



International  
Energy Agency

# Tables

## Oil 2021

Analysis and forecast to 2026

# Tables

**Table 1. World oil supply and demand**

Table 1 WORLD OIL SUPPLY AND DEMAND (million barrels per day)																		
	2019	1Q20	2Q20	3Q20	4Q20	2020	2020	1Q21	2Q21	3Q21	4Q21	2021	2022	2023	2024	2025	2026	
	OECD DEMAND																	
Americas	25.7	24.3	20.0	22.7	23.2	22.6		23.3	23.7	24.7	25.1	24.2	24.9	25.1	25.1	25.0	25.0	
Europe	14.3	13.3	11.0	12.9	12.6	12.4		12.2	13.2	13.7	13.6	13.2	13.3	13.5	13.5	13.4	13.3	
Asia Oceania	7.8	7.8	6.5	6.7	7.3	7.1		7.7	6.9	7.1	7.7	7.4	7.6	7.6	7.6	7.6	7.5	
<b>Total OECD</b>	<b>47.7</b>	<b>45.4</b>	<b>37.6</b>	<b>42.3</b>	<b>43.1</b>	<b>42.1</b>		<b>43.3</b>	<b>43.8</b>	<b>45.4</b>	<b>46.5</b>	<b>44.7</b>	<b>45.8</b>	<b>46.2</b>	<b>46.2</b>	<b>46.0</b>	<b>45.8</b>	
<b>NON-OECD DEMAND</b>																		
FSU	4.8	4.6	4.0	4.8	4.8	4.6		4.5	4.5	4.9	4.9	4.7	4.8	4.9	5.0	5.1	5.2	
Europe	0.8	0.7	0.6	0.8	0.8	0.7		0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	
China	13.7	11.8	14.2	14.7	14.9	13.9		14.3	14.7	14.9	15.1	14.8	15.2	15.5	15.7	16.0	16.1	
Other Asia	14.0	13.4	11.2	12.4	13.5	12.6		13.6	13.7	13.3	13.9	13.6	14.3	14.8	15.2	15.6	15.9	
Latin America	6.2	5.8	4.9	5.8	5.9	5.6		5.8	5.8	6.1	6.0	5.9	6.2	6.3	6.4	6.5	6.5	
Middle East	8.3	7.8	7.0	8.1	7.7	7.6		7.6	7.7	8.4	7.8	7.9	8.2	8.4	8.5	8.7	8.9	
Africa	4.2	4.2	3.3	3.8	4.0	3.8		4.0	4.0	4.0	4.1	4.0	4.2	4.4	4.5	4.7	4.8	
<b>Total Non-OECD</b>	<b>52.0</b>	<b>48.3</b>	<b>45.3</b>	<b>50.4</b>	<b>51.7</b>	<b>48.9</b>		<b>50.7</b>	<b>51.1</b>	<b>52.3</b>	<b>52.7</b>	<b>51.7</b>	<b>53.7</b>	<b>55.0</b>	<b>56.1</b>	<b>57.2</b>	<b>58.3</b>	
<b>Total Demand<sup>1</sup></b>	<b>99.7</b>	<b>93.8</b>	<b>82.9</b>	<b>92.7</b>	<b>94.7</b>	<b>91.0</b>		<b>93.9</b>	<b>94.9</b>	<b>97.7</b>	<b>99.2</b>	<b>96.5</b>	<b>99.4</b>	<b>101.2</b>	<b>102.3</b>	<b>103.2</b>	<b>104.1</b>	
<b>OECD SUPPLY</b>																		
Americas	24.6	25.7	22.8	23.1	23.7	23.8		23.6	24.0	24.1	24.4	24.0	24.8	25.4	25.7	25.9	25.9	
Europe	3.3	3.7	3.6	3.4	3.5	3.5		3.6	3.6	3.6	3.8	3.6	3.7	3.6	3.6	3.5	3.4	
Asia Oceania	0.5	0.5	0.5	0.5	0.5	0.5		0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	
<b>Total OECD</b>	<b>28.5</b>	<b>29.9</b>	<b>26.9</b>	<b>27.1</b>	<b>27.8</b>	<b>27.9</b>		<b>27.8</b>	<b>28.1</b>	<b>28.3</b>	<b>28.7</b>	<b>28.2</b>	<b>29.0</b>	<b>29.6</b>	<b>29.9</b>	<b>29.9</b>	<b>29.7</b>	
<b>NON-OECD SUPPLY</b>																		
FSU	14.6	14.8	13.2	12.8	13.2	13.5		13.4	13.6	13.7	13.7	13.6	14.4	14.8	14.7	14.6	14.4	
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	
China	3.9	4.0	4.0	4.0	3.9	4.0		4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	
Other Asia	3.3	3.2	3.0	3.0	3.0	3.0		3.0	3.0	3.0	2.9	3.0	2.9	2.8	2.7	2.6	2.5	
Latin America	5.3	5.6	5.1	5.4	5.2	5.3		5.4	5.6	5.6	5.6	5.6	5.7	5.9	6.0	6.4	6.7	
Middle East	3.2	3.2	3.1	3.1	3.1	3.1		3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.4	3.4	3.5	
Africa	1.5	1.4	1.4	1.4	1.3	1.4		1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.2	
<b>Total Non-OECD</b>	<b>32.0</b>	<b>32.3</b>	<b>30.0</b>	<b>29.7</b>	<b>29.9</b>	<b>30.5</b>		<b>30.3</b>	<b>30.8</b>	<b>30.8</b>	<b>30.7</b>	<b>30.6</b>	<b>31.5</b>	<b>32.0</b>	<b>32.0</b>	<b>32.1</b>	<b>32.1</b>	
Processing Gains <sup>2</sup>	2.4	2.3	2.0	2.1	2.1	2.1		2.1	2.2	2.3	2.3	2.2	2.4	2.4	2.4	2.5	2.5	
Global Biofuels	2.8	2.2	2.5	3.1	2.6	2.6		2.3	2.9	3.2	2.9	2.8	3.0	3.1	3.2	3.3	3.3	
<b>Total Non-OPEC<sup>3</sup></b>	<b>65.6</b>	<b>66.7</b>	<b>61.3</b>	<b>61.9</b>	<b>62.4</b>	<b>63.1</b>		<b>62.5</b>	<b>63.9</b>	<b>64.5</b>	<b>64.6</b>	<b>63.9</b>	<b>66.0</b>	<b>67.1</b>	<b>67.5</b>	<b>67.7</b>	<b>67.6</b>	
<b>OPEC</b>																		
Crude <sup>3</sup>	29.5	28.2	25.6	24.1	24.9	25.7												
OPEC NGLs	5.4	5.4	5.2	5.1	5.2	5.2		5.2	5.3	5.3	5.3	5.3	5.5	5.5	5.6	5.6	5.7	
<b>Total OPEC<sup>3</sup></b>	<b>34.9</b>	<b>33.6</b>	<b>30.8</b>	<b>29.2</b>	<b>30.0</b>	<b>30.9</b>												
<b>Total Supply</b>	<b>100.5</b>	<b>100.2</b>	<b>92.1</b>	<b>91.1</b>	<b>92.4</b>	<b>93.9</b>												

**Memo items:**

Call on OPEC crude + Stock ch.<sup>4</sup> 28.7 21.7 16.4 25.7 27.2 22.8 26.2 25.7 27.9 29.3 27.3 28.0 28.6 29.2 29.9 30.8

<sup>1</sup> 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.

<sup>2</sup> Net volumetric gains and losses in the refining process and marine transportation losses.

<sup>3</sup> Total Non-OPEC excludes all countries that are currently members of OPEC.

Total OPEC comprises all countries which are current OPEC members.

<sup>4</sup> Equals the arithmetic difference between total demand minus total non-OPEC supply minus OPEC NGLs.

**Table 1a. World oil supply and demand: Changes from oil 2020**

WORLD OIL SUPPLY AND DEMAND: CHANGES FROM OIL 2020 (million barrels per day)															
	1Q19	2Q19	3Q19	4Q19	2019	1Q20	2Q20	3Q20	4Q20	2020	2021	2022	2023	2024	2025
<b>OECD DEMAND</b>															
Americas	-0.1	0.1	0.2	0.2	0.1	-0.8	-5.4	-3.5	-2.8	-3.1	-1.6	-0.9	-0.8	-0.7	-0.7
Europe	0.1	0.1	0.1	0.1	0.1	-0.3	-2.7	-1.6	-1.4	-1.5	-0.8	-0.8	-0.6	-0.5	-0.6
Asia Oceania	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-0.7	-0.9	-0.7	-0.7	-0.5	-0.4	-0.3	-0.4	-0.4
<b>Total OECD</b>	<b>-0.1</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>-1.4</b>	<b>-8.8</b>	<b>-6.0</b>	<b>-4.9</b>	<b>-5.3</b>	<b>-3.0</b>	<b>-2.1</b>	<b>-1.7</b>	<b>-1.6</b>	<b>-1.7</b>
<b>NON-OECD DEMAND</b>															
FSU	0.0	0.0	0.1	0.1	0.1	0.0	-0.7	-0.2	-0.1	-0.2	-0.2	-0.1	0.0	0.1	0.1
Europe	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
China	0.1	-0.1	0.1	0.1	0.0	0.6	0.4	0.5	0.7	0.5	0.6	0.6	0.6	0.4	0.5
Other Asia	-0.3	-0.2	-0.3	-0.4	-0.3	-1.2	-3.3	-1.7	-1.3	-1.9	-1.3	-1.1	-1.0	-1.0	-1.0
Latin America	0.0	-0.1	0.0	-0.1	-0.1	-0.4	-1.4	-0.6	-0.4	-0.7	-0.4	-0.3	-0.2	-0.2	-0.1
Middle East	0.0	0.0	0.0	0.0	0.0	-0.2	-1.4	-0.9	-0.4	-0.7	-0.7	-0.5	-0.2	-0.1	0.0
Africa	-0.1	-0.1	0.0	-0.1	-0.1	-0.2	-1.1	-0.4	-0.4	-0.5	-0.4	-0.3	-0.3	-0.2	-0.2
<b>Total Non-OECD</b>	<b>-0.3</b>	<b>-0.4</b>	<b>-0.3</b>	<b>-0.5</b>	<b>-0.4</b>	<b>-1.5</b>	<b>-7.6</b>	<b>-3.4</b>	<b>-2.1</b>	<b>-3.6</b>	<b>-2.5</b>	<b>-1.6</b>	<b>-1.2</b>	<b>-1.0</b>	<b>-0.8</b>
<b>Total Demand</b>	<b>-0.4</b>	<b>-0.3</b>	<b>-0.1</b>	<b>-0.3</b>	<b>-0.3</b>	<b>-2.9</b>	<b>-16.3</b>	<b>-9.4</b>	<b>-7.0</b>	<b>-8.9</b>	<b>-5.5</b>	<b>-3.7</b>	<b>-2.9</b>	<b>-2.6</b>	<b>-2.5</b>
<b>OECD SUPPLY</b>															
Americas	0.0	-0.1	0.0	-0.1	-0.1	0.1	-2.9	-2.9	-2.8	-2.1	-2.9	-2.5	-2.1	-1.8	-1.6
Europe	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.3	-0.2	-0.2	-0.1	-0.2	0.0	0.2
Asia Oceania	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total OECD</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>-3.0</b>	<b>-3.3</b>	<b>-3.2</b>	<b>-2.3</b>	<b>-3.1</b>	<b>-2.6</b>	<b>-2.3</b>	<b>-1.8</b>	<b>-1.5</b>
<b>NON-OECD SUPPLY</b>															
FSU	0.0	0.0	0.0	0.0	0.0	0.0	-1.4	-1.8	-1.5	-1.2	-1.2	-0.5	0.1	0.1	0.1
Europe	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
China	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	-0.1	-0.1	-0.1	-0.1
Other Asia	0.0	0.1	0.0	0.0	0.1	0.0	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Latin America	0.0	0.1	0.1	0.1	0.1	0.0	-0.3	-0.3	-0.5	-0.3	-0.2	0.0	-0.2	-0.4	-0.3
Middle East	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
Africa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.2
<b>Total Non-OECD</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>-1.9</b>	<b>-2.4</b>	<b>-2.2</b>	<b>-1.6</b>	<b>-1.6</b>	<b>-0.6</b>	<b>-0.3</b>	<b>-0.5</b>	<b>-0.6</b>
Processing Gains	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.3	-0.2	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1
Global Biofuels	0.0	0.0	0.0	0.0	0.0	-0.2	-0.5	-0.2	-0.3	-0.3	-0.1	0.0	0.0	0.0	0.0
<b>Total Non-OPEC</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>-5.8</b>	<b>-6.2</b>	<b>-6.0</b>	<b>-4.5</b>	<b>-5.0</b>	<b>-3.3</b>	<b>-2.6</b>	<b>-2.3</b>	<b>-2.2</b>
<b>OPEC</b>															
Crude	0.0	0.0	0.0	0.0	0.0										
OPEC NGLs	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	-0.4	-0.4	-0.4	-0.3	-0.3	-0.1	-0.1	-0.1	-0.1
<b>Total OPEC</b>	<b>0.0</b>	<b>-0.1</b>	<b>-0.1</b>	<b>-0.2</b>	<b>-0.1</b>										
<b>Total Supply</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>-0.1</b>	<b>0.0</b>										
<b>Memo items:</b>															
Call on OPEC crude + Stock ch.	-0.4	-0.4	-0.2	-0.2	-0.3		-2.8	-10.2	-2.7	-0.6	-4.1	-0.2	-0.3	-0.2	-0.2

**Table 1b. World oil supply and demand: WEO regions**

**Table 1b**  
**WORLD OIL SUPPLY AND DEMAND - WEO Regions**  
(million barrels per day)

	2019	1Q20	2Q20	3Q20	4Q20	2020	1Q21	2Q21	3Q21	4Q21	2021	2022	2023	2024	2025	2026
<b>DEMAND</b>																
North America	25.3	24.0	19.7	22.4	22.8	22.2	22.9	23.3	24.3	24.8	23.8	24.5	24.7	24.7	24.6	24.6
Central and South America	6.6	6.1	5.2	6.1	6.3	5.9	6.2	6.2	6.4	6.4	6.3	6.6	6.7	6.7	6.8	6.9
Europe	15.7	14.7	12.2	14.2	14.0	13.8	13.6	14.5	15.1	15.1	14.6	14.8	15.0	15.0	14.9	14.9
Africa	4.2	4.2	3.3	3.8	4.0	3.8	4.0	4.0	4.0	4.1	4.0	4.2	4.4	4.5	4.7	4.8
Middle East	8.3	7.8	7.0	8.1	7.7	7.6	7.6	7.7	8.4	7.8	7.9	8.2	8.4	8.5	8.7	8.9
Eurasia	4.4	4.2	3.7	4.4	4.4	4.2	4.2	4.1	4.5	4.4	4.3	4.4	4.5	4.6	4.6	4.7
Asia Pacific	35.2	32.8	31.8	33.6	35.5	33.4	35.5	35.1	35.1	36.5	35.6	36.9	37.7	38.2	38.9	39.3
<b>Total Demand<sup>1</sup></b>	<b>99.7</b>	<b>93.8</b>	<b>82.9</b>	<b>92.7</b>	<b>94.7</b>	<b>91.0</b>	<b>93.9</b>	<b>94.9</b>	<b>97.7</b>	<b>99.2</b>	<b>96.5</b>	<b>99.4</b>	<b>101.2</b>	<b>102.3</b>	<b>103.2</b>	<b>104.1</b>
<b>NON-OPEC SUPPLY</b>																
North America	24.6	25.7	22.8	23.1	23.7	23.8	23.5	23.9	24.1	24.4	24.0	24.8	25.4	25.7	25.9	25.9
Central and South America	5.3	5.6	5.1	5.4	5.2	5.3	5.4	5.6	5.6	5.6	5.6	5.7	5.9	6.0	6.4	6.7
Europe	3.5	3.9	3.8	3.6	3.7	3.7	3.8	3.7	3.8	3.9	3.8	3.8	3.8	3.8	3.7	3.5
Africa	1.5	1.4	1.4	1.4	1.3	1.4	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.2
Middle East	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.4	3.4	3.5
Eurasia	14.6	14.7	13.2	12.7	13.1	13.4	13.3	13.5	13.6	13.6	13.5	14.3	14.7	14.6	14.5	14.3
Asia Pacific	7.7	7.7	7.5	7.5	7.4	7.5	7.5	7.5	7.5	7.4	7.5	7.3	7.1	7.0	6.8	6.7
<b>Total Non-OPEC</b>	<b>60.5</b>	<b>62.2</b>	<b>56.9</b>	<b>56.8</b>	<b>57.6</b>	<b>58.4</b>	<b>58.1</b>	<b>58.8</b>	<b>59.0</b>	<b>59.4</b>	<b>58.8</b>	<b>60.6</b>	<b>61.5</b>	<b>61.9</b>	<b>62.0</b>	<b>61.8</b>
Processing Gains <sup>2</sup>	2.4	2.3	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.2	2.4	2.4	2.4	2.5	2.5
Global Biofuels	2.8	2.2	2.5	3.1	2.6	2.6	2.3	2.9	3.2	2.9	2.8	3.0	3.1	3.2	3.3	3.3
<b>Total Non-OPEC<sup>3</sup></b>	<b>65.6</b>	<b>66.7</b>	<b>61.3</b>	<b>61.9</b>	<b>62.4</b>	<b>63.1</b>	<b>62.5</b>	<b>63.9</b>	<b>64.5</b>	<b>64.6</b>	<b>63.9</b>	<b>66.0</b>	<b>67.1</b>	<b>67.5</b>	<b>67.7</b>	<b>67.6</b>
<b>OPEC SUPPLY</b>																
Crude <sup>4</sup>	29.5	28.2	25.6	24.1	24.9	25.7										
OPEC NGLs	5.4	5.4	5.2	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.5	5.5	5.6	5.6	5.7
Total OPEC <sup>3</sup>	34.9	33.6	30.8	29.2	30.0	30.9										
<b>Total Supply</b>	<b>100.5</b>	<b>100.2</b>	<b>92.1</b>	<b>91.1</b>	<b>92.4</b>	<b>93.9</b>										
<b>Memo items:</b>																
Call on OPEC crude + Stock ch. <sup>4</sup>	28.7	21.7	16.4	25.7	27.2	22.8	26.2	25.7	27.9	29.3	27.3	28.0	28.6	29.2	29.9	30.8

<sup>1</sup> 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.

<sup>2</sup> Net volumetric gains and losses in the refining process and marine transportation losses.

<sup>3</sup> Total Non-OPEC excludes all countries that are currently members of OPEC.

Total OPEC comprises all countries which are current OPEC members.

<sup>4</sup> Equals arithmetic difference between total demand minus total non-OPEC supply minus OPEC NGLs.

**Table 2. Summary of global oil demand**

**Table 2**  
**SUMMARY OF GLOBAL OIL DEMAND**

	2019	1Q20	2Q20	3Q20	4Q20	2020	1Q21	2Q21	3Q21	4Q21	2021	2022	2023	2024	2025	2026
<strong>Demand (mb/d)</strong>																
Americas	25.65	24.3	20.0	22.7	23.2	22.6	23.3	23.7	24.7	25.1	24.2	24.9	25.1	25.1	25.0	25.0
Europe	14.25	13.3	11.0	12.9	12.6	12.4	12.2	13.2	13.7	13.6	13.2	13.3	13.5	13.5	13.4	13.3
Asia Oceania	7.79	7.8	6.5	6.7	7.3	7.1	7.7	6.9	7.1	7.7	7.4	7.6	7.6	7.6	7.6	7.5
<strong>Total OECD</strong>	<strong>47.70</strong>	<strong>45.4</strong>	<strong>37.6</strong>	<strong>42.3</strong>	<strong>43.1</strong>	<strong>42.1</strong>	<strong>43.3</strong>	<strong>43.8</strong>	<strong>45.4</strong>	<strong>46.5</strong>	<strong>44.7</strong>	<strong>45.8</strong>	<strong>46.2</strong>	<strong>46.2</strong>	<strong>46.0</strong>	<strong>45.8</strong>
Asia	27.66	25.3	25.5	27.1	28.4	26.6	28.0	28.4	28.2	29.1	28.4	29.5	30.3	30.9	31.6	32.1
Middle East	8.32	7.8	7.0	8.1	7.7	7.6	7.6	7.7	8.4	7.8	7.9	8.2	8.4	8.5	8.7	8.9
Latin America	6.23	5.8	4.9	5.8	5.9	5.6	5.8	5.8	6.1	6.0	5.9	6.2	6.3	6.4	6.5	6.5
FSU	4.78	4.6	4.0	4.8	4.8	4.6	4.5	4.5	4.9	4.9	4.7	4.8	4.9	5.0	5.1	5.2
Africa	4.24	4.2	3.3	3.8	4.0	3.8	4.0	4.0	4.0	4.1	4.0	4.2	4.4	4.5	4.7	4.8
Europe	0.77	0.7	0.6	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
<strong>Total Non-OECD</strong>	<strong>52.01</strong>	<strong>48.3</strong>	<strong>45.3</strong>	<strong>50.4</strong>	<strong>51.7</strong>	<strong>48.9</strong>	<strong>50.7</strong>	<strong>51.1</strong>	<strong>52.3</strong>	<strong>52.7</strong>	<strong>51.7</strong>	<strong>53.7</strong>	<strong>55.0</strong>	<strong>56.1</strong>	<strong>57.2</strong>	<strong>58.3</strong>
<strong>World</strong>	<strong>99.70</strong>	<strong>93.8</strong>	<strong>82.9</strong>	<strong>92.7</strong>	<strong>94.7</strong>	<strong>91.0</strong>	<strong>93.9</strong>	<strong>94.9</strong>	<strong>97.7</strong>	<strong>99.2</strong>	<strong>96.5</strong>	<strong>99.4</strong>	<strong>101.2</strong>	<strong>102.3</strong>	<strong>103.2</strong>	<strong>104.1</strong>
<strong>of which:</strong>																
USA	20.86	19.7	16.4	18.7	19.0	18.4	19.0	19.3	20.0	20.4	19.7	20.3	20.5	20.5	20.4	20.4
Euro5*	8.15	7.6	6.0	7.1	7.0	6.9	6.7	7.5	7.7	7.8	7.4	7.5	7.6	7.6	7.5	7.5
China	13.68	11.8	14.2	14.7	14.9	13.9	14.3	14.7	14.9	15.1	14.8	15.2	15.5	15.7	16.0	16.1
Japan	3.65	3.7	2.9	3.0	3.5	3.3	3.8	3.1	3.2	3.7	3.5	3.5	3.5	3.5	3.5	3.4
India	4.99	4.9	3.9	4.3	5.0	4.5	5.1	5.1	4.7	5.1	5.0	5.1	5.3	5.4	5.5	5.7
Russia	3.58	3.5	3.1	3.6	3.6	3.5	3.4	3.4	3.7	3.6	3.5	3.6	3.6	3.7	3.7	3.7
Brazil	3.08	2.9	2.6	3.0	3.1	2.9	2.9	2.9	3.0	3.1	3.0	3.1	3.1	3.2	3.2	3.2
Saudi Arabia	3.08	2.9	2.7	3.3	3.0	3.0	2.8	3.0	3.3	2.9	3.0	3.1	3.2	3.2	3.2	3.3
Korea	2.55	2.5	2.4	2.3	2.4	2.4	2.5	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6
Canada	2.37	2.3	1.9	2.2	2.0	2.1	2.1	2.1	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
Mexico	2.05	2.0	1.5	1.6	1.7	1.7	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Iran	1.98	1.9	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.9	1.9	2.0	2.0	2.0
<strong>Total</strong>	<strong>70.02</strong>	<strong>65.8</strong>	<strong>59.3</strong>	<strong>65.5</strong>	<strong>67.1</strong>	<strong>64.4</strong>	<strong>66.4</strong>	<strong>67.3</strong>	<strong>69.1</strong>	<strong>70.3</strong>	<strong>68.3</strong>	<strong>70.1</strong>	<strong>71.0</strong>	<strong>71.4</strong>	<strong>71.8</strong>	<strong>72.1</strong>
<strong>% of World</strong>	<strong>70.23</strong>	<strong>70.2</strong>	<strong>71.5</strong>	<strong>70.7</strong>	<strong>70.9</strong>	<strong>70.8</strong>	<strong>70.7</strong>	<strong>70.8</strong>	<strong>70.7</strong>	<strong>70.9</strong>	<strong>70.8</strong>	<strong>70.5</strong>	<strong>70.2</strong>	<strong>69.8</strong>	<strong>69.6</strong>	<strong>69.3</strong>
<strong>Annual Change (% per annum)</strong>																
Americas	-3.7	-21.4	-12.7	-10.3	-12.1	-4.3	18.4	8.5	8.5	7.2	2.8	0.8	0.0	-0.3	-0.2	-0.2
Europe	-4.9	-22.3	-12.5	-10.9	-12.6	-8.3	19.5	6.2	8.7	5.9	0.9	1.2	0.1	-0.8	-0.6	-0.6
Asia Oceania	-5.7	-11.7	-11.4	-8.1	-9.1	-0.2	5.9	6.5	4.7	4.1	2.9	0.4	-0.2	-0.5	-0.5	-0.5
<strong>Total OECD</strong>	<strong>-4.4</strong>	<strong>-20.2</strong>	<strong>-12.4</strong>	<strong>-10.1</strong>	<strong>-11.8</strong>	<strong>-4.8</strong>	<strong>16.5</strong>	<strong>7.5</strong>	<strong>7.9</strong>	<strong>6.3</strong>	<strong>2.2</strong>	<strong>0.9</strong>	<strong>0.0</strong>	<strong>-0.5</strong>	<strong>-0.4</strong>	<strong>-0.4</strong>
Asia	-7.7	-8.2	-1.1	0.9	-4.0	10.8	11.6	4.1	2.4	7.0	3.9	2.5	2.0	2.2	1.6	1.6
Middle East	-3.9	-14.4	-7.0	-7.3	-8.1	-2.5	10.4	3.1	1.1	2.9	3.6	2.7	1.7	1.6	2.7	2.7
Latin America	-6.1	-21.1	-8.2	-5.2	-10.1	0.7	18.5	4.7	1.8	5.9	4.3	1.7	1.3	1.4	1.1	1.1
FSU	1.4	-14.0	-3.7	-1.6	-4.5	-1.6	12.6	2.9	1.2	3.5	1.5	2.6	2.0	1.3	2.3	2.3
Africa	-2.6	-22.5	-7.1	-6.1	-9.6	-3.2	19.3	3.0	2.6	4.7	5.0	3.6	3.2	3.2	2.8	2.8
Europe	-0.9	-21.0	-3.0	-1.6	-6.7	0.0	18.4	3.0	1.5	5.1	5.2	2.4	2.1	1.9	1.8	1.8
<strong>Total Non-OECD</strong>	<strong>-5.6</strong>	<strong>-12.6</strong>	<strong>-3.7</strong>	<strong>-2.0</strong>	<strong>-5.9</strong>	<strong>4.9</strong>	<strong>12.9</strong>	<strong>3.8</strong>	<strong>2.0</strong>	<strong>5.7</strong>	<strong>3.8</strong>	<strong>2.5</strong>	<strong>2.0</strong>	<strong>1.9</strong>	<strong>1.9</strong>	<strong>1.9</strong>
<strong>World</strong>	<strong>-5.0</strong>	<strong>-16.2</strong>	<strong>-7.9</strong>	<strong>-5.8</strong>	<strong>-8.7</strong>	<strong>0.2</strong>	<strong>14.6</strong>	<strong>5.5</strong>	<strong>4.7</strong>	<strong>6.0</strong>	<strong>3.1</strong>	<strong>1.8</strong>	<strong>1.1</strong>	<strong>0.9</strong>	<strong>0.9</strong>	<strong>0.9</strong>
<strong>Annual Change (mb/d)</strong>																
Americas	-0.9	-5.5	-3.3	-2.7	-3.1	-1.1	3.7	1.9	2.0	1.6	0.7	0.2	0.0	-0.1	0.0	0.0
Europe	-0.7	-3.2	-1.8	-1.5	-1.8	-1.1	2.2	0.8	1.1	0.7	0.1	0.2	0.0	-0.1	-0.1	-0.1
Asia Oceania	-0.5	-0.9	-0.9	-0.6	-0.7	0.0	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0
<strong>Total OECD</strong>	<strong>-2.1</strong>	<strong>-9.5</strong>	<strong>-6.0</strong>	<strong>-4.8</strong>	<strong>-5.6</strong>	<strong>-2.2</strong>	<strong>6.2</strong>	<strong>3.2</strong>	<strong>3.4</strong>	<strong>2.7</strong>	<strong>1.0</strong>	<strong>0.4</strong>	<strong>0.0</strong>	<strong>-0.2</strong>	<strong>-0.2</strong>	<strong>-0.2</strong>
Asia	-2.1	-2.3	-0.3	0.3	-1.1	2.7	3.0	1.1	0.7	1.9	1.1	0.7	0.6	0.7	0.5	0.5
Middle East	-0.3	-1.2	-0.6	-0.6	-0.7	-0.2	0.7	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.2
Latin America	-0.4	-1.3	-0.5	-0.3	-0.6	0.0	0.9	0.3	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.1
FSU	0.1	-0.7	-0.2	-0.1	-0.2	-0.1	0.5	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Africa	-0.1	-1.0	-0.3	-0.3	-0.4	-0.1	0.6	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Europe	0.0	-0.2	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<strong>Total Non-OECD</strong>	<strong>-2.8</strong>	<strong>-6.5</strong>	<strong>-1.9</strong>	<strong>-1.0</strong>	<strong>-3.1</strong>	<strong>2.4</strong>	<strong>5.9</strong>	<strong>1.9</strong>	<strong>1.0</strong>	<strong>2.8</strong>	<strong>2.0</strong>	<strong>1.4</strong>	<strong>1.1</strong>	<strong>1.1</strong>	<strong>1.1</strong>	<strong>1.1</strong>
<strong>World</strong>	<strong>-4.9</strong>	<strong>-16.0</strong>	<strong>-7.9</strong>	<strong>-5.9</strong>	<strong>-8.7</strong>	<strong>0.2</strong>	<strong>12.1</strong>	<strong>5.1</strong>	<strong>4.4</strong>	<strong>5.4</strong>	<strong>3.0</strong>	<strong>1.8</strong>	<strong>1.1</strong>	<strong>0.9</strong>	<strong>0.9</strong>	<strong>0.9</strong>
<strong>Revisions to Oil Demand from Last Medium Term Report (mb/d)</strong>																
Americas	-0.8	-5.4	-3.5	-2.8	-3.1	-2.5	-2.1	-1.1	-0.6	-1.6	-0.9	-0.8	-0.7	-0.7	-0.7	-0.7
Europe	-0.3	-2.7	-1.6	-1.4	-1.5	-1.8	-0.8	-0.4	-0.4	-0.8	-0.8	-0.6	-0.5	-0.6	-0.6	-0.6
Asia Oceania	-0.3	-0.7	-0.9	-0.7	-0.7	-0.2	-1.0	-0.9	-0.2	-0.7	-0.5	-0.2	-0.1	0.0	0.0	0.0
<strong>Total OECD</strong>	<strong>-1.4</strong>	<strong>-8.8</strong>	<strong>-6.0</strong>	<strong>-4.9</strong>	<strong>-5.3</strong>	<strong>-4.5</strong>	<strong>-3.9</strong>	<strong>-2.3</strong>	<strong>-1.3</strong>	<strong>-3.0</strong>	<strong>-2.1</strong>	<strong>-1.7</strong>	<strong>-1.6</strong>	<strong>-1.7</strong>	<strong>-1.7</strong>	<strong>-1.7</strong>
Asia	-0.6	-2.9	-1.3	-0.7	-1.4	-1.2	-0.8	-1.0	-0.1	-0.8	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5
Middle East	-0.2	-1.4	-0.9	-0.4	-0.7	-1.0	-0.9	-0.2	-0.7	-0.7	-0.5	-0.2	-0.1	0.0	0.0	0.0
Latin America	-0.4	-1.4	-0.6	-0.4	-0.7	-0.6	-0.6	-0.3	-0.3	-0.4	-0.3	-0.2	-0.2	-0.1	-0.1	-0.1
FSU	0.0	-0.7	-0.2	-0.1	-0.2	-0.3	-0.4	0.0	0.0	-0.2	-0.1	0.0	0.1	0.1	0.1	0.1
Africa	-0.2	-1.1	-0.4	-0.4	-0.5	-0.4	-0.5	-0.5	-0.5	-0.3	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2
Europe	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
<strong>Total Non-OECD</strong>	<strong>-1.5</strong>	<strong>-7.6</strong>	<strong>-3.4</strong>	<strong>-2.1</strong>	<strong>-3.6</strong>	<strong>-3.6</strong>	<strong>-3.1</strong>	<strong>-1.9</strong>	<strong>-1.5</strong>	<strong>-2.5</strong>	<strong>-1.6</strong>	<strong>-1.2</strong>	<strong>-1.0</strong>	<strong>-0.8</strong>		
<strong>World</strong>	<strong>-2.9</strong>	<strong>-16.3</strong>	<strong>-9.4</strong>	<strong>-7.0</strong>	<strong>-8.9</strong>	<strong>-8.0</strong>	<strong>-7.0</strong>	<strong>-4.2</strong>	<strong>-2.8</strong>	<strong>-5.5</strong>	<strong>-3.7</strong>	<strong>-2.9</strong>	<strong>-2.6</strong>	<strong>-2.5</strong>		
<strong>Revisions to Oil Demand Growth from Last Medium Term Report (mb/d)</strong>																
World	-2.5	-16.0	-9.3	-6.7	-8.6	-5.1	9.3	5.1	4.2	3.4	1.8	0.8	0.2	0.1		

\* France, Germany, Italy, Spain and UK

**Table 3. World oil production**

**Table 3**  
**WORLD OIL PRODUCTION**  
(million barrels per day)

	2019	1Q20	2Q20	3Q20	4Q20	2020	1Q21	2Q21	3Q21	4Q21	2021	2022	2023	2024	2025	2026
<b>OPEC</b>																
<b>Crude Oil</b>																
Saudi Arabia	9.80	9.77	9.31	8.78	8.99	9.21										
Iran	2.36	2.02	1.95	1.96	2.00	1.98										
Iraq	4.71	4.57	4.13	3.69	3.81	4.05										
UAE	3.18	3.23	2.87	2.84	2.51	2.86										
Kuwait	2.68	2.73	2.42	2.25	2.30	2.42										
Angola	1.39	1.39	1.26	1.24	1.18	1.27										
Nigeria	1.73	1.73	1.57	1.37	1.31	1.49										
Libya	1.09	0.33	0.08	0.11	0.89	0.35										
Algeria	1.02	1.02	0.87	0.84	0.86	0.90										
Congo	0.33	0.30	0.31	0.30	0.28	0.30										
Gabon	0.21	0.19	0.21	0.19	0.20	0.20										
Equatorial Guinea	0.11	0.12	0.11	0.11	0.11	0.11										
Venezuela	0.87	0.77	0.52	0.40	0.42	0.53										
<b>Total Crude Oil</b>	<b>29.49</b>	<b>28.18</b>	<b>25.61</b>	<b>24.10</b>	<b>24.86</b>	<b>25.68</b>										
<b>Total NGLs<sup>1</sup></b>	<b>5.41</b>	<b>5.40</b>	<b>5.16</b>	<b>5.08</b>	<b>5.16</b>	<b>5.20</b>	<b>5.20</b>	<b>5.29</b>	<b>5.30</b>	<b>5.30</b>	<b>5.27</b>	<b>5.47</b>	<b>5.49</b>	<b>5.56</b>	<b>5.62</b>	<b>5.66</b>
<b>Total OPEC<sup>2</sup></b>	<b>34.90</b>	<b>33.57</b>	<b>30.77</b>	<b>29.17</b>	<b>30.02</b>	<b>30.88</b>										
<b>NON-OPEC<sup>3</sup></b>																
<b>OECD</b>																
<b>Americas</b>	<b>24.65</b>	<b>25.66</b>	<b>22.77</b>	<b>23.13</b>	<b>23.72</b>	<b>23.82</b>	<b>23.56</b>	<b>23.95</b>	<b>24.10</b>	<b>24.38</b>	<b>24.00</b>	<b>24.83</b>	<b>25.41</b>	<b>25.74</b>	<b>25.90</b>	<b>25.92</b>
United States	17.16	17.96	15.87	16.25	16.20	16.57	15.88	16.54	16.52	16.61	16.39	17.01	17.56	17.89	18.12	18.20
Mexico	1.93	2.00	1.92	1.91	1.90	1.93	1.92	1.92	1.91	1.92	1.92	1.97	1.92	1.80	1.72	1.67
Canada	5.54	5.70	4.96	4.96	5.61	5.31	5.75	5.49	5.66	5.84	5.69	5.84	5.92	6.04	6.04	6.04
Chile	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>Europe</b>	<b>3.33</b>	<b>3.69</b>	<b>3.57</b>	<b>3.40</b>	<b>3.51</b>	<b>3.54</b>	<b>3.65</b>	<b>3.55</b>	<b>3.62</b>	<b>3.75</b>	<b>3.64</b>	<b>3.66</b>	<b>3.64</b>	<b>3.64</b>	<b>3.54</b>	<b>3.38</b>
UK	1.13	1.15	1.12	0.96	1.01	1.06	1.02	0.96	1.00	1.06	1.01	0.98	0.92	0.88	0.83	0.78
Norway	1.74	2.04	2.00	1.95	2.01	2.00	2.15	2.11	2.15	2.22	2.16	2.22	2.27	2.31	2.28	2.17
Others	0.46	0.50	0.45	0.49	0.49	0.48	0.48	0.48	0.48	0.47	0.48	0.46	0.45	0.44	0.43	0.42
<b>Asia Oceania</b>	<b>0.53</b>	<b>0.53</b>	<b>0.54</b>	<b>0.54</b>	<b>0.52</b>	<b>0.53</b>	<b>0.55</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>	<b>0.54</b>	<b>0.51</b>	<b>0.48</b>	<b>0.45</b>	<b>0.43</b>
Australia	0.46	0.46	0.47	0.47	0.46	0.46	0.48	0.49	0.49	0.49	0.49	0.48	0.45	0.42	0.40	0.37
Others	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06
<b>Total OECD</b>	<b>28.51</b>	<b>29.89</b>	<b>26.88</b>	<b>27.06</b>	<b>27.76</b>	<b>27.89</b>	<b>27.75</b>	<b>28.07</b>	<b>28.28</b>	<b>28.69</b>	<b>28.20</b>	<b>29.04</b>	<b>29.57</b>	<b>29.87</b>	<b>29.89</b>	<b>29.72</b>
<b>NON-OECD</b>																
<b>Former USSR</b>	<b>14.64</b>	<b>14.79</b>	<b>13.24</b>	<b>12.78</b>	<b>13.19</b>	<b>13.50</b>	<b>13.41</b>	<b>13.61</b>	<b>13.71</b>	<b>13.73</b>	<b>13.62</b>	<b>14.42</b>	<b>14.76</b>	<b>14.72</b>	<b>14.61</b>	<b>14.39</b>
Russia	11.58	11.64	10.35	10.08	10.37	10.61	10.52	10.75	10.81	10.82	10.72	11.42	11.70	11.56	11.43	11.28
Others	3.06	3.15	2.89	2.71	2.83	2.89	2.88	2.87	2.90	2.91	2.89	3.00	3.05	3.17	3.18	3.11
<b>Asia</b>	<b>7.19</b>	<b>7.18</b>	<b>6.97</b>	<b>6.96</b>	<b>6.92</b>	<b>7.01</b>	<b>6.97</b>	<b>6.97</b>	<b>6.90</b>	<b>6.83</b>	<b>6.92</b>	<b>6.74</b>	<b>6.62</b>	<b>6.51</b>	<b>6.36</b>	<b>6.23</b>
China	3.92	3.99	3.98	3.98	3.93	3.97	3.96	3.99	3.93	3.88	3.94	3.84	3.83	3.80	3.75	3.70
Malaysia	0.67	0.67	0.56	0.58	0.60	0.60	0.64	0.66	0.67	0.66	0.66	0.68	0.66	0.65	0.63	0.57
India	0.80	0.77	0.74	0.75	0.74	0.75	0.74	0.73	0.73	0.72	0.73	0.71	0.69	0.70	0.66	0.63
Indonesia	0.77	0.75	0.74	0.72	0.74	0.74	0.71	0.70	0.69	0.69	0.70	0.67	0.64	0.61	0.59	0.60
Others	1.03	0.99	0.95	0.92	0.92	0.95	0.92	0.90	0.88	0.88	0.89	0.85	0.79	0.75	0.74	0.73
<b>Europe</b>	<b>0.12</b>	<b>0.12</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.10</b>	<b>0.10</b>	<b>0.11</b>	<b>0.10</b>	<b>0.10</b>	<b>0.09</b>	<b>0.08</b>	<b>0.08</b>	<b>0.07</b>
<b>Latin America<sup>2</sup></b>	<b>5.34</b>	<b>5.62</b>	<b>5.11</b>	<b>5.40</b>	<b>5.20</b>	<b>5.33</b>	<b>5.37</b>	<b>5.61</b>	<b>5.60</b>	<b>5.63</b>	<b>5.55</b>	<b>5.70</b>	<b>5.88</b>	<b>6.03</b>	<b>6.35</b>	<b>6.73</b>
Brazil	2.90	3.15	3.01	3.14	2.89	3.05	3.02	3.26	3.27	3.31	3.21	3.37	3.48	3.64	3.93	4.21
Argentina	0.65	0.65	0.58	0.60	0.60	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.65	0.67	0.69	0.71
Colombia	0.89	0.88	0.76	0.75	0.76	0.79	0.76	0.76	0.75	0.74	0.75	0.71	0.66	0.62	0.57	0.53
Ecuador	0.53	0.54	0.35	0.52	0.51	0.48	0.53	0.53	0.53	0.53	0.53	0.51	0.48	0.45	0.43	0.40
Others	0.37	0.41	0.40	0.40	0.43	0.41	0.45	0.44	0.44	0.43	0.44	0.48	0.61	0.65	0.74	0.87
<b>Middle East<sup>2</sup></b>	<b>3.18</b>	<b>3.17</b>	<b>3.13</b>	<b>3.08</b>	<b>3.13</b>	<b>3.13</b>	<b>3.16</b>	<b>3.18</b>	<b>3.20</b>	<b>3.21</b>	<b>3.19</b>	<b>3.31</b>	<b>3.38</b>	<b>3.39</b>	<b>3.40</b>	<b>3.46</b>
Oman	0.98	1.01	0.95	0.92	0.95	0.96	0.96	0.98	1.00	1.00	0.98	1.08	1.14	1.14	1.14	1.14
Qatar	1.89	1.86	1.89	1.88	1.89	1.88	1.90	1.90	1.91	1.91	1.91	1.93	1.95	1.97	1.98	2.05
Syria	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Yemen	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Others	0.21	0.19	0.18	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.18	0.17	0.17	0.16
<b>Africa<sup>2</sup></b>	<b>1.48</b>	<b>1.43</b>	<b>1.41</b>	<b>1.37</b>	<b>1.33</b>	<b>1.38</b>	<b>1.32</b>	<b>1.27</b>	<b>1.22</b>	<b>1.23</b>	<b>1.26</b>	<b>1.25</b>	<b>1.24</b>	<b>1.24</b>	<b>1.26</b>	<b>1.24</b>
Egypt	0.63	0.62	0.61	0.59	0.57	0.60	0.56	0.56	0.55	0.54	0.55	0.52	0.50	0.47	0.45	0.42
Sudan	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04
Others	0.78	0.75	0.71	0.70	0.73	0.70	0.70	0.65	0.61	0.63	0.65	0.66	0.69	0.72	0.76	0.77
<b>Total Non-OECD</b>	<b>31.95</b>	<b>32.31</b>	<b>29.98</b>	<b>29.70</b>	<b>29.89</b>	<b>30.46</b>	<b>30.34</b>	<b>30.75</b>	<b>30.75</b>	<b>30.72</b>	<b>30.64</b>	<b>31.52</b>	<b>31.97</b>	<b>31.98</b>	<b>32.07</b>	<b>32.13</b>
Processing Gains <sup>4</sup>	2.35	2.26	1.98	2.10	2.13	2.12	2.11	2.20	2.30	2.29	2.22	2.38	2.41	2.44	2.46	2.49
Global Biofuels	2.78	2.20	2.49	3.06	2.58	2.58	2.32	2.93	3.21	2.86	2.83	3.03	3.14	3.23	3.28	3.30
<b>TOTAL NON-OPEC<sup>2</sup></b>	<b>65.60</b>	<b>66.65</b>	<b>61.33</b>	<b>61.92</b>	<b>62.35</b>	<b>63.06</b>	<b>62.52</b>	<b>63.94</b>	<b>64.54</b>	<b>64.56</b>	<b>63.90</b>	<b>65.96</b>	<b>67.07</b>	<b>67.52</b>	<b>67.70</b>	<b>67.64</b>
<b>TOTAL SUPPLY</b>	<b>100.50</b>	<b>100.23</b>	<b>92.09</b>	<b>91.09</b>	<b>92.37</b>	<b>93.93</b>										

<sup>1</sup> Includes condensates and oil from non-conventional sources.<sup>2</sup> Total OPEC comprises all countries which are currently OPEC members.<sup>3</sup> Comprises crude oil

**Table 3a. Selected upstream project start-ups**

**Table 3a  
SELECTED UPSTREAM PROJECT START-UPS**

Country	Project	Peak Capacity (kbd)	Start Year	Country	Project	Peak Capacity (kbd)	Start Year
<b>NON-OPEC</b>							
<b>OECD Americas</b>							
USA	Atlantis North	40	2020	China	Luda 05-2N (Bo) 2	20	2021
USA	Thunder Horse South ph 2	50	2021	China	Mahu	20	2021
USA	Mad Dog ph 2	120	2022	China	Penglai 9-1/15-2	90	2022
USA	Vito	100	2021	China	Caoheidian 06-4	30	2023
USA	Kings Quay	80	2022	China	Liuhua 21-2	20	2023
USA	Anchor	75	2024	China	Qinhuangdao 29-2/29-2E	50	2023
Mexico	Hokchi	35	2021	China	Shidong 1	20	2024
Mexico	Ixachi	80	2021	China	Laxi	20	2024
Mexico	Amoca	55	2021	India	Jinhuazhen	30	2025
Mexico	Tecoalli	10	2024	Vietnam	KG-DWN-98/2	50	2023
Mexico	Zama	150	2024	Vietnam	Lac Da Vang	55	2024
<b>FSU</b>							
<b>OECD Europe</b>							
Italy	Tempa Rossa	50	2020	Russia	Rospan	100	2020
Norway	Njord/Bauge	30	2021	Russia	Lodochnoe	40	2021
Norway	Yme Redevelopment	35	2021	Russia	Chonsky	50	2025
Norway	Martin Linge	40	2021	Azerbaijan	Azeri Central East (ACE)	100	2023
Norway	Snorre Expansion Project	80	2020	Kazakhstan	Tengizchevroil FGP	260	2022
Norway	Ærfugl ph 1 & ph 2	35	2020	<b>Latin America</b>			
Norway	Fenja	25	2022	Brazil	Atapu (P-70)	150	2020
Norway	Johan Sverdrup ph 2	220	2022	Brazil	Sepia	180	2021
Norway	Johan Castberg	170	2023	Brazil	Mero 1 (Guanabara)	180	2021
Norway	Balder X	50	2022	Brazil	Buzios 5 (Almirante Barroso)	150	2026
UK	Seagull	50	2023	Brazil	Marlim redevelopment (Module 1)	80	2023
UK	Penguin	45	2022	Brazil	Parque das Baleias	100	2024
<b>Africa</b>							
Ghana	Mahogany-Teak-Akasa (MTAB)	30	2023	Brazil	Mero 2 (Sepetiba)	180	2023
Senegal	Sangomar ph 1 (SNE)	100	2024	Brazil	Marlim redevelopment (Module 2)	70	2023
Mauritania	Greater Tortue Ahmeyim FLNG	10	2022	Brazil	Itapu	120	2023
Mozambique	Inhassaro	10	2023	Brazil	Mero 3	180	2024
Mozambique	Coral FLNG	10	2024	Brazil	Mero 4	180	2025
<b>Asia</b>							
China	Liuhua16-2/20-2/23-1	35	2020	<b>Middle East</b>			
China	Shunbei	25	2020	Oman	Ghazeer	50	2020
China	Luda 21-2/16-3	30	2020	Qatar	North Field Expansion	100	2025
<b>OPEC</b>							
Angola	Kaomba (Phase 2)	115	2019	Saudi	Marjan Expansion	300	2025
Angola	Agogo (Phase 1)	20	2020	Saudi	Berri Expansion	250	2024
Angola	Zinia 2, Clov 2, Dalia 3	110	2021-22	Iran	South Pars 22-24 (condensate)	75	2019
Kuwait	Ratqa	270	2020	Iraq (KRG)	Sarta	20	2020
Neutral Zone	Khafji (restart)	260	2020	UAE	Nasr (Phase 2)	40	2019
Neutral Zone	Wafra (restart)	240	2020	UAE	Halibta	40	2019
Nigeria	Egina	200	2019	UAE	Bab Expansion	30	2020
Nigeria	Anyala	60	2020	UAE	Upper Zakum (Phase 2)	1000	2022

**Table 3b. Non-OPEC supply – Oil Market report and WEO definitions**

**Table 3b**  
**NON-OPEC SUPPLY - OIL MARKET REPORT AND WEO DEFINITIONS**  
(million barrels per day)

Calculation	2019	2020	2021	2022	2023	2024	2025	2026
<b>Medium Term Oil Market Report definitions</b>								
<b>NON-OPEC SUPPLY</b>	<b>65.6</b>	<b>63.1</b>	<b>63.9</b>	<b>66.0</b>	<b>67.1</b>	<b>67.5</b>	<b>67.7</b>	<b>67.6</b>
Processing gains	2.4	2.1	2.2	2.4	2.4	2.4	2.5	2.5
Global biofuels	2.8	2.6	2.8	3.0	3.1	3.2	3.3	3.3
<b>NON-OPEC PRODUCTION</b> (excl. processing gains and biofuels)	<b>1</b>	<b>60.5</b>	<b>58.4</b>	<b>58.8</b>	<b>60.6</b>	<b>61.5</b>	<b>61.9</b>	<b>62.0</b>
Crude	2	50.2	47.8	48.2	49.7	50.5	50.7	50.4
of which: Condensate	3	4.0	4.0	4.2	4.3	4.3	4.3	4.4
Tight oil	4	8.2	7.9	7.8	8.0	8.5	8.8	9.0
Un-upgraded bitumen	5	3.7	3.4	4.0	4.4	4.5	4.7	4.7
NGLs	6	8.3	8.6	8.6	8.8	9.0	9.1	9.3
Syncrude (Canada)	7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
CTL, GTL, kerogen oil and additives <sup>1</sup>	8	0.7	0.7	0.7	0.7	0.7	0.8	0.8
<b>World Energy Outlook definitions</b>								
<b>NON-OPEC PRODUCTION</b> (excl. processing gains and biofuels)	=1	60.5	58.4	58.8	60.6	61.5	61.9	62.0
<b>Conventional</b>		<b>46.6</b>	<b>45.0</b>	<b>45.0</b>	<b>46.1</b>	<b>46.5</b>	<b>46.2</b>	<b>46.1</b>
Crude oil	=2-3-4-5	34.3	32.5	32.2	33.0	33.3	32.9	32.6
Natural gas liquids (total)	=3+6	12.3	12.5	12.8	13.1	13.2	13.4	13.5
<b>Unconventional</b>		<b>13.8</b>	<b>13.3</b>	<b>13.8</b>	<b>14.5</b>	<b>15.0</b>	<b>15.6</b>	<b>15.9</b>
EHOB (incl. syncrude) <sup>2</sup>	=5+7	5.0	4.7	5.4	5.7	5.8	6.0	6.0
Tight oil	=4	8.2	7.9	7.8	8.0	8.5	8.8	9.0
CTL, GTL, kerogen oil and additives <sup>1</sup>	=8	0.7	0.7	0.7	0.7	0.7	0.8	0.8

1 CTL = coal to liquids; GTL = gas to liquids.

2 Extra-heavy oil and bitumen

**Table 4. World refinery capacity additions**

Table 4 WORLD REFINERY CAPACITY ADDITIONS							
	2020	2021	2022	2023	2024	2025	2026
	(thousand barrels per day)						
	2020	2021	2022	2023	2024	2025	Total
<b>Refining Capacity Additions and Expansions<sup>1</sup></b>							
OECD Americas	-338	-203	50	250	340		99
OECD Europe	-234	-242	-120				-596
OECD Asia Oceania		-466	-120	-109			-694
FSU		50	30		30		110
Non-OECD Europe	-44						-44
China	204	266	190	500	400		1,560
Other Asia	14	225	-60	446	100	630	290
Latin America			33	15			-36
Middle East	520	230	610	340	140	-20	60
Africa		10	650	30	150		100
<b>Total World</b>	<b>121</b>	<b>-129</b>	<b>1,263</b>	<b>1,472</b>	<b>760</b>	<b>1,010</b>	<b>414</b>
<b>Upgrading Capacity Additions<sup>2</sup></b>							
OECD Americas	-205	-308		32			-481
OECD Europe	-48	-75	-14	22	-1		-116
OECD Asia Oceania		-113		-36			-149
FSU	30	270	45	42	292	94	152
Non-OECD Europe	38			20			58
China	131	277	143	290			841
Other Asia	-8	160	80	264	66	35	182
Latin America			29				29
Middle East	253		100	275	108	45	781
Africa			10	240	25		70
<b>Total World</b>	<b>191</b>	<b>212</b>	<b>393</b>	<b>1,149</b>	<b>491</b>	<b>172</b>	<b>404</b>
<b>Desulphurisation Capacity Additions<sup>3</sup></b>							
OECD Americas	-293	-357					-650
OECD Europe	-64	-168		38			-194
OECD Asia Oceania	37	-315		-43			-321
FSU	156	35			70	130	391
Non-OECD Europe							
China	292	344	18	290			944
Other Asia	159	112		100	150	342	863
Latin America			64			-37	27
Middle East	547	180	658	430	113	54	1,982
Africa				210			210
<b>Total World</b>	<b>834</b>	<b>-169</b>	<b>740</b>	<b>987</b>	<b>371</b>	<b>184</b>	<b>306</b>

1 Comprises new refinery projects or expansions to existing facilities including condensate splitter additions. Assumes zero capacity creep.

2 Comprises gross capacity additions to coking, hydrocracking, residue hydrocracking, visbreaking, FCC or RFCC capacity.

3 Comprises additions to hydrotreating and hydrodesulphurisation capacity.

**Table 4a. World refinery capacity additions changes from oil 2020**

**Table 4a**  
**WORLD REFINERY CAPACITY ADDITIONS**  
**CHANGES FROM OIL 2020**  
(thousand barrels per day)

	2020	2021	2022	2023	2024	2025	Total
<b>Refining Capacity Additions and Expansions<sup>1</sup></b>							
OECD Americas	-318	-253		-35			-606
OECD Europe	-274	-242	-120				-636
OECD Asia Oceania		-351	-120	-109			-579
FSU		50	-70				-20
Non-OECD Europe							
China	-106	36	190	-300	-320	300	-200
Other Asia	-148	75	-180	-220	-60	630	97
Latin America				15			15
Middle East	-50	230	615		-615		180
Africa		10	-25	30	90	-100	5
<b>Total World</b>	<b>-896</b>	<b>-444</b>	<b>290</b>	<b>-619</b>	<b>-905</b>	<b>830</b>	<b>-1,744</b>
<b>Upgrading Capacity Additions<sup>2</sup></b>							
OECD Americas	-205	-308		-26			-539
OECD Europe	-48	-75	-65	2		-1	-187
OECD Asia Oceania		-86		-36		36	-86
FSU	-120	50			70	36	36
Non-OECD Europe							
China	-96	170	143	-140	-227	-50	-200
Other Asia	-22		-50	-18			-90
Latin America				100		-100	
Middle East							
Africa							
<b>Total World</b>	<b>-491</b>	<b>-248</b>	<b>128</b>	<b>-218</b>	<b>-257</b>	<b>21</b>	<b>-1,066</b>
<b>Desulphurisation Capacity Additions<sup>3</sup></b>							
OECD Americas	-310	-367					-677
OECD Europe	-64	-168					-232
OECD Asia Oceania		-226		-43		43	-226
FSU		15			70	50	135
Non-OECD Europe							
China	12	290	18	-210	-60	-80	-30
Other Asia	-78	-51		-26	-80		-235
Latin America							
Middle East	-60	60	658	93	-626	27	152
Africa				10			10
<b>Total World</b>	<b>-500</b>	<b>-447</b>	<b>676</b>	<b>-176</b>	<b>-696</b>	<b>40</b>	<b>-1,102</b>

1 Comprises new refinery projects or expansions to existing facilities including condensate splitter additions. Assumes zero capacity creep.

2 Comprises stand-alone additions to coking, hydrocracking or FCC capacity. Excludes upgrading additions counted under 'Refinery Capacity Additions and Expansions' category.

3 Comprises stand-alone additions to hydrotreating and hydrodesulphurisation capacity. Excludes desulphurisation additions counted under 'Refinery Capacity Additions and Expansions' category.

**Table 4b. Selected refinery crude distillation project list**

Table 4b SELECTED REFINERY CRUDE DISTILLATION PROJECT LIST							
Country	Project	Capacity (kbd)	Start Year	Country	Project	Capacity (kbd)	Start Year
<b>OECD Americas</b>							
United States	Delek - Krotz Springs	-80	2020	Russia	Il'sk Refinery - Krasnodarskiy Kray	50	2021
United States	Marathon - Martinez	-166	2020	<b>Africa</b>			
United States	Meridian Resources - Davis North Dakota	50	2021	Nigeria	Dangote Oil Refining Company - Lekki Free Trade Zone (Lagos)	650	2022
United States	PBF Energy - Paulsboro	-80	2021	Egypt	MIDOR - Alexandria	60	2024
United States	ConocoPhillips - Rodeo & Santa Maria	-145	2021	Congo	Beijing Fortune Dingsheng - Pointe Noire	50	2024
United States	Shell - Convent	-228	2021	Algeria	Sonatrach - Hassi Messoud	100	2026
Virgin Islands	Archlight Capital - St. Croix	200	2021	<b>Asia</b>			
United States	GCC - Galveston	50	2022	China	Sinopec - Zhanjiang	200	2020
United States	ExxonMobil - Beaumont	250	2023	China	Zhuhai Huafeng - Zhuhai	100	2020
Mexico	Petroleos Mexicanos - Dos Bocas	340	2024	China	Sinochem - Quanzhou	60	2020
<b>OECD Europe</b>				China	Binyang Fuel Chemical - Binzhou	-50	2020
Belgium	Gunvor - Antwerp	-88	2020	China	Yuhuang Shengshi - Heze	-60	2020
Netherlands	Gunvor - Rotterdam	-81	2020	India	HPCL - Mahul, Mumbai	60	2020
United Kingdom	INEOS - Grangemouth	-65	2020	Philippines	Shell - Tabangao	-93	2020
Finland	Neste - Naantali	-52	2021	China	Rongsheng Petrochemical - Zhoushan island phase 2	400	2021
France	Total - Grandpuits	-99	2021	India	HPCL - Visakhapatnam	150	2021
Portugal	Galp Energia - Leca da Palmeira, Porto	-91	2021	China	Shenghong Petchem - Lianyangang	320	2022
Italy	ENI - Livorno	-120	2022	China	Yongxin - Binzhou	-60	2022
<b>OECD Asia Oceania</b>				China	Hengyuan - Dezhou	-70	2022
New Zealand	New Zealand Refining Co. Ltd. - Marsden Point, Northland	-129	2021	Singapore	Shell - Pulau Bukom	-200	2022
Japan	JX Energy - Osaka	-115	2021	China	PetroChina - Jieyang	400	2023
Australia	Exxonmobil - Altona	-78	2021	China	Sinopec - Yangpu	100	2023
Australia	BP - Kwinana	-144	2021	India	Nagarjuna Oil Co - Cuddalore	120	2023
Japan	JX Energy - Negishi	-120	2022	India	Indian Oil - Koyali	100	2023
Australia	Caltex Australia - Lytton	-109	2023	India	Indian Oil - Barauni	60	2023
<b>Middle East</b>				Thailand	Thai Oil Co. - Siriracha	126	2023
Kuwait	Kuwait National Petroleum Co. - Mina Abdulla	200	2020	Indonesia	Pertamina - Balikpapan, Kalimantan	100	2024
Kuwait	Kuwait National Petroleum Co. - Mina al-Ahmadi	-115	2020	China	Yulong Petrochemical - Yantai	400	2025
Saudi Arabia	Saudi Aramco - Jizan	400	2020	Brunei	Zhejiang Hengyi Petrochemicals - Pulau Muara Besar	280	2025
Iraq	INOC-NOR - Baiji	70	2021	India	Indian Oil - Panipat	200	2025
Iraq	INOC-SOR - Basra	70	2021	Malaysia	ChemChina - Pengerang	150	2025
United Arab Emirates	ENOC - Jebel Ali	65	2021	Bangladesh	BPC - Chittagong	60	2026
Iran	National Iranian Oil Co. - Abadan	200	2022	India	HPCL - Barmer, Rajasthan	180	2026
Iran	National Iranian Oil Co. - Abadan	-235	2022	Indonesia	Pertamina - Cilacap, Central Java	50	2026
Kuwait	Kuwait National Petroleum Co. - Al-Zour	615	2022				
Bahrain	Bahrain Petroleum Co. - Sitra	355	2023				
Bahrain	Bahrain Petroleum Co. - Sitra	-265	2023				
Oman	Oman Refinery Co. - Duqm	230	2023				
Iraq	INOC-ORA - Karbala	140	2024				
United Arab Emirates	ADNOC - Umm-al-Nar	-85	2025				
Iran	National Iranian Oil Co. - Siraf (Assaluyeh)	60	2026				

Note: Only includes refinery capacity changes (additions or closures) above 50 kbd.

**Table 5. World ethanol production**

Table 5 WORLD ETHANOL PRODUCTION <sup>1</sup>								
	(thousand barrels per day)							
	2019	2020	2021	2022	2023	2024	2025	2026
<b>OECD North America</b>	<b>1,060</b>	<b>932</b>	<b>1,036</b>	<b>989</b>	<b>990</b>	<b>992</b>	<b>992</b>	<b>992</b>
United States	1,029	902	1,005	950	950	950	950	950
Canada	30	30	30	35	36	37	37	37
<b>OECD Europe</b>	<b>97</b>	<b>88</b>	<b>99</b>	<b>97</b>	<b>96</b>	<b>96</b>	<b>96</b>	<b>96</b>
Austria	4	4	4	4	4	4	4	4
Belgium	7	9	9	7	7	7	7	7
France	20	16	17	17	17	17	17	17
Germany	12	11	12	14	14	14	14	14
Italy	0	1	0	0	0	0	0	0
Netherlands	10	10	10	10	8	7	7	7
Poland	4	4	5	5	5	5	5	5
Spain	9	8	9	8	8	8	8	8
UK	5	4	11	11	11	11	11	11
<b>OECD Pacific</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
Australia	4	3	3	5	5	5	5	5
<b>Total OECD</b>	<b>1,163</b>	<b>1,025</b>	<b>1,140</b>	<b>1,092</b>	<b>1,092</b>	<b>1,094</b>	<b>1,094</b>	<b>1,093</b>
FSU	4	4	4	4	4	4	4	4
Non-OECD Europe	0	0	0	2	2	2	2	2
China	67	69	98	114	136	146	155	155
<b>Other Asia</b>	<b>68</b>	<b>63</b>	<b>77</b>	<b>100</b>	<b>109</b>	<b>119</b>	<b>128</b>	<b>132</b>
India	33	31	40	49	55	63	69	73
Indonesia	0	0	1	1	1	1	3	3
Malaysia	0	0	0	0	0	0	0	0
Philippines	5	5	5	7	7	8	8	8
Singapore	1	1	1	1	1	1	1	1
Thailand	28	25	28	38	40	41	43	43
<b>Latin America</b>	<b>667</b>	<b>604</b>	<b>607</b>	<b>661</b>	<b>669</b>	<b>693</b>	<b>707</b>	<b>709</b>
Argentina	19	15	18	21	22	23	23	23
Brazil	621	560	570	613	620	642	657	657
Colombia	9	6	6	9	9	9	9	9
Middle East	1	1	1	1	1	1	1	0
Africa	7	6	7	12	12	12	12	12
<b>Total Non-OECD</b>	<b>815</b>	<b>747</b>	<b>795</b>	<b>893</b>	<b>932</b>	<b>976</b>	<b>1,009</b>	<b>1,013</b>
<b>Total World</b>	<b>1,978</b>	<b>1,772</b>	<b>1,935</b>	<b>1,985</b>	<b>2,024</b>	<b>2,070</b>	<b>2,102</b>	<b>2,107</b>

<sup>1</sup> Volumetric production; to convert to energy adjusted production, ethanol is assumed to have 2/3 energy content of conventional gasoline.

**Table 5a. World biodiesel production**

Table 5a WORLD BIODIESEL PRODUCTION								
	(thousand barrels per day)							
	2019	2020	2021	2022	2023	2024	2025	2026
<b>OECD North America</b>	<b>119</b>	<b>147</b>	<b>159</b>	<b>259</b>	<b>272</b>	<b>300</b>	<b>313</b>	<b>318</b>
United States	113	141	151	250	263	291	305	309
Canada	7	6	7	9	9	9	9	9
<b>OECD Europe</b>	<b>281</b>	<b>262</b>	<b>290</b>	<b>305</b>	<b>306</b>	<b>315</b>	<b>315</b>	<b>317</b>
Austria	6	6	6	5	5	5	5	5
Belgium	5	4	5	6	6	6	6	6
France	42	41	43	53	53	53	53	53
Germany	66	60	66	62	60	59	57	57
Italy	18	28	31	32	32	32	32	32
Netherlands	37	37	26	32	34	35	36	35
Poland	19	18	18	18	18	17	15	15
Spain	38	34	39	40	41	44	44	44
UK	9	9	9	12	12	11	11	11
<b>OECD Pacific</b>	<b>15</b>	<b>20</b>	<b>23</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>
Australia	2	3	4	4	4	4	4	4
<b>Total OECD</b>	<b>415</b>	<b>428</b>	<b>472</b>	<b>583</b>	<b>597</b>	<b>635</b>	<b>648</b>	<b>655</b>
FSU	4	4	4	4	4	4	4	4
Non-OECD Europe	6	6	6	5	5	4	7	7
China	14	14	16	18	22	26	26	26
<b>Other Asia</b>	<b>195</b>	<b>209</b>	<b>224</b>	<b>257</b>	<b>304</b>	<b>309</b>	<b>310</b>	<b>310</b>
India	3	2	3	4	4	4	4	4
Indonesia	124	137	139	159	182	186	187	187
Malaysia	16	22	27	33	34	35	35	35
Philippines	3	3	3	4	4	4	4	4
Singapore	19	14	15	18	41	41	41	41
Thailand	31	32	37	38	39	39	39	39
<b>Latin America</b>	<b>160</b>	<b>145</b>	<b>168</b>	<b>172</b>	<b>172</b>	<b>176</b>	<b>178</b>	<b>178</b>
Argentina	42	27	36	42	40	40	40	40
Brazil	102	95	116	114	114	117	120	120
Colombia	11	9	10	10	12	12	12	12
Middle East	1	1	1	1	1	1	1	1
Africa	4	3	5	5	6	6	6	6
<b>Total Non-OECD</b>	<b>385</b>	<b>383</b>	<b>424</b>	<b>462</b>	<b>513</b>	<b>525</b>	<b>531</b>	<b>531</b>
<b>Total World</b>	<b>800</b>	<b>811</b>	<b>896</b>	<b>1,045</b>	<b>1,111</b>	<b>1,159</b>	<b>1,179</b>	<b>1,186</b>

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