-21
Other	11	16	16	16	16	16	16	16	15	16	16	0
Total²	91	87	103	94	123	127	92	60	119	83	104	-22
<i>of which Non-OECD</i>	<i>90</i>	<i>86</i>	<i>103</i>	<i>94</i>	<i>97</i>	<i>80</i>	<i>77</i>	<i>60</i>	<i>119</i>	<i>57</i>	<i>104</i>	<i>-48</i>
Total OECD Trade²	872	926	991	879	838	1263	1144	1050	848	544	804	-260
<i>of which Non-OECD</i>	<i>405</i>	<i>463</i>	<i>504</i>	<i>539</i>	<i>447</i>	<i>520</i>	<i>524</i>	<i>531</i>	<i>485</i>	<i>272</i>	<i>543</i>	<i>-270</i>

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes.

² Total figure excludes intra-regional trade.

Table 10
REGIONAL OECD GASOIL/DIESEL IMPORTS BY SOURCE¹
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	change
OECD Americas												
Venezuela	1	0	2	5	1	-	8	13	-	13	-	-
Other Central and South America	4	10	13	25	34	15	25	37	32	49	36	12
ARA (Belgium Germany Netherlands)	8	3	7	14	14	5	4	8	-	-	3	-
Other Europe	4	7	3	6	4	9	-	-	-	-	5	-
FSU	33	15	6	11	22	6	31	23	8	-	0	-
Saudi Arabia	3	1	2	8	25	0	20	25	47	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East and Africa	4	3	4	10	19	-	10	3	-	12	14	-2
Singapore	-	1	0	-	-	1	-	-	-	10	-	-
OECD Asia Oceania	15	18	18	25	10	20	21	14	10	1	14	-13
Non-OECD Asia (excl. Singapore)	6	9	22	40	50	7	11	15	27	40	63	-23
Other	1	0	0	-	-	-	-	-	-	-	-	-
Total²	77	67	77	144	179	63	130	137	124	125	136	-11
<i>of which Non-OECD</i>	<i>50</i>	<i>38</i>	<i>50</i>	<i>99</i>	<i>151</i>	<i>28</i>	<i>105</i>	<i>115</i>	<i>114</i>	<i>124</i>	<i>114</i>	<i>10</i>
OECD Europe												
OECD Americas	277	276	222	165	101	133	199	158	103	105	168	-63
Venezuela	1	-	-	-	-	-	-	-	-	-	-	-
Other Central and South America	2	3	3	-	8	6	1	-	3	-	-	-
Non-OECD Europe	41	48	48	48	40	30	44	36	54	42	63	-21
FSU	637	643	725	660	805	721	616	595	620	649	610	38
Saudi Arabia	96	130	160	174	231	262	189	162	145	289	96	193
Algeria	-	1	-	-	-	-	-	-	-	-	-	-
Other Middle East and Africa	57	70	72	107	53	77	87	90	152	149	97	51
Singapore	3	20	15	19	20	17	19	24	23	8	14	-5
OECD Asia Oceania	43	40	28	20	32	24	16	19	23	18	16	2
Non-OECD Asia (excl. Singapore)	122	172	125	144	142	136	171	129	102	100	157	-57
Other	-36	-18	21	25	4	-1	123	109	-6	-120	120	-240
Total²	1241	1385	1420	1362	1436	1405	1464	1321	1218	1240	1342	-102
<i>of which Non-OECD</i>	<i>842</i>	<i>1025</i>	<i>1131</i>	<i>1175</i>	<i>1270</i>	<i>1224</i>	<i>1240</i>	<i>1143</i>	<i>1079</i>	<i>1107</i>	<i>1157</i>	<i>-50</i>
OECD Asia Oceania												
OECD Americas	-	2	1	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Other Central and South America	0	-	0	0	-	-	-	-	-	-	-	-
ARA (Belgium Germany Netherlands)	-	-	-	-	-	-	-	-	-	-	-	-
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-
FSU	5	5	5	5	5	4	4	4	5	4	6	-2
Saudi Arabia	-	1	-	-	3	-	-	-	25	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East and Africa	-	2	1	3	-	-	1	3	45	41	4	37
Singapore	92	86	87	78	132	160	101	87	149	202	83	119
Non-OECD Asia (excl. Singapore)	57	95	96	87	68	86	120	125	84	91	103	-12
Other	4	6	6	6	6	6	6	6	6	8	6	2
Total²	158	196	195	179	214	256	232	225	314	346	202	144
<i>of which Non-OECD</i>	<i>158</i>	<i>194</i>	<i>194</i>	<i>179</i>	<i>214</i>	<i>256</i>	<i>232</i>	<i>225</i>	<i>314</i>	<i>346</i>	<i>202</i>	<i>144</i>
Total OECD Trade²	1476	1647	1693	1686	1828	1724	1825	1683	1656	1711	1680	31
<i>of which Non-OECD</i>	<i>1050</i>	<i>1257</i>	<i>1375</i>	<i>1454</i>	<i>1635</i>	<i>1508</i>	<i>1578</i>	<i>1483</i>	<i>1507</i>	<i>1577</i>	<i>1473</i>	<i>104</i>

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes.

² Total figure excludes intra-regional trade.

Table 11
REGIONAL OECD JET AND KEROSENE IMPORTS BY SOURCE¹
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	change
OECD Americas												
Venezuela	19	11	16	22	12	11	2	-	-	-	30	-
Other Central and South America	2	0	1	2	-	0	1	-	2	11	3	7
ARA (Belgium Germany Netherlands)	0	0	-	-	0	-	1	-	-	-	-	-
Other Europe	0	-	0	0	1	-	-	-	-	-	0	-
FSU	0	0	1	3	-	0	-	-	-	-	-	-
Saudi Arabia	2	1	2	3	4	0	-	-	-	3	-	-
Algeria	1	-	0	0	-	-	-	-	-	-	0	-
Other Middle East and Africa	1	1	3	4	7	1	1	1	1	-	4	-
Singapore	-	0	2	3	1	11	5	-	13	11	-	-
OECD Asia Oceania	88	97	104	103	51	76	129	141	72	83	116	-33
Non-OECD Asia (excl. Singapore)	22	55	30	48	48	22	28	29	19	8	26	-19
Other	8	3	13	21	7	15	12	8	-	17	12	6
Total²	141	169	171	210	131	136	178	179	106	132	192	-60
<i>of which Non-OECD</i>	<i>53</i>	<i>72</i>	<i>67</i>	<i>106</i>	<i>78</i>	<i>60</i>	<i>49</i>	<i>38</i>	<i>35</i>	<i>49</i>	<i>76</i>	<i>-27</i>
OECD Europe												
OECD Americas	15	38	20	10	21	46	27	22	38	36	11	25
Venezuela	6	6	5	15	1	5	5	0	21	-	-	-
Other Central and South America	2	1	2	2	3	1	2	-	2	3	2	1
Non-OECD Europe	2	4	3	2	-	-	17	-	8	9	-	-
FSU	38	42	32	43	36	32	55	59	35	34	58	-24
Saudi Arabia	87	112	94	104	64	122	108	55	114	123	133	-11
Algeria	13	14	12	11	11	9	8	16	8	9	17	-8
Other Middle East and Africa	157	178	207	203	208	222	238	232	228	144	243	-100
Singapore	6	14	28	59	18	14	21	20	5	29	66	-37
OECD Asia Oceania	46	55	48	57	10	-	42	29	34	2	67	-65
Non-OECD Asia (excl. Singapore)	53	51	53	45	61	73	81	114	31	206	49	157
Other	21	-7	1	-16	-7	14	-5	-6	-5	35	-35	71
Total²	447	508	506	535	426	539	599	541	519	629	611	18
<i>of which Non-OECD</i>	<i>383</i>	<i>411</i>	<i>438</i>	<i>468</i>	<i>395</i>	<i>491</i>	<i>530</i>	<i>491</i>	<i>447</i>	<i>591</i>	<i>533</i>	<i>58</i>
OECD Asia Oceania												
OECD Americas	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Other Central and South America	-	-	-	-	-	-	-	-	-	-	-	-
ARA (Belgium Germany Netherlands)	-	-	-	-	-	-	-	-	-	-	-	-
Other Europe	-	-	-	-	-	-	-	-	-	-	-	-
FSU	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	4	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East and Africa	-	-	1	-	-	-	-	-	8	8	-	-
Singapore	18	24	23	24	30	23	36	24	17	15	13	2
Non-OECD Asia (excl. Singapore)	33	36	34	30	33	22	6	11	36	15	33	-18
Other	14	13	19	34	46	14	10	20	29	89	48	42
Total²	66	73	77	87	112	60	53	55	90	127	93	33
<i>of which Non-OECD</i>	<i>66</i>	<i>73</i>	<i>77</i>	<i>87</i>	<i>112</i>	<i>60</i>	<i>53</i>	<i>55</i>	<i>90</i>	<i>127</i>	<i>93</i>	<i>33</i>
Total OECD Trade²	654	749	754	832	669	734	829	776	715	888	896	-8
<i>of which Non-OECD</i>	<i>501</i>	<i>555</i>	<i>582</i>	<i>662</i>	<i>586</i>	<i>611</i>	<i>631</i>	<i>583</i>	<i>572</i>	<i>767</i>	<i>702</i>	<i>64</i>

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes.

² Total figure excludes intra-regional trade.

Table 12
REGIONAL OECD RESIDUAL FUEL OIL IMPORTS BY SOURCE¹
(thousand barrels per day)

	2015	2016	2017	4Q17	1Q18	2Q18	3Q18	Sep 18	Oct 18	Nov 18	Year Earlier	
											Nov 17	change
OECD Americas												
Venezuela	2	17	16	7	31	46	65	9	32	11	4	7
Other Central and South America	56	49	71	78	87	58	80	122	86	45	121	-77
ARA (Belgium Germany Netherlands)	12	12	5	4	4	11	3	3	22	11	1	10
Other Europe	5	7	3	-	4	15	6	0	-	6	-	-
FSU	29	49	24	33	19	28	31	46	22	11	27	-16
Saudi Arabia	-	0	-	-	-	-	-	-	-	-	-	-
Algeria	4	4	1	-	-	-	-	-	-	-	-	-
Other Middle East and Africa	7	10	9	6	3	2	12	23	5	19	-	-
Singapore	-	1	3	-	-	-	-	-	-	-	-	-
OECD Asia Oceania	-	-	-	-	-	-	-	-	-	-	-	-
Non-OECD Asia (excl. Singapore)	1	-	1	-	-	-	-	-	2	-	-	-
Other	-	0	0	-	9	0	0	-	-	-	-	-
Total²	116	149	131	128	158	161	195	204	170	103	154	-51
<i>of which Non-OECD</i>	<i>100</i>	<i>130</i>	<i>123</i>	<i>125</i>	<i>150</i>	<i>134</i>	<i>187</i>	<i>200</i>	<i>148</i>	<i>86</i>	<i>153</i>	<i>-67</i>
OECD Europe												
OECD Americas	12	15	6	1	-	1	8	9	7	22	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Other Central and South America	20	5	2	4	6	5	-	-	-	-	8	-
Non-OECD Europe	12	15	17	16	17	18	17	19	14	15	18	-3
FSU	537	447	193	118	184	185	192	178	200	235	95	140
Saudi Arabia	-	-	0	-	3	-	-	-	-	-	-	-
Algeria	3	3	1	-	-	2	2	7	-	-	-	-
Other Middle East and Africa	9	16	23	35	15	16	17	17	17	12	46	-34
Singapore	0	0	-	-	-	-	-	-	-	-	-	-
OECD Asia Oceania	13	10	9	15	7	5	8	7	8	16	14	2
Non-OECD Asia (excl. Singapore)	-	0	1	2	-	-	-	-	-	-	-	-
Other	-39	-18	-8	-18	8	-2	6	-83	-73	-62	-71	9
Total²	568	495	244	175	240	229	250	154	172	237	110	128
<i>of which Non-OECD</i>	<i>511</i>	<i>453</i>	<i>225</i>	<i>158</i>	<i>232</i>	<i>221</i>	<i>233</i>	<i>138</i>	<i>157</i>	<i>199</i>	<i>95</i>	<i>103</i>
OECD Asia Oceania												
OECD Americas	1	-	0	1	-	-	-	-	-	6	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Other Central and South America	-	-	-	-	-	-	-	-	-	-	-	-
ARA (Belgium Germany Netherlands)	-	-	-	-	-	-	-	-	-	-	-	-
Other Europe	-	1	-	-	-	-	-	-	-	-	-	-
FSU	10	4	9	11	10	11	24	27	11	32	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	2	-	1	-	-	-	-	-	-	-	-	-
Other Middle East and Africa	15	5	18	29	23	30	23	46	-	5	12	-7
Singapore	44	73	58	56	68	29	29	13	22	13	61	-48
Non-OECD Asia (excl. Singapore)	98	69	59	57	91	86	75	103	78	114	51	63
Other	3	1	0	-	-	-	0	-	1	1	-	-
Total²	173	153	146	153	192	156	151	190	112	172	124	48
<i>of which Non-OECD</i>	<i>173</i>	<i>152</i>	<i>146</i>	<i>152</i>	<i>192</i>	<i>156</i>	<i>151</i>	<i>190</i>	<i>112</i>	<i>166</i>	<i>124</i>	<i>42</i>
Total OECD Trade²	857	796	521	456	590	546	596	548	454	512	387	124
<i>of which Non-OECD</i>	<i>784</i>	<i>734</i>	<i>494</i>	<i>435</i>	<i>574</i>	<i>511</i>	<i>571</i>	<i>528</i>	<i>417</i>	<i>451</i>	<i>372</i>	<i>78</i>

¹ Based on Monthly Oil Questionnaire data submitted by OECD countries in tonnes.

² Total figure excludes intra-regional trade.

Table 13
AVERAGE IEA CIF CRUDE COST AND SPOT CRUDE AND PRODUCT PRICES

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Table 14
MONTHLY AVERAGE END-USER PRICES FOR PETROLEUM PRODUCTS
January 2019

	NATIONAL CURRENCY *						US DOLLARS					
	Total Price	% change from		Ex-Tax Price	% change from		Total Price	% change from		Ex-Tax Price	% change from	
		Dec-18	Jan-18		Dec-18	Jan-18		Dec-18	Jan-18		Dec-18	Jan-18
GASOLINE ¹ (per litre)												
France	1.423	- 0.3	- 2.7	0.495	-0.6	-7.1	1.624	0.1	-8.9	0.565	-0.3	-13.1
Germany	1.342	- 6.2	- 1.8	0.474	-13.3	-4.0	1.532	-5.8	-8.1	0.541	-13.0	-10.2
Italy	1.488	- 2.4	- 4.9	0.492	-5.7	-11.4	1.699	-2.1	-11.0	0.562	-5.4	-17.0
Spain	1.203	- 1.0	- 3.8	0.521	-3.5	-9.1	1.373	-0.6	-10.0	0.595	-3.2	-14.9
United Kingdom	1.196	- 1.8	- 1.2	0.417	-4.1	-2.8	1.541	-0.0	-7.9	0.537	-2.4	-9.3
Japan	143.0	- 3.9	- 0.5	75.8	-6.7	-0.9	1.310	-1.2	1.3	0.695	-4.0	0.9
Canada	1.069	- 2.2	- 13.5	0.681	-3.3	-18.9	0.803	-1.2	-19.3	0.511	-2.3	-24.3
United States	0.594	- 5.0	- 12.0	0.470	-6.2	-15.0	0.594	-5.0	-12.0	0.470	-6.2	-15.0
AUTOMOTIVE DIESEL FOR NON COMMERCIAL USE (per litre)												
France	1.398	- 1.3	1.7	0.556	-2.6	1.5	1.596	-1.0	-4.8	0.635	-2.3	-5.0
Germany	1.233	- 5.4	2.8	0.566	-9.6	5.2	1.408	-5.1	-3.8	0.646	-9.3	-1.5
Italy	1.432	- 2.3	- 0.6	0.557	-4.6	-1.1	1.635	-1.9	-6.9	0.636	-4.3	-7.4
Spain	1.156	- 0.9	- 0.2	0.576	-3.0	-2.4	1.320	-0.5	-6.6	0.658	-2.7	-8.6
United Kingdom	1.294	- 2.0	3.9	0.499	-4.0	9.0	1.668	-0.2	-3.1	0.643	-2.3	1.6
Japan	124.1	- 3.9	2.1	82.4	-5.3	2.9	1.137	-1.1	3.9	0.755	-2.6	4.7
Canada	1.172	- 4.1	- 6.6	0.864	-5.3	-8.4	0.880	-3.2	-12.8	0.649	-4.3	-14.5
United States	0.787	- 4.6	- 1.3	0.643	-5.6	-2.1	0.787	-4.6	-1.3	0.643	-5.6	-2.1
DOMESTIC HEATING OIL (per litre)												
France	0.896	- 2.1	4.0	0.591	-2.7	3.7	1.023	-1.8	-2.7	0.674	-2.4	-2.9
Germany	0.705	- 4.8	5.8	0.531	-5.3	6.5	0.805	-4.5	-0.9	0.606	-5.0	-0.3
Italy	1.276	2.0	3.4	0.643	3.3	5.7	1.457	2.4	-3.2	0.734	3.7	-1.1
Spain	0.716	- 2.4	- 0.2	0.495	-3.9	-1.8	0.817	-2.1	-6.6	0.565	-3.5	-8.1
United Kingdom	0.567	- 2.4	3.5	0.429	-3.0	4.4	0.731	-0.7	-3.5	0.553	-1.3	-2.6
Japan ²	88.9	- 4.7	4.8	79.6	-4.9	5.0	0.815	-2.0	6.7	0.729	-2.2	6.8
Canada	1.111	- 0.4	- 1.8	0.997	-0.5	-1.9	0.834	0.5	-8.3	0.749	0.5	-8.4
United States	-	-	-	-	-	-	-	-	-	-	-	-
LOW SULPHUR FUEL OIL FOR INDUSTRY ³ (per kg)												
France	0.531	- 0.2	2.5	0.392	-0.3	1.0	0.606	0.1	-4.1	0.447	0.1	-5.4
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Italy	0.444	5.6	6.9	0.413	6.0	7.5	0.507	6.0	0.1	0.471	6.4	0.6
Spain	0.403	- 7.3	3.0	0.386	-7.8	3.1	0.460	-7.0	-3.5	0.440	-7.5	-3.5
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	-	-	-

¹ Unleaded premium (95 RON) for France, Germany, Italy, Spain, UK; regular unleaded for Canada, Japan and the United States.

² Kerosene for Japan.

³ VAT excluded from prices for low sulphur fuel oil when refunded to industry.

* Prices for France, Germany, Italy and Spain are in Euros; UK in British Pounds, Japan in Yen, Canada in Canadian Dollars.

Table 15
IEA/KBC Global Indicator Refining Margins¹
(\$/bbl)

	Monthly Average					Change Jan 19-Dec 18	Average for week ending:				
	Oct 18	Nov 18	Dec 18	Jan 19			11 Jan	18 Jan	25 Jan	01 Feb	08 Feb
NW Europe											
Brent (Cracking)	2.02	6.03	3.30	2.80	↓	-0.50	3.65	3.06	1.84	1.85	2.72
Urals (Cracking)	4.39	6.71	4.13	3.03	↓	-1.10	3.84	3.15	2.20	2.38	3.55
Brent (Hydroskimming)	-0.93	3.87	1.02	0.86	↓	-0.17	1.53	0.97	0.11	0.31	1.22
Urals (Hydroskimming)	0.89	3.80	1.09	0.17	↓	-0.92	0.76	0.18	-0.41	-0.13	1.19
Mediterranean											
Es Sider (Cracking)	5.13	9.38	6.53	5.98	↓	-0.55	6.54	6.36	5.22	5.32	6.14
Urals (Cracking)	5.18	8.88	5.93	4.58	↓	-1.34	5.17	4.69	3.67	4.18	5.49
Es Sider (Hydroskimming)	1.46	6.30	3.51	3.37	↓	-0.14	3.76	3.55	2.77	3.11	4.10
Urals (Hydroskimming)	0.19	4.27	1.19	0.12	↓	-1.07	0.50	0.03	-0.59	0.06	1.70
US Gulf Coast											
50/50 HLS/LLS (Cracking)	5.62	5.24	4.83	3.70	↓	-1.13	3.60	3.21	3.03	3.85	4.46
Mars (Cracking)	1.49	2.43	2.05	0.39	↓	-1.66	1.25	0.31	-1.42	-0.15	0.93
ASCI (Cracking)	1.29	2.34	1.87	0.41	↓	-1.46	1.19	0.35	-1.13	-0.22	0.96
50/50 HLS/LLS (Coking)	7.04	5.93	5.68	4.44	↓	-1.24	4.26	4.04	3.76	4.52	4.79
50/50 Maya/Mars (Coking)	2.17	1.46	2.68	1.08	↓	-1.60	1.69	1.40	-0.26	-0.21	0.95
ASCI (Coking)	5.34	5.34	4.70	2.86	↓	-1.84	3.42	2.90	1.52	1.96	2.40
US Midcon											
WTI (Cracking)	13.09	12.32	7.93	6.06	↓	-1.87	4.43	4.71	7.01	9.12	11.85
30/70 WCS/Bakken (Cracking)	27.60	30.00	10.53	5.72	↓	-4.81	3.06	3.54	7.89	9.87	10.95
Bakken (Cracking)	21.81	26.92	9.02	5.50	↓	-3.52	2.14	2.81	8.79	10.93	11.40
WTI (Coking)	14.70	13.22	8.58	6.39	↓	-2.19	4.43	4.94	7.53	9.88	12.41
30/70 WCS/Bakken (Coking)	30.18	32.09	11.70	6.14	↓	-5.56	2.73	3.65	8.95	11.09	11.93
Bakken (Coking)	22.27	27.08	9.12	5.42	↓	-3.70	1.90	2.68	8.79	11.03	11.39
Singapore											
Dubai (Hydroskimming)	0.99	2.74	0.40	0.50	↑	0.10	1.01	0.33	-0.04	0.58	0.97
Tapis (Hydroskimming)	0.82	3.99	0.84	-0.04	↓	-0.88	0.75	0.19	-0.37	-0.98	0.75
Dubai (Hydrocracking)	4.56	4.31	2.24	2.42	↑	0.17	3.14	2.53	1.63	2.07	2.47
Tapis (Hydrocracking)	3.65	5.17	2.14	1.05	↓	-1.08	2.02	1.50	0.51	-0.26	1.48

¹ Global Indicator Refining Margins are calculated for various complexity configurations, each optimised for processing the specific crude(s) in a specific refining centre. Margins include energy cost, but exclude other variable costs, depreciation and amortisation. Consequently, reported margins should be taken as an indication, or proxy, of changes in profitability for a given refining centre. No attempt is made to model or otherwise comment upon the relative economics of specific refineries running individual crude slates and producing custom product sales, nor are these calculations intended to infer the marginal values of crude for pricing purposes.

Source: IEA, KBC Advanced Technologies (KBC)

Table 16
REFINED PRODUCT YIELDS BASED ON TOTAL INPUT (%)¹

	Sep-18	Oct-18	Nov-18	Nov-17	Nov 18 vs Previous Month	Nov 18 vs Previous Year	Nov 18 vs 5 Year Average	5 Year Average
OECD Americas								
Naphtha	1.6	1.6	1.5	1.5	-0.1	0.0	-0.2	1.7
Motor gasoline	45.5	47.2	47.3	47.8	0.1	-0.5	-1.1	48.4
Jet fuel	9.8	9.2	9.2	8.8	0.1	0.5	0.7	8.5
Other kerosene	0.2	0.1	0.1	0.1	0.0	0.0	-0.1	0.2
Gasoil/diesel oil	28.3	28.3	28.7	29.1	0.4	-0.4	-0.4	29.1
Residual fuel oil	3.4	3.2	3.4	3.3	0.2	0.1	-0.3	3.7
Petroleum coke	4.4	4.5	4.4	4.5	-0.1	-0.1	-0.1	4.6
Other products	11.6	10.5	10.0	9.7	-0.5	0.4	0.1	9.9
OECD Europe								
Naphtha	7.9	8.1	7.6	8.3	-0.5	-0.7	0.0	7.7
Motor gasoline	21.4	21.2	21.3	21.0	0.2	0.4	0.3	21.0
Jet fuel	9.6	9.5	8.7	7.7	-0.8	0.9	1.1	7.5
Other kerosene	2.3	2.3	2.3	2.2	0.0	0.1	0.2	2.1
Gasoil/diesel oil	38.9	38.3	39.9	39.1	1.5	0.8	-0.8	40.7
Residual fuel oil	9.5	9.7	9.8	10.2	0.2	-0.3	0.0	9.8
Petroleum coke	1.3	1.2	1.3	1.3	0.1	0.1	0.1	1.2
Other products	14.3	14.6	13.8	14.8	-0.7	-1.0	-0.2	14.0
OECD Asia Oceania								
Naphtha	15.4	16.4	15.9	16.5	-0.5	-0.5	1.4	14.6
Motor gasoline	22.9	22.1	21.8	22.1	-0.3	-0.2	-0.7	22.5
Jet fuel	14.9	15.2	15.2	15.5	0.0	-0.3	-0.5	15.6
Other kerosene	3.4	4.1	4.6	5.3	0.5	-0.7	-1.2	5.8
Gasoil/diesel oil	30.3	28.2	30.0	28.1	1.8	1.9	0.6	29.3
Residual fuel oil	6.3	7.1	7.0	7.3	-0.1	-0.2	-0.9	8.0
Petroleum coke	0.3	0.3	0.3	0.4	0.1	-0.1	-0.1	0.4
Other products	12.3	12.0	11.6	11.1	-0.4	0.6	0.3	11.3
OECD Total								
Naphtha	6.1	6.4	6.1	6.5	-0.3	-0.4	0.2	5.9
Motor gasoline	33.8	34.3	34.5	34.5	0.2	0.0	-0.5	35.0
Jet fuel	10.6	10.3	10.1	9.7	-0.2	0.5	0.7	9.5
Other kerosene	1.4	1.5	1.6	1.7	0.1	-0.1	-0.2	1.8
Gasoil/diesel oil	32.0	31.5	32.5	32.1	0.9	0.3	-0.4	32.8
Residual fuel oil	5.9	6.0	6.1	6.2	0.1	-0.1	-0.4	6.5
Petroleum coke	2.7	2.7	2.7	2.7	0.0	0.0	-0.1	2.8
Other products	12.6	12.1	11.5	11.6	-0.6	0.0	0.1	11.5

¹ Due to processing gains and losses, yields in % will not always add up to 100%

Table 17
WORLD BIOFUELS PRODUCTION
(thousand barrels per day)

ETHANOL									
	2016	2017	2018	2Q18	3Q18	4Q18	Nov 18	Dec 18	Jan 19
OECD Americas¹	1027	1062	1084	1074	1099	1082	1084	1082	1087
United States	997	1032	1050	1040	1064	1048	1050	1048	1049
Other	29	30	34	34	34	34			
OECD Europe²	78	88	91	94	93	91	91	91	90
France	12	13	16	16	17	17	16	16	14
Germany	15	14	17	18	17	15	15	16	16
Spain	6	7	6	6	7	7	7	6	6
United Kingdom	8	11	9	10	9	9	10	9	9
Other	37	42	44	44	43	43			
OECD Asia Oceania³	4	3	5	5	5	5	5	5	5
Australia	4	3	4	4	4	4	4	4	4
Other	0	0	1	1	1	1			
Total OECD Ethanol	1109	1153	1180	1173	1196	1178	1180	1177	1182
Total Non-OECD Ethanol	643	624	728	866	1112	633	637	430	277
Brazil	493	478	547	686	931	453	456	249	75
China	49	71	69	65	71	76			
Argentina	15	15	19	19	19	19			
Other	85	61	93	97	91	86	181	181	201
Total Ethanol	1751	1777	1908	2040	2308	1811	1817	1607	1459

BIODIESEL									
	2016	2017	2018	2Q18	3Q18	4Q18	Nov 18	Dec 18	Jan 19
OECD Americas¹	109	111	127	124	136	136	133	138	143
United States	102	104	120	117	128	129	126	131	136
Other	7	7	7	7	7	7			
OECD Europe²	231	265	251	262	258	249	240	250	275
France	44	47	38	37	34	42	43	38	50
Germany	60	62	60	66	60	55	53	59	62
Italy	11	13	24	24	23	24			
Spain	26	34	25	26	26	26	26	25	28
Other	90	108	105	109	115	102	93	103	106
OECD Asia Oceania³	11	14	14	17	18	12	11	14	15
Australia	1	1	1	1	1	1	1	1	1
Other	10	13	14	17	17	11			
Total OECD Biodiesel	352	390	393	404	411	397	384	402	432
Total Non-OECD Biodiesel	281	292	322	322	332	323	323	323	360
Brazil	65	74	92	90	100	100	100	99	101
Argentina*	51	56	51	51	51	51			
Other	164	162	179	182	182	172			
Total Biodiesel	632	682	715	726	744	720	707	725	792

Global Biofuels	2384	2459	2623	2766	3052	2531	2524	2332	2251
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¹ As of August 2012 OMR, OECD Americas includes Chile.

² As of August 2012 OMR, OECD Europe includes Estonia and Slovenia.

³ As of August 2012 OMR, OECD Asia Oceania includes Israel.

* monthly data not available.

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