

6. Additional financial and legal information

Additional financial information	118
Reserves information	125
Additional legal information	126
Forecasts and forward-looking statements	139
Terms and abbreviations	140
Glossary	142





▲ Unayzah reservoir,
Ghawar oil field, Saudi Arabia

Investing in technology solutions

Aramco seeks to use innovative technology to grow its business sustainably.

During 2022, Aramco established a SAR 5.6 billion (\$1.5 billion) Sustainability Fund to invest in technology needed to support a stable and inclusive energy transition.

The fund will target investments globally, and initial focus areas will include carbon capture, utilization, and storage, greenhouse gas emissions, energy efficiency, and digital sustainability.

aramco

Additional financial information

Historical financial highlights

Summarized consolidated statement of income

All amounts in millions SAR unless otherwise stated	Year ended December 31				
	2022	2021	2020	2019	2018 ¹
Revenue	2,006,955	1,346,930	768,109	1,105,696	1,194,376
Other income related to sales ²	259,418	154,828	93,982	131,089	152,641
Revenue and other income related to sales	2,266,373	1,501,758	862,091	1,236,785	1,347,017
Operating costs ³	(1,122,296)	(729,840)	(478,731)	(561,914)	(548,612)
Operating income	1,144,077	771,918	383,360	674,871	798,405
Income before income taxes and zakat	1,152,962	769,521	372,424	666,741	797,896
Income taxes and zakat ⁴	(548,957)	(357,125)	(188,661)	(336,048)	(381,378)
Net income	604,005	412,396	183,763	330,693	416,518

- In the preparation of each of its financial statements Aramco reclassified certain comparative amounts, at that time, to conform to the current year presentation. Such reclassifications did not impact the previously reported net income. The financial information above presents the reclassified results extracted from the comparative column of the relevant financial statements.
- Aramco sells certain hydrocarbons within the Kingdom at regulated prices mandated by the Government. The Government implemented an equalization mechanism to compensate the Company for revenues directly forgone as a result of its compliance with the Government mandates related to crude oil and certain refined products. Effective September 17, 2019, the Government implemented an equalization mechanism related to Regulated Gas Products. Effective January 1, 2020, the Government expanded the equalization mechanism to include LPGs and certain other products.
- Effective January 1, 2020, the royalty rate applicable to Aramco on crude oil and condensate production was amended, such that: (i) the royalty rate was reduced to 15% (from 20%) on Brent prices up to \$70 per barrel; (ii) the marginal royalty rate increased to 45% (from 40%) on Brent prices above \$70 per barrel up to \$100 per barrel; and (iii) the marginal royalty rate increased to 80% (from 50%) on Brent prices above \$100 per barrel.
- The income tax rate applicable to Aramco was 50%, except that: (i) effective from January 1, 2018, a 20% tax rate applies to the Company's taxable income related to certain natural gas activities; and (ii) effective January 1, 2020, the tax rate applicable to the Company's downstream activities is the general corporate tax rate of 20% that applies to all similar domestic downstream companies under the Income Tax Law on the condition that the Company separate its Downstream activities under the control of one or more separate wholly-owned subsidiaries before December 31, 2024, otherwise the Company's Downstream activities will be retroactively taxed at 50%.

Summarized consolidated balance sheet

All amounts in millions SAR unless otherwise stated	As at December 31				
	2022	2021	2020	2019 ²	2018 ¹
Total assets	2,492,924	2,162,690	1,914,261	1,494,126	1,346,892
Total liabilities	826,777	882,022	813,167	447,891	318,457
Net assets (total equity)	1,666,147	1,280,668	1,101,094	1,046,235	1,028,435

- In the preparation of each of its financial statements Aramco reclassified certain comparative amounts, at that time, to conform to the current year presentation. The financial information above presents the reclassified results extracted from the comparative column of the relevant financial statements.
- Aramco adopted IFRS 16 on January 1, 2019, using a modified retrospective approach. As a result, in the preparation of the 2019 financial statements, Aramco applied prospectively, starting January 1, 2019, the new classification and measurement models for lease contracts and consequently 2018 and prior period comparative information was not restated.

Summarized consolidated statement of cash flows

All amounts in millions SAR unless otherwise stated	Year ended December 31				
	2022	2021	2020	2019	2018
Net cash provided by operating activities	698,152	522,601	285,297	416,529	453,701
Net cash used in investing activities	(389,009)	(135,741)	(20,899)	(177,144)	(131,205)
Net cash used in financing activities	(382,675)	(294,513)	(234,872)	(244,831)	(220,586)

Statutory amounts paid and payable

Statutory amounts paid¹

All amounts in millions SAR unless otherwise stated	Reasons for amounts paid	Year ended December 31, 2022
Income taxes and zakat	Income taxes and zakat calculated in accordance with Saudi Income Tax Regulations. See Note 8 of the consolidated financial statements	232,661
Royalties	Production royalties determined in accordance with Government agreements	349,270
Total		581,931

Statutory amounts payable¹

All amounts in millions SAR unless otherwise stated	Reasons for amounts payable	As at December 31, 2022
Income taxes and zakat	Government obligation, payable on a monthly basis	97,247
Royalties	Government obligation, payable on a monthly basis	16,119
Total		113,366

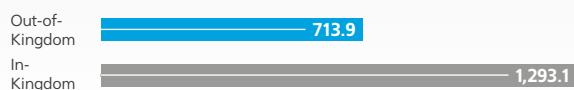
1. Statutory amounts paid and payable are in respect of the Company.

Geographical analysis of Aramco's external revenue

Sales to external customers by region are based on the location of the Aramco entity which made the sale. Out-of-Kingdom revenue includes sales of SAR 223,731 million originating from the United States of America (2021: SAR 148,488 million). For more details, refer to Section 7: Consolidated financial statements – Note 4.

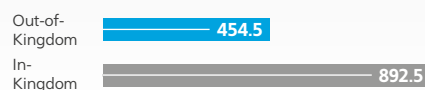
2022

(Billions SAR)



2021

(Billions SAR)



Additional financial information continued

Related party transactions

As part of its normal course of business, Aramco enters into various related party contracts and transactions. These principally include sales and purchases, and providing and receiving services. Aramco sells hydrocarbon products and provides services to, and receives services from, Government, semi-Government entities and other entities in which the Government has ownership or control. These transactions are made on specific terms within the relevant regulatory framework in the Kingdom.

Other than with respect to compensation arrangements, as at the date of this Annual Report there are no related party transactions in which any of the Company's Directors or Senior Executives or an immediate family member thereof had or will have a direct or indirect material interest or were not entered into on an arm's length basis. For compensation related transactions with the Company's Directors and Senior Executives, see Section 5: Corporate governance.

The table below sets forth the transactions during the year ended December 31, 2022, identified by Aramco as material related party transactions based on available information. For more information on Aramco's related party transactions, see Section 7: Consolidated financial statements — Note 29.

All amounts in millions SAR unless otherwise stated	Year ended December 31, 2022
Joint ventures:	
Revenue from sales	28,155
Other revenue	30
Interest income	161
Purchases	30,574
Service expenses	8
Associates:	
Revenue from sales	77,048
Other revenue	165
Interest income	113
Purchases	72,503
Service expenses	158
Government, semi-Government and other entities with Government ownership or control:	
Revenue from sales	23,351
Other income related to sales	259,418
Other revenue	1,061
Purchases	12,761
Service expenses	409
Lease expenses	791

The following table sets forth Aramco's material related party transaction balances as at December 31, 2022.

All amounts in millions SAR unless otherwise stated	As at December 31, 2022
Joint ventures:	
Other assets and receivables	5,363
Trade receivables	5,096
Interest receivable	371
Trade and other payables	7,060
Associates:	
Other assets and receivables	1,519
Trade receivables	13,410
Trade and other payables	6,278
Borrowings	15
Government, semi-Government and other entities with Government ownership or control:	
Other assets and receivables	510
Trade receivables	3,874
Due from the Government	54,545
Trade and other payables	2,093
Borrowings	128,026

The following table sets forth material related party transactions and balances for the year ended, and as at, December 31, 2022, by related party.

	December 31, 2022
All amounts in millions SAR unless otherwise stated	
Transactions with joint ventures:	
Revenue from sales	
Eastern Petrochemical Company ("Sharq")	8,441
Sadara Chemical Company ("Sadara")	6,053
Al-Jubail Petrochemical Company ("Kemya")	3,960
Saudi Yanbu Petrochemical Company ("Yanpet")	3,525
First Coast Energy LLP ("FCE")	2,801
Tas'helat Marketing Company ("TMC")	2,063
Others	1,312
	28,155
Other revenue	
Others	30
	30
Interest income	
Others	161
	161
Purchases	
Eastern Petrochemical Company ("Sharq")	9,555
Sadara Chemical Company ("Sadara")	5,745
Al-Jubail Petrochemical Company ("Kemya")	4,770
Saudi Yanbu Petrochemical Company ("Yanpet")	4,542
SINOPEC SABIC Tianjin Petochemical Co	3,821
Others	2,141
	30,574
Service expenses	
Others	8
	8
Other assets and receivables	
Sadara Chemical Company ("Sadara")	3,188
Eastern Petrochemical Company ("Sharq")	2,051
Others	124
	5,363
Trade receivables	
Sadara Chemical Company ("Sadara")	1,669
Al-Jubail Petrochemical Company ("Kemya")	1,185
Eastern Petrochemical Company ("Sharq")	1,181
Others	1,061
	5,096
Interest receivable	
Others	371
	371
Trade and other payables	
Eastern Petrochemical Company ("Sharq")	2,636
Sadara Chemical Company ("Sadara")	1,688
Saudi Yanbu Petrochemical Company ("Yanpet")	1,320
Al-Jubail Petrochemical Company ("Kemya")	1,253
Others	163
	7,060

Additional financial information continued

All amounts in millions SAR unless otherwise stated	December 31, 2022
Transactions with associates:	
Revenue from sales	
Rabigh Refining and Petrochemical Company ("Petro Rabigh")	46,193
Hyundai Oilbank Co. Ltd. ("Hyundai Oilbank")	28,796
Power and Water Utility Company for Jubail and Yanbu ("Marafiq")	1,414
Others	645
	77,048
Other revenue	
Others	165
	165
Interest income	
Others	113
	113
Purchases	
Rabigh Refining and Petrochemical Company ("Petro Rabigh")	45,889
Hyundai Oilbank Co. Ltd. ("Hyundai Oilbank")	17,880
National Shipping Company of Saudi Arabia ("Bahri")	2,453
Power and Water Utility Company for Jubail and Yanbu ("Marafiq")	2,213
Ma'aden Wa'ad Al-Shamal Phosphate Company ("MWSPC")	1,939
Fujian Refining and Petrochemical Company Limited ("FREPCO")	1,268
Others	861
	72,503
Service expenses	
Others	158
	158
Other assets and receivables	
Rabigh Refining and Petrochemical Company ("Petro Rabigh")	1,508
Others	11
	1,519
Trade receivables	
Rabigh Refining and Petrochemical Company ("Petro Rabigh")	11,205
Hyundai Oilbank Co. Ltd. ("Hyundai Oilbank")	1,751
Others	454
	13,410
Trade and other payables	
Rabigh Refining and Petrochemical Company ("Petro Rabigh")	4,575
National Shipping Company of Saudi Arabia ("Bahri")	1,069
Others	634
	6,278
Borrowings	
Others	15
	15

All amounts in millions SAR unless otherwise stated

December
31, 2022

Transactions with Government, semi-Government and other entities with Government ownership or control:

Revenue from sales

Government or semi-Government	1,931
Saudi Arabian Airlines ("Saudia")	5,678
Saudi Power Procurement Company ("SPPC")	5,499
Saudi Electricity Company ("SEC")	4,680
Saline Water Conversion Company ("SWCC")	2,355
Saudi Arabian Mining Company ("Ma'aden")	2,269
Others	939
	23,351

Other income related to sales

Government and semi-Government	259,418
	259,418

Other revenue

Government and semi-Government	664
Others	397
	1,061

Purchases

Government and semi-Government	2,419
Saudi Electricity Company ("SEC")	3,818
Saudi Arabian Mining Company ("Ma'aden")	2,220
Arabian Drilling Company	1,924
Jubail Energy Services Company ("JESCO")	1,414
Others	966
	12,761

Service expenses

Government and semi-Government	386
Others	23
	409

Lease Expenses

Government and semi-Government	15
Others	776
	791

Other assets and receivables

Others	510
	510

Trade receivables

Government and semi-Government	1,260
Saudi Power Procurement Company ("SPPC")	1,249
Others	1,365
	3,874

1. ARAMCO OVERVIEW
AND STRATEGY

2. RESULTS AND
PERFORMANCE

3. SUSTAINABILITY

4. RISK

5. CORPORATE
GOVERNANCE

6. ADDITIONAL FINANCIAL
AND LEGAL INFORMATION

7. CONSOLIDATED
FINANCIAL STATEMENTS

Additional financial information continued

All amounts in millions SAR unless otherwise stated		December 31, 2022
Due from the Government		
Government and semi-Government		54,545
		54,545
Trade and other payables		
Government and semi-Government		1,331
Others		762
		2,093
Borrowings		
Government and semi-Government		127,092
Others		934
		128,026

Total indebtedness of Aramco

Information on Aramco's total indebtedness as at December 31, 2022, is as follows:

All amounts in millions SAR unless otherwise stated	Total facility ¹	Loan duration	Repaid during the year	Balance as at December 31, 2022	Maturity date
Bank borrowings	25,423	1 to 24 years	(9,745)	23,164	2023-2045
Sukuk (Shari'a compliant)	34,581	3 to 14 years	(264)	34,581	2024-2031
Export credit agencies	2,239	15 years	(974)	2,239	2025
Public Investment Fund	1,185	15 years	(643)	1,185	2025
Saudi Industrial Development Fund (Shari'a compliant)	3,784	11 to 17 years	(885)	3,736	2025-2035
Ijarah / Procurement (Shari'a compliant)	3,304	5 to 23 years	(614)	2,701	2026-2039
Murabaha (Shari'a compliant)	28,173	7 to 24 years	(4,203)	18,293	2028-2032
Wakala (Shari'a compliant) and other Islamic financing	1,294	7 to 16 years	(43)	1,023	2028-2036
Revolving Credit Facilities	47,708	1 to 5 years	(5,370)	–	2023-2027
Short-term borrowings	27,000	Under 1 year	(1,779)	10,205	2023
Debentures	97,212	3 to 50 years	(6,551)	97,212	2023-2070
Deferred consideration ²	122,163	8 years	(100,520)	122,163	2028
Lease Liabilities	–	–	(12,114)	52,664	Not defined
Other financing arrangements	23,978	11 to 25 years	(923)	23,978	2028-2046
	418,044		(144,628)	393,144	

1. Includes total facility amounts and carrying amounts for certain long-term loans being repaid in installments.

2. On March 7, 2023, the Company signed an agreement with PIF to make a third partial prepayment of \$15.7 billion on or before March 15, 2023, which will fully or partially reduce the outstanding amounts of the promissory notes payable between 2024 and 2028. Accordingly, the remaining amount of the deferred consideration will mature in 2026.

Reserves information

Reserves as at December 31, 2022

As at December 31, 2022, the Kingdom's reserves in the fields Aramco operates consisted of 338.4 billion boe (2021: 337.3 billion boe), including 261.6 billion barrels (2021: 261.6 billion barrels) of crude oil and condensate, 36.1 billion barrels (2021: 36.0 billion barrels) of NGL and 246.7 tscf (2021: 241.5 tscf) of natural gas, including 156.9 tscf (2021: 153.7 tscf) of nonassociated gas.

Under the Original Concession, which was in effect until December 24, 2017, Aramco's rights with respect to hydrocarbons in the Kingdom were not limited to a particular term. Accordingly, until such date, the Kingdom's reserves in the fields Aramco operated were the same as Aramco's reserves. Effective December 24, 2017, the Concession limited Aramco's exclusive right to explore, develop and produce the Kingdom's hydrocarbon resources, except in the Excluded Areas, to an initial period of 40 years, which will be extended by the Government for 20 years provided Aramco satisfies certain conditions commensurate with current operating practices. In addition, the Concession may be extended for an additional 40 years beyond the prior 60-year period subject to Aramco and the Government agreeing on the terms of the extension (see Section 6: Additional legal information — the Concession). The provision of a specified term in the Concession impacts the calculation of Aramco's reserves as compared to the Kingdom's reserves in the fields Aramco operates. The Concession also requires Aramco to meet domestic demand for certain hydrocarbons, petroleum products and LPGs through domestic production or imports.

Based on the initial 40-year period and 20-year extension of the Concession, as at December 31, 2022, Aramco's reserves were 258.8 billion boe (2021: 253.6 billion boe). Aramco's oil equivalent reserves consisted of 200.8 billion barrels (2021: 196.9 billion barrels) of crude oil and condensate, 25.2 billion barrels (2021: 25.2 billion barrels) of NGL and 201.9 tscf (2021: 194.5 tscf) of natural gas. As at December 31, 2022, Aramco's portfolio included 535 (2021: 530) reservoirs within 142 (2021: 142) fields distributed throughout the Kingdom and its territorial waters.

Aramco manages the Kingdom's unique reserves and resources base to optimize production and maximize long-term value pursuant to the Hydrocarbons Law, which mandates that Aramco's hydrocarbon operations promote long-term productivity of the Kingdom's reservoirs and support the prudent stewardship of its hydrocarbon resources. Aramco has historically replaced reserves on an organic basis through revisions of reserve estimates at existing fields and through delineation and exploration to identify new fields. As a result, the Kingdom's estimated proved reserves at the largest oil fields operated by Aramco have increased since the time of original production.

The following table sets forth Aramco's estimates of its proved reserves based on the term of the Concession as at December 31, 2022 and 2021.

	Crude Oil (mmbbl)	Condensate (mmbbl)	Natural Gas		NGL (mmbbl)	Combined (mmbbl)
			(bscf)	(mmboe)		
Reserves as at December 31, 2022	197,410	3,393	201,905	32,826	25,153	258,782
Reserves as at December 31, 2021	193,195	3,676	194,453	31,549	25,188	253,608

The following table sets forth the Kingdom's estimates of its proved reserves in the fields Aramco operates as at December 31, 2022 and 2021.

	Crude Oil (mmbbl)	Condensate (mmbbl)	Natural Gas		NGL (mmbbl)	Combined (mmbbl)
			(bscf)	(mmboe)		
Reserves as at December 31, 2022	257,143	4,480	246,738	40,665	36,146	338,434
Reserves as at December 31, 2021	256,826	4,766	241,529	39,783	35,956	337,331

Aramco's reserve estimates conform to the SPE-PRMS definitions and guidelines, which is the internationally recognized industry standard sponsored by the Society of Petroleum Engineers, the American Association of Petroleum Geologists, the World Petroleum Council, the Society of Petroleum Evaluation Engineers, the Society of Exploration Geophysicists, the Society of Petrophysicists and Well Log Analysts and the European Association of Geoscientists and Engineers. To estimate or update Aramco's reserve estimates, the Upstream segment employees responsible for reserves calculations perform technical analyses that are reviewed internally by progressively higher levels of management until finalized at year-end. Aramco annually updates its estimates as it acquires and interprets new data. For reservoirs that have been producing and have established certain performance trends, Aramco is typically able to reliably forecast the reservoir's future production. For reservoirs that have little to no production history and new discoveries, Aramco undertakes further analysis in addition to multidisciplinary evaluation to formulate production forecasts.

Additional legal information

Aramco

The Company was established in the Kingdom as a company with limited liability by virtue of Royal Decree No. M/8 dated 4/4/1409H (corresponding to November 13, 1988) to assume the privileges and rights of the Arabian American Oil Company. On January 1, 2018, the Company was converted into a Saudi joint stock company pursuant to Council of Ministers Resolution No. 180 dated 1/4/1439H (corresponding to December 19, 2017) and registered in the city of Dhahran under commercial registration No. 2052101150 dated 11/07/1439H (corresponding to March 28, 2018) with Saudi Arabian Oil Company as its official name. Its registered head office is located at P.O. Box 5000, Dhahran 31311, Kingdom of Saudi Arabia. Its share capital is seventy five billion Saudi Riyals (SAR 75,000,000,000), consisting of two hundred and twenty billion (220,000,000,000) fully paid ordinary shares with no par value. Aramco's primary operating segments are Upstream and Downstream, which are supported by corporate activities (for further details refer to Section 2: Results and performance).

On December 11, 2019, the Company completed its IPO and its ordinary shares were listed on Saudi Exchange (The Exchange). In connection with the IPO, the Government, being the sole owner of the Company's shares at such time, sold 3.45 billion ordinary shares, or 1.73% of the Company's share capital. In addition, concurrent with the IPO, the Company acquired 117.2 million of its ordinary shares from the Government for a cash payment of SAR 3,750 million which are being classified as treasury shares. These shares are for use by the Company for its employee share plans. On February 13, 2022, the Government announced the transfer of 4% of the Company's total share capital to the Public Investment Fund (PIF). Therefore, the current ownership of the Government in the Company is 94.19%.

In May 2022, the Extraordinary General Assembly approved the granting and distribution of one bonus share for every ten shares held by the shareholders. This resulted in an increase of issued ordinary shares from 200 billion to 220 billion and the share capital of the Company from SAR 60.0 billion to SAR 75.0 billion.

Material agreements

Aramco has entered into a number of agreements for the purposes of its business. The following is a summary of those agreements that Aramco considers material to its business. Aramco believes that all such agreements, in addition to the key provisions thereunder, have been included in this section and that there are no other agreements that are material in the context of its business. These summaries do not purport to describe all the applicable terms and conditions of such agreements and are qualified in their entirety by the respective agreements.

The Concession

Background

The Arabian American Oil Company Concession Agreement was ratified on 4/2/1352H (corresponding to May 29, 1933) and granted Arabian American Oil Company certain exclusive rights, including the right to explore, drill, recover and treat crude oil and other hydrocarbons located within certain areas of the Kingdom (which were revised and grew over time), with limited territorial exceptions. Pursuant to Royal Decree No. M/8 dated 4/4/1409H (corresponding to November 13, 1988) approving Aramco's original articles, Aramco enjoyed all the privileges and rights provided under the Arabian American Oil Company Concession Agreement, and all subsequent supplementary documents, agreements, Governmental orders and decisions in connection therewith (collectively, the "Original Concession"). Effective 6/4/1439H (corresponding to December 24, 2017), and in accordance with the Hydrocarbons Law, the Government, represented by the Minister of MEIM (predecessor to the Minister of Energy), and Aramco entered into the revised Concession Agreement (the "Concession"), which was adopted under Royal Decree No. (M/38) dated 6/4/1439H (corresponding to December 24, 2017) and replaced and superseded in its entirety the Original Concession on such date (the "Concession Effective Date"). Further, on 20/1/1441H (corresponding to September 19, 2019), and in accordance with the Hydrocarbons Law, the Government, represented by the Minister of Energy, and Aramco entered into an amendment to the Concession, with effect from January 1, 2020) (the "Concession Amendment").

Grant of rights

The Government grants Aramco the following rights to be exercised at Aramco's own risk during the term of the Concession:

- The exclusive right to explore, prospect, drill, appraise, develop, extract, recover and produce hydrocarbons in the Concession Area;
- The non-exclusive right to manufacture, refine, treat, market, sell, transport and export hydrocarbons and their derivatives extracted, recovered, developed, produced, treated, refined, consumed, transported, manufactured, marketed, sold, exported or dealt with in any other way by Aramco or on its behalf pursuant to the rights granted to Aramco in the Concession;
- The exclusive right to market and distribute hydrocarbons, petroleum products and LPG in the Kingdom, with Aramco's commitment to meeting all the domestic market's needs for such products based on the consumption requirements thereof through domestic production or imports in accordance with laws issued by the Government;
- The right to build, own and operate relevant facilities and assets as may be necessary or desirable to perform Aramco's operations within the Reserved Areas;
- Certain rights related to lands, such as use of land, easements, water rights, right-of-way and other suitable rights of any part of the Concession Areas, that are outside the Reserved Area, designated in connection with Aramco's operations and transportation of products and free access to and use of any part of the Reserved Area;
- The right to purchase, lease, import or otherwise obtain all materials, equipment and any other supplies necessary for Aramco's operations;
- The right to conduct such other activity related to the foregoing subject to the provisions of the Concession and applicable law; and
- The right to receive Government assistance in securing the rights granted in the Concession, obtaining permits, licenses and other special approvals and obtaining access, rights of way and water rights from third parties necessary for Aramco's operations.

Under the Concession, Aramco is required to obtain the necessary licenses, permits and approvals that may be required pursuant to the Hydrocarbons Law, the Law of Gas Supplies and Pricing (which is replaced by the Energy Supplies Law) and the regulations issued pursuant to these laws. The Concession and Aramco's rights referred to under the Concession represent the licenses, permits, and approvals that are necessary or required for Aramco to conduct business in the Kingdom with respect to Aramco Operations and any related activities in accordance with the agreement. All hydrocarbons in the Kingdom are owned by the Kingdom, and upon extraction or recovery of such hydrocarbons by Aramco, title to such hydrocarbons shall automatically pass to Aramco at the ownership transfer point. Aramco has no rights to any natural resources existing in the Concession Area other than hydrocarbons except as otherwise provided in the Concession.

The rights granted to Aramco under the Concession are subject to the Hydrocarbons Law and other applicable law, including production decisions issued by the Government pursuant to its sovereign authority. Aramco may not sell to any entity any hydrocarbons or derivatives therefrom in violation of decisions the Government considers necessary for the protection of supreme security interests for the Kingdom in times of war or other emergency in international relations.

Term

The Concession will remain effective for 40 years from the Concession Effective Date, unless terminated earlier in accordance with its terms.

The Government will issue a decision to extend the Concession for a period of 20 years on the 30th anniversary of the Concession Effective Date, provided Aramco has fulfilled the following conditions: (a) Aramco has exerted reasonable efforts to maximize reserves and their recovery in the Concession Area, taking into consideration production decisions and hydrocarbons market conditions; (b) Aramco has conducted its operations in a manner that (i) is economically efficient, (ii) enhances the productivity of the reservoirs in the long-term in the Concession Area and (iii) supports good management of hydrocarbons, in all cases, according to the Hydrocarbons Law; and (c) Aramco generally has conducted its activities and operations in the Kingdom in an economically efficient manner thereby enhancing the efficiency of the Kingdom's economy.

If the Concession is extended as described in the previous paragraph, the Concession may be amended and extended for an additional 40 years following the 60th anniversary of the Concession Effective Date, if Aramco provides the Government with notice confirming its intent to extend the Concession, at any time from the beginning of the 50th anniversary until the end of the 53rd anniversary of the Concession Effective Date, provided that the parties undertake exclusive negotiations for a two-year period (which may be extended or reduced by the parties), commencing at the end of the 53rd anniversary of the Concession Effective Date, to reach an agreement on the terms and conditions of such amendment and extension. If the Government and Aramco are unable to reach agreement on the amendment and extension during such exclusive negotiation period, and the Government elects to negotiate with any third party to enter into an agreement with respect to any hydrocarbon activities or operations in the Concession Area, Aramco will have a priority right to enter into an agreement with the Government under the same terms and conditions as agreed between the Government and such third party, provided that Aramco notifies the Government of its desire to exercise the priority right within 120 days of its receipt of a written notice from the Government that includes the entire draft agreement with such third party with respect to such hydrocarbon activities and operations in the Concession Area.

Royalty and taxes

Commencing January 1, 2017, royalties payable to the Government with respect to the Company's operations were calculated as follows:

- With respect to the Company's production of crude oil and condensates, including those used by the Company in its operations, royalties were calculated based on a progressive scheme applied to crude oil and condensate production value. Production was valued based on the Company's official selling prices. An effective royalty rate was applied to production value and was based each month on the average daily price quotes for Brent crude on the Intercontinental Exchange (or any successor exchange) for each day during such period. The effective royalty rate was determined based on a baseline rate of 20% applied to the value of production at prices up to \$70 per barrel, a marginal rate of 40% applied to the value of production at prices above \$70 per barrel up to \$100 per barrel and a marginal rate of 50% applied to the value of production at prices above \$100 per barrel.
- With respect to the Company's production of natural gas, ethane and NGL, excluding those volumes used by the Company for upstream operations and related operations (including transportation, pipelines and storage and export facilities, fractionation plants, gas and NGL plants), royalties are calculated based on a flat royalty rate of 12.5% applied to a factor established by the Ministry of Energy. As at December 31, 2022, the factor to which this royalty is applied is \$0.035 per mmBTU for NGL (propane, butane and natural gasoline) and \$0.00 per mmBTU for natural gas (methane) and ethane. The Minister of Energy may amend the price on which such values are based, taking into account the price that achieves the targeted internal rate of return set by the Minister of Energy in coordination with the Company.

Commencing January 1, 2020, the Concession Amendment amended the royalties payable to the Government with respect to the Company's production of crude oil and condensates, including those used by the Company in its operations, so that the effective royalty rate is determined based on a baseline rate of 15% applied to the value of production at prices up to \$70 per barrel, a marginal rate of 45% applied to the value of production at prices above \$70 per barrel up to \$100 per barrel and a marginal rate of 80% applied to the value of production at prices above \$100 per barrel.

Additional legal information continued

In order to increase gas production to meet the needs of the Kingdom, the Government may choose not to collect royalties on natural gas, NGL (including ethane) and condensates for a period specified by the Government with respect to any field as required by the economics of such field's development. Pursuant to the Ministry of Energy's authority under the Concession, on February 25, 2018, the Ministry of Energy decided not to collect royalties from the Company on condensate production for a grace period of five years beginning on January 1, 2018. On September 17, 2019, the Ministry of Energy issued Ministerial Resolution No. 1/422/1441, dated 18/1/1441H (corresponding to September 17, 2019), which extends the period for which the Company will not be obligated to pay royalties on condensate production after the current five-year period for an additional 10-year period, which may be further extended for subsequent 10-year periods, unless the Government determines the economics impacting gas field development do not warrant such an extension.

The Government has the option to take all or part of the royalty in-kind from the produced hydrocarbons.

Acquisition of 70% equity interest in SABIC

On June 16, 2020, Aramco acquired the PIF's 70% equity interest in SABIC for total consideration of \$69.1 billion. SABIC operates in over 50 countries and produces a range of chemicals. Aramco believes that purchasing this majority interest in SABIC advances its strategy to increase the proportion of petrochemicals production in its downstream portfolio and supports Aramco's downstream growth ambitions. In addition, Aramco believes that the acquisition facilitates the application of SABIC's expertise in the chemicals industry to Aramco's existing and future integrated downstream facilities.

The March 27, 2019, purchase agreement provided that the purchase price for the acquisition would be paid on the closing date in the form of a cash payment equal to 50% of the purchase price (to be adjusted for certain expenses) and a seller loan in an amount equal to 50% of the purchase price with the last payment due on or before December 31, 2021. On October 6, 2019, Aramco and the PIF agreed to amend the payment terms to provide that, on the closing date, 36% of the purchase price (to be adjusted for certain expenses) would be paid in cash and 64% would be paid in the form of a seller loan with the last payment due on or before September 30, 2025.

On June 16, 2020, Aramco and the PIF agreed to further amend the payment terms to provide that the entire purchase price would be paid over several installments pursuant to a seller loan provided by the PIF (deferred consideration).

On January 24, 2022, the Company, in agreement with PIF, made a partial prepayment of \$7.6 billion, which reduced the principal amounts of two promissory notes payable on or before April 7, 2024 and April 7, 2026, by \$7.0 billion and \$1.0 billion, respectively. In addition, on June 30, 2022, the Company made a second partial prepayment of \$10.2 billion, which reduced the principal amount of a promissory note payable on or before April 7, 2025 by \$2.5 billion and further reduced the principal amount of the promissory note payable on or before April 7, 2026 by \$9.5 billion.

After taking these payments into account, as at December 31, 2022, future loan payments, which are represented by promissory notes, are payable between April 7, 2023 and April 7, 2028 (the last payment), as follows:

1. On or before April 7, 2023, an amount equal to \$10.5 billion plus a loan charge of \$500 million;
2. On or before April 7, 2024, an amount equal to \$3.5 billion plus a loan charge of \$600 million;
3. On or before April 7, 2025, an amount equal to \$8.0 billion plus a loan charge of \$800 million;
4. On or before April 7, 2026, an amount equal to \$6.6 billion plus a loan charge of \$1.5 billion;
5. On or before April 7, 2027, a loan charge of \$1.0 billion; and
6. On or before April 7, 2028, a loan charge of \$1.0 billion.

On March 7, 2023, the Company agreed with PIF to make a third partial prepayment of \$15.7 billion on or before March 15, 2023. This partial prepayment will fully reduce the outstanding principal amount of \$3.5 billion of the promissory note payable on or before April 7, 2024, and will partially reduce the outstanding principal amounts of the promissory notes payable on or before April 7, 2025, and April 7, 2026, by \$3.8 billion and \$5.7 billion, respectively. The outstanding amounts of the loan charge promissory notes payable between 2024 and 2028, aggregating to \$4.9 billion, will also be fully reduced. After taking this prepayment into account, the future loan payment will be as follows:

1. On or before April 7, 2023 an amount equal to \$10.5 billion plus a loan charge of \$500 million;
2. On or before April 7, 2025 an amount equal to \$4.2 billion;
3. On or before April 7, 2026 an amount equal to \$0.9 billion.

Subject to the exceptions set forth below, the promissory notes are freely transferable and assignable and may be pledged by the PIF. However, if the PIF receives any offer or commitment of financing which would include a transfer of any promissory note, Aramco may within 30 days of receiving notice of the offer or commitment, notify the PIF in writing of its intent to purchase all or a portion of the promissory notes to be transferred on the same terms. To the extent Aramco does not elect to purchase the promissory notes to be transferred, the PIF may transfer such promissory note during the subsequent 120-day period.

Furthermore, the PIF may not transfer, assign or pledge at any time promissory notes with aggregate initial principal outstanding balances of (i) \$3.5 billion and a payment date of April 7, 2026, (ii) \$250 million and a payment date of April 7, 2027, and (iii) \$250 million and a payment date of April 7, 2028. Aramco currently intends to repay the promissory notes in a phased manner through cash from operations, external debt financing or a combination thereof.

As part of the June 16, 2020, amendment to the purchase agreement, Aramco agreed to enter into foreign exchange transactions with banking institutions mutually agreed between Aramco and the PIF to exchange U.S. dollars for Saudi Riyals. The aggregate amount of these foreign exchange transactions is (i) up to \$2.0 billion between June 16, and August 2, 2020, (ii) up to \$3.0 billion in 2021 and (iii) up to \$2.0 billion in 2022.

Intellectual property

Aramco assesses, develops and incorporates new technology in a manner tailored to Aramco's operations to protect business interests, enhance its operational efficiency, increase profitability and reduce the environmental impact of its operations. The scale of Aramco's hydrocarbon reserves and operational capabilities enable it to realize significant benefits and value from otherwise marginal technological benefits.

Aramco focuses its technology initiatives in two primary areas: upstream and downstream. In addition, Aramco is working on several focused initiatives, including reductions in the environmental impact of operations and advancements in digital technologies. Upstream technology development is directed primarily to improving methods for discovering new hydrocarbon reserves, improving oil recoveries, increasing productivity, discovering novel catalysts and reducing lifting costs. Downstream technology development is dedicated primarily to maximizing value across the hydrocarbon chain and finding new and improved methods of producing products. Aramco's environmental impact initiatives include efforts aimed at producing lower carbon intensity crude oil, advancing efficient transport and driving high-impact lower carbon intensity solutions. Aramco's digital technologies include innovations that leverage machine learning, artificial intelligence, and data analytics.

Aramco intellectual property portfolio includes patents, trademarks and copyrights, of which no individual asset is considered material to the Company, nor does the business of the Company depend on any such asset.

Litigation

From time to time, Aramco is subject to various claims, lawsuits, regulatory investigations and other legal matters arising in the ordinary course of business, including contractual claims relating to construction projects and agreements to render services undertaken by Aramco, claims for title to land and environmental claims. Additionally, Aramco in the past has been subject to antitrust claims.

Furthermore, exports of crude oil, refined products and petrochemicals by Aramco or its affiliates to foreign countries may be affected by litigation, regulatory actions, investigations, disputes or agreements that lead to the imposition of import trade measures, including anti-dumping and countervailing duties, safeguard measures, import licensing and customs requirements, and new or increased tariffs, quotas or embargoes. The possibility and effect of any such measures will depend on the domestic laws in the relevant country to which the applicable products are being exported and applicable international trade agreements. Foreign countries may take such measures for political or other reasons, including reasons unrelated to Aramco actions or operations.

The outcome of litigation and other legal matters, including government investigations or other trade actions, is inherently uncertain. Aramco believes it has valid defenses to the legal matters currently pending against it as a party. Certain trade actions that do not involve Aramco as a party may instead involve its products or industry, other products or industries impacting its operations, or the countries in which it operates. Trade actions may be taken without prior notice, or with retroactive effect. Actual outcomes of these legal, regulatory and other proceedings may materially differ from current estimates. To date, none of these types of litigation or trade matters have had a material impact on Aramco's operations or financial position. Aramco believes that it is not presently a party to any legal, regulatory or other proceedings that, if determined adversely to it, could reasonably be expected, individually or taken together, to have a material adverse effect on Aramco's business, financial position or results of operations.

Debt instruments issued by subsidiaries

All amounts in millions SAR unless otherwise stated	Debt instrument	Balance as at December 31, 2022 ¹
Motiva Enterprises LLC	Debentures	5,743
Sadara Chemical Company	Sukuk	5,268
Saudi Aramco Sukuk Company	Sukuk	11,250
Saudi Aramco Total Refining and Petrochemical Company	Sukuk	1,458
Saudi Basic Industries Corporation	Debentures	11,993
S-Oil Corporation	Debentures	8,929
SA Global Sukuk Limited	Sukuk	22,500

1. Represents 100% of the balance as reported in the respective subsidiaries' balance sheet.

Additional legal information continued

Shares issued by subsidiaries

The Company holds direct or indirect ownership in the following domestic and foreign subsidiaries¹:

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
A. Wholly-owned:					
4 Rivers Energy LLC	USA	100%	Retail fuel operations	USD	–
Aramco (Beijing) Venture Management Consultant Co., Ltd.	China	100%	Investment	USD	1.8
Aramco Affiliated Services Company	USA	100%	Support services	USD	–
Aramco Asia India Private Limited	India	100%	Purchasing and other services	INR	2.9
Aramco Asia Japan K.K.	Japan	100%	Purchasing and other services	JPY	738.2
Aramco Asia Korea Limited	South Korea	100%	Marketing and vendor sourcing activities	KRW	4,302.9
Aramco Asia Singapore Pte. Ltd.	Singapore	100%	Purchasing and other services	USD	3.9
Aramco Associated Company	USA	100%	Aircraft operations	USD	0.0
Aramco Capital Company, LLC	USA	100%	Aircraft leasing	USD	–
Aramco Chemicals Company	Saudi Arabia	100%	Chemicals	SAR	75.0
Aramco Far East (Beijing) Business Services Co., Ltd.	China	100%	Petrochemical purchasing, sales and other services	USD	25.0
Aramco Financial Services Company	USA	100%	Financing	USD	0.0
Aramco Fuels Poland sp. z o.o.	Poland	100%	Wholesale fuel operations	USD	0.4
Aramco Gulf Operations Company Limited	Saudi Arabia	100%	Production and sale of crude oil	USD	0.3
Aramco Innovations Limited Liability Company	Russia	100%	Research and commercialization	USD	0.2
Aramco International Company Limited	British Virgin Islands	n/a ⁵	Support services	USD	0.0
Aramco Lubricants and Retail Company	Saudi Arabia	100%	Retail fuel marketing	SAR	0.2
Aramco Overseas – Egypt	Egypt	100%	Personnel and other support services	EGP	0.1
Aramco Overseas Company B.V.	Netherlands	100%	Purchasing and other services	USD	15,614.5
Aramco Overseas Company Spain, S.L.	Spain	100%	Personnel and other support services	USD	0.0
Aramco Overseas Company UK Limited	United Kingdom	100%	Personnel and other support services	USD	0.0
Aramco Overseas Malaysia SDN. BHD.	Malaysia	100%	Personnel and other support services	USD	0.1
Aramco Performance Materials LLC	USA	100%	Petrochemical manufacture and sales	USD	0.9
Aramco Services Company	USA	100%	Purchasing, engineering and other services	USD	0.0
Aramco Shared Benefits Company	USA	100%	Benefits administration	USD	0.0
Aramco Trading Americas Holding Inc.	USA	100%	Holding	USD	–
Aramco Trading Americas LLC (formerly, Motiva Trading LLC)	USA	100%	Purchasing and sale of petroleum goods and other services	USD	276.5
Aramco Trading Company	Saudi Arabia	100%	Importing, exporting and trading of crude oil, refined and chemical products	USD	35.0
Aramco Trading Fujairah FZE	UAE	100%	Importing and exporting refined products	AED	0.2
Aramco Trading Limited	United Kingdom	100%	Importing and exporting refined products	GBP	0.0
Aramco Trading Singapore Pte. Ltd.	Singapore	100%	Marketing and sales support	USD	4.5
Aramco Venture Management Consultant Company LLC	USA	100%	Consulting services	n/a	–
Aramco Ventures Holdings Limited	Guernsey	100%	Investment	USD	–
Aramco Ventures Investments Limited	Guernsey	100%	Investment	USD	–
ARLANXEO Holding B.V.	Netherlands	100%	Development, manufacture, and marketing of high- performance rubber	EUR	0.0
ARLANXEO Belgium N.V.	Belgium	100%	Development, manufacture, and marketing of high- performance rubber	EUR	108.4

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
ARLANXEO Branch Offices B.V.	Netherlands	100%	Development, manufacture, and marketing of high- performance rubber	EUR	0.1
ARLANXEO Brasil S.A.	Brazil	100%	Development, manufacture, and marketing of high- performance rubber	BRL	1,264.0
ARLANXEO Canada Inc.	Canada	100%	Development, manufacture, and marketing of high- performance rubber	CAD	46.9
ARLANXEO Deutschland GmbH	Germany	100%	Development, manufacture, and marketing of high- performance rubber	EUR	0.0
ARLANXEO Elastomères France S.A.S.	France	100%	Development, manufacture, and marketing of high- performance rubber	EUR	18.9
ARLANXEO Emulsion Rubber France S.A.S.	France	100%	Development, manufacture, and marketing of high- performance rubber	EUR	19.1
ARLANXEO High Performance Elastomers (Changzhou) Co., Ltd.	China	100%	Development, manufacture, and marketing of high- performance rubber	CNY	1,143.2
ARLANXEO India Private Limited	India	100%	Development, manufacture, and marketing of high- performance rubber	INR	22.5
ARLANXEO Netherlands B.V.	Netherlands	100%	Development, manufacture, and marketing of high- performance rubber	EUR	30.4
ARLANXEO Singapore Pte. Ltd.	Singapore	100%	Development, manufacture, and marketing of high- performance rubber	USD	843.6
ARLANXEO Switzerland S.A.	Switzerland	100%	Development, manufacture, and marketing of high- performance rubber	USD	35.1
ARLANXEO USA LLC	USA	100%	Development, manufacture, and marketing of high- performance rubber	USD	–
Aurora Capital Holdings LLC	USA	100%	Real estate holdings	USD	–
Bolanter Corporation N.V.	Curaçao	100%	Crude oil storage	USD	0.0
Briar Rose Ventures LLC	USA	100%	Real estate holdings	USD	–
Canyon Lake Holdings LLC	USA	100%	Retail fuel operations	USD	–
Excellent Performance Chemicals Company	Saudi Arabia	100%	Petrochemical manufacture and sales	SAR	1,000.0
Global Digital Integrated Solutions Company	Saudi Arabia	100%	Information technology	SAR	–
Investment Management Company	Saudi Arabia	100%	Investment management of post-employment benefit plans	USD	0.1
Motiva Enterprises LLC	USA	100%	Refining and marketing	USD	9,558.7
Motiva Pipeline LLC	USA	100%	Pipeline transport	USD	–
Mukamala Oil Field Services Limited	Saudi Arabia	100%	Oil field services	USD	461.1
Mukamalah Aviation Company (formerly, Mukamala International Investments Company)	Saudi Arabia	100%	Aviation	USD	0.1
Pandlewood Corporation N.V.	Curaçao	100%	Financing	USD	0.0
Pedernales Ventures LLC	USA	100%	Retail fuel operations	USD	–
Pedernales Ventures II LLC	USA	100%	Investment	USD	–
PT Aramco Overseas Indonesia	Indonesia	100%	Project management support	IDR	2,500.0
SAEV Europe Limited	United Kingdom	100%	Investment	USD	0.0
SAEV Guernsey 1 Ltd	Guernsey	100%	Investment	USD	2.4
SAEV Guernsey Holdings Limited	Guernsey	100%	Investment	USD	–
Saudi Aramco Asia Company Limited	Saudi Arabia	100%	Investment	USD	0.1
Saudi Aramco Capital Company Limited	Guernsey	100%	Investment	USD	–

Additional legal information continued

Shares issued by subsidiaries continued

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
Saudi Aramco Development Company	Saudi Arabia	100%	Investment	SAR	0.5
Saudi Aramco Energy Ventures LLC	Saudi Arabia	100%	Investment	SAR	0.5
Saudi Aramco Energy Ventures US LLC	USA	100%	Investment	USD	–
Saudi Aramco Entrepreneurship Center Company Limited	Saudi Arabia	100%	Financing	SAR	0.5
Saudi Aramco Entrepreneurship Venture Company Limited	Saudi Arabia	100%	Investment	SAR	0.5
Saudi Aramco Jubail Refinery Company	Saudi Arabia	100%	Refining	SAR	1,600.0
Saudi Aramco Power Company	Saudi Arabia	100%	Power generation	SAR	0.1
Saudi Aramco Sukuk Company	Saudi Arabia	100%	Investment	SAR	0.5
Saudi Aramco Technologies Company	Saudi Arabia	100%	Research and commercialization	USD	0.1
Saudi Aramco Upstream Technology Company	Saudi Arabia	100%	Research and commercialization	USD	0.1
Saudi Petroleum International, Inc.	USA	100%	Marketing support services	USD	0.0
Saudi Petroleum Overseas, Ltd.	United Kingdom	100%	Marketing support and tanker services	GBP	0.0
Saudi Petroleum, Ltd.	British Virgin Islands	n/a ⁵	Marketing support and tanker services	USD	–
Saudi Refining, Inc.	USA	100%	Refining and marketing	USD	0.0
Sofon Industries Company	Saudi Arabia	100%	Maritime holdings	SAR	–
Stellar Insurance, Ltd.	Bermuda	100%	Insurance	USD	0.1
Vela International Marine Limited	Liberia	100%	Marine management and transportation	USD	0.0
Wisayah Global Investment Company	Saudi Arabia	100%	Investment services	SAR	0.5
B. Unconsolidated structured entity:					
Energy City Development Company	Saudi Arabia	100%	Industrial development	n/a	n/a
Energy City Operating Company	Saudi Arabia	100%	Industrial development	n/a	n/a
Energy City Logistics Company	Saudi Arabia	51%	Logistics	n/a	n/a
C. Non-wholly-owned:					
Aramco Gas Pipelines Company	Saudi Arabia	51%	Pipeline transport	SAR	0.1
Aramco Oil Pipelines Company	Saudi Arabia	51%	Pipeline transport	SAR	0.1
Aramco Training Services Company	USA	49%	Training	USD	0.0
ARLANXEO-TSRC (Nantong) Chemical Industries Co., Ltd.	China	50%	Development, manufacture, and marketing of high- performance rubber	CNY	288.3
Johns Hopkins Aramco Healthcare Company	Saudi Arabia	80%	Healthcare	SAR	93.75
Saudi Aramco Base Oil Company ⁴	Saudi Arabia	70%	Production and sale of petroleum based lubricants	SAR	1,688.0
Saudi Aramco Nabors Drilling Company	Saudi Arabia	50%	Drilling	SAR	150.0
Saudi Aramco Rowan Offshore Drilling Company	Saudi Arabia	50%	Drilling	SAR	187.5
S-International Ltd.	The Independent State of Samoa	61.6%	Purchasing and sale of petroleum goods	USD	0.0
S-Oil Corporation	South Korea	61.6%	Refining	USD	265.2
S-Oil Singapore Pte. Ltd.	Singapore	61.6%	Marketing support	SGD	1.2
Saudi Basic Industries Corporation ("SABIC") ³	Saudi Arabia	70%	Holding	SAR	30,000.0
SABIC Luxembourg S.à r.l. ("SLUX")	Luxembourg	70%	Petrochemicals	USD	34.4
SABIC Industrial Investments Company ("SIIC")	Saudi Arabia	70%	Investments	SAR	300.0
SABIC Agri-Nutrients Company ("SABIC AN")	Saudi Arabia	35.1%	Agri-nutrients	SAR	4,760.4

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
SABIC Investment and Local Content Development Company ("NUSANED")	Saudi Arabia	70%	Investment	SAR	379.7
Arabian Petrochemical Company ("PETROKEMYA")	Saudi Arabia	70%	Petrochemicals	SAR	1,955.5
Saudi Iron and Steel Company ("HADEED")	Saudi Arabia	70%	Metals	SAR	1,070.0
Saudi European Petrochemical Company ("IBN ZAHR")	Saudi Arabia	56%	Petrochemicals	SAR	1,025.7
Jubail United Petrochemical Company ("UNITED")	Saudi Arabia	52.5%	Petrochemicals	SAR	2,495.6
Saudi Methanol Company ("AR-RAZI")	Saudi Arabia	52.5%	Petrochemicals	SAR	259.0
National Industrial Gases Company ("GAS")	Saudi Arabia	51.8%	Utilities	SAR	248.0
Yanbu National Petrochemical Company ("YANSAB")	Saudi Arabia	36.4%	Petrochemicals	SAR	5,625.0
National Methanol Company ("IBN-SINA")	Saudi Arabia	35%	Petrochemicals	SAR	558.0
Arabian Industrial Fibers Company ("IBN RUSHD")	Saudi Arabia	33.9%	Petrochemicals	SAR	2,000.0
SABIC Innovative Plastics Argentina SRL	Argentina	70%	Petrochemicals	USD	33.5
SABIC High Performance Plastic ("SHPP") Argentina SRL	Argentina	70%	Specialties	USD	3.0
SABIC Australia Pty Ltd.	Australia	70%	Petrochemicals	AUD	110.2
SABIC Innovative Plastics Aus GmbH	Austria	70%	Petrochemicals	EUR	0.2
SABIC Innovative Plastics GmbH & Co. KG	Austria	70%	Petrochemicals	EUR	164.7
SABIC Innovative Plastics South America-Indústria e Comércio de Plásticos Ltda	Brazil	70%	Petrochemicals	BRL	318.8
SHPP South America Comércio de Plásticos Ltda	Brazil	70%	Specialties	BRL	44.3
NV Pijpleiding Antwerpen-Limburg-Luik (PALL)	Belgium	70%	Support services	EUR	12.3
SABIC Belgium NV	Belgium	70%	Petrochemicals	EUR	210.1
SHPP Canada, Inc.	Canada	70%	Specialties	CAD	209.1
SABIC Petrochemicals Canada, Inc.	Canada	70%	Petrochemicals	CAD	0.0
SABIC Innovative Plastics (China) Co., Ltd.	China	70%	Petrochemicals	USD	392.2
SABIC Innovative Plastics (Chongqing) Co., Ltd.	China	70%	Petrochemicals	USD	112.5
SABIC Innovative Plastics International Trading (Shanghai) Ltd.	China	70%	Petrochemicals	USD	1.2
SABIC Innovative Plastics Management (Shanghai) Co., Ltd.	China	n/a ⁵	Petrochemicals	CNY	-
SHPP (Shanghai) Co., Ltd.	China	70%	Specialties	USD	432.7
SABIC (Shanghai) Trading Co. Ltd.	China	70%	Petrochemicals	CNY	16.9
SABIC (China) Research & Development Co. Ltd.	China	70%	Petrochemicals	CNY	170.6
SABIC China Holding Co. Ltd.	China	70%	Petrochemicals	USD	0.8
SABIC Innovative Plastics Czech s.r.o.	Czech Republic	70%	Petrochemicals	CZK	0.0
SHPP Czech s.r.o.	Czech Republic	70%	Specialties	EUR	0.0
SABIC Innovative Plastics Denmark Aps	Denmark	70%	Petrochemicals	DKK	0.1
SABIC Nordic A/S	Denmark	70%	Petrochemicals	DKK	2.0
SABIC Innovative Plastics Finland OY	Finland	70%	Petrochemicals	EUR	3.0
SHPP Finland OY	Finland	70%	Specialties	EUR	0.0
SABIC France S.A.S.	France	70%	Petrochemicals	EUR	1.9
SABIC Innovative Plastics France S.A.S.	France	70%	Petrochemicals	EUR	4.5
SHPP France S.A.S.	France	70%	Specialties	EUR	9.8
SABIC Deutschland GmbH	Germany	70%	Petrochemicals	EUR	0.1

Additional legal information continued

Shares issued by subsidiaries continued

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
SABIC Holding Deutschland GmbH	Germany	70%	Petrochemicals	EUR	0.1
SABIC Innovative Plastics GmbH	Germany	70%	Petrochemicals	EUR	0.5
SABIC Innovative Plastics Holding Germany GmbH	Germany	70%	Petrochemicals	EUR	0.3
SABIC Polyolefine GmbH	Germany	70%	Petrochemicals	EUR	0.1
SHPP Germany GmbH	Germany	70%	Specialties	EUR	0.1
SD Verwaltungs GmbH	Germany	70%	Administrative company	EUR	0.1
SD Lizenzverwertungs GmbH & Co KG	Germany	70%	License company	EUR	0.4
SD Beteiligungs GmbH & Co KG	Germany	70%	Specialties	EUR	0.4
SABIC Greece M.E.P.E.	Greece	n/a ⁵	Petrochemicals	EUR	0.1
SABIC Innovative Plastics Hong Kong Ltd.	Hong Kong, China	70%	Petrochemicals	USD	279.7
SABIC Innovative Plastics SIT Holding Ltd.	Hong Kong, China	70%	Petrochemicals	USD	27.4
SABIC Taiwan Holding Ltd.	Hong Kong, China	70%	Petrochemicals	USD	92.7
SHPP Hong Kong	Hong Kong, China	70%	Specialties	USD	12.7
SABIC Hungary Kft.	Hungary	70%	Petrochemicals	HUF	0.1
SABIC Innovative Plastics Kereskedelmi Kft.	Hungary	70%	Petrochemicals	HUF	0.1
SHPP Hungary Kft.	Hungary	70%	Specialties	EUR	0.0
SABIC India Pvt Ltd.	India	70%	Petrochemicals	INR	3.3
SABIC Innovative Plastics India Private Ltd.	India	70%	Petrochemicals	INR	34.4
SABIC R&T Pvt Ltd.	India	70%	Petrochemicals	INR	259.7
High Performance Plastics India Pvt Ltd.	India	70%	Petrochemicals	INR	0.0
SABIC Innovative Plastics Italy Srl	Italy	70%	Petrochemicals	EUR	69.8
SABIC Italia Srl	Italy	70%	Petrochemicals	EUR	0.5
SABIC Sales Italy Srl	Italy	70%	Specialties	EUR	0.0
SHPP Italy Srl	Italy	70%	Specialties	EUR	0.0
SHPP Sales Italy Srl	Italy	70%	Specialties	EUR	0.0
SHPP Japan LLC	Japan	70%	Petrochemicals	JPY	276.8
SABIC Petrochemicals Japan LLC	Japan	70%	Petrochemicals	JPY	3.6
SABIC Korea Ltd.	South Korea	70%	Petrochemicals	KRW	86.7
SHPP Korea Ltd.	South Korea	70%	Specialties	KRW	63.6
SABIC Innovative Plastics Malaysia Sdn Bhd	Malaysia	70%	Petrochemicals	MYR	8.5
SHPP Malaysia Sdn Bhd	Malaysia	70%	Specialties	USD	0.9
SABIC Innovative Plastics Mexico S de RL de CV	Mexico	70%	Petrochemicals	USD	36.2
High Performance Plastics Manufacturing Mexico S de RL de CV	Mexico	70%	Specialties	USD	13.8
BV Snij-Unie HiFi	Netherlands	70%	Petrochemicals	EUR	0.0
SABIC Capital B.V.	Netherlands	70%	Financing	USD	0.1
SABIC Capital I B.V.	Netherlands	70%	Financing	USD	0.1
SABIC Capital II B.V.	Netherlands	70%	Financing	USD	0.1
Petrochemical Pipeline Services B.V.	Netherlands	70%	Petrochemicals	EUR	13.6
SABIC Europe B.V.	Netherlands	70%	Petrochemicals	EUR	747.1
SABIC Global Technologies B.V.	Netherlands	70%	Petrochemicals	USD	0.1
SABIC International Holdings B.V.	Netherlands	70%	Petrochemicals	USD	727.9
SABIC Innovative Plastics B.V.	Netherlands	70%	Petrochemicals	EUR	648.6
SABIC Innovative Plastics GP B.V.	Netherlands	70%	Petrochemicals	USD	0.1
SABIC Innovative Plastics Holding B.V.	Netherlands	70%	Petrochemicals	USD	0.1
SABIC Innovative Plastics Utilities B.V.	Netherlands	70%	Petrochemicals	EUR	0.0
SABIC Licensing B.V.	Netherlands	70%	Petrochemicals	USD	0.1
SABIC Limburg B.V.	Netherlands	70%	Petrochemicals	EUR	0.1
SABIC Sales Europe B.V.	Netherlands	70%	Petrochemicals	EUR	0.5

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
SABIC Petrochemicals B.V.	Netherlands	70%	Petrochemicals	EUR	192.1
SABIC Ventures B.V.	Netherlands	70%	Petrochemicals	USD	0.1
SABIC Mining B.V.	Netherlands	70%	Petrochemicals	USD	0.1
SHPP Holding B.V.	Netherlands	70%	Specialties	USD	0.0
SHPP Global Technologies B.V.	Netherlands	70%	Specialties	USD	0.0
SHPP Ventures B.V.	Netherlands	70%	Specialties	EUR	0.0
SHPP Capital B.V.	Netherlands	70%	Financing	USD	0.0
SHPP Capital I B.V.	Netherlands	70%	Financing	USD	0.0
SHPP Capital II B.V.	Netherlands	70%	Financing	USD	0.0
SHPP B.V.	Netherlands	70%	Specialties	EUR	0.0
SHPP Sales B.V.	Netherlands	70%	Specialties	EUR	0.0
SABIC Innovative Plastics Poland Sp. Z o.o.	Poland	70%	Petrochemicals	PLN	1.8
SABIC Poland Sp. Z o.o.	Poland	70%	Petrochemicals	PLN	0.1
SHPP Poland Sp. Z o.o.	Poland	70%	Specialties	EUR	0.0
LLC SABIC Eastern Europe	Russia	70%	Petrochemicals	RUB	0.0
SABIC Innovative Plastics Rus OOO	Russia	70%	Petrochemicals	RUB	0.0
SHPP Russia OOO	Russia	70%	Specialties	RUB	0.0
SABIC Innovative Plastics (SEA) Pte. Ltd.	Singapore	70%	Petrochemicals	USD	271.0
SABIC Innovative Plastics Holding Singapore Pte. Ltd.	Singapore	70%	Petrochemicals	USD	1,902.6
SHPP Singapore Pte. Ltd.	Singapore	70%	Specialties	USD	1,827.5
SABIC Asia Pacific Pte Ltd ("SAPPL")	Singapore	70%	Petrochemicals, agri-nutrients	USD	0.2
SABIC Innovative Plastics Espana ScpA	Spain	70%	Petrochemicals	EUR	2,603.6
SABIC Innovative Plastics GP BV, Sociedad en Comandita	Spain	70%	Petrochemicals	EUR	15.8
SABIC Sales Spain SL	Spain	70%	Petrochemicals	EUR	0.0
SABIC Marketing Ibérica S.A.	Spain	70%	Petrochemicals	EUR	0.3
SHPP Manufacturing Spain SL	Spain	70%	Specialties	EUR	0.0
SHPP Marketing Plastics SL	Spain	70%	Specialties	EUR	0.0
Saudi Innovative Plastics Sweden AB	Sweden	70%	Petrochemicals	SEK	1.6
SHPP Thailand Co. Ltd.	Thailand	70%	Specialties	THB	70.9
SABIC (Thailand) Co. Ltd.	Thailand	70%	Petrochemicals	THB	28.8
SHPP Petrokimya Ticaret Ltd Sirketi	Turkey	70%	Specialties	EUR	0.0
SABIC Global Ltd.	United Kingdom	70%	Petrochemicals	GBP	166.3
SABIC Tees Holdings Ltd.	United Kingdom	70%	Petrochemicals	EUR	1,245.0
SHPP Manufacturing UK Ltd.	United Kingdom	70%	Specialties	GBP	80.1
SABIC Innovative Plastics Ltd.	United Kingdom	70%	Petrochemicals	GBP	17.5
SABIC UK Ltd.	United Kingdom	70%	Petrochemicals	GBP	–
SABIC UK Pension Trustee Ltd.	United Kingdom	70%	Petrochemicals	GBP	–
SABIC UK Petrochemicals Ltd.	United Kingdom	70%	Petrochemicals	GBP	2,576.3
SHPP Sales UK Ltd.	United Kingdom	70%	Specialties	EUR	0.0
Exatec, LLC	USA	70%	Petrochemicals	USD	380.6
Mt. Vernon Phenol Plant Partnership	USA	n/a ⁵	Petrochemicals	USD	91.9
SABIC Americas LLC	USA	70%	Petrochemicals, agri-nutrients	USD	7.0
SABIC US Holdings LP	USA	70%	Petrochemicals	USD	13,968.0
SABIC Innovative Plastics Mt. Vernon, LLC	USA	70%	Petrochemicals	USD	7,593.8
SABIC Innovative Plastics US LLC	USA	70%	Petrochemicals	USD	9,716.9
SABIC Petrochemicals Holding US, LLC	USA	70%	Petrochemicals	USD	–
SABIC Ventures US Holdings LLC	USA	70%	Petrochemicals	USD	231.0
SABIC US Projects LLC	USA	70%	Petrochemicals	USD	56.3
SABIC Americas Growth LLC	USA	70%	Petrochemicals	USD	–
SABIC US Methanol LLC	USA	70%	Petrochemicals	USD	–

Additional legal information continued

Shares issued by subsidiaries continued

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
SHPP US LLC	USA	70%	Specialties	USD	0.0
JVSS Holding Co Inc.	USA	70%	Specialties	USD	6.0
Scientific Design Co. Inc.	USA	70%	Specialties	USD	69.2
SABIC Vietnam Company Ltd.	Vietnam	70%	Petrochemicals	VND	1.9
SHPP Vietnam Co Ltd	Vietnam	70%	Specialties	VND	0.4
SABCAP Insurance Limited ("SABCAP")	Guernsey	70%	Insurance	USD	187.5
SABIC Petrokemya Ticaret Limited ("SABIC TURKEY")	Turkey	70%	Petrochemicals	TRY	0.9
SABIC Middle East Offshore Company ("SABIC MIDDLE EAST")	Lebanon	n/a ⁵	Petrochemicals	USD	0.1
SABIC Middle East Business Management LLC	Jordan	70%	Petrochemicals	JOD	0.1
SABIC South Africa Proprietary Ltd.	South Africa	70%	Petrochemicals	ZAR	–
SABIC Africa for Trade & Marketing ("S.A.E.")	Egypt	70%	Petrochemicals	EGP	0.1
SABIC Morocco	Morocco	70%	Petrochemicals	MAD	0.4
SABIC Global Mobility Company FZ LLC ("GMC")	UAE	70%	Personnel and other support services	AED	0.1
SABIC Global Mobility ("GMC LLC")	UAE	n/a ⁵	Personnel and other support services	AED	–
SABIC Tunisia	Tunisia	70%	Petrochemicals	TND	0.8
SABIC Kenya	Kenya	70%	Petrochemicals	KES	0.9
SABIC Pakistan (Pvt.) Ltd.	Pakistan	70%	Petrochemicals	PKR	0.9
SABIC East Africa for Trade and Marketing LLC	Egypt	70%	Petrochemicals	EGP	0.0
International Shipping and Transportation Co. ("ISTC")	Saudi Arabia	69.3%	Supply chain	SAR	40.0
SABIC Supply Chain Services Limited Company ("SSCS")	Saudi Arabia	70%	Supply chain	SAR	0.5
SABIC Terminal Services ("SABTANK")	Saudi Arabia	63%	Supply chain	SAR	30.0
Jubail Chemical Storage and Services Company ("CHEMTANK")	Saudi Arabia	40.6%	Supply chain	SAR	582.8
SABIC Agri-Nutrients Investment Company ("SANIC")	Saudi Arabia	70%	Agri-nutrients	SAR	0.0
National Chemical Fertiliser Company ("IBN AL-BAYTAR")	Saudi Arabia	35.1%	Agri-nutrients	SAR	494.7
Al-Jubail Fertiliser Company ("AL BAYRONI")	Saudi Arabia	35%	Agri-nutrients	SAR	671.5
Joint operations:					
Al-Khafji Joint Operations	Saudi-Kuwaiti Partitioned Zone	50%	Oil and gas exploration and production	SAR	1.0
Fadhili Plant Cogeneration Company	Saudi Arabia	30%	Power generation	SAR	2.0
Pengerang Petrochemical Company SDN. BHD.	Malaysia	50%	Petrochemicals	MYR	1,207.0
Pengerang Refining Company SDN. BHD.	Malaysia	50%	Refining	MYR	6,457.0
Power Cogeneration Plant Company	Saudi Arabia	50%	Power generation	SAR	24.8
Saudi Aramco Mobil Refinery Company Ltd	Saudi Arabia	50%	Refining	SAR	1,800.0
Saudi Aramco Total Refining and Petrochemical Company	Saudi Arabia	62.5%	Refining/petrochemicals	SAR	8,250.0
Torathuna Social Responsibility Company	Saudi Arabia	62.5%	Corporate social responsibility	SAR	0.5
Tanajib Cogeneration Power Company	Saudi Arabia	40%	Power systems	SAR	15.0
Yanbu Aramco Sinopec Refining Company Limited	Saudi Arabia	62.5%	Refining	SAR	5,851.1
Gulf Coast Growth Venture LLC ("GCGV") ³	USA	35%	Petrochemicals	USD	24,701.5

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
Saudi Methacrylates Company ("SAMAC") ³	Saudi Arabia	35%	Petrochemicals	SAR	1,350.0
Joint ventures:					
AIR BP Aramco Poland sp. z o.o.	Poland	50%	Aviation fuels	PLN	1.9
Arabian Rig Manufacturing Company	Saudi Arabia	30%	Rig manufacturing	SAR	28.6
First Coast Energy, L.L.P.	USA	50%	Marketing	USD	164.0
Huajin Aramco Petrochemical Co., Ltd.	China	35%	Petrochemicals	RMB	–
Juniper Ventures of Texas LLC	USA	60%	Marketing	USD	130
Middle East Cloud and Digital Transformation Company Limited	Saudi Arabia	51%	Information technology	SAR	22.5
Middle East Information Technology Solutions	Saudi Arabia	49%	Information technology	SAR	41.3
Novel Non-Metallic Solutions Manufacturing	Saudi Arabia	50%	Manufacturing	SAR	150.1
Sadara Chemical Company	Saudi Arabia	65%	Petrochemicals	SAR	35,625.0
Sadara Basic Services Company	Saudi Arabia	65%	Petrochemical manufacture and sales	USD	2.0
Saudi Hydrogen Peroxide Company	Saudi Arabia	33%	Petrochemical manufacture	SAR	242.0
Sadara Sukuk Wahid BV	Netherlands	65%	Investment	USD	0.1
Sadara Sukuk Ithnayn BV	Netherlands	65%	Investment	USD	0.1
Sadara Sukuk Thalatha BV	Netherlands	65%	Investment	USD	0.1
Sadara Sukuk Arba'a BV	Netherlands	65%	Investment	USD	0.1
Sadara Sukuk Khamsa BV	Netherlands	65%	Investment	USD	0.1
Saudi Arabian Industrial Investment Company	Saudi Arabia	42.5%	Investment	SAR	3,300.0
Saudi Engines Manufacturing Company	Saudi Arabia	55%	Manufacturing	SAR	156.0
S-Oil TotalEnergies Lubricants Co., Ltd.	South Korea	30.8%	Lubricants production and sales	KRW	35,000.0
Star Enterprise	USA	n/a ⁵	Pension administration	USD	255.0
Sahel Cafe Food Services Company	Saudi Arabia	50%	Retail services	SAR	0.1
Sahel Mart Company	Saudi Arabia	50%	Retail services	SAR	40.0
Sahel Transportation Company	Saudi Arabia	50%	Retail services	SAR	0.5
Tas'helat Marketing Company	Saudi Arabia	50%	Marketing	SAR	40.0
Advanced Energy Storage System Investment Company ("AESSIC") ³	Saudi Arabia	34.1%	Renewable energy	SAR	110.3
Al-Jubail Petrochemical Company ("Kemya") ³	Saudi Arabia	35%	Petrochemicals	SAR	2,149.2
Cosmar Company ("COSMAR") ³	USA	35%	Petrochemicals	USD	918.6
Eastern Petrochemical Company ("Sharq") ³	Saudi Arabia	35%	Petrochemicals	SAR	1,890.0
SABIC Fujian Petrochemicals Co., Ltd. ("FUJIAN") ³	China	35.7%	Petrochemicals	CNY	7,307.5
SABIC Plastic Energy Advanced Recycling BV ("SPEAR") ³	Netherlands	35%	Petrochemicals	EUR	8.1
SABIC SK Nexelene Company Pte. Ltd. ("SSNC") ³	Singapore	35%	Petrochemicals	SAR	1,125.0
Saudi Yanbu Petrochemical Company ("Yanpet") ³	Saudi Arabia	35%	Petrochemicals	SAR	4,596.0
Sinopec SABIC Tianjin Petrochemical Company Limited ("SSTPC") ³	China	35%	Petrochemicals	SAR	5,342.9
Utility Support Group B.V. ("USG") ³	Netherlands	35%	Utilities	EUR	0.0

Additional legal information continued

Shares issued by subsidiaries continued

Name of entity	Place of business/ country of incorporation	Percent ownership ²	Principal business activity	Share capital	
				Currency	Amount (millions)
Associates:					
BP AOC Pumpstation Maatschap	Netherlands	50%	Storage	EUR	–
BP ESSO AOC Maatschap	Netherlands	34.4%	Storage	EUR	–
International Maritime Industries Company	Saudi Arabia	40.1%	Maritime	SAR	424.2
Rabigh Refining and Petrochemical Company ³	Saudi Arabia	37.5%	Refining/ petrochemicals	SAR	16,710.0
Rafineria Gdańska sp. z o.o.	Poland	30%	Refining	PLN	154.0
Sudair 1 Holding Company	Saudi Arabia	30.3%	Holding	SAR	0.2
Team Terminal B.V.	Netherlands	34.4%	Storage	EUR	–
Mauritania Saudi Mining & Steel Company S.A. ("TAKAMUL") ³	Mauritania	35%	Mining (metal)	MRU	91.4
Nusaned Fund I ³	Saudi Arabia	35%	Equity investments	SAR	74.6
Nusaned Fund II ³	Saudi Arabia	42%	Equity investments	SAR	450.0

1. Excludes subsidiaries which are passively held for investment purposes and not deemed material by Aramco.

2. Percentages disclosed reflect the effective ownership of Aramco in the respective entities.

3. Share capital amounts are presented in SAR. The currencies listed represent the functional currency of the entity.

4. In December 2022, Saudi Aramco Base Oil Company ("Luberef") listed its shares on the Saudi Exchange following the successful completion of its IPO. There was no change in the Company's shareholding interest following the listing.

5. Under liquidation.

For more information on Aramco's subsidiaries, see Section 7: Consolidated financial statements – Notes 38 and 39.

Forecasts and forward-looking statements

This Annual Report may contain certain forward-looking statements with respect to Aramco's financial position, results of operations and business and certain of Aramco's plans, intentions, expectations, assumptions, goals and beliefs regarding such items. These statements include all matters that are not historical fact and generally, but not always, may be identified by the use of words such as "believes", "expects", "are expected to", "anticipates", "intends", "estimates", "should", "strive", "will", "shall", "may", "is likely to", "plans", "targets", "goals", "outlook" or similar expressions, including variations and the negatives thereof or comparable terminology. These statements include, among other things, statements about expectations in connection with Aramco's environmental, social and governance ("ESG") initiatives, including targets and goals regarding such items.

Prospective investors should be aware that forward-looking statements are not guarantees of future performance and that Aramco's actual financial position, results of operations and business and the development of the industries in which it operates may differ significantly from those made in or suggested by these forward-looking statements. In addition, even if Aramco's financial position, results of operations and business and the development of the industries in which it operates are consistent with these forward-looking statements, those results or developments may not be indicative of results or developments in subsequent periods.

Factors that could cause actual results to differ materially from Aramco's expectations are contained in cautionary statements in this Annual Report and include, among other things, the following:

- global supply, demand and price fluctuations with respect to oil, gas, and petrochemicals;
- global economic market conditions;
- natural disasters and public health pandemics or epidemics (such as COVID-19), and weather conditions (including those associated with climate change);
- competition in the industries in which Aramco operates;
- climate change concerns and related impacts on the global demand for hydrocarbons and hydrocarbon-based products;
- risks related to our ability to successfully meet our ESG targets goals;
- conditions affecting the transportation of products;
- operational risk and hazards common in the oil and gas, refining and petrochemicals industries;
- the cyclical nature of the oil and gas, refining and petrochemicals industries;
- terrorism and armed conflict, political and social instability and unrest, and actual or potential armed conflicts in the MENA region and other areas;
- managing Aramco's growth and risks related to its strategic growth objectives;
- risks in connection with projects under development and recent and future acquisitions and joint ventures, including with respect to SABIC;
- Aramco's dependence on the reliability and security of its IT systems;
- managing Aramco's subsidiaries, joint operations, joint ventures, associates and entities in which it holds a minority interest; including their performance with respect to ESG initiatives;
- Aramco's exposure to inflation risk, interest rate risk and foreign exchange risk;
- risks related to operating in a regulated industry and changes to oil, gas, environmental, health, safety or other regulations that impact the industries in which Aramco operates;
- risks related to litigation, including international trade litigation, disputes or agreements; and
- risks related to the Kingdom.

The sections of this Annual Report entitled "Risk Factors" and "Financial Performance" contain a more complete discussion of the factors that could affect Aramco's future performance and the industries in which it operates. In light of these risks, uncertainties and assumptions, the forward-looking events described in this Annual Report may not occur in the manner described or may not occur at all.

The forward-looking statements speak as of the date of this Annual Report. We undertake no obligation to update or revise any forward-looking statement, whether as a result of new information, future events or otherwise. All subsequent written and oral forward-looking statements attributable to us or to persons acting on our behalf are expressly qualified in their entirety by the cautionary statements referred to above and contained elsewhere in this Annual Report.

Terms and abbreviations

Currencies

SAR/Saudi Riyal

Saudi Arabian riyal, the lawful currency of the Kingdom

\$/USD/Dollar

U.S. dollar

Units of measurement

Barrel (bbl)

Barrels of crude oil, condensate or refined products

B

Billion

boe

Barrels of oil equivalent

bpd

Barrels per day

bscf

Billion standard cubic feet

bscfd

Billion standard cubic feet per day

BTU

British thermal unit

GW

Gigawatts

mboed

Thousand barrels of oil equivalent per day

mbpd

Thousand barrels per day

mmbbl

Million barrels

mmboe

Million barrels of oil equivalent

mmboed

Million barrels of oil equivalent per day

mmbspd

Million barrels per day

mmBTU

Million British thermal units

mmtCO₂

Million metric tons of carbon dioxide

mmscf

Million standard cubic feet

mmscfd

Million standard cubic feet per day

mmtpa

Million metric tons per annum

per day

Volumes are converted into a daily basis using a calendar year (Gregorian)

scf

Standard cubic feet

tscf

Trillion standard cubic feet

Technical terms

Arabian Extra Light

Crude oil with API gravity of 36° to 40° and sulfur content between 0.5% and 1.3%.

Arabian Heavy

Crude oil with API gravity less than 29° and sulfur content greater than 2.9%.

Arabian Light

Crude oil with API gravity of 32° to 36° and sulfur content between 1.3% and 2.2%.

Arabian Medium

Crude oil with API gravity of 29° to 32° and sulfur content between 2.2% and 2.9%.

Arabian Super Light

Crude oil with API gravity more than 40° and sulfur content less than 0.5%.

Carbon dioxide equivalent (CO₂e)

A metric measure used to compare the emissions from various greenhouse gases based upon their global warming potential (GWP). Carbon dioxide equivalents are commonly expressed as million metric tons of carbon dioxide equivalents (mmtCO₂e). The carbon dioxide equivalent for a gas is derived by multiplying the tons of the gas by the associated GWP.

Carbon intensity

A measure of greenhouse gas emissions in carbon dioxide (CO₂) equivalent per barrel of oil equivalent.

CO₂

Carbon dioxide.

Condensate

Light hydrocarbon substances produced with raw gas which condense into liquid at normal temperatures and pressures associated with surface production equipment.

Delineation

A process by which new wells are drilled in order to determine the boundaries of a discovered oil or gas field, both its areal extent and its vertical hydrocarbon column.

FEED

Front end engineering design.

Freshwater

Non-brackish water with total dissolved solids (TDS) concentration up to 2,000 mg/l.

Greenhouse gas (GHG) emissions

Any gaseous compound in the atmosphere that is capable of absorbing infrared radiation. Generally, consists of water vapor, CO₂, methane, nitrous oxide, hydro fluorocarbons, perfluorocarbons and sulfur hexafluoride. Aramco's inventory includes CO₂, methane and nitrous oxide.

Gross chemicals production capacity

The total combined chemicals production capacity of Aramco and the joint ventures and other entities in which Aramco owns an equity interest.

Gross refining capacity

The total combined refining capacity of Aramco and the joint ventures and other entities in which Aramco owns an equity interest.

Hydrocarbons

Crude oil and other hydrogen and carbon compounds in liquid or gaseous state.

Lifting costs

Oil and gas operations (i) production related expenses; (ii) taxes other than income taxes (if applicable); and (iii) production related general and administrative expenses. Lifting costs exclude exploration, royalty, R&D, public service costs, gain or loss on disposal of property, plant and equipment and depreciation costs.

Liquids

Crude oil, condensate and NGL.

LPG

Liquefied petroleum gas, which is a mixture of saturated and unsaturated hydrocarbons, with up to five carbon atoms, used as household fuel.

MSC

Maximum Sustainable Capacity — the average maximum number of barrels per day of crude oil that can be produced for one year during any future planning period, after taking into account all planned capital expenditures and maintenance, repair and operating costs, and after being given three months to make operational adjustments. The MSC excludes AGOC's crude oil production capacity.

MTBE

Methyl tertiary butyl ether — a volatile, colorless, flammable liquid that is manufactured via a chemical reaction between methanol and isobutylene and is used as a component in fuel for gasoline engines.

Natural gas

Dry gas produced at Aramco’s gas plants and sold within the Kingdom.

Net chemicals production capacity

Aramco’s equity share of its gross chemicals production capacity, calculated by multiplying the gross chemicals production capacity of each facility in which Aramco has an interest by Aramco’s percentage equity ownership in the entity that owns the facility.

Net refining capacity

Aramco’s equity share of its gross refining capacity, calculated by multiplying the gross refining capacity of each refinery in which Aramco has an interest by Aramco’s percentage equity ownership in the entity that owns the refinery.

NGL

Natural gas liquids, which are liquid or liquefied hydrocarbons produced in the manufacture, purification and stabilization of natural gas. For purposes of reserves, ethane is included in NGL. For purposes of production, ethane is reported separately and excluded from NGL.

Production costs

The sum of operating costs and depreciation, reflecting both the erosion of asset value over time on an accounting basis and the cost of operating the business.

Proved reserves

Those quantities of liquids and gas, which, by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be economically producible — from a given date forward, from known reservoirs, and under existing economic conditions, operating methods and government regulations — prior to the time at which contracts providing the right to operate expire, unless evidence indicates that renewal is reasonably certain, regardless of whether deterministic or probabilistic methods are used for the estimation. The project to extract the hydrocarbons must have commenced or the operator must be reasonably certain that it will commence the project within a reasonable time.

Reliability

Total products volume shipped/ delivered within 24 hours of the scheduled time, divided by the total products volume committed. Any delays caused by factors that are under the Company’s control (e.g. terminal, pipeline, stabilization, or production) negatively affect the score, whereas delays caused by conditions that are beyond the Company’s control, such as adverse weather, are not considered. A score of less than 100 percent indicates there were issues that negatively impacted reliability.

Reserves life

Calculated on a barrel of oil equivalent basis by dividing proved reserves as at a given year-end by production for that year.

Scope 1 GHG emissions

Direct emissions, which include GHG emissions from onsite fuel combustion, flaring, venting and fugitive emissions.

Scope 2 GHG emissions

Indirect emissions, which account for GHG emissions from offsite power generation including electricity and steam.

Tier 1 process safety event

An unplanned or uncontrolled release of any material, including nontoxic and nonflammable materials, from a process that results in one or more of the consequences listed in API Recommended Practice-754.

Total recordable case (TRC) frequency

Sum of recordable cases that occurred in the workplace per 200,000 work hours.

Unconventional oil and gas

Term refers to the oil and gas resources which cannot be explored, developed and produced by conventional processes just in using the natural pressure of the wells and pumping or compression operations.

Glossary

Affiliate

Except with respect to financial information, the term Affiliate means a person who controls another person or is controlled by that other person, or who is under common control with that person by a third person. In any of the preceding, control could be direct or indirect.

With respect to financial information, the term Affiliate means the Company's subsidiaries, joint arrangements and associates, each as defined by IFRS.

AGM

Ordinary Annual General Assembly meeting.

AGOC

Aramco Gulf Operations Company Ltd.

AGPC

Aramco Gas Pipelines Company.

API

The American Petroleum Institute, which is the major United States trade association for the oil and gas industry.

Aramco Digital

Aramco's global digital integrated solutions company.

ARLANXEO

ARLANXEO Holding B.V., a wholly-owned specialty chemicals subsidiary.

Associate

With respect to financial information, the term Associate, as defined by IFRS, means an entity over which the Company has significant influence but not control, generally reflected by a shareholding of between 20% and 50% of the voting rights. Significant influence is the power to participate in the financial and operating policy decisions of the investee but is not control or joint control over those policies.

ATC

Aramco Trading Company, a wholly-owned subsidiary of Aramco.

Auditor

PricewaterhouseCoopers Public Accountants, the independent external auditor of Aramco.

Blended Price

Pursuant to Council of Ministers Resolution No. 370, dated 10/7/1439H (corresponding to March 27, 2018) and the Ministerial Resolution issued by the Ministry of Energy, in agreement with the Ministry of Finance, No. 01-5928-1439, dated as at 27/8/1439H (corresponding to May 13, 2018), effective March 17, 2018, the Kingdom established the price due to licensees for the domestic sale of Regulated Gas Products.

Board

The Board of Directors of the Company.

Bylaws

The Bylaws of the Company, approved by Council of Ministers Resolution No. 180 dated 1/4/1439H (corresponding to December 19, 2017), which came into effect on January 1, 2018. As amended on 15/11/1443H (corresponding to May 22, 2022).

Capital Market Law

The Capital Market Law, pursuant to Royal Decree No. (M/30) dated 2/6/1424H (corresponding to July 31, 2003), as amended.

Circular carbon economy

A circular carbon economy is a framework for managing and reducing emissions. It is a closed loop system involving 4Rs: reduce, reuse, recycle, and remove.

CMA

The Capital Market Authority, including, where the context permits, any committee, sub-committee, employee or agent to whom any function of the CMA may be delegated.

Companies Law

The Companies Law, issued under Royal Decree No. M/132, dated 1/12/1443H (corresponding to July 1, 2022) which came into effect on January 19, 2023, as amended.

Company

Saudi Arabian Oil Company (The Company).

Concession

As defined in Section 6: Additional financial and legal information — Material agreements — The Concession.

Concession Amendment

As defined in Section 6: Additional financial and legal information — Material agreements — The Concession.

Concession Area

The territorial lands and maritime areas of the Kingdom except in the Excluded Areas.

Concession Effective Date

As defined in Section 6: Additional financial and legal information — Material agreements — The Concession.

Control

Except with respect to financial information, the term "Control" means the ability to influence the actions or decisions of another person through, whether directly or indirectly, alone or with a relative or affiliate (a) holding 30% or more of the voting rights in a company, or (b) having the right to appoint 30% or more of the Board of a company; "controller" shall be construed accordingly.

With respect to financial information, the term "Control" is defined by IFRS: The Company controls an entity when it is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity.

Corporate Governance Regulations

The Corporate Governance Regulations issued pursuant to the CMA Board Resolution No. 8-16-2017, dated 16/5/1438H (corresponding to February 13, 2017), as amended.

Council of Ministers

A regulatory body presided over by HRH the Crown Prince, except when the Custodian of the Two Holy Mosques, the King is in attendance.

COVID-19

The coronavirus disease identified in 2019.

D&M

DeGolyer & MacNaughton, Aramco's independent petroleum consultant.

Decarbonization

The process of reducing CO₂ (GHG) emissions from the Company's operations.

Domestic

Refers to the Kingdom of Saudi Arabia.

Domestic Gas Price

Certain prices for the domestic sale of gas hydrocarbons including those for Regulated Gas Products.

EBIT

Earnings (losses) before interest, income taxes and zakat.

EBITDA

Earnings (losses) before interest, income taxes and zakat, depreciation and amortization.

EGM

Extraordinary General Assembly meeting.

ERM

Enterprise risk management.

ESG

Environmental, social and governance.

Excluded Areas

The limited area excluded from Aramco's rights under the Concession, consisting of: (a) the boundaries of the Holy Mosques in Makkah Al-Mukarramah and Madinah Al-Munawwarah, (b) the partitioned territory and its adjoining offshore areas in accordance with the agreements between the Kingdom and the State of Kuwait and (c) the common zone in the Red Sea in accordance with the agreement between the Kingdom and the Republic of Sudan.

FREP

Fujian Refining & Petrochemical Company Limited, a joint venture established among Saudi Aramco Asia Company Ltd., Fujian Petrochemical Company Ltd. (itself a joint venture between Sinopec and the Fujian, China provincial government) and ExxonMobil China Petroleum & Petrochemical Company Ltd.

FSIA

U.S. Foreign Sovereign Immunity Act.

GCC

The Cooperation Council for the Arab States of the Gulf, consisting of the member states of the Kingdom of Bahrain, State of Kuwait, Sultanate of Oman, State of Qatar, Kingdom of Saudi Arabia and United Arab Emirates.

GDP

Gross domestic product. The broadest quantitative measure of a nation's total economic activity, representing the monetary value of all goods and services produced within a nation's geographic borders over a specified period of time.

General Assembly

Any Ordinary General Assembly or Extraordinary General Assembly.

GMTN program

On April 1, 2019, the Company established a global medium-term note program pursuant to which it may from time to time issue notes.

Government

The Government of the Kingdom (and "Governmental" shall be interpreted accordingly).

GSPR

The Law of Gas Supplies and Pricing enacted by Royal Decree No. M/36, dated 25/6/1424H (corresponding to August 23, 2003), as amended.

H

Hijri calendar.

HSE

Health, safety and environment.

HSSE

Health, safety, security, and environment.

Hydrocarbons Law

Law governing hydrocarbons, hydrocarbon resources, and hydrocarbon operations existing within the territory of the Kingdom, enacted by Royal Decree No. M/37, dated 2/4/1439H (corresponding to December 20, 2017), as amended.

IAS

International Accounting Standard(s).

IASB

International Accounting Standards Board.

IFRS

International Financial Reporting Standard(s) that are endorsed in the Kingdom and other standards and pronouncements endorsed by SOCPA.

iktva

In-Kingdom Total Value Add.

Income Tax Law/Tax Law

Income Tax Law issued under Royal Decree No. M/1 dated 15/1/1425H (corresponding to March 6, 2004) and its Implementing Regulations issued under Ministerial Resolution No. 1535 dated 11/6/1425H (corresponding to August 11, 2004), as amended from time to time.

IOCs

International oil companies.

IPO

Initial public offering.

ISO

International Organization for Standardization.

ISCC

International Sustainability & Carbon Certification.

Joint arrangement

The term joint arrangement, as defined by IFRS, refers to either a joint operation or a joint venture.

Joint operation

The term joint operation, as defined by IFRS, means a type of joint arrangement whereby the parties that have joint control of the agreement have rights to the assets and obligations for the liabilities relating to the arrangement.

Joint venture

The term joint venture, as defined by IFRS, means a type of joint arrangement whereby the parties that have joint control of the arrangement have rights to the net assets of the joint arrangement.

KAUST

King Abdullah University of Science and Technology.

KFUPM

King Fahd University of Petroleum and Minerals.

Kingdom

Kingdom of Saudi Arabia.

KPIs

Key Performance Indicators.

LTI

Lost time injuries/illness.

Luberef

Saudi Aramco Base Oil Company, a Saudi listed joint stock company and a subsidiary of Saudi Aramco.

MEIM

The Ministry of Energy, Industry and Mineral Resources of the Kingdom. Predecessor to the Ministry of Energy.

MENA

Middle East and North Africa.

Master Gas System (MGS)

An extensive network of pipelines that connects Aramco's key gas production and processing sites throughout the Kingdom.

Marafiq

Power and Water Utility Company for Jubail and Yanbu.

Ministry of Energy

Ministry of Energy of the Kingdom. Successor to MEIM.

Ministry of Finance

Ministry of Finance of the Kingdom.

Ministry of Human Resources and Social Development

Ministry of Human Resources and Social Development of the Kingdom, formerly the Ministry of Labor and Social Development.

Ministry of Industry and Mineral Resources

The Ministry of Industry and Mineral Resources of the Kingdom.

Motiva

Motiva Enterprises LLC.

Namaat

Aramco's industrial investment program.

OPEC

Organization of the Petroleum Exporting Countries.

Operationally controlled entities

Includes SASREF, Motiva, ARLANXEO, Aramco Trading Company, Aramco Overseas Company, Aramco Services Company, Saudi Aramco Asia Company Ltd.

Original Concession

As defined in Section 6: Additional financial and legal information — Material agreements — The Concession.

Paris Agreement

The United Nations Framework Convention on Climate Change Paris Agreement.

PETRONAS

Petroliaam Nasional Bhd.

Petro Rabigh

Rabigh Refining and Petrochemical Company, a venture established by Aramco and Sumitomo Chemical Co. Ltd. in 2005, which is a publicly traded company listed on Saudi Exchange (The Exchange).

PIF

Public Investment Fund of Saudi Arabia.

PKN ORLEN

Polski Koncern Naftowy ORLEN S.A.

PRefChem

PRefChem Petrochemical and PRefChem Refining.

PRefChem Petrochemical

Pengerang Petrochemical Company Sdn. Bhd.

PRefChem Refining

Pengerang Refining Company Sdn. Bhd.

Price equalization

Prices are established separately by the Ministry of Energy for each relevant product using a combination of either internationally recognized indices or, where relevant, the Company's official selling price and, depending on the relevant product, on the basis of export parity, import parity or a combination of both.

R&D

Research and development.

Regulated Gas Products

Gas hydrocarbons which are subject to the Kingdom's gas pricing regime, including natural gas, ethane and NGL (propane, butane and natural gasoline).

Relatives

The term relatives, as defined under the Corporate Governance Regulations, refers to:

- I. Fathers, mothers, grandfathers and grandmothers (and their ancestors);
- II. Children and grandchildren and their descendants;
- III. Siblings, maternal and paternal half-siblings; and
- IV. Husbands and wives.

Reserved Areas

The areas reserved for Aramco's operations within the Concession Area.

ROACE

Return on average capital employed.

Rules on the Offer of Securities and Continuing Obligations (OSCO Rules)

As issued by the Board of the CMA pursuant to CMA Board Resolution No. 3-123-2017 dated 9/4/1439H (corresponding to December 27, 2017) based on the Capital Market Law, as amended.

SABIC

Saudi Basic Industries Corporation.

Sadara

Sadara Chemical Company, a joint venture established by Aramco and Dow Chemical Company in 2011.

SASREF

Saudi Aramco Jubail Refinery Company, a subsidiary of Aramco, formerly known as Saudi Aramco Shell Refinery Company.

SATORP

Saudi Aramco Total Refining and Petrochemical Company, a joint venture established by Aramco and Total Refining Saudi Arabia SAS in 2008.

Saudi Aramco/Aramco

Saudi Arabian Oil Company, together with its consolidated subsidiaries, and where the context requires, its joint operations, joint ventures and associates.

Any reference to "us", "we" or "our" refers to Aramco except where otherwise stated.

Unless otherwise stated, the text does not distinguish between the activities and operations of the Company and those of its subsidiaries.

Saudi Green Initiative (SGI)

A national initiative that unites environmental protection, energy transition, and sustainability programs with the overarching aim of offsetting and reducing emissions, increasing the Kingdom's use of clean energy, and addressing climate change.

Senior Executives/Management Committee

The members of the Senior Management of Aramco holding the title of President, CEO, or Executive Vice President.

Senior Management

The Senior Management and other officers of Aramco who, while subordinate to the Senior Executives, are still involved in the management of Aramco and participate in driving its strategies, decisions or operations.

Senior Unsecured Notes

Senior Unsecured Notes under the GMTN Program.

Shareek program

A cooperative Government program that is designed to provide support via various pillars including financial, monetary, operational and regulatory cooperation and asset investment, aiming to enhance the development and resilience of the Saudi economy by increasing the gross domestic product, providing job opportunities, diversifying the economy and strengthening cooperation between public and private sectors.

Shareholder

Any holder of shares.

Shari'a

The Islamic law.

Sinopec

China Petroleum & Chemical Corporation.

SOCPA

Saudi Organization for Chartered and Professional Accountants.

S-OIL

S-Oil Corporation.

SPE-PRMS

Society of Petroleum Engineers — Petroleum Resources Management System.

SSC

Sustainability Steering Committee.

Stellar

Stellar Insurance Ltd.

Subsidiaries

Except with respect to financial information, the term subsidiaries mean the companies that Aramco controls through its ability to influence the actions or decisions of another person through, whether directly or indirectly, alone or with a relative or affiliate (i) holding 30% or more of the voting rights in a company or (ii) having the right to appoint 30% or more of the Board of a company.

With respect to financial information, the term subsidiaries is defined by IFRS, meaning entities over which the Company has controls.

Sukuk

A sukuk is a financial instrument similar to a bond that complies with Shari'a principles.

Sumed Company

The Arab Petroleum Pipelines Company.

Sumitomo

Sumitomo Chemical Co. Ltd.

Saudi Exchange

The Saudi Exchange, the sole entity authorized in the Kingdom to act as a securities exchange.

Taleed

Aramco's program which aims to accelerate the growth of Small and Medium Enterprises (SMEs) in Saudi Arabia.

The Energy Supplies Law

The Energy Supplies Law issued by Royal Decree No. (M/80) dated 4/6/1444 (corresponding to December 28, 2022) and published in the official gazette on January 6, 2023, shall replace the Gas Supply and Pricing Law. The Law shall enter into effect sixty days after the date of its publication.

TotalEnergies

TotalEnergies SE.

U.S./United States/USA

United States of America.

YASREF

Yanbu Aramco Sinopec Refinery Company Limited, a joint venture established by Aramco and Sinopec Century Bright Capital Investment (Amsterdam) B.V. in 2010.

ZATCA

The Saudi Arabian Zakat, Tax and Customs Authority.