

J.P. MORGAN STRUCTURED PRODUCTS B.V.
Amsterdam, the Netherlands

(Chamber of Commerce Number: 34259454)

Annual report for the year ended 31 December 2020

J.P. MORGAN STRUCTURED PRODUCTS B.V.
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J.P. MORGAN STRUCTURED PRODUCTS B.V.

Directors' report

The directors present their report and the audited financial statements of J.P. Morgan Structured Products B.V. (the "Company") for the year ended 31 December 2020.

Principal activity

The Company's primary activity is the management and issuance of structured products comprising certificates, warrants and market participation notes, and the subsequent economic hedging ("hedge", "hedging") of these positions.

Review of business

During the year, the Company continued to issue structured products. The proceeds from the sale of the structured products were used to fund the activities of other JPMorgan Chase & Co. (together with its subsidiaries "Firm" or "JPMorgan Chase") undertakings through certain economic hedging arrangements. The principal purpose of these hedging arrangements is to hedge against various risks associated with the issuance activity. In 2020, the Company issued structured products to private investors or listed on exchanges in the Asia Pacific region, Europe, the Middle East, Africa, Latin America and the United States of America.

The Company's ultimate controlling entity is JPMorgan Chase & Co.

Key performance indicators ("KPIs")

As the Company is managed as part of the Corporate Investment Bank of JPMorgan Chase there are no KPIs that are specific to the Company. The results are monitored against expectations of the business activities. A more detailed description of the Firm's key performance indicators may be found within the JPMorgan Chase & Co. 2020 Annual Report.

Business environment, strategy and future outlook

The primary objective of the Company is the continued development of structured products to be offered and sold to retail, 'high net worth' and institutional investors principally outside of the United States of America, linked to a range of underlying reference assets including equity, credit, interest rates, commodities and 'alternatives' such as funds and hedge funds.

The Firm continues to assess fallback language within contractual documentation of JPM issued structured products. The Firm is monitoring Official Sector guidance on potential use of "synthetic" LIBOR for legacy products and the development of legislative safe harbours in the US. The current assumption is that the majority of these products will fall under the tough legacy classification and as such will be in scope for remediation via proposed Official Sector remediation methods.

COVID-19

The Company continues to monitor the Coronavirus Disease 2019 ("COVID-19"), based on the guidance being provided by the relevant health and government authorities, and continues to implement protocols and processes in response to the spread of the virus. For more detail on Firmwide measures refer to risk management below and financial risk management (page 26-28). The Company has not experienced a significant reduction in its capital and liquidity positions during the year as a result of COVID-19.

Principal risks and uncertainties

The Company's issuance activities expose it to financial and operational risks, which are managed by the Board of Directors, using the Firm's risk management framework. The Board of Directors monitors the Company's financial and operational risks and has responsibility for ensuring effective risk management and control.

Risk Management

The following sections outline the key risks that are inherent in the Company's business activities.

A detailed description of the policies and processes adopted by the Firm may be found within the JPMorgan Chase 2020 Annual Report on Form 10-K. The report is available at <https://jpmorganchaseco.gcs-web.com/financial-information/sec-filings>.

Operational risk

Operational risk is the risk of an adverse outcome resulting from inadequate or failed internal processes or systems; human factors; or external events impacting the Firm's processes or systems; Operational Risk includes compliance risk, conduct risk, legal risk and estimations and model risk.

Operational risk is inherent in the Company's activities and can manifest itself in various ways, including fraudulent acts, business interruptions, cybersecurity attacks, inappropriate employee behaviour, failure to comply with applicable laws, and regulations or failure of vendors to perform in accordance with their agreements. Operational Risk Management attempts to manage operational risk at appropriate levels in light of the Company's financial position, the characteristics of its businesses, and the markets and regulatory environments in which it operates.

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Directors' report (continued)

Risk management (continued)

Operational risk (continued)

Operational Risk Management Framework

The Firm's Compliance, Conduct, and Operational Risk ("CCOR") Management Framework is designed to enable the Firm to govern, identify, measure, monitor and test, manage and report on the Firm's operational risk. The Company leverages the Firm's CCOR framework.

Operational risk can manifest itself in various ways. Operational risk subcategories such as Compliance risk, Conduct risk, Legal risk and Estimations and Model risk, as well as other operational risks, can lead to losses which are captured through the Firm's operational risk measurement processes. More information on these risk subcategories, where relevant, can be found in the respective risk management sections.

Cybersecurity risk

Cybersecurity risk is the risk of the Firm's exposure to harm or loss resulting from misuse or abuse of technology by malicious actors. Cybersecurity risk is an important and continuously evolving focus for the Firm and Company. Significant resources are devoted to protecting and enhancing the security of the Firm and Company's computer systems, software, networks and other technology assets. The Firm's security efforts are designed to protect against, among other things, cybersecurity attacks by unauthorised parties attempting to obtain access to confidential information, destroy data, disrupt or degrade service, sabotage systems or cause other damage. Ongoing business expansions may expose the Firm to potential new threats as well as expanded regulatory scrutiny including the introduction of new cybersecurity requirements. The Firm continues to make significant investments in enhancing its cyberdefense capabilities and to strengthen its partnerships with the appropriate government and law enforcement agencies and other businesses in order to understand the full spectrum of cybersecurity risks in the operating environment, enhance defenses and improve resiliency against cybersecurity threats. The Firm actively participates in discussions of cybersecurity risks with law enforcement, government officials, peer and industry groups, and has significantly increased efforts to educate employees and certain clients on the topic of cybersecurity risks.

Third parties with which the Firm does business or that facilitate the Firm's business activities (e.g. vendors, supply chain, exchanges, clearing houses, central depositories, and financial intermediaries) are also sources of cybersecurity risk to the Firm. Third party cybersecurity incidents such as system breakdowns or failures, misconduct by the employees of such parties, or cyberattacks could affect their ability to deliver a product or service to the Firm or result in lost or compromised information of the Firm or its clients. Clients are also sources of cybersecurity risk to the Firm, particularly when their activities and systems are beyond the Firm's own security and control systems. As a result, the Firm engages in regular and ongoing discussions with certain vendors and clients regarding cybersecurity risks and opportunities to improve security. However, where cybersecurity incidents occur as a result of client failures to maintain the security of their own systems and processes, clients are responsible for losses incurred.

To protect the confidentiality, integrity and availability of the Firm's infrastructure, resources and information, the Firm maintains a cybersecurity program designed to prevent, detect, and respond to cyberattacks. The Audit Committee is updated periodically on the Firm's Information Security Program, recommended changes, cybersecurity policies and practices, ongoing efforts to improve security, as well as its efforts regarding significant cybersecurity events.

Business resiliency risk

The Firm continues to monitor the COVID-19 pandemic closely, based on the guidance being provided by the relevant health and government authorities, and continues to implement protocols and processes in response to the spread of the virus. In line with the Firm's own standards and regulatory expectations, the Firm and its UK Senior Managers under the Senior Managers and Certification Regime continue to take reasonable steps to:

- Ensure that we are able to meet our responsibilities to customers and staff and assist with challenges posed to markets due to COVID-19;
- Preserve the safety and soundness of the Firm with particular focus on financial and operational resilience, and;
- Ensure the Firm meets regulatory expectations in relation to our response to COVID-19.

The Firm has organised a central team to continue to consider what steps should be taken around the globe to protect our employees, prepare our businesses, and serve our clients and the communities where we live and work. In addition, teams across functions, businesses and regions continue to meet regularly to understand the global situation and to ensure any emerging developments relating to the well-being of our employees or the resiliency of our businesses are addressed quickly. Our businesses remain fully operational, and management across the Firm continue to monitor key operational metrics.

The strength and proficiency of the Firmwide resiliency programme has played an integral role in maintaining the Firm's business operations during and after various events.

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Directors' report (continued)

Risk management (continued)

Compliance risk

Compliance risk, a subcategory of operational risk, is the risk of failing to comply with laws, rules, regulations or codes of conduct and standards of self-regulatory organisations applicable to the business activities of the Firm and the Company.

Each LOB and Corporate within the Company holds primary ownership and accountability for managing compliance risks. The Firm's Compliance Organisation ("Compliance"), which is independent of the line of business, works closely with senior management to provide independent review, monitoring and oversight of business operations with a focus on compliance with the laws, rules and regulatory obligations applicable to the offering of the Firm's products and services to clients and customers.

These compliance risks relate to a wide variety of legal and regulatory obligations, depending on the LOB and the jurisdiction, and include those related to products and services, relationships and interactions with clients and customers, and employee activities. For example, compliance risks include those associated with anti-money laundering compliance, trading activities, market conduct, and complying with the rules and regulations related to the offering of products and services across jurisdictional borders. Compliance risk is also inherent in the Firm's activities, including a failure to exercise an applicable standard of care, to act in the best interest of clients and customers or to treat clients and customers fairly.

Other functions provide oversight of significant regulatory obligations that are specific to their respective areas of responsibility.

CCOR Management implements policies and standards designed to govern, identify, measure, monitor and test, manage, and report compliance risk.

Governance and oversight

Compliance is led by the Firm's Chief Compliance Officer ("CCO") and Firmwide Risk Executive for Operational Risk who reports to the Firm's CRO. The regional CCOs, including the EMEA CCO, are part of this structure. The Firm maintains oversight and coordination of its compliance risk through the implementation of the CCOR Risk Management Framework. In the UK the EMEA CCO is a member of the EMEA Management Committee and the UK Audit & Compliance Committee.

Code of Conduct

The Firm has a Code of Conduct ("Code") that sets out the Firm's expectation that employees will conduct themselves with integrity at all times and provides the principles that govern employee conduct with clients, customers, shareholders and one another, as well as with the markets and communities in which the Firm does business. The Code requires employees to promptly report any known or suspected violation of the Code, any internal Firm policy, or any law or regulation applicable to the Firm's business. It also requires employees to report any illegal conduct, or conduct that violates the underlying principles of the Code, by any of the Firm's employees, customers, suppliers, contract workers, business partners, or agents.

All newly hired employees are assigned Code training and current employees are periodically assigned Code training on an ongoing basis. Employees are required to affirm their compliance with the Code periodically. Employees can report any potential or actual violations of the Code through the Code Reporting Hotline by phone or the internet. It is administered by an outside service provider. The Code prohibits retaliation against anyone who raises an issue or concern in good faith.

Legal Risk

Legal risk, a subcategory of operational risk, is the risk of loss primarily caused by the actual or alleged failure to meet legal obligations that arise from the rule of law in jurisdictions in which the Firm and the Company operates, agreements with clients and customers, and products and services offered by the Firm and the Company.

Overview

The global Legal function ("Legal") provides legal services and advice to the Company and the Firm. Legal is responsible for managing the Firm's exposure to legal risk by:

Overview (continued)

- Managing actual and potential litigation and enforcement matters, including internal reviews and investigations related to such matters.
- Advising on products and services, including contract negotiation and documentation.
- Advising on offering and marketing documents and new business initiatives.
- Managing dispute resolution.
- Interpreting existing laws, rules and regulations, and advising on changes thereto.
- Advising on advocacy in connection with contemplated and proposed laws, rules and regulations.
- Providing legal advice to the LOBs, Corporate, functions and Board.

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Directors' report (continued)

Risk management (continued)

Legal Risk (continued)

Legal selects, engages and manages outside counsel for the Firm on all matters in which outside counsel is engaged. In addition, Legal advises the Firm's Conflicts Office which reviews the Firm's wholesale transactions that may have the potential to create conflicts of interest for the Firm.

Governance and oversight

The Firm's General Counsel reports to the CEO and is a member of the Operating Committee, the Firmwide Risk Committee and the Firmwide Control Committee. The Firm's General Counsel and other members of Legal report on significant legal matters to the Firm's Board of Directors and to the Audit Committee. Each region, including EMEA, has a General Counsel who is responsible for managing legal risk across all lines of business and functions in the region. Legal serves on and advises various committees and advises the Firm's LOBs and Corporate on potential reputation risk issues.

Reputation risk

Reputation risk is the risk that an action or inaction may negatively impact perception of the Firm's integrity and reduce confidence in the Firm's competence by various constituents, including clients, counterparties, customers, investors, regulators, employees, communities or the broader public. Reputation risk is assessed and defined at the firmwide level and is applicable to the Company.

Organisation and management

Reputation Risk Management establishes the governance framework for managing reputation risk across the Firm. As reputation risk is inherently difficult to identify, manage, and quantify, a reputation risk management function is critical.

The Firm's reputation risk management function includes the following activities:

- Maintaining a Firmwide Reputation Risk Governance policy and standards consistent with the reputation risk Framework.
- Managing the governance infrastructure and processes that support consistent identification, escalation, management and monitoring of reputation risk issues Firmwide.
- Providing guidance to LOB Reputation Risk Offices ("RRO"), as appropriate

The types of events that give rise to reputation risk are wide-ranging and could be introduced in various ways, including by the Firm's employees and the clients, customers and counterparties the Firm does business with. These events could result in financial losses, litigation and regulatory fines, as well as other damages to the Firm.

Governance and oversight

The Reputation Risk Governance policy establishes the principles for managing reputation risk for the Firm. It is the responsibility of employees in each LOB and Corporate to consider the reputation of the Firm when deciding whether to offer a new product, engage in a transaction or client relationship, enter a new jurisdiction, initiate a business process or other matters. Sustainability, social responsibility and environmental impacts are important considerations in assessing the Firm's reputation risk, and are a component of the Firm's reputation risk governance.

Reputation risk issues deemed material are escalated as appropriate.

Financial Risks

Further details on the financial risks of the Company are set out in note 19 to the financial statements.

Results and dividends

The results for the year are set out on page 8 and show the Company's profit for the financial year after taxation is \$22.3 million (2019: \$22.6 million).

No dividend was paid or proposed during the year (2019: nil).

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Directors' report (continued)

Directors

The directors of the Company who served during the year and up to the date of signing the financial statements were as follows:

J.C.P. van Uffelen	(Appointed 6 March 2007)
W.H. Kamphuijs	(Appointed 1 September 2014)
N. Dargan	(Appointed 29 July 2019)
M.F.C van der Werff	(Appointed 20 March 2018)
S. E. Cheah	(Appointed 13 December 2018)

Composition of the Board

The size and composition of the Board of Directors and the combined experience and expertise should reflect the best fit for the profile and strategy of the Company. Gender diversity was below the goals as set out in article 2:276 section 2 of the Dutch Civil Code, however with effect from 20 March 2018, the Company complies with the gender diversity goals.

Creditor payment policy

All invoices from suppliers were settled on the Company's behalf by an affiliated JPMorgan Chase company, JPMorgan Chase Bank, N.A until February 2020.

These invoices are now settled by the Company. It is the policy of the Company to pay invoices upon presentation, except where other arrangements have been negotiated with the supplier, and to abide by the terms of payment, provided the supplier performs according to the terms of the contract.

Registered address

Herikerbergweg 238
Luna ArenA, 1101CM
Amsterdam

Expected developments of the Company

The directors of the Company expect that:

- a) the Company will continue to issue structured products;
- b) the Company will not enter into fixed asset investments; and
- c) interest income will continue to fluctuate in line with the development in market interest rates.

Statement under the Transparency Directive (as implemented in Dutch law)

The directors confirm to the best of their knowledge that:

- a) the attached financial statements are prepared in accordance with International Financial Reporting Standards ("IFRS") as endorsed by the European Union and give a true and fair view of the assets, liabilities, financial position and profit of the Company for the year ended 31 December 2020, and
- b) the annual report for the year ended 31 December 2020, consisting of the directors' report and the financial statements, gives a true and fair view of the position as per the balance sheet date 31 December 2020.

The directors further herewith report their arrangements for an audit committee (the "Audit Committee") as follows:

Audit Committee

The Company makes use of the exemption to the requirement to establish its own Audit Committee based on Article 3a of the Royal Decree of 26 July 2008 implementing article 41 of the EU Directive 2006/43EG, as the Audit Committee of JPMorgan Chase & Co. fulfils the requirements at group level. The Audit Committee of JPMorgan Chase & Co., which covers the Firm, including the Company and is formed of entirely non-management, independent directors in compliance with the recommendations from the EU Commission. Details of the Charter, Membership, Duties and Responsibilities can be found on the Firm's website.

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Directors' report (continued)

Independent auditors

In accordance with mandatory audit firm rotation rules required by Dutch Law, for the year ended 31 December 2021 the current auditors, Mazars Accountants N.V. will be rotated off the audit of the Company. The directors are in progress of appointing new auditors, the appointment of which will be proposed at the annual general meeting.

The financial statements on pages 7 to 30 were approved by the Board of Directors on 13 April 2021 and signed on its behalf by:

Board of Directors

S.E. Cheah

W.H. Kamphuijs

J.C.P. van Uffelen

M.F.C van der Werff

N. Dargan

Date: 13 April 2021

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Balance sheet

31 December		2020	2019
	Notes	\$'000	\$'000
Assets			
Non-current assets			
Trade and other receivables	8	1,800,000	4,400,000
Current assets			
Financial assets held at fair value through profit and loss	7	29,709,550	26,848,043
Trade and other receivables	8	172,438	293,895
Cash and cash equivalents	9	5,965,558	4,301,180
Total assets		37,647,546	35,843,118
Liabilities			
Current liabilities			
Financial liabilities designated at fair value through profit or loss	10	22,263,301	22,908,559
Financial liabilities held at fair value through profit and loss	11	7,446,249	3,939,485
Trade and other payables	13	7,317,125	8,363,871
Current tax liability		7,354	7,726
Bank overdraft	9	28,357	60,607
Total liabilities		37,062,386	35,280,248
Equity			
Capital and reserves attributable to equity shareholders of the Company			
Share capital	14	26	26
Share premium reserve		499,997	499,997
Legal reserve		2	2
Retained earnings		85,135	62,845
Total equity		585,160	562,870
Total liabilities and equity		37,647,546	35,843,118

Chamber of Commerce Number: 34259454

The notes on pages 11 - 30 form an integral part of the financial statements.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Income statement

Year ended 31 December		2020	2019
	Notes	\$'000	\$'000
Fee and commission income	15	21,797	12,079
Fee and commission expense	15	(2,385)	(5,809)
Administrative expenses		(19,276)	(6,065)
Net foreign exchange loss		(675)	(13)
Operating (loss)/profit	15	(539)	192
Interest income	17	63,684	189,518
Interest expense	17	(33,372)	(159,638)
Net interest income		30,312	29,880
Profit before income tax		29,773	30,072
Income tax expense	18	(7,483)	(7,484)
Profit for the year attributable to equity shareholders of the Company		22,290	22,588

The profit for the year resulted from continuing operations.

Statement of comprehensive income

There were no other items of comprehensive income or expense other than the profit for the financial year shown above (2019: \$nil). As a result, profit for the financial year represents total comprehensive income in both the current and prior financial year.

The notes on pages 11 - 30 form an integral part of the financial statements.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Statement of changes in equity

	Share capital	Share premium reserve	Legal reserve	Retained earnings	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
Balance as at 1 January 2020	26	499,997	2	62,845	562,870
Profit for the financial year	—	—	—	22,290	22,290
Balance as at 31 December 2020	26	499,997	2	85,135	585,160
Balance as at 1 January 2019	26	499,997	2	40,257	540,282
Profit for the financial year	—	—	—	22,588	22,588
Balance as at 31 December 2019	26	499,997	2	62,845	562,870

The notes on pages 11 - 30 form an integral part of the financial statements.

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Statement of cash flows

Year ended 31 December		2020	2019
	Notes	\$'000	\$'000
Cash flow from operating activities			
Profit before income tax		29,773	30,072
Income tax paid		(7,855)	(809)
Interest received	17	(63,684)	(189,518)
Interest paid	17	33,372	159,638
Net foreign exchange loss		675	13
		(7,719)	(604)
Changes in working capital			
(Increase) in financial assets held at fair value through profit or loss		(2,861,507)	(6,256,088)
Decrease/ (increase) in trade and other receivables		120,781	(170,929)
Increase in financial liabilities held at fair value through profit or loss		3,506,765	768,402
(Decrease)/increase in financial liabilities designated at fair value through profit or loss		(645,258)	5,487,687
(Decrease)/increase in trade and other payables		(114,379)	47,239
		6,402	(123,689)
Net cash generated from operating activities		(1,317)	(124,293)
Cash flow generated from investing activities			
Movement in amounts owed by JPMorgan Chase undertakings		2,600,000	(1,100,000)
Interest received	17	63,684	189,518
Net cash generated from investing activities		2,663,684	(910,482)
Cash flow from financing activities			
Movement in amounts owed to JPMorgan Chase undertakings		(932,367)	2,651,995
Interest paid	17	(33,372)	(159,638)
Net cash used in financing activities		(965,739)	2,492,357
Net increase in cash and cash equivalents		1,696,628	1,457,582
Net cash and cash equivalents at the beginning of the year		4,240,573	2,782,991
Net cash and cash equivalents at the end of the year	9	5,937,201	4,240,573

The notes on pages 11 - 30 form an integral part of the financial statements.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements

1. General information

J.P. Morgan Structured Products B.V. (the "Company") was incorporated on 6 November 2006 as a private company with limited liability and is incorporated and domiciled in The Netherlands, with registration number 34259454. The address of the registered office is at Herikerbergweg 238, Luna ArenA, 1101CM, Amsterdam, The Netherlands. The Company's immediate parent undertaking is J.P. Morgan International Finance Limited which is incorporated in the state of Delaware in the United States of America. The Company's ultimate parent undertaking of the largest group in which the results of the Company are consolidated is J.P. Morgan Chase & Co. (together with its subsidiaries, the "Firm" or "JPMorgan Chase"), which is also incorporated in the state of Delaware in the United States of America. The parent undertaking of the smallest group in which the Company's results are consolidated is J.P. Morgan International Finance Limited. The largest and the smallest group's consolidated financial statements can be obtained from 25 Bank Street, Canary Wharf, London E14 5JP, England.

The Company's main activity is the issuance of structured products comprising certificates, warrants and market participation notes, and the subsequent economic hedging ("hedge", "hedging") of the risk associated with these notes through hedging with other JPMorgan Chase companies. The valuation of a structured product will have no impact on the income statement, capital or net assets; as a change in valuation of a structured product will have an equal offsetting change in the value of the hedging transaction with other JPMorgan Chase undertakings.

These financial statements reflect the operations of the Company during the year from 1 January 2020 to 31 December 2020 and have been approved for issue by the Board of Directors on 13 April 2021.

2. Accounting convention

The financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRS") as endorsed by the European Union and prepared in accordance with Book 2, Title 9 of the Dutch Civil Code. Where necessary guidance provided by the International Financial Reporting Standards Interpretations Committee ("IFRC IC") has been followed. The financial statements have been prepared on a going concern basis under the historical cost convention, except that financial instruments are stated at fair value.

The preparation of financial statements in conformity with IFRS requires the use of certain critical accounting estimates. It also requires management to exercise its judgement in the process of applying the Company's accounting policies. The areas involving a higher degree of judgement or complexity, or areas where assumptions and estimates are significant to the financial statements are disclosed in note 5.

Restatement of prior year amounts have been made to conform with current year presentation and to correctly reflect the nature of the balances so as to provide additional transparency and information in these financial statements.

3.1 Standards adopted during the year ended 31 December 2020

The following amendments to standards have been adopted by the Company effective 1 January 2020:

- Definition of material - Amendments to IAS 1 and IAS 8
- Definition of a business - Amendments to IFRS 3
- Interest rate Benchmark Reform Phase I - Amendments to IFRS9, IAS 39 and IFRS7
- Amendments to References to Conceptual Framework in IFRS Standards

The adoption of these amendments did not have any impact on the amounts recognised in prior periods and does not materially affect the current or future periods.

3.2 New standards, guidance and amendments not yet adopted

Interest rate benchmark reform Phase 2 - amendments to IFRS 9, IAS 39, IFRS 7

The amendments address issues that might affect financial reporting as a result of the reform of an interest rate benchmark, including the effects of changes to contractual cash flows arising from the replacement of an interest rate benchmark with an alternative benchmark rate. The amendments provide practical relief from certain requirements in IFRS 9, IAS 39, and IFRS 7 relating to changes in the basis for determining contractual cash flows of financial assets, financial liabilities and lease liabilities.

The amendments will require an entity to account for a change in the basis for determining the contractual cash flows of a financial asset or financial liability that is required by interest rate benchmark reform by updating the effective interest rate of the financial asset or financial liability. The Company does not expect material gains or losses will arise as a result of applying the amendments to these changes. The Company does not apply hedge accounting, hence, the amendments related to hedge accounting requirements are not applicable to the Company. Additionally, the Company is required to disclose additional information about its exposure to risks arising from interest rate benchmark reform and related risk management activities.

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Notes to the financial statements (continued)

3.2 New standards, guidance and amendments not yet adopted (continued)

Interest rate benchmark reform Phase 2 - amendments to IFRS 9, IAS 39, IFRS 7 (continued)

The Company plans to apply the amendments from 1 January 2021, and does not expect the application of these amendments to materially impact amounts reported for 2020 or prior periods. No other new standards, interpretations and amendments not yet adopted are expected to have a material effect on the company's future financial statements.

4. Summary of significant accounting policies

The following are the principal accounting policies applied in the preparation of these financial statements. These policies have been applied consistently to all the years presented, unless otherwise stated.

4.1 Functional and presentation currency

Items included in the financial statements of the Company are measured using the currency of the primary economic environment in which the entity operates (the "functional currency").

United States ("U.S.") dollars is considered as the functional and presentation currency of the Company.

4.2 Foreign currency translation

Monetary assets and monetary liabilities in foreign currencies are translated into United States U.S. dollars at rates of exchange ruling on the balance sheet date. Income and expense items denominated in foreign currencies are translated into U.S. dollars at exchange rates prevailing at the date of the transactions. Any gains or losses arising on translation are taken directly to the income statement.

Non-monetary items denominated in foreign currencies that are stated at historical cost are translated into U.S. dollars at the exchange rate ruling at the date when the transaction was initially recognised.

4.3 Financial instruments

4.3.1 Financial assets and financial liabilities

i. Recognition of financial assets and financial liabilities

The Company recognises financial assets and financial liabilities when it becomes a party to the contractual provisions of the instrument. Regular way purchases and sales of financial assets are recognised on the trade-date, which is the date on which the Company commits to purchase or sell an asset.

ii. Classification and measurement of financial assets and financial liabilities

On initial recognition, financial assets are measured at fair value. Subsequently, financial assets are classified and measured at amortised cost, fair value through other comprehensive income ("FVOCI") or fair value through profit or loss ("FVTPL"). The classification is based on both the business model for managing the financial assets and their contractual cash flow characteristics. Factors considered by the Company in determining the business model for a group of assets include past experience on how the cash flows for these assets were collected, how the assets' performance is evaluated and reported to key management personnel, how risks are assessed and managed, and how managers are compensated.

On initial recognition, financial liabilities are classified as measured at either amortised cost or FVTPL.

iii. Financial assets and financial liabilities measured at amortised cost

Financial assets are measured at amortised cost if they are held under a business model with the objective to collect contractual cash flows ("Hold to Collect") and they have contractual terms under which cash flows are solely payments of principal and interest ("SPPI"). In making the SPPI assessment, the Company considers whether the contractual cash flows are consistent with a basic lending arrangement (i.e. interest includes only consideration for the time value of money, credit risk, other basic lending risks and a profit margin that is consistent with a basic lending arrangement). Where the contractual terms introduce exposure to risk or volatility that are inconsistent with a basic lending arrangement, the related financial asset is classified and measured at FVTPL. Financial assets with embedded derivatives are considered in their entirety when determining whether their cash flows are SPPI. As a result of the application of these criteria, only debt financial assets are eligible to be measured at amortised cost.

Financial assets measured at amortised cost include trade and other receivables and cash and cash equivalents.

Financial liabilities are measured at amortised cost unless they are held for trading or are designated as measured at FVTPL. Financial liabilities measured at amortised cost include trade and other payables and bank overdraft.

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Notes to the financial statements (continued)

4. Summary of significant accounting policies (continued)

4.3 Financial instruments (continued)

4.3.1 Financial assets and financial liabilities (continued)

Financial assets and financial liabilities measured at amortised cost are initially recognised at fair value including transaction costs (which are explained below). The initial amount recognised is subsequently reduced for principal repayments and for accrued interest using the effective interest method (see below). In addition, the carrying amount of financial assets is adjusted by recognising an expected credit loss allowance through the profit or loss.

The effective interest method is used to allocate interest income or interest expense over the relevant period. The effective interest rate is the rate that discounts estimated future cash payments or receipts through the expected life of the financial asset or financial liability or a shorter period when appropriate, to the net carrying amount of the financial asset or financial liability. The effective interest rate is established on initial recognition of the financial asset or financial liability. The calculation of the effective interest rate includes all fees and commissions paid or received, transaction costs, and discounts or premiums that are an integral part of the effective interest rate. Transaction costs are incremental costs that are directly attributable to the acquisition, issuance or disposal of a financial asset or financial liability.

Gains and losses arising on the disposal of financial assets measured at amortised cost are recognised in trading profit or other non-interest revenue as relevant.

iv. Financial assets and financial liabilities measured at fair value through profit or loss

Financial assets and financial liabilities are measured at FVTPL if they are held for trading. Under IFRS 9, a financial asset or a financial liability is defined as “held for trading” if it is acquired or incurred principally for the purpose of selling or repurchasing it in the near term, or forms part of a portfolio of identified financial instruments that are managed together and for which there is evidence of a recent actual pattern of short-term profit taking or it is a derivative. However, such financial instruments are used by the Company predominantly in connection with its client-driven market-making and/or for hedging certain assets, liabilities, positions, cash flows or anticipated transactions (i.e. risk management activities). Financial assets and financial liabilities held for trading comprise both debt and equity securities, loans and derivatives and the related are unrealised gains and losses.

In addition, certain financial assets that are not held for trading are measured at FVTPL if they do not meet the criteria to be measured at amortised cost or FVOCI. For example, if the financial assets are managed on a fair value basis, have contractual cash flows that are not SPPI or are equity securities.

Financial instruments measured at FVTPL are initially recognised at fair value in the balance sheet. Transaction costs and any subsequent fair value gains or losses are recognised in profit or loss as they arise.

The Company manages cash instruments, in the form of debt and equity securities, and derivatives on a unified basis, including hedging relationships between cash securities and derivatives. Accordingly the Firm reports the gains and losses on the cash instruments and the gains and losses on the derivatives on a net basis in trading profits.

v. Financial assets and financial liabilities designated at fair value through profit or loss

Subject to certain criteria, the Company can designate financial assets and financial liabilities to be measured at FVTPL. Designation is only possible when the financial instrument is initially recognised and cannot subsequently be reclassified. Financial assets can be designated as measured at FVTPL only if such designation eliminates or significantly reduces a measurement or recognition inconsistency. Financial liabilities can be designated as measured at FVTPL only if such designation (a) eliminates or significantly reduces a measurement or recognition inconsistency; or (b) applies to a group of financial assets, financial liabilities or both that the Company manages and evaluates on a fair value basis; or (c) relates to an instrument that contains an embedded derivative unless the embedded derivative does not significantly modify the cash flows required by the contract or when a similar hybrid instrument is considered that separation of the embedded derivative is prohibited.

Financial assets and financial liabilities that the Company designates as measured at FVTPL are recognised at fair value at initial recognition, with transaction costs being recognised in profit or loss and subsequently measured at fair value. Gains and losses on financial assets and financial liabilities designated at FVTPL are recognised in profit or loss as they arise.

4.3.2 Interest income and interest expense

Unless a financial asset is credit-impaired, interest income is recognised by applying the effective interest method to the carrying amount of a financial asset before adjusting for any allowance for expected credit losses. If a financial asset is credit-impaired, interest income is recognised by applying the effective interest rate to the carrying amount of the financial asset including any allowance for expected credit losses.

Interest expense on financial liabilities is recognised by applying the effective interest method to the amortised cost of financial liabilities.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

4. Summary of significant accounting policies (continued)

4.3.3 Trading profit

Profits and losses resulting from the purchase and sale of securities and the revaluation of financial instruments are recognised in trading profit on a trade-date basis, including related transaction costs and the associated interest.

4.3.4 Impairment of financial assets

The Company recognises ECL for financial assets that are measured at amortised cost.

The ECL is determined on in-scope financial instruments measured at amortized cost or FVOCI. ECL are measured collectively via a portfolio-based (modelled) approach for Stage 1 and 2 assets but are generally measured individually for Stage 3 assets. ECL are forecasted over the 12-month term (Stage 1) or expected life (Stage 2 or 3) of in-scope financial instruments, where the forecast horizon includes the reasonable and supportable (R&S) forecast period, the reversion period and the residual period and considers the time value of money. In determining the ECL measurement and staging for a financial instrument, the Company applies the definition of default consistent with the Basel definition of default to maintain uniformity of the definition across the Firm. Determining the appropriateness of the allowance is complex and requires judgment by management about the effect of circumstances that are inherently uncertain. Further, estimating the allowance involves consideration of a range of possible outcomes, which management evaluates to determine its best estimate.

The Company must consider the appropriateness of decisions and judgments regarding methodology and inputs utilized in developing estimates of ECL each reporting period and document them appropriately.

4.4 Fair value

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

Fair values are determined by reference to observable market prices where available and reliable. Fair values of financial assets and financial liabilities are based on quoted market prices or dealer price quotations for financial instruments traded in active markets. Where market prices are unavailable, fair value is based on valuation models that consider relevant transaction characteristics (such as maturity) and use as inputs observable or unobservable market parameters, including but not limited to yield curves, interest rates, volatilities, equity or debt prices, foreign exchange rates and credit curves. Valuation adjustments may be made to ensure that financial instruments are recorded at fair value. The Company manages certain portfolios of financial instruments on the basis of net open risk exposure and has elected to estimate the fair value, of such portfolios on the basis of a transfer of the entire net open risk position in an orderly transaction.

For financial assets and liabilities held at fair value, most market parameters in the valuation model are either directly observable or are implied from instrument prices. When input values do not directly correspond to the most actively traded market parameters the model may perform numerical procedures in the pricing such as interpolation.

The Company classifies its assets and liabilities according to a hierarchy that has been established under IFRS for disclosure of fair value measurements. The fair value hierarchy is based on the transparency of inputs to the valuation of an asset or liability as of the measurement date. The fair value hierarchy gives the highest priority to quoted prices (unadjusted) in active markets for identical assets or liabilities (level 1) and the lowest priority to unobservable inputs (level 3 inputs).

A financial instrument's categorisation within the fair value hierarchy is based on the least observable level of input that is significant to the fair value measurement.

Further details on fair value measurements are provided in note 12 to the financial statements.

4.5 Fee and commission income and expense

Fee and commissions obtained through Firm attribution agreements are recognised when the underlying contract becomes legally binding or at the agreed due date if later.

4.6 Derecognition of financial assets and financial liabilities

Financial assets are derecognised when the contractual right to receive cash flows from the asset has expired, or has been transferred with either of the following conditions met:

- a) the Company has transferred substantially all the risks and rewards of ownership of the asset; or
- b) the Company has neither retained nor transferred substantially all of the risks and rewards; but has relinquished control of the asset.

Financial liabilities are derecognised when they are extinguished, that is when the obligation is discharged, cancelled or expires.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

4. Summary of significant accounting policies (continued)

4.7 Recognition of deferred day one profit and loss

The Company enters into transactions where fair value is determined using valuation models that use significant unobservable inputs. Such a financial instrument is initially recognised at the transaction price, although the value obtained from the relevant valuation model may differ. The difference between the transaction price and the model value, commonly referred to as 'day one profit and loss', is not recognised immediately in the income statement when based on significant unobservable inputs.

The timing of recognition of deferred day one profit and loss is determined for each class of financial asset and liability. It is either amortised over the life of the transaction, deferred until the instrument's fair value can be determined using market observable inputs, or realised through settlement. The financial instrument is subsequently measured at fair value, adjusted for the deferred day one profit and loss.

4.8 Cash and cash equivalents

Cash and cash equivalents include cash and balances at banks with maturities of three months or less.

4.9 Share capital

The share capital of the Company consists of ordinary shares, classified as equity.

4.10 Current and deferred income tax

Income tax payable on taxable profits (current tax) is recognised as an expense in the period in which the profits arise. Income tax recoverable on tax allowable losses is recognised as a current tax asset only to the extent that it is regarded as recoverable by offset against taxable profits arising in the current or prior period. Current tax is measured using tax rates and tax laws that have been enacted or substantively enacted at the balance sheet date.

Deferred tax is provided in full, using the liability method, on temporary differences arising from the differences between the tax bases of assets and liabilities and their carrying amounts in the financial statements. Deferred tax is determined using tax rates and legislation enacted or substantively enacted by the balance sheet date, which are expected to apply when the deferred tax asset is realised or the deferred tax liability is settled. Deferred tax assets and liabilities are only offset when there is both a legal right and an intention to settle on a net basis.

5. Critical accounting estimates and judgements

The preparation of financial statements generally requires the use of estimates and judgements about future conditions. In view of the inherent uncertainties and the high level of subjectivity involved in the recognition or measurement of items, highlighted as the 'critical accounting estimates and judgements' below, it is possible that the outcomes in the next financial year could differ from those on which management's estimates are based. This could result in materially different estimates and judgements from those reached by management for the purposes of these financial statements. Management's selection of the Company's accounting policies that contain critical estimates and judgements reflects the materiality of the items to which the policies are applied and the high degree of judgement and estimation uncertainty involved.

Fair value measurement

The Company carries a significant portion of its assets and liabilities at fair value on a recurring basis. Certain financial instruments are classified on the basis of valuation techniques that feature one or more significant market inputs that are unobservable, and for them, the measurement of fair value is more judgemental:

- Judgements:
 - In classifying a financial instrument in the valuation hierarchy judgement is applied in determining whether one or more inputs are observable and significant to the fair value measurement. A financial instrument's categorisation within the valuation hierarchy is based on the lowest level of input that is significant to the fair value measurement.
 - For instruments classified in levels 2 and 3, management judgement must be applied to assess the appropriate models and level of valuation adjustments. Refer to note 12.
- Estimates:
 - Detailed on the Company's level 3 financial instruments and the sensitivity of their valuation to the effect of applying reasonable possible alternative assumptions in determining their fair value are set out in note 12.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

6. Segmental analysis

Business segments

The Company's activities comprise only one business segment, namely Corporate and Investment Banking services. The Company issues structured notes, of which the majority are issued within EMEA. All fee and commission income is received from JPMorgan Chase undertakings within the EMEA region. Therefore segmental analysis of the Company's revenue and assets by business is not necessary.

Geographical segments

The Company operates in three geographic regions as listed below:

- EMEA
- AMERICAS
- APAC

The following table presents revenues from business activities and total assets by geographic area.

	EMEA		AMERICAS		APAC		Total	
	2020	2019	2020	2019	2020	2019	2020	2019
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Interest income	63,684	189,518	—	—	—	—	63,684	189,518
Fees and commissions income	21,797	12,079	—	—	—	—	21,797	12,079
Total assets	23,044,065	24,283,350	3,929,260	5,074,379	10,674,221	6,485,389	37,647,546	35,843,118

7. Financial assets held at fair value through profit and loss

	2020	2019
	\$'000	\$'000
Financial assets held at fair value through profit and loss	29,709,550	26,848,043

Financial assets held at fair value through profit and loss predominantly represent derivatives and fully funded OTC financial instruments with other JPMorgan Chase undertakings, see note 12. Credit valuation adjustments ("CVA") are necessary to reflect counterparty credit quality in the valuation of assets measured at fair value. CVA for the current period for financial assets held at fair value through profit and loss is \$17.7 million (2019: \$9.1 million) which is fully offset by an equal and opposite amount in financial liabilities designated at fair value through profit or loss. (Refer note 10 and 11).

8. Trade and other receivables

	2020	2019
	\$'000	\$'000
Trade and other receivables: amounts falling due after one year		
Amounts owed by JPMorgan Chase undertakings	1,800,000	4,400,000
	1,800,000	4,400,000
Trade and other receivables: amounts falling due within one year		
Trade and other receivables (others)	59,494	94,435
Amounts owed by JPMorgan Chase undertakings	112,944	199,460
	172,438	293,895

None of the amounts within trade and other receivables were past due or impaired as at 31 December 2020 (31 December 2019: nil).

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

9. Net cash and cash equivalents

	2020	2019
	\$'000	\$'000
Cash held with JPMorgan Chase undertakings	5,872,170	4,187,640
Cash held with third parties	93,388	113,540
	5,965,558	4,301,180
Bank overdraft		
Balances due to JPMorgan Chase undertakings	(4,021)	(29,425)
Balances due to third parties	(24,336)	(31,182)
	(28,357)	(60,607)
Net cash and cash equivalents as reported in the cash flow statement	5,937,201	4,240,573

10. Financial liabilities designated at fair value through profit or loss

	2020	2019
	\$'000	\$'000
Financial liabilities designated at fair value through profit or loss	22,263,301	22,908,559

Financial liabilities designated at fair value through profit and loss include short term and long term structured notes. In certain instances, the customers have the rights to exercise put options. Other securities include early redemption clauses. As a result, the notes have been disclosed as having a maturity within one year in the table above. The contractual payments associated with the notes issued by the Company are all guaranteed, predominantly by JPMorgan Chase Bank, N.A. and may be repayable on customer demand. The details of each note are set out in the prospectus for each issuance.

Debit valuation adjustments and funding valuation adjustments are necessary to reflect the credit quality of the Firm in the valuation of such liabilities. The directors consider that the Company is fully hedged and that there would, in the normal course of business, be no impact to the results of the Company due to movements in the fair value of the financial liabilities designated at fair value through profit or loss.

The cumulative changes in its own credit and funding risk in the financial liabilities designated at fair value through profit or loss and held at fair value through profit or loss for 2020 is \$17.7 million (2019: \$9.1 million) as on balance sheet date. This is fully offset by an equal and opposite amount in financial assets held at fair value through profit or loss (Refer note 7) leading to nil impact in income statement.

11. Financial liabilities held at fair value through profit and loss

	2020	2019
	\$'000	\$'000
Financial liabilities held at fair value through profit or loss	7,446,249	3,939,485

Financial liabilities held at fair value through profit or loss consists of warrants and derivatives.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value

Valuation process

The Company carries a portion of its assets and liabilities at fair value on a recurring basis.

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value is based on quoted market prices or inputs, where available. If prices or quotes are not available, fair value is based on valuation models and other valuation techniques that consider relevant transaction characteristics (such as maturity) and use as inputs observable or unobservable market parameters, including yield curves, interest rates, volatilities, prices (such as commodity, equity or debt prices), correlations, foreign exchange rates and credit curves.

The level of precision in estimating unobservable market inputs or other factors can affect the amount of gain or loss recorded for a particular position. Furthermore, while the Company believes its valuation methods are appropriate and consistent with those of other market participants, the methods and assumptions used reflect management judgement and may vary across the Company's businesses and portfolios. The use of different methodologies or assumptions to those used by the Company could result in a different estimate of fair value at the reporting date.

Risk-taking functions are responsible for providing fair value estimates for assets and liabilities carried on the balance sheet at fair value. The Firm's valuation control function, which is part of the Firm's Finance function and independent of the risk-taking functions, is responsible for verifying these estimates and determining any fair value adjustments that may be required to ensure that the Firm's positions are recorded at fair value. The valuation control function verifies fair value estimates provided by the risk-taking functions by leveraging independently derived prices, valuation inputs and other market data, where available.

Debit valuation adjustments ("DVA") are taken to reflect the credit quality of the Company in the valuation of liabilities measured at fair value. The Firm also incorporates the impact of funding in its valuation estimates where there is evidence that a market participant in the principal market would incorporate it in a transfer of the instrument.

Credit valuation adjustments ("CVA") are necessary to reflect counterparty credit quality in the valuation of assets measured at fair value.

Valuation model review and approval

If prices or quotes are not available for an instrument or a similar instrument, fair value is generally determined using valuation models that consider relevant transaction terms such as maturity and use as inputs market-based or independently sourced parameters. The Model Risk Governance and Review function is independent of the model owners and reviews and approves valuation models used by the Company.

Fair value hierarchy

The Company classifies its assets and liabilities according to a valuation hierarchy that reflects the observability of significant market inputs. The three levels are defined as follows:

Level 1 - inputs to the valuation methodology are quoted prices (unadjusted) for identical assets or liabilities in active markets.

Level 2 - inputs to the valuation methodology include quoted prices for similar assets and liabilities in active markets, and inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instrument.

Level 3 - one or more inputs to the valuation methodology are unobservable and significant to the fair value measurement.

A financial instrument's categorisation within the valuation hierarchy is based on the lowest level of input that is significant to the fair value measurement.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value (continued)

Valuation methodologies

The following table describes the valuation methodologies used by the Firm to measure its more significant products/ instruments at fair value, including the general classification of such instruments pursuant to the valuation hierarchy.

Product / Instrument	Valuation methodology, inputs and assumptions	Classifications in the valuation hierarchy
Structured notes	- Valuations are based on discounted cash flow analysis that consider the embedded derivative and the terms and payment structure of the note. - The embedded derivative features are considered using models such as the Black-Scholes option pricing model, simulation models, or a combination of models that use observable or unobservable valuation inputs, depending on the embedded derivative. The specific inputs used vary according to the nature of the embedded derivative features, as described in the discussion below regarding derivative valuation. Adjustments are then made to this base valuation to reflect the Firm's own credit risk (DVA).	Level 2 or 3
Equity securities	Quoted market prices are used.	Level 1
Derivatives and fully funded OTC financial instruments	Derivatives that are valued using models such as the Black-Scholes option pricing model, simulation models, or a combination of models, that use observable or unobservable valuation inputs as well as considering the contractual terms. The key valuation inputs used will depend on the type of derivative and the nature of the underlying instruments and may include equity prices, commodity prices, interest rate yield curves, foreign exchange rates, volatilities, correlations, credit default swaps ("CDS") spreads and recovery rates. Additionally, the credit quality of the counterparty and of the Firm's as well as market funding levels may also be considered.	Level 2 or 3

The following tables present the assets and liabilities reported at fair value as of 31 December 2020 and 2019, by major product category and fair value hierarchy.

Assets and liabilities measured at fair value on a recurring basis

	Level 1	Level 2	Level 3	Total
	\$'000	\$'000	\$'000	\$'000
At 31 December 2020				
Financial assets held at fair value through profit and loss:				
Financial assets held at fair value through profit and loss	371,734	17,155,257	12,182,559	29,709,550
Total financial assets	371,734	17,155,257	12,182,559	29,709,550
Financial liabilities held at fair value through profit and loss:				
Financial liabilities held at fair value through profit and loss	—	(6,443,321)	(1,002,928)	(7,446,249)
Financial liabilities designated at fair value through profit or loss:				
Structured notes	—	(11,179,371)	(11,083,930)	(22,263,301)
Total financial liabilities	—	(17,622,692)	(12,086,858)	(29,709,550)

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value (continued)

	Level 1 \$'000	Level 2 \$'000	Level 3 \$'000	Total \$'000
At 31 December 2019				
Financial assets held at fair value through profit and loss:				
Financial assets held at fair value through profit and loss	398,437	15,581,473	10,868,133	26,848,043
Total financial assets	398,437	15,581,473	10,868,133	26,848,043
Financial liabilities held at fair value through profit and loss:				
Financial liabilities held at fair value through profit and loss	—	(3,580,485)	(359,000)	(3,939,485)
Financial liabilities designated at fair value through profit or loss:				
Structured notes	—	(13,015,441)	(9,893,117)	(22,908,558)
Total financial liabilities	—	(16,595,926)	(10,252,117)	(26,848,043)

The Company hedges all structured note issuances by entering into hedging transactions with other JPMorgan Chase companies. The hedging transactions can be booked as multiple elements in order to ensure the risk associated with the notes is fully hedged. Each of these elements is classified in the fair value hierarchy in line with the requirements of IFRS 13 'Fair Value Measurement', and as such the fair value hierarchy of the structured notes and hedges can differ.

Level 3 valuations

The Firm has established well structured processes for determining fair value, including for instruments where fair value is estimated using significant unobservable inputs (level 3).

Estimating fair value requires the application of judgement. The type and level of judgement required is largely dependent on the amount of observable market information available to the Company. For instruments valued using internally developed valuation models and other valuation techniques that use significant unobservable inputs are classified within level 3 of the fair value hierarchy, judgements used to estimate fair value are more significant than those required when estimating the fair value of instruments classified within levels 1 and 2.

In arriving at an estimate of fair value for an instrument within level 3, management must first determine the appropriate valuation model or other valuation technique to use. Second, due to the lack of observability of significant inputs, management must assess relevant empirical data in deriving valuation inputs including transaction details, yield curves, interest rates, prepayment speed, default rates, volatilities, correlations, prices (such as commodity, equity or debt prices), valuations of comparable instruments, foreign exchange rates and credit curves.

The following table presents the Company's primary level 3 financial instruments, the valuation techniques used to measure the fair value of those financial instruments, the significant unobservable inputs, the range of values for those inputs and, for certain instruments, the weighted averages of such inputs. While the determination to classify an instrument within level 3 is based on the significance of the unobservable inputs to the overall fair value measurement, level 3 financial instruments typically include observable components (that is, components that are actively quoted and can be validated to external sources) in addition to the unobservable components.

The range of values presented in the table is representative of the highest and lowest level input used to value the significant groups of instruments within a product/ instrument classification. Where provided, the weighted averages of the input values presented in the table are calculated based on the fair value of the instruments that the input is being used to value.

In the Company's view, the input range and the weighted average value do not reflect the degree of input uncertainty or an assessment of the reasonableness of the Company's estimates and assumptions. Rather, they reflect the characteristics of the various instruments held by the Company and the relative distribution of instruments within the range of characteristics. For example, two option contracts may have similar levels of market risk exposure and valuation uncertainty, but may have significantly different implied volatility levels because the option contracts have different underlyings, tenors, or strike prices.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value (continued)

Level 3 valuations (continued)

The input range and weighted average values will therefore vary from period-to-period and parameter to parameter based on the characteristics of the instruments held by the Company at each balance sheet date.

Product/instrument	Asset	Liability	Net fair value	Principal valuation technique	Unobservable input	Range of input values	Average (a)
At 31 December 2020	\$'000	\$'000	\$'000				
Derivatives and fully funded OTC financial instruments	12,182,559	(1,002,928)	11,179,631	Option	Interest rate correlation	1% - 60%	24.5%
					Interest rate volatility	6.85bps-89.08bps	42.11bps
					Interest rate - FX correlation	0% - 35%	11.7%
					Equity correlation	17% - 100%	65%
					Equity - FX correlation	(80)% - 55%	-23%
					Equity - Interest rate correlation	20% - 50%	33%
					Commodity volatility	35% - 35%	35%
					Equity volatility	4% - 103%	29%
Structured notes	—	(11,083,930)	(11,083,930)	Option	Interest rate correlation	1% - 60%	24.5%
					Interest rate volatility	6.85bps-89.08bps	42.11bps
					Interest rate - FX correlation	0% - 35%	11.7%
					Equity correlation	17% - 100%	65%
					Equity - FX correlation	(80)% - 55%	-23%
					Equity - Interest rate correlation	20% - 50%	33%
					Equity volatility	4% - 103%	29%
Total	12,182,559	(12,086,858)	95,701				

(a) Amounts represent arithmetic averages.

Product/instrument	Asset	Liability	Net fair value	Principal valuation technique	Unobservable input	Range of input values
At 31 December 2019	\$'000	\$'000	\$'000			
Derivatives and fully funded OTC financial instruments	10,868,133	(359,000)	10,509,133	Option pricing	Interest rate correlation	(65)% - 94%
					Interest rate spread volatility	20bps - 30bps
					Interest rate - FX correlation	(58)% - 40%
					Equity correlation	10% - 97%
					Equity - FX correlation	(81)% - 60%
					Equity - Interest rate correlation	25% - 35%
					Equity volatility	9% - 93%
Structured notes	—	(9,893,117)	(9,893,117)	Option pricing	Interest rate correlation	(65)% - 94%
					Interest rate spread volatility	20bps - 30bps
					Interest rate - FX correlation	(58)% - 40%
					Equity correlation	10% - 97%
					Equity - FX correlation	(81)% - 60%
					Equity - Interest rate correlation	25% - 35%
					Equity volatility	9% - 93%
Total	10,868,133	(10,252,117)	616,016			

The categories presented in the tables have been aggregated based upon the product type, which may differ from their classification on the balance sheet and fair values are shown net.

Given significant economic hedging between derivatives and structured notes, the inputs considered are consistent across both.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value (continued)

Level 3 valuations (continued)

Changes in and ranges of unobservable inputs

The following discussion provides a description of the impact on fair value measurement of a change in each unobservable input in isolation, and the interrelationship between unobservable inputs, where relevant and significant. The impact of changes in inputs may not be independent as a change in one unobservable input may give rise to a change in another unobservable input. Where relationships exist between two unobservable inputs, those relationships are discussed below. Relationships may also exist between observable and unobservable inputs (for example, as observable interest rates rise, unobservable prepayment rates decline); such relationships have not been included in the discussion below. In addition, for each of the individual relationships described below, the inverse relationship would also generally apply.

Correlation - Correlation is a measure of the relationship between the movements of two variables. Correlation is a pricing input for a derivative product where the payoff is driven by one or more underlying risks. Correlation inputs are related to the type of derivative due to the nature of the underlying risks. When parameters are positively correlated, an increase in one parameter will result in an increase in the other parameter. When parameters are negatively correlated, an increase in one parameter will result in a decrease in the other parameter. An increase in correlation can result in an increase or a decrease in a fair value measurement. For example, a short correlation position, where volatility increases, in isolation, would generally result in a decrease in a fair value measurement.

Volatility - Volatility is a measure of the variability in possible returns for an instrument, parameter or market index given how much the particular instrument, parameter or index changes in value over time. Volatility is a pricing input for options, including equity options and interest rate options. Generally, the higher the volatility of the underlying, the riskier the instrument. Given a long position in an option, an increase in volatility, in isolation, would generally result in an increase in a fair value measurement.

Fair value of financial instruments valued using techniques that incorporate unobservable inputs

Price risk from the issued instruments is matched by entering into equal and offsetting OTC financial transactions with other JPMorgan Chase companies so that any price risk is effectively hedged. As at 31 December 2020, the use of alternative inputs would not change the results of the Company. Consequently, no sensitivity analysis for level 3 financial instruments is disclosed.

Movement in assets and liabilities in Level 3 during year ended 31 December 2020

Financial assets held at fair value through profit and loss

	2020	2019
	\$'000	\$'000
At 1 January	10,868,133	10,207,604
Total gain recognised in income statement *	7,469	871,612
Purchases	11,347,534	8,459,897
Settlements	(10,060,502)	(6,686,051)
Transfers in to level 3	1,363,960	356,480
Transfers out of level 3	(1,344,035)	(2,341,409)
At 31 December	12,182,559	10,868,133
Change in unrealised gain related to financial instruments held at 31 December *	411,194	614,670

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value (continued)

Movement in assets and liabilities in Level 3 during year ended 31 December 2020 (continued)

Financial liabilities held at fair value through profit and loss and designated at fair value through profit and loss

	2020	2019
	\$'000	\$'000
At 1 January	10,252,117	9,131,189
Total loss/(gain) recognised in income statement *	26,653	(10,257)
Purchases	1,044,386	386,190
Issuances	9,877,099	10,278,657
Settlements	(9,044,821)	(7,665,299)
Transfers in to level 3	881,064	398,149
Transfers out of level 3	(949,640)	(2,266,512)
At 31 December	12,086,858	10,252,117
Change in unrealised loss related to financial instruments held at 31 December *	625,630	51,770

* As explained above, the Company's hedging transactions are booked as multiple elements in order to ensure the risk associated with the notes is fully hedged, and as such the levelling of the structured notes and hedges can differ. The gain/(loss) recognised in the income statement as a result of changes in fair value related to level 3 financial instruments, including any changes to unrealised gain/(loss) is offset by an equal and opposite impact as a result of changes in fair value of the related hedging instruments that are classified across multiple fair value levels.

Transfers between levels for instruments carried at fair value on a recurring basis

For the years ended 31 December 2020 and 2019, there were no transfers between levels 1 and 2.

During the year ended 31 December 2020, transfers from level 2 to level 3 included the following:

- \$1,364 million of assets driven by reduction in observability of derivatives and fully funded OTC financial instruments.
- \$881 million of liabilities driven by a reduction in observability of structured notes.

During the year ended 31 December 2020, transfers from level 3 to level 2 included the following:

- \$1,344 million of assets driven by increase in observability of derivatives and fully funded OTC financial instruments.
- \$950 million of liabilities driven by increase in observability of structured notes.

During the year ended 31 December 2019, significant transfers from level 2 to level 3 included the following:

- \$356 million of assets driven by reduction in observability of derivatives and fully funded OTC financial instruments.
- \$398 million of liabilities driven by a reduction in observability of structured notes.

During the year ended 31 December 2019, transfers from level 3 to level 2 included the following:

- \$2,341 million of assets driven by increase in observability of derivatives and fully funded OTC financial instruments.
- \$2,266 million of liabilities driven by increase in observability of structured notes.

All transfers are assumed to occur at the beginning of the period in which they occur.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

12. Assets and liabilities measured at fair value (continued)

Movement in Level 3 assets and liabilities (continued)

Fair value of financial instruments not carried on balance sheet at fair value

Certain financial instruments that are not carried at fair value on balance sheet are carried at amounts that approximate fair value, due to their short term nature and generally negligible credit risk. These instruments include cash and cash equivalents, bank overdraft, trade and other receivables and trade and other payables.

The Company has \$7,938.0 million (2019: \$8,995.1 million) of financial assets and \$7,345.5 million (2019: \$8,424.5 million) of current financial liabilities that are not measured at fair value. Given the short-term nature of these instruments, their carrying amounts in the balance sheet are a reasonable approximation of fair value.

Offsetting financial assets and financial liabilities

No financial assets and liabilities have been offset on the balance sheet as at 31 December 2020 (2019: nil).

Financial instruments, recognised within financial assets held at fair value through profit and loss and financial liabilities held at fair value through profit and loss, which were subject to master netting arrangements or other similar agreements but not offset, as at 31 December 2020, amounted to \$6,620.2 million (2019: \$578.7 million).

13. Trade and other payables

	2020	2019
	\$'000	\$'000
Trade payables	51,200	165,579
Amounts owed to JPMorgan Chase undertakings	7,265,925	8,198,292
	7,317,125	8,363,871

Current year trade and other payables predominantly consist of variation margin received from other JPMorgan Chase undertakings.

14. Share capital

	2020	2019
	€'000	€'000
Authorised share capital		
90,000 (2019: 90,000) Ordinary shares of €1.00 each	90	90
	2020	2019
	\$'000	\$'000
Issued and fully paid share capital		
20,000 (2019: 20,000) Ordinary shares of €1.00 each	26	26

In accordance with the requirements of Article 373 Book 2 of the Dutch Civil Code, the Company holds an amount of \$2,000 in a legal reserve in respect of revaluation of the Euro denominated share capital. There has been no change in the amount of authorised share capital during the year.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

15. Operating profit

Included in trading profit are net gains/(losses) from financial liabilities designated at FVTPL and financial assets and liabilities held at FVTPL:

	2020	2019
	\$'000	\$'000
Net loss on financial liabilities designated at FVTPL	(468,391)	(2,104,508)
Net gain on financial assets and liabilities held at FVTPL	468,391	2,104,508
	—	—

All fee and commission income is received from other JPMorgan Chase undertakings.

All fee and commission expense is paid by other JPMorgan Chase undertakings and reimbursed by the Company.

16. Audit fee

	2020	2019
	\$'000	\$'000
Auditors' remuneration for the audit of the Company's annual financial statements	44	40

17. Interest income and expense

All interest income and expenses are from financial instruments held at amortised cost, which are receivable from or due to JPMorgan Chase undertakings respectively.

18. Income tax expense

	2020	2019
	\$'000	\$'000
Income tax expense:		
Current tax	7,424	7,505
Adjustment in respect of previous years	59	(21)
Tax on profit on ordinary activities	7,483	7,484
Profit for the year before tax	29,773	30,072
Tax calculated at applicable tax rates	7,424	7,505
Adjustments in respect of previous years	59	(21)
Income tax expense	7,483	7,484

The standard tax rate in the Netherlands is 25% (2019: 25%). A tax rate of 16.5% (2019: 20%) is applied to the first €200,000 (2019:€200,000).

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

19. Financial risk management

Risk is an inherent part of the Company's business activities. The Company's overall objective is to manage its businesses, and the associated risks, in a manner that balances serving the interests of its clients, customers and investors and protects the safety and soundness of the Company.

JPMorgan Chase, and the Company believe that effective risk management requires, among other things:

- Acceptance of responsibility, including identification and escalation of risks by all individuals within the Company.
- Ownership of risk identification, assessment, data and management within each Line of Business ("LOB") and Corporate; and
- Firmwide structures for risk governance.

JPMorgan Chase's risk governance structure is based on the principle that each LOB is responsible for managing the risk inherent in its business, albeit with appropriate corporate oversight. Each LOB risk committee is responsible for decisions regarding the business risk strategy, policies (as appropriate) and controls. Therefore, each LOB within the Company forms part of the firmwide risk governance structure.

The Company exercises oversight through the Board of Directors which are aligned to the Firm risk management framework and regulatory requirements.

The following sections outline the key financial risks that are inherent in the Company's business activities.

Credit risk

Credit risk is the risk associated with the default or change in credit profile of a client, counterparty or customer. Credit risk management is an independent risk management ("IRM") function that monitors, measures and manages credit risk throughout the Firm and defines credit risk policies and procedures. The credit risk function reports to the Firm's Chief Risk Officer ("CRO").

COVID-19

In 2020, the impacts of the COVID-19 pandemic resulted in broad-based credit deterioration. The continuation or worsening of the effects of the COVID-19 pandemic on the macroeconomic environment could result in further impacts to credit quality metrics, including investment-grade percentages, as well as to criticized and non-performing exposures and charge-offs. The company has not experienced a significant reduction in its capital and liquidity positions during the year as a result of COVID-19.

Expected credit loss measurement

Approach to measuring expected credit losses

The Company estimates credit impairment through an allowance for expected credit losses ("ECLs"). ECLs are recognised for financial assets that are measured at amortised cost. The measurement of ECLs must reflect:

- (a) An unbiased and probability weighted amount that is determined by evaluating a range of possible outcomes.
- (b) The time value of money.
- (c) Reasonable and supportable information about past events, current (economic) conditions, and forecasts of future economic conditions.

The measurement of ECL also reflects how the Company manages the financial instruments it uses for credit risk purposes such as Traditional Credit Products ("TCP"), and non-traditional credit products ("Non-TCP"). The Company does not hold any TCP instruments. Non-TCP consist of financial assets measured at amortised cost which include trade and other receivables and cash instruments.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

19. Financial risk management (continued)

Credit risk (continued)

Expected credit loss measurement (continued)

Approach to measuring expected credit losses (continued)

The following table sets out the balances of the Company's financial assets that are measured at amortised cost within the Non-TCP category:

Balance sheet categories	Non-TCP	
	2020	2019
	\$'000	\$'000
Assets		
Trade and other receivables	1,972,438	4,693,895
Cash and cash equivalents	5,965,558	4,301,180

For Non-TCPs, the Company utilises a combination of an established provision matrix, as well as quantitative and qualitative considerations to estimate ECLs.

During the year, the Company did not recognise any ECL on Non-TCP balances as the ECL related to these exposures is assessed as immaterial. The Company's approach to measuring ECLs for Non-TCP portfolios depends on the type of instrument. Refer to the Credit exposures section below for an analysis per balance sheet line item.

Credit exposures

Balance sheet exposure by financial asset

The table below presents the Company's gross balance sheet exposure to financial assets without taking account of any collateral or economic hedges in place.

	2020	2019
	\$'000	\$'000
Financial assets held at fair value through profit and loss	29,337,816	26,449,606
Trade and other receivables	1,972,438	4,693,895
Cash and cash equivalents	5,965,558	4,301,180
	37,275,812	35,444,681

Included within the above assets, are balances held with other JPMorgan Chase undertakings of \$37,068 million (2019: \$35,229 million).

Financial assets held at fair value through profit and loss does not include equity securities captured under market risk.

The Company's credit exposures and credit risk mitigants are further described below. As no material ECL allowance is recognised on Non-TCP financial assets, refer below for further discussion.

Trade and other receivables

Trade and other receivables mainly consist of amounts due from brokers/dealers such as failed sales, unsettled cash and amounts due from JPMorgan Chase undertakings.

Failed sale receivables generally have minimal credit risk due to the low probability of default of a clearing organisation default and failure to deliver, the short-term nature of receivables related to securities settlements which are predominately on a delivery versus payment basis.

Unsettled cash receivables relate to cash collateral paid to counterparties in respect of derivative financial instruments. Margin posted in cash is reflected as a receivable from the counterparty and is carried at amortised cost. The Company includes these receivables in Stage 1 due to the robust multi-layered credit protection inherent in the design and operations of the margin posted model.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

19. Financial risk management (continued)

Credit risk (continued)

Expected credit loss measurement (continued)

Trade and other receivables (continued)

The majority of amounts due from JPMorgan Chase undertakings are with a borrower who is a Material Legal Entity ("MLE"). As MLEs are adequately capitalised to ensure the MLE can fulfil all of its debt obligations even in the event of an orderly liquidation of JPMorgan Chase and are of investment grade, these inter-company receivables are included in Stage 1 as they are held with MLEs and considered to not have an increase in credit risk that would result in material expected credit losses. Receivables from MLEs are only included in Stage 2 if the obligor is no longer considered an MLE and there is evidence of credit deterioration of the obligor, or if certain support triggers defined in the JPMorgan Chase's Resolution Plan occur. Receivables from MLEs are not credit-impaired as the Firm ensures MLEs are more than adequately capitalised as required by the Firms Resolution Plan. The Company recognises no allowance on these balances.

Cash and cash equivalents

The Company places substantially all of its deposits with banks which are of investment-grade. The Company includes cash and cash equivalents in Stage 1 as investment-grade institutions are considered to have high quality credit with low risk of default and therefore a significant increase in credit risk is not deemed probable or material. The Company recognises no allowance on these balances.

Liquidity risk

Liquidity risk is the risk that the Company will be unable to meet its contractual and contingent financial obligations as they arise or that it does not have the appropriate amount, composition and tenor of funding and liquidity to support its assets and liabilities.

The Company's issuances are economically hedged with the OTC transactions with other JPMorgan Chase undertakings. To the extent that settlement-related timing differences between issuances and the OTC hedge may result in funding requirements, these are funded by other Firm companies involved in the transactions. The contractual payments associated with the notes issued by the Company are predominantly guaranteed by JPMorgan Chase Bank, N.A.

The following table provides details on the maturity of all financial liabilities.

	2020	2019
	Less than	Less than
	1 year	1 year
	\$'000	\$'000
Financial liabilities designated at fair value through profit or loss	22,263,301	22,908,559
Financial liabilities held at fair value through profit and loss	7,446,249	3,939,485
Bank overdraft	28,357	60,607
Trade and other payables	7,317,125	8,363,871
	37,055,032	35,272,522

Included with the above liabilities, the balances held with other JPMorgan Chase undertakings are \$16,599 million (2019: \$14,467 million).

Market risk

Market Risk is the risk associated with the effect of changes in market factors such as interest and foreign exchange rates, equity and commodity prices, credit spreads or implied volatilities, on the value of assets and liabilities held for both the short and long term.

Where the Company is exposed to market risk it is managed as part of the Enterprise-wide Market Risk management framework.

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

20. Managed capital

Total equity of \$585.2 million (2019: \$562.9 million) constitutes the managed capital of the Company, which consists entirely of issued share capital, share premium reserve, legal reserve and retained earnings.

The directors are responsible for setting the objectives, policies and processes relating to the management of the Company's capital and maintain a set of policy documents to assist in discharging their responsibilities.

The Company is not subject to any externally imposed capital requirements.

21. Related party transactions

Related parties comprise:

- (a) Directors and shareholders of the Company and companies in which they have an ownership interest
- (b) Other JPMorgan Chase undertakings

None of the Directors received remuneration from the Company during the year (2019: nil). The Company did not employ any staff in 2020 or 2019.

The Company's parent undertaking is detailed in note 1. There were no transactions with the parent undertaking during the year.

Related party transactions, outstanding balances at year end, and income and expenses for the year, all related to normal business activities at arm's length, are as follows:

Outstanding balances at year end

	JPMorgan Chase undertakings	JPMorgan Chase undertakings
	<u>31 December 2020</u>	<u>31 December 2019</u>
	\$'000	\$'000
Financial assets held at fair value through profit or loss	29,283,290	26,442,201
Trade and other receivables	1,912,944	4,599,460
Cash and cash equivalents	5,872,170	4,187,640
Financial liabilities held at fair value through profit or loss	(6,629,237)	(3,613,891)
Financial liabilities designated at fair value through profit or loss	(2,699,878)	(2,625,100)
Trade and other payables	(7,265,925)	(8,198,292)
Bank overdraft	(4,021)	(29,425)

Income and expenses

	JPMorgan Chase undertakings	JPMorgan Chase undertakings
	<u>31 December 2020</u>	<u>31 December 2019</u>
	\$'000	\$'000
Net gains/(losses)	509,400	1,337,832
Fees and commission income	21,797	12,079
Fees and commission expense	(2,385)	(5,809)
Administrative expenses	(638)	(525)
Net interest income	30,312	29,880

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Notes to the financial statements (continued)

22. Proposed appropriation of net results

Management propose to appropriate the current year profit to retained earnings. No dividend was paid or proposed during the year.

The Board of Directors

S.E. Cheah

W.H. Kamphuijs

J.C.P. van Uffelen

M.F.C van der Werff

N. Dargan

Date: 13 April 2021

J.P. MORGAN STRUCTURED PRODUCTS B.V.

Other information

Profit appropriation according to the Articles of Association

The Articles of Association of the Company require that the allocation of profits be determined in a general meeting of the shareholders. The Management Board may resolve to pay interim dividends up to an amount which does not exceed the amount of the distributable part of the net assets. Dividends shall be paid after adoption of the annual financial statements from which it appears that payment of dividends is permissible.

Independent auditors' report

Independent auditor's report

To: the general meeting of J.P.Morgan Structured Products B.V.

Report on the audit of the financial statements 2020 included in the annual Report

Our opinion

We have audited the financial statements 2020 of J.P. Morgan Structured Products B.V. In our opinion the accompanying financial statements give a true and fair view of the financial position of J.P. Morgan Structured Products B.V. as at 31 December 2020, and of its result and its cash flows for the year then ended in accordance with International Financial Reporting Standards as adopted by the European Union (EU-IFRS) and with Part 9 of Book 2 of the Dutch Civil Code.

The financial statements comprise:

- the Balance Sheet as at 31 December 2020;
- the following statements for 2020: Income Statement, Statement of Comprehensive Income, Statement of Changes in Equity and Statement of Cash Flows; and
- the notes, comprising a summary of the significant accounting policies and other explanatory information.

Basis for our opinion

We conducted our audit in accordance with Dutch law, including the Dutch Standards on Auditing. Our responsibilities under those standards are further described in the 'Our responsibilities for the audit of the financial statements' section of our report.

We are independent of the company in accordance with the "EU Regulation on specific requirements regarding statutory audit of public-interest entities", the "Audit firms supervision act" (Wta), "Dutch Independence Standard regarding assurance engagements (ViO)" and other relevant independence requirements in the Netherlands. Furthermore, we have complied with the "Dutch Code of Ethics (VGBA)".

We believe the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Materiality

Based on our professional judgement we determined the materiality for the financial statements as a whole at USD 376 million. The materiality is based on 1.0% of total assets. We have also taken into account misstatements and/or possible misstatements that in our opinion are material for the users of the financial statements for qualitative reasons.

Our key audit matters

Key audit matters are those matters that, in our professional judgement, were of most significance in our audit of the financial statements. We have communicated the key audit matters to the board of directors, but they are not a comprehensive reflection of all matters discussed.

These matters were addressed in the context of our audit of the financial statements as a whole and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Cooperation with other auditors

To the extent we have relied in our audit on other auditors within J.P. Morgan Chase & Co group, we have planned audit procedures to ensure sufficient involvement in the nature, timing and extent of the work performed by them. These procedures include issuing instructions to those auditors, reviewing reports prepared by them and reviewing their audit files.

Valuation of financial assets and financial liabilities

We consider the fair value of financial assets and financial liabilities as disclosed in note 7, 10 and 11 and in total both amounting to USD 29.7 billion as a key audit matter. This is due to the nature of the instruments and the number of input parameters taken into account in the valuation.

Our audit procedures regarding the valuation of the financial assets and financial liabilities include, amongst others, the following:

- We obtained an understanding of the valuation methodology and the processes and controls with respect to the valuation of the financial assets and financial liabilities measured at fair value;
- We tested the Company's controls over the validation of models used in the valuation of financial assets and financial liabilities. We also tested management's independent price verification controls, which are designed to validate the prices used by the trading desks;

- We substantively tested the inputs to the fair value calculations. With respect to the discount rates used and inputs for the valuation of embedded derivative elements, this included independently sourcing data from independent third party sources. Furthermore, we agreed the terms of a sample of instruments to the respective prospectuses;
- We tested the completeness and accuracy of the booking of economic hedges to ensure the Company had effective economic hedges in place;
- We evaluated the adequacy of the disclosures relating to the valuation of financial assets and financial liabilities for compliance with the disclosure requirements included in EU-IFRS.

Report on the other information included in the annual report

In addition to the financial statements and our auditor's report thereon, the annual report contains other information that consists of:

- Directors' Report;
- Other information as required by Part 9 of Book 2 of the Dutch Civil Code.

Based on the following procedures performed, we conclude that the other information:

- is consistent with the financial statements and does not contain material misstatements;
- contains the information as required by Part 9 of Book 2 of the Dutch Civil Code.

We have read the other information. Based on our knowledge and understanding obtained through our audit of the financial statements or otherwise, we have considered whether the other information contains material misstatements.

By performing these procedures, we comply with the requirements of Part 9 of Book 2 of the Dutch Civil Code and the Dutch Standard 720. The scope of the procedures performed is substantially less than the scope of those performed in our audit of the financial statements.

Management is responsible for the preparation of the other information, including the Directors' Report in accordance with Part 9 of Book 2 of the Dutch Civil Code and other information as required by Part 9 of Book 2 of the Dutch Civil Code.

Report on other legal and regulatory requirements

Engagement

We were appointed as auditor of J.P. Morgan Structured Products B.V. as of the audit for the year 2017.

No prohibited non-audit services

We have not provided prohibited non-audit services as referred to in Article 5(1) of the EU Regulation on specific requirements regarding statutory audit of public-interest entities.

Description of responsibilities regarding the financial statements

Responsibilities of board of directors for the financial statements

The board of directors is responsible for the preparation and fair presentation of the financial statements in accordance with EU-IFRS and Part 9 of Book 2 of the Dutch Civil Code. Furthermore, the board of directors is responsible for such internal control as management determines is necessary to enable the preparation of the financial statements that are free from material misstatement, whether due to fraud or error.

As part of the preparation of the financial statements, the board of directors is responsible for assessing the company's ability to continue as a going concern. Based on the financial reporting frameworks mentioned, the board of directors should prepare the financial statements using the going concern basis of accounting unless the board of directors either intends to liquidate the company or to cease operations, or has no realistic alternative but to do so.

The board of directors should disclose events and circumstances that may cast significant doubt on the company's ability to continue as a going concern in the financial statements.

Our responsibilities for the audit of the financial statements

Our objective is to plan and perform the audit assignment in a manner that allows us to obtain sufficient and appropriate audit evidence for our opinion.

Our audit has been performed with a high, but not absolute, level of assurance, which means we may not detect all material errors and fraud during our audit.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements. The materiality affects the nature, timing and extent of our audit procedures and the evaluation of the effect of identified misstatements on our opinion.

We have exercised professional judgement and have maintained professional scepticism throughout the audit, in accordance with Dutch Standards on Auditing, ethical requirements and independence requirements. Our audit included e.g.:

- Identifying and assessing the risks of material misstatement of the financial statements, whether due to fraud or error, designing and performing audit procedures responsive to those risks, and obtaining audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control;
- Obtaining an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control;
- Evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management;
- Concluding on the appropriateness of management's use of the going concern basis of accounting, and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause a company to cease to continue as a going concern;
- Evaluating the overall presentation, structure and content of the financial statements, including the disclosures; and
- Evaluating whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the board of directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant findings in internal control that we identify during our audit. In this respect we also submit an additional report to the board of directors in accordance with Article 11 of the EU Regulation on specific requirements regarding statutory audit of public-interest entities. The information included in this additional report is consistent with our audit opinion in this auditor's report.

We provide the board of directors with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with the board of directors, we determine the key audit matters: those matters that were of most significance in the audit of the financial statements. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, not communicating the matter is in the public interest.

Amsterdam, 13 April 2021

Mazars Accountants N.V.

Original was signed by: J.C. van Oldenbeek MSc RA