



Illustrative Disclosures

New Zealand PBE Accounting Standards

Tier 1 and 2 (including RDR concessions)

March 2022



This guide has been produced by KPMG New Zealand's Accounting Advisory Services division to serve as a "best practice" set of financial statements for a Public Benefit Entity ('PBE') in New Zealand. It uses a fictitious company, New Zealand Forest and Timber Environmental Research Inc., to illustrate how financial statements should be prepared and presented in accordance with the New Zealand PBE Accounting Standards (**Not-For-Profit**) as applicable to Tier 1 and Tier 2 PBE under the XRB A1 Accounting Standards Framework (XRB A1) issued by the External Reporting Board ('XRB').

We hope you will find this publication useful in putting into perspective the disclosure and presentation requirements of Tier 1 and Tier 2 PBE reporting entity and as a reference source in preparing your own financial statements.

Please note this set of illustrative financial statements also highlights the disclosure concessions and requirements of the Tier 2 PBE Accounting Standards – applying the Reduced Disclosure Regime ('PBE Tier 2 – RDR'). Refer to the "About this guide" section on how to identify the PBE Tier 2 - RDR disclosure concessions.

Although these illustrative financial statements have been designed to show the most likely disclosure requirements, these may need to be tailored to your organisation. If you have any queries on PBE Accounting Standards or other financial reporting issues, KPMG will be happy to provide any assistance that you require. Please do not hesitate to contact us or any of our specialist staff.

Matthew Kinraid
Partner
Accounting Advisory Services

Simon Lee
National Technical Director
Accounting Advisory Services

Disclaimer

The information contained herein is of a general nature and is not intended to address the circumstances of any particular individual or entity. Although we endeavour to provide accurate and timely information, there can be no guarantee that such information is accurate as of the date it is received or that it will continue to be accurate in the future. No one should act upon such information without appropriate professional advice after a thorough examination of the particular situation.

About this Guide

Illustrative Financial Statements – PBE Standards Tier 1 and Tier 2

Introduction

This is a set of illustrative financial statements prepared in accordance with PBE Accounting Standards as applicable to Tier 1 and Tier 2 Public Benefit Entities (PBE's) under the XRB A1 Accounting Standards Framework (XRB A1) issued by the XRB. The criteria and assessment to determine if you are a PBE can be found within this standard.

These illustrative financial statements have been updated by KPMG New Zealand Accounting Advisory Services division for New Zealand PBE Accounting Standards. The view expressed herein are those of the KPMG New Zealand Accounting Advisory Services division.

The publication is based on the PBE Accounting Standards on issue as at 31 March 2022. PBE Accounting Standards and their interpretation change over time. Accordingly, these illustrative financial statements should not be used as a substitute for referring to the standards themselves. This guide does not cover disclosure requirements in new standards issued and not effective as listed in [Note 6E](#).

It should be noted that these are illustrative financial statements designed to portray a wide range of disclosures which may not be relevant to all entities. They are designed to be used as a reference tool and users should tailor these in preparation of their entity's own financial statements to reflect their specific facts and circumstances.

Background to New Zealand Forest and Timber Environmental Research Inc.

New Zealand Forest and Timber Environmental Research Inc. is a fictitious entity. Any resemblance to any entity or person is purely coincidental. These financial statements are intended for illustrative purposes only.

The entity was originally set up as an Incorporated Society with a grant from Mr Brown (including forestry lands, forests at different stages of maturity and monetary funds) to research how the forestry and timber industry in New Zealand could ensure the production of high-quality timber for the construction industry, but without damaging the environment both ecologically and aesthetically.

A separate entity, New Zealand Timber and Paper Limited, was set up as a trading arm to market the products (such as timber for construction and paper products) resulting from the harvesting of the forests and to fund continuing research. Although the research is controlled by the Incorporated Society and the parent entity, investigative research has moved offshore, primarily to Europe and North America. Therefore, local companies in specific countries have been acquired with the aim of utilising annual profits of the Entity to fund research in that particular Entity.

Research and trading is now carried out in Denmark, Germany, Russia, United Kingdom, Netherlands, Switzerland, Spain, United States and Canada. In recent years, research projects have been expanded to encompass the impacts of climate change and dairy farming. The Incorporated Society heading the Group is a Registered Charity under the Charities Act 2005, it must comply with NZ GAAP as per XRB A1.

In order to demonstrate as many accounting standards as possible this is a diverse group with the subsidiary entities being trading entities that also carry out research for the parent entity. While this may be a stretch of the imagination, the New Zealand economy is home to some entities that are Registered Charities yet are mixed groups with significant subsidiaries that are profit-oriented companies.

New Zealand Forest and Timber Environmental Research Inc. (the parent entity) is a charity by virtue of fact it has a charitable purpose as per section 5(1) of the Charities Act 2005. It's application to Charities Services states that the Incorporated Society exists for the advancement of education and research into forestry practises, the development of timber for construction and emerging environmental issues such as climate change and the impact of dairy farming on waterways. It provides grants for such research to Doctoral students, and also issues concessionary loans to subsidiaries to carry out specifically commissioned research. The subsidiaries also carry out research funded by profits from the subsidiaries, for example Papier GmbH based in Germany funds research into more efficient paper making practises.

Tier 1 and Tier 2 PBEs

These illustrative financials have been constructed to illustrate disclosure requirements for both Tier 1 PBE's in accordance with PBE Standards, and Tier 2 PBE's in accordance with PBE Standards with Reduced Disclosure Requirements ("PBE RDR").

Disclosures that are concessions for a Tier 2 entity and not required to be made are highlighted in grey. Tier 2 entities are exempt from making these disclosures.

Tier 2 entities applying PBE RDR should ensure that their financial statements are fairly presented, referring to PBE IPSAS 1 *Presentation of Financial Statements* paragraph RDR 27.1:

Financial statements shall present fairly the financial position, financial performance and cash flows of a Tier 2 entity. Fair presentation requires the faithful representation of the effects of transactions, other events and conditions in accordance with the definitions and recognition criteria for assets, liabilities, revenue and expenses set out in the PBE Standards. The application of PBE Standards Reduced Disclosure Regime (PBE Standards RDR), with additional disclosure when necessary, is presumed to result in financial statements that achieve a fair presentation.

A Tier 2 entity shall disclose in the notes that it has elected to report in accordance with Tier 2 PBE Standards shall also disclose the criteria that establish the entity as eligible to report in accordance with Tier 2 PBE Standards. [PBE IPSAS 1 RDR 28.1]

Notations on the left-hand margin reference to the applicable paragraph in the standard that relate to the specific disclosure.

What's new in 2022?

The following standards have been applied for the first time in these financial statements. Refer to Note 6D

- Interest Rate Benchmark Reform Phase 2 is part of the IBOR reforms attributable to PBE IPSAS 41 which was early adopted by the Group in the 2021 fiscal year. This is effective for periods commencing on or after 1 January 2021 when PBE IPSAS 41 has been early adopted.
- PBE IPSAS 40 PBE Combinations is a new standard applicable to Tier 1 and Tier 2 PBE replacing PBE IFRS 3 Business Combinations. This is effective for periods commencing on or after 1 January 2021.
- 2018 Omnibus Amendments to PBE Standards are a suite of amendments across a number of PBE Standards, these are effective for periods commencing on or after 1 January 2021 and where applicable have been applied to the Group's financial statements.

There are a number of other new standards and amendments that will become effective in future periods. Our [Reporting Update – Public Benefit Entities: New Standards](#) provides a comprehensive list of all of the new standards. [Note 6E](#) is updated to include disclosure of the new standards issued but not yet effective that are relevant to the Group.

These standards are applied to the 31 March 2022 financial statements of the Group.

Climate change and financial reporting

All entities are facing climate-related risks and opportunities and are making strategic decisions in response – including around their transition to a low-carbon economy. These climate-related risks and strategic decisions could impact their financial statements – and KPIs. For an illustration of the climate change impact on the financial statements of the Group related to biological assets, see [Note 12C](#), and related to emissions schemes, see [Notes 19, 26](#) and [27](#).

Our [Climate Change financial reporting resource centre](#) provides FAQs to help entities identify the potential financial statement impacts for their business.

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What's not illustrated

This guide does not illustrate the following:

- **Potential impacts of COVID-19** on the annual financial statements of the Group.

The COVID-19 coronavirus pandemic continues to impact entities in different ways depending on the industry and economic environment in which they trade. Whereas some governments are starting to ease restrictions, others continue to enforce lockdown measures. Either way, for many entities the impact of the pandemic will continue to affect the measurement and recognition of their assets and liabilities, income and expenses. Also, due to continued liquidity pressures, some entities may face going concern difficulties. Investors and regulators continue to pay specific attention to this topic.

Our [COVID-19 supplement](#) (September 2020) provides additional illustrative disclosures that entities may need to provide on accounting issues arising from the COVID-19 coronavirus pandemic.

Also see our [COVID-19 financial reporting resource centre](#) for additional relevant guidance on the financial reporting impact of the pandemic.

- **Potential impacts of the UK's exit from the EU (Brexit)** on the annual financial statements of the Group.

The UK left the EU on 31 January 2020, with an implementation period that ended on 31 December 2020. Some UK and EU entities have made changes to the way they do business as a result – and some details of the new relationships are still being ironed out.

To the extent that an entity has any exposure to the changes and any remaining uncertainties associated with Brexit, it should assess the impact of those on its annual financial statements and provide relevant entity-specific disclosures.

References and abbreviations

References are included in the left-hand margin of this guide to identify any relevant paragraphs of the standards.

PBE IPSAS 1.51 Paragraph 51 of PBE IPSAS 1

|| New standards and changes since the 2021 edition of this guide

The following abbreviations are used often in this guide.

PBE	Public Benefit Entity
IPSAS	International Public Sector Accounting Standard
RDR	New Zealand Reduced Disclosure Regime
IAS	International Accounting Standards
IFRS	International Financial Reporting Standards
XRB	External Reporting Board
Notes	Notes to the financial statements
PBE IPSAS 30	PBE IPSAS 30 as amended by PBE IPSAS 41 (applicable from 1 January 2022).
OCRE	other comprehensive revenue and expense
FVOCRE	Fair value through other comprehensive revenue and expense
FVTSD	Fair value through surplus and deficit

Consolidated statement of service performance

For the year ended 31 March 2022

This report has been prepared in accordance with PBE FRS 48 *Service Performance Reporting*. The Group has elected to adopt the accounting standard early, however, it is not yet mandatory for the statement to be audited and therefore the Service Performance Statement for the year ended 31 March 2022 is not audited. The Board believes that the statements contained in the report accurately reflect the overall performance of NZFTER Inc.

Who are we and why do we exist?

Our Vision

A strong forestry industry without ecological and aesthetic damage to our environment.

Our Purpose

- We carry out research to improve forestry practices in New Zealand.
- Our research aims to develop timber for construction that is more than fit for purpose without damaging our environment.
- We aim to contribute to the research and education to reduce the impacts of climate change and dairy farming on our environment.

New Zealand Forest and Timber Environmental Research Inc was originally set up in **2005** as an Incorporated Society with a grant from Mr Brown (including forestry lands, forests at different stages of maturity and monetary funds) to research how the forestry and timber industry in New Zealand could ensure the production of high-quality timber for the construction industry, but without damaging the environment both ecologically and aesthetically.

A separate entity, New Zealand Timber and Paper Limited, was set up in **2008** as a trading arm to market the products (such as timber for construction and paper products) resulting from the harvesting of the forests and to fund continuing research. Although the research is controlled by the Incorporated Society and the parent entity, investigative research has moved offshore, primarily to Europe and North America. Therefore, local companies in specific countries have been acquired with the aim of utilising annual profits of the Entity to fund research in that particular Entity.

Research and trading are now carried out in Denmark, Germany, Russia, United Kingdom, Netherlands, Switzerland, Spain, United States and Canada. In recent years, research projects have been expanded to encompass the impacts of climate change and dairy farming. The Incorporated Society heading the Group is a Registered Charity under the Charities Act 2005.

What are our strategic focus areas?

Our work revolves around supporting our strategic focus areas and the key objectives:



Advance **Research** on the impact of forestry practices, climate change and dairy farming.

Objective

Increase the number of students and research grants for research agencies.



Develop high quality timber and forestry/farming practices that protect our environment.

Objective

Maintain and increase the number of timber farmers applying leading practices researched and developed by NZFTER Inc.



Be a centre of excellence for **Education** provided on forestry and farming developments to protect our environment.

Objective

Maintain and grow our research grants received and provided, by number and value.

What did we do?

<p>Education Grants provided</p>	<ul style="list-style-type: none"> •to doctoral students •to research agencies
<p>Development Concessionary Loans</p>	<ul style="list-style-type: none"> •to Group Subsidiaries for Research and Development •to research agencies
<p>Research Operational Surpluses</p>	<ul style="list-style-type: none"> •reinvested into Group entities for Research, Development and Education

The Group defines **Research** as focussed, diligent and systematic investigation into a subject in order to discover or revise facts, theories and applications. Research is always conducted under the auspices of a project, with a CEO and Board approved project team, timeframe and budget, with regular reporting required by the project leader (both external and internal) direct to the relevant subsidiary CEO. The table below details the number and types of projects currently in operation.

Management has elected to include all current research projects irrespective of size, both in terms of expenditure and time expected to be spent on the research.

How does management govern the research project process?

Judgment is applied at all stages of the research projects process. Research project proposals are presented to the CEO of the relevant subsidiary entity. The project will be reviewed by the subsidiary’s research steering group and if deemed to be of value to the Group and the body of knowledge regarding forestry, timber, dairy farming or climate change if will be recommended to the subsidiary CEO and Board. The CEO and Board may approve, reject or defer a project. Recommended projects requiring expenditure above a threshold of \$500,000 are referred on to the Group research steering group who may recommend or reject a project. This decision is reviewed by the Group CEO and Board, they may ask for further information to be provided, or require further evidence that the planned research project is an appropriate use of funds. The Group CEO and Board receive a monthly report on all research projects the Group is undertaking and may require a review of any project.

The Group invites University Students to apply for a research grant. The application is reviewed in the same manner as internal research project proposals. On receipt of a grant, students agree to make the results of their research available to the Group for use in the three key activities.

How did we perform?

Number of:		Actual 2022	Target ¹ 2022	Actual 2021	Target ² 2021
Research	Research Projects ²	21	30	10	20
	Type of research				
	- Forestry	15	15	8	16
	- Climate change	3	7	1	2
	- Dairy farming	3	8	1	2
	Research agencies employed	4		1	
	Group entities carrying out research	5	10	5	10
Development	Total grants made	14	15	6	10
	Concessionary loans made	1	1	1	1
Education	Students awarded research grants for university research	10	15	5	10

Key Research Projects

Completion Dates

Forestry

- Development of quality timber specifically considering structural use, wood treatments, fire resistance, and durability (10 separate research projects in progress)
- Environmental impacts focussing on sustainability including deforestation and loss of wildlife habitats (5 separate research projects in progress)

Of the 15 Forestry projects currently in progress, 4 will be completed in the 2022 year and the remaining 11 over the period 2023 to 2026.

The eight Forestry projects underway in 2021, have continued into the current year. The Government Grant as detailed in [Note 26A](#) has provided funding for these projects in 2022.

Climate Change

The three climate change research projects consider the roles of forests in climate change.

As per the Food and Agriculture Organisation of the United Nations:

Forests have four major roles in climate change:

1. *they currently contribute about one-sixth of global carbon emissions when cleared, overused or degraded;*
2. *they react sensitively to a changing climate;*
3. *when managed sustainably, they produce wood-fuels as a benign alternative to fossil fuels;*
4. *and finally, they have the potential to absorb about one-tenth of global carbon emissions projected for the first half of this century into their biomass, soils and products and store them - in principle in perpetuity.*

Project A considers points 1 and 2 above, project B point 2 and project C point 3.

All climate change projects are currently only focussed on the New Zealand situation, but researchers are considering expanding research zones to other countries with similar climates to NZ.

The climate change projects are all multi-year research projects.

Project A is due to be completed in 2026, while projects B and C are due for completion in 2024 and 2025 respectively.

¹ Optional disclosure

² Total research projects awarded funds across the Group

Key Research Projects

Completion Dates

Dairy Farming

The three dairy farming projects are sited in three different areas of New Zealand – being Northland, Waikato and Canterbury. The aim is to determine whether the impacts of similar size dairy farms using the same dairy farming practices have the same impact on each of the three distinct areas.

Each project runs for exactly two years and commenced on 1 April 2021.

Outlook for 2022 and beyond



Research

Fully review all research projects both proposed and current to ensure they support our vision, purpose and objectives. Actively recruit doctoral students to whom we have provided grants to join NZFTER Inc and continue their research.



Development

Ensure subsidiary entities are working to not only research and develop high quality timber and forestry/farming practices that protect our environment; but are also strengthening relationships with timber farmers applying our practices and looking to develop relationships with those who aren't yet part of the NZFTER Inc community.



Education

Meet our targets for providing research grants and increase the geographical distribution of the grants.
Continue to publish findings from climate change research
In the future look to establish an education centre to provide training for timber and dairy farmers.



Independent Auditor's Report

To the readers of the financial report of New Zealand Forest and Timber Environmental Research Inc.

Report on the consolidated financial statements

Opinion

In our opinion, the accompanying consolidated financial statements of New Zealand Forest and Timber Environmental Research Inc. (the "Incorporated society") and its subsidiaries on pages 14 to 101:

- i. Present fairly in all material respects the Incorporated society's financial position as at 31 March 2022 and its comprehensive revenue and expense and cash flows for the year ended on that date; and
- ii. Comply with Public Benefit Entity Accounting Standards (Not-For-Profit).

We have audited the accompanying financial statements which comprise:

- The consolidated statement of financial position as at 31 March 2022;
- the consolidated statements of comprehensive revenue and expense, changes in equity, and cash flows for the year then ended; and
- notes, including a summary of significant accounting policies and other explanatory information.



Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (New Zealand) (ISA's (NZ)). We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

We are independent of the Incorporated society in accordance with Professional and Ethical Standard 1 (Revised) Code of Ethics for Assurance Practitioners issued by the New Zealand Auditing and Assurance Standards Board and the International Ethics Standards Board for Accountants' Code of Ethics for Professional Accountants (IESBA Code), and we have fulfilled our other ethical responsibilities in accordance with these requirements and the IESBA Code.

Our responsibilities under ISAs (NZ) are further described in the Auditor's responsibilities for the audit of the financial statements section of our report.

Our firm has also provided other services to the Incorporated society in relation to regulatory compliance. Subject to certain restrictions, partners and employees of our firm may also deal with the Incorporated society on normal terms within the ordinary course of trading activities of the business of the Incorporated society. These matters have not impaired our independence as auditor of the Incorporated society. The firm has no other relationship with, or interest in, the Incorporated society.



Use of this independent auditor's report

This independent auditor's report is made solely to the readers of the financial report as a body. Our audit work has been undertaken so that we might state to the readers of the financial report those matters we are required to state to them in the independent auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the readers of the financial report as a body, for our audit work, this independent auditor's report or any of the opinions we have formed.



Responsibilities of Management for the consolidated financial statements

Management, on behalf of the Incorporated society, are responsible for:

- the preparation and fair presentation of the consolidated financial statements in accordance with generally accepted accounting practice in New Zealand (being Public Benefit Entity Accounting Standards (Not-For-Profit));
- implementing necessary internal control to enable the preparation of a consolidated set of financial statements that is fairly presented and free from material misstatement, whether due to fraud or error; and
- assessing the ability to continue as a going concern. This includes disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless they either intend to liquidate or to cease operations, or have no realistic alternative but to do so.



Auditor's responsibilities for the audit of the consolidated financial statements

Our objective is:

- to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error; and
- to issue an auditor's report that includes our opinion.

Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with International Standards on Auditing (New Zealand) will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error. They 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 consolidated financial statements.

A further description of our responsibilities for the audit of these consolidated financial statements is located at the External Reporting Board (XRB) website at:

https://www.xrb.govt.nz/Site/Auditing_Assurance_Standards/Current_Standards/Page7.aspx

This description forms part of our Auditor's Report.

The engagement partner on the audit resulting in this independent auditor's report is [Partner Name]

For and on behalf of

The KPMG logo is rendered in a stylized, handwritten-style font.

KPMG
Auckland

31 May 2022

Consolidated statement of financial position

As at 31 March 2022

	Note	2022 Actual	2021 Restated*
PBE IPSAS 1.21(a)	<i>In thousands of NZD</i>		
Assets			
PBE IPSAS 1.88(i)	16	505	1,850
PBE IPSAS 1.88(h)	14	31,115	22,765
PBE IPSAS 1.89		503	1,407
PBE IPSAS 1.88(g)	15	3,000	1,500
PBE IPSAS 1.88(d)	22	662	1,032
PBE IPSAS 1.88(f)	13	11,615	12,119
PBE IPSAS 1.89	12	32	31
PBE IPSAS 1.88.1(a)	17	14,400	-
PBE IPSAS 1.70		61,832	40,704
Current assets			
PBE IPSAS 1.88(a)	18	26,586	31,049
PBE IPSAS 1.88(c)	19	6,226	4,661
PBE IPSAS 1.89	12	4,698	4,025
PBE IPSAS 1.88(b)	20	1,420	300
PBE IPSAS 1.88(e)	21	2,489	1,948
PBE IPSAS 1.88(d)	22	3,616	3,525
PBE IPSAS 1.88(d,g)	15	827	-
PBE IPSAS 1.70		45,862	45,508
Non-current assets			
Total assets		107,694	86,212
Equity			
PBE IPSAS 1.94(f)		18,137	18,137
PBE IPSAS 1.95(a)		1,550	786
PBE IPSAS 1.95(c)		19,047	13,823
PBE IPSAS 1.95(b)			
PBE IPSAS 1.88 (o)		38,734	32,746
Equitable attributable to owners of the controlling entity			
PBE IPSAS 1.88(n)		3,825	3,109
PBE IPSAS 1.95(d)			
Non-controlling interests			
Total equity		42,559	35,855
Liabilities			
PBE IPSAS 1.88(m)	16	334	282
PBE IPSAS 1.88(m)	23	11,988	5,546
PBE IPSAS 1.88(k)	24	22,400	20,823
PBE IPSAS 1.89	26	177	168
PBE IPSAS 1.88(l)	27	660	1,540
PBE IPSAS 1.88(m)	25	500	500
PBE IPSAS 1.88.1(b)	17	4,410	-
PBE IPSAS 1.70		40,469	28,859
Current liabilities			
PBE IPSAS 1.88(m)	23	20,942	19,031
PBE IPSAS 1.88(k)	24	290	5
PBE IPSAS 1.89	26	1,424	1,462
PBE IPSAS 1.88(m)	25	1,000	1,000
PBE IPSAS 1.88(l)	27	1,010	-
PBE IPSAS 1.70		24,666	21,498
Non-current liabilities			
Total liabilities		65,135	50,357
Total equity and liabilities		107,694	86,212

*See notes [20](#) and [40](#)*The accompanying notes are an integral part of these financial statements.*

Consolidated statement of comprehensive revenue and expense

For the year ended 31 March 2022

PBE IPSAS 1.21(b) PBE IPSAS 1.22.1(a)	Note	2022 Actual	2021 Restated*
<i>In thousands of NZD</i>			
Continuing operations			
PBE IPSAS 1.109, 113			
PBE IPSAS 1.99.1(a)			
	8	94,630	92,624
	9(D)	(55,548)	(56,186)
PBE IPSAS 1.113		39,082	36,438
PBE IPSAS 23.106 (a)	8	8,428	4,005
PBE IPSAS 1.98.3	9(A)	783	194
	9(B)	(7,000)	(3,000)
PBE IPSAS 1.109, 113	9(D)	(17,912)	(16,277)
PBE IPSAS 1.109, 113	9(D)	(16,359)	(13,850)
PBE IPSAS 1.109, 113	9(D)	(1,109)	(697)
PBE IPSAS 1.99.1(ba)	28C(iii)	(150)	(30)
PBE IPSAS 1.109, 113	9(C)	(780)	-
PBE IPSAS 1.98.3		4,983	6,783
PBE IPSAS 1.98.3		1,130	447
PBE IPSAS 1.99.1(b)		(1,712)	(1,613)
PBE IPSAS 1.98.3	10	(582)	(1,166)
PBE IPSAS 1.99.1(c)	21	1,141	587
PBE IPSAS 1.98.3		5,542	6,204
Surplus/(deficit) for the year from continuing operations			
Discontinued operation			
PBE IPSAS 1.99.1(e)	Z	379	(422)
PBE IPSAS 1.98.1(a)		5,921	5,782
PBE IPSAS 1.99.1(f)			
PBE IPSAS 1.103.1			
PBE IPSAS 1.103.1	18(F)	200	-
PBE IPSAS 30.24(a)(vii)		141	68
PBE IPSAS 1.103.1(b)	21	(80)	(3)
PBE IPSAS 1.103.47		656	471
PBE IPSAS 30.24	28C(iv)	(3)	(8)
PBE IPSAS 1.103.1(b)	21	(172)	(166)
PBE IPSAS 30.15	29(D)	(20)	-
PBE IPSAS 30.27(c)	28C(iv)	(62)	95
PBE IPSAS 30.27(c)	28C(iv)	(30)	(11)
PBE IPSAS 1.103.1	28C(iv)	34	10
PBE IPSAS 1.103.4	28C(iv)	8	2
PBE IPSAS 30.24(a)(viii)		59	50
PBE IPSAS 30.24(a)(viii)		(64)	-
PBE IPSAS 1.98.1(b)		667	508
PBE IPSAS 1.98.1(c)		6,588	6,290
PBE IPSAS 1.98.2(a)			
PBE IPSAS 1.98.2(a)(ii)		5,397	5,415
PBE IPSAS 1.98.2(a)(i)		524	367
		5,921	5,782
PBE IPSAS 1.98.2(b)			
PBE IPSAS 1.98.2(b)(ii)		6,061	5,901
PBE IPSAS 1.98.2(b)(i)		527	389
		6,588	6,290

*See notes [20](#) and [40](#)

The accompanying notes are an integral part of these financial statements.

Consolidated statement of changes in equity

For the year ended 31 March 2021

Attributable to the owners of the controlling entity

PBE IPSAS 1.21(c),
PBE IPSAS 1.119(c)

	Note	Contributed capital	Translation reserve	Cost of hedging reserve	Hedging reserve	Fair value reserve	Revaluation reserve	Accumulated comprehensive revenue and expense	Total	Non-controlling Interest	Total equity
<i>In thousands of NZD</i>											
Balance at 1 April 2020		18,137	(119)	(35)	434	17	-	8,361	26,795	2,720	29,515
Impact of correction of errors	40	-	-	-	-	-	-	50	50	-	50
Restated balance at 1 April 2020		18,137	(119)	(35)	434	17	-	8,411	26,845	2,720	29,565
Total comprehensive revenue and expense											
Surplus for the year		-	-	-	-	-	-	5,415	5,415	367	5,782
Other comprehensive revenue and expense		-	275	12	84	118	-	3	488	22	508
Total comprehensive revenue and expense		-	275	12	84	118	-	5,412	5,901	389	6,290
Transactions with owners of the Entity											
Contributions		-	-	-	-	-	-	-	-	-	-
Distributions		-	-	-	-	-	-	-	-	-	-
Total contributions and distributions		-	-	-	-	-	-	-	-	-	-
Changes in ownership interests											
Acquisition of MI without a change in control		-	-	-	-	-	-	-	-	-	-
Acquisition of subsidiary with MI		-	-	-	-	-	-	-	-	-	-
Total changes in ownership interests		-	-	-	-	-	-	-	-	-	-
Total transactions with owners of the Entity		-	-	-	-	-	-	-	-	-	-
Restated balance at 31 March 2021		18,137	156	(23)	518	135	-	13,823	32,746	3,109	35,855

The accompanying notes are an integral part of these financial statements.

Consolidated statement of changes in equity

For the year ended 31 March 2022

PBE IPSAS 1.21(c),
PBE IPSAS
1.119(c)

Attributable to the owners of the controlling entity											
In thousands of NZD	Note	Contributed capital	Translation reserve	Cost of hedging reserve	Hedging reserve	Fair value reserve	Revaluation reserve	Accumulated comprehensive revenue and expense	Totals	Non-controlling Interest	Total equity
Balance at 31 March 2021		18,137	156	(23)	518	135	-	13,823	32,746	3,109	35,855
Total comprehensive revenue and expense											
Surplus for the year		-	-	-	-	-	-	5,397	5,397	524	5,921
Other comprehensive revenue and expense		-	458	42	(92)	136	200	(80)	664	3	667
Total comprehensive revenue and expense		-	458	42	(92)	136	200	5,317	6,061	527	6,588
Transactions with owners of the Entity											
Contributions		-	-	-	-	-	-	-	-	-	-
Distributions		-	-	-	-	-	-	-	-	-	-
Business Combinations		-	-	-	-	-	-	-	-	-	-
Total contributions and distributions		-	-	-	-	-	-	-	-	-	-
Hedging gains and losses and costs of hedging transferred to the cost of inventory	28C(iv)	-	-	6	6	-	-	-	12	-	12
Changes in ownership interests											
Acquisition of NCI without a change in control	31	-	8	-	-	-	-	(93)	(85)	(115)	(200)
Acquisition of subsidiary with NCI	29(D)	-	-	-	-	-	-	-	-	304	304
Total changes in ownership interests		-	8	-	-	-	-	(93)	(85)	189	104
Total transactions with owners of the Entity		-	8	-	-	-	-	(93)	(85)	189	104
Balance at 31 March 2022		18,137	622	25	432	271	200	19,047	38,734	3,825	42,559

PBE IPSAS 1 RDR
117.1

The accompanying notes are an integral part of these financial statements.

Consolidated statement of cash flows

For the year ended 31 March 2022

PBE IPSAS 1.21(d), 126 PBE IPSAS 2.18, 31	<i>In thousands of NZD</i>	Note	2022 Actual	2021
Cash flows from operating activities				
PBE IPSAS 2.27(a)	Cash receipts from customers		96,562	93,829
PBE IPSAS 2.27(a)	Cash receipts from bequests		-	-
PBE IPSAS 2.27(a)	Cash receipts from grants		5,238	3,000
PBE IPSAS 2.27(a)	Cash receipts from fundraising		1,500	-
PBE IPSAS 2.27(a)	Cash paid to suppliers and grant recipients		(93,767)	(91,436)
	Cash generated from operating activities		2,795	2,393
PBE IPSAS 2.40	Dividend received		-	-
PBE IPSAS 2.40	Interest paid		(1,499)	(1,366)
	Net cash from operating activities	<u>36</u>	1,296	1,027
Cash flows from investing activities				
PBE IPSAS 2.40	Interest received		6	19
PBE IPSAS 2.40	Dividends received		26	32
PBE IPSAS 2.25(b)	Proceed from sale of property, plant and equipment		1,177	397
PBE IPSAS 2.25(d)	Proceeds for sale of investments		1,476	605
PBE IPSAS 2.49	Disposal of discontinued operation, net of cash disposed of		6,875	-
PBE IPSAS 2.49	Acquisition of subsidiary, net of cash acquired		(1,799)	-
PBE IPSAS 2.49	Acquisition of equity-accounted investees		-	-
PBE IPSAS 2.25(a)	Acquisition of property, plant and equipment	18A	(15,657)	(2,408)
PBE IPSAS 2.25(a)	Acquisition of investment property	20A	(300)	(40)
PBE IPSAS 2.18	Purchase of non-current biological assets	12	(305)	(814)
PBE IPSAS 2.25(c)	Acquisition of other investments		(359)	(363)
PBE IPSAS 2.40	Dividends from equity-accounted investees		21	-
PBE IPSAS 2.25(a)	Development expenditure	19A , 19D	(1,235)	(503)
PBE IPSAS 2.25(e)	Concessionary loan to external third party		(1,000)	-
	Net cash used in investing activities		(11,074)	(3,075)
Cash flows from financing activities				
PBE IPSAS 2.26(a)	Proceeds from loans and borrowings		14,591	4,439
PBE IPSAS 2.18	Proceeds from settlement of derivatives		5	11
PBE IPSAS 2.18	Transactions costs related to loans and borrowings		(311)	-
PBE IPSAS 2.50(a)	Acquisition of non-controlling interests		(200)	-
PBE IPSAS 2.26(b)	Repayment of borrowings		(5,065)	(2,445)
PBE IPSAS 2.26(c)	Payment of finance lease liabilities	23C	(454)	(590)
	Net cash from financing activities	<u>37</u>	8,566	1,415
	Net decrease in cash and cash equivalents		(1,385)	(633)
	Cash and cash equivalents at 1 April*		1,568	2,226
PBE IPSAS 2.39	Effect of movements in exchange rates on cash held		(12)	(25)
	Cash and cash equivalents at 31 March*		171	1,568
PBE IPSAS 2.56	* Cash and cash equivalents includes bank overdrafts that are repayable on demand and form an integral part of the Group's cash management.			

The accompanying notes are an integral part of these financial statements.

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Notes to the Consolidated Financial Statements

1. Reporting entity

PBE IPSAS 1.63(a)-(b)
PBE IPSAS 1.150(a)-(b)

New Zealand Forest and Timber Environmental Research Inc. (The 'Entity') is domiciled in New Zealand with the Entity's registered office is at 5 Stanley Crescent, Wellington, New Zealand.

These consolidated financial statements comprise the Entity and its subsidiaries (together referred to as the 'Group').

New Zealand Forest and Timber Environmental Research Inc. is an incorporated society and is a charity registered with Charity Services (Charity Registration 985634). New Zealand Incorporated was a charity set up with contributed equity by Mr Brown to research how the forestry and timber industry in New Zealand could ensure the production of high-quality timber for the construction industry but without damaging the environment both ecologically and aesthetically. Environmental issues such as climate change and the impact of dairy farming on waterways are included in the research agenda. New Zealand Forest and Timber Environmental Research Inc., the charity and the Group are controlled by the Group's Board of Directors. The subsidiary entities of the Group are primarily involved in manufacturing paper and paper-related products, cultivating trees and selling wood. The subsidiaries also carry out research, however, all research projects are controlled by the parent entity.

2. Basis of Preparation

PBE IPSAS 1.28,
PBE IPSAS 127(a)
PBE IPSAS 1.28.2(a)-(c)

These consolidated financial statements have been prepared in accordance with New Zealand Generally Accepted Accounting Practice ("NZ GAAP"). They comply with the *PBE Accounting Standards* as appropriate for Tier 1 not-for profit public benefit entities. As a registered charity, New Zealand Forest and Timber Environmental Research Inc. is required to prepare financial statements in accordance with NZ GAAP as specified in standard XRB A1. The Group is a Tier 1 reporting entity as it has total expenditure greater than \$30 million in the two preceding reporting periods.

PBE IPSAS 1 RDR 28.3

[Entities that report in accordance with the Tier 2 PBE Accounting Standards shall disclose the criteria that establish them as eligible to report in accordance with Tier 2 PBE Accounting standards]

3. Functional and presentation currency

PBE IPSAS 1.63(d)-(e)
PBE IPSAS 1.65

These consolidated financial statements are presented in NZD, which is the Group's functional currency. All amounts have been rounded to the nearest thousand, unless otherwise indicated.

4. Basis of measurement

PBE IPSAS 1.127(a),
132(a)

The consolidated financial statements have been prepared on the historical cost basis except for the following items, which are measured on an alternative basis on each reporting date.

	Items	Measurement bases
	Derivative financial instruments	Fair value
	Non-derivative financial instruments at fair value through surplus or deficit	Fair value
	Financial assets at FVOCRE	Fair value
	Contingent consideration assumed in a business combination	Fair value
<i>PBE IPSAS 40.26</i>	Business combinations achieved through amalgamation	Carrying value
	Biological assets	Fair value
	Investment property	Fair value
	Liabilities for cash-settled shared-based payment agreements	Fair value

5. Use of judgements and estimates

PBE IPSAS 1.137 In preparing these consolidated financial statements, management has made judgements, estimates and assumptions that affect the application of the Group's accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revision to estimates are recognised prospectively.

A. Judgements

PBE IPSAS 1.140
PBE IPSAS 1.144-145 Information about judgements made in applying accounting policies that have the most significant effects on the amounts recognised in the consolidated financial statements is included in the following notes:

- Note [8](#) – commission revenue: whether the Group acts as an agent in the transaction rather than as a principal;
- Note [6\(A\)\(v\)](#) – classification of the joint arrangement;
- Notes [23\(C\)](#) and [33](#) – leases: whether an arrangement contains a lease;
- Note [6\(A\)\(ii\)](#) – consolidation: and
- Notes [33\(A\)](#) – lease classification.

PBE IPSAS 1.144(a) B. Assumptions and estimation uncertainties

Information about assumptions and estimation uncertainties that have a significant risk of resulting in material adjustments in the year ending 31 March 2022 are included in the following notes:

- Note [19\(C\)](#) - impairment test: key assumptions underlying recoverable amounts, including the recoverability of development costs;
- Note [27](#) recognition and measurement of provisions: key assumptions about the likelihood and magnitude of an outflow of resources; and
- Note [29\(C\)](#) – acquisition of subsidiaries: fair value measured on a provisional basis.

i. Measurement of fair values

A number of the Group's accounting policies and disclosures require the measurement of fair values, for both financial and non-financial assets and liabilities.

The Group has an established control framework with respect to the measurement of fair values. This includes a valuation team that has overall responsibility for overseeing all significant fair value measurements and reports directly to the chief financial officer.

The valuation team regularly reviews significant unobservable inputs and valuation adjustments. If third party information, such as broker quotes or pricing services, is used to measure fair values, then the valuation team assesses the evidence obtained from the third parties to support the conclusion that such valuations meet the requirements of PBE Accounting Standards, including the level in the fair value hierarchy in which such valuations should be classified.

Significant valuation issues are reported to the Group's Audit Committee.

When measuring the fair value of an asset or a liability, the Group uses observable market data as far as possible, or for non-cash-generating assets, depreciated replacement cost.

Further information about the assumptions made in measuring fair values is included in the following notes:

- Note [12\(B\)](#) – biological assets;
- Note [17](#) – disposal group held for sale;
- Note [18](#) – non-cash generating assets;
- Note [20\(B\)](#) – investment property;
- Note [28\(B\)](#) – financial instruments; and
- Note [29\(C\)\(i\)](#) – acquisition of subsidiary.

6. Summary of Significant Accounting Policies

Significant accounting policies are included in the notes to which they relate. Significant accounting policies that do not relate to a specific note are outlined below.

Note that Tier 2 entities shall disclose an explanation if it is impracticable to determine the amounts required to be disclosed for adjustments the current and prior periods on initial application of a PBE Standard. [PBE IPSAS 3 RDR 33.1]

A. Basis of consolidation

	<p>i) Business combination</p> <p>Acquisitions:</p> <p>The Group accounts for business combinations using the acquisition method when control is transferred to the Group. The acquisition method involves recognising at acquisition date the identifiable assets acquired, the liabilities assumed and any non-controlling interest, separate from goodwill. The consideration transferred in the acquisition is generally measured at fair value, as are the identifiable net assets acquired. Any goodwill that arises is tested annually for impairment (see Note 6(C)). Any gain on a bargain purchase is recognised in surplus or deficit immediately. Transactions costs are expensed as incurred, except if related to the issue of debt or equity securities (see Note 28).</p> <p>The consideration transferred does not include amounts related to the settlement of pre-existing relationships. Such amounts are generally recognised in surplus or deficit.</p> <p>Any contingent consideration is measured at fair value at the date of acquisition. If an obligation to pay contingent consideration that meets the definition of a financial instrument is classified as equity, then it is not remeasured and settlement is accounted for within equity. Otherwise, other contingent consideration is remeasured at fair value at each reporting date and subsequent changes in the fair value of the contingent consideration are recognised in surplus or deficit.</p> <p>Amalgamations:</p> <p>The Group accounts for business combinations achieved through an amalgamation using the modified pooling of interests method when control is transferred to the Group. The modified pooling of interests method involves recognising at amalgamation date the aggregate of operations acquired and any non-controlling interest. The operations acquired in an amalgamation are generally measured at carrying value, where appropriate values are adjusted to conform to the Group's overall accounting policies. Specific exceptions for income taxes and employee benefits are recognised where they are applicable. Amalgamation related costs are expensed as incurred.</p>
PBE IPSAS 40.59, 85, 88, 111	
PBE IPSAS 40 AG100	
PBE IPSAS 40.98, 117	
PBE IPSAS 40.16, 21, 26, 27, 31, 45	
	<p>ii) Subsidiaries</p> <p>Subsidiaries are entities controlled by the Group. The Group 'controls' an entity when it is exposed, or has rights, to variable benefits from its involvement with the other entity and has the ability to affect the nature or amount of those benefits through its power over the other entity. The financial statements of subsidiaries are included in the consolidated financial statements from the date on which control commences until the date on which control ceases.</p>
PBE IPSAS 35.19, 39	
	<p>iii) Non-controlling interests</p> <p>Non-controlling interests are measured at their proportionate share of the acquiree's identifiable net assets at the date of acquisition.¹</p> <p>Changes in the Group's interest in a subsidiary that do not result in a loss of control are accounted for as transactions with owners in their capacity as owners.</p>
PBE IPSAS 40.73	
PBE IPSAS 35.48, 51	
	<p>iv) Loss of control</p> <p>When the Group loses control over a subsidiary, it derecognises the assets and liabilities of the subsidiary, and any related non-controlling interests and other components of equity. Any resulting gain or loss is recognised in surplus or deficit. Any interest retained in the former subsidiary is measured at fair value when control is lost.</p>
PBE IPSAS 35.52, 54-55	

¹ An entity has a choice on a combination-by-combination basis to measure any non-controlling interests in the acquiree at either the proportionate share of the acquiree's identifiable net assets or fair value. The Group has elected the former approach.

v) Interest in equity-accounted investees

PBE IPSAS 37.7,
PBE IPSAS 36.8

The Group's interests in equity-accounted investees comprise interests in associates and a joint venture.

Associates are those entities in which the Group has significant influence, but not control or joint control, over the financial and operating policies. A joint venture is an arrangement in which the Group has joint control, whereby the Group has rights to the net assets of the arrangement, rather than rights to its assets and obligations for its liabilities.

PBE IPSAS 36.41-42

Interests in associates and the joint venture are accounted for using the equity method. They are initially recognised at cost, which includes transaction costs. Subsequent to initial recognition, the consolidated financial statements include the Group's share of the surplus or deficit and other comprehensive revenue and expense of equity-accounted investees, until the date on which significant influence or joint control ceases.

vi) Transactions eliminated on consolidation

PBE IPSAS 35.40(c),
PBE IPSAS 36.31

Intra-group balances and transactions, and any unrealised income and expenses arising from intra-group transactions, are eliminated. Unrealised gains arising from transactions with equity-accounted investees are eliminated against the investment to the extent of the Group's interest in the investee. Unrealised losses are eliminated in the same way as unrealised gains, but only to the extent that there is no evidence of impairment.

PBE IPSAS 34 RDR
20.1

A controlling entity, venturer with an interest in a jointly controlled entity or an investor in an associate that prepares financial statements applying Tier 2 PBE Standards shall disclose a description of the methods used to account for the investments in controlled entities, jointly controlled entities and associates.

PBE IPSAS 36 RDR
23.1

A Tier 2 entity is not required to comply with paragraph 23(d), which requires that the ultimate or any intermediate controlling entity of the venturer produces consolidated financial statements available for public use that comply with PBE Standards. In order to qualify for the exemption not to present consolidated financial statements, an entity must still comply with all the other conditions in paragraph 23.

B. Taxes

The Group is a registered charitable organisation and is therefore exempt from income tax under section CW 41 of the Income Tax Act 2007.

C. Impairment of Non-Financial Assets

PBE IPSAS 17.67
PBE IPSAS 21.16, 72A
PBE IPSAS 26.114

The classification of assets as non-cash generating assets is a highly judgmental matter. The Group defines cash-generating assets as those assets that are held with the primary objective of generating a commercial return. Therefore, non-cash generating assets would be those assets from which the Group does not intend (as its primary objective) to realise a commercial return. The Group's Head Office Complex and the fixtures and fittings contained therein are deemed to be non-cash generating assets as they are held for research and administrative purposes. The subsidiaries also hold some non-cash generating assets for research purposes.

i) Impairment of non-cash-generating assets

PBE IPSAS 21.25

The Group assesses at each reporting date whether there is an indication that a non-cash-generating asset may be impaired. If any indication exists, or when annual impairment testing for an asset is required, the Group estimates the asset's recoverable service amount. An asset's recoverable service amount is the higher of the non-cash generating asset's fair value less costs to sell and its value in use.

PBE IPSAS 21.52

Where the carrying amount of an asset exceeds its recoverable service amount, the asset is considered impaired and is written down to its recoverable service amount.

PBE IPSAS 21.40-43

In determining fair value less costs to sell, the Group engages an independent valuer to assess market value based on the best available information. The valuation is determined based on *[include details of the valuers approach to determining market value, i.e. what valuation techniques employed have been employed, e.g. comparison to recent market transactions for land and buildings comparable in size and location?]*

PBE IPSAS 21.26

For each asset, an assessment is made at each reporting date as to whether there is any indication that previously recognised impairment deficits may no longer exist or may have decreased. If such indication exists, the Group estimates the asset's recoverable service amount. A previously recognised impairment loss is reversed only if there has been a change in the assumptions used to determine the asset's

PBE IPSAS 21.52, 59	recoverable service amount since the last impairment loss was recognised. The reversal is limited so that the carrying amount of the asset does not exceed its recoverable service amount, nor exceed the carrying amount that would have been determined, net of depreciation, had no impairment loss been recognised for the asset in prior years. Such reversal is recognised in surplus or deficit.
	ii) Impairment of cash-generating assets
PBE IPSAS 26.22	At each reporting date, the Group reviews the carrying amounts of its non-financial assets (other than biological assets, investment property, inventories and deferred tax assets) to determine whether there is any indication of impairment. If any such indication exists, then the asset's recoverable amount is estimated. Goodwill is tested annually for impairment.
PBE IPSAS 26.77	For impairment testing, assets are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or CGUs. Goodwill arising from a business combination is allocated to CGUs or groups of CGUs that are expected to benefit from the synergies of combination.
PBE IPSAS 26.35	The recoverable amount of an asset or CGU is the greater of its value in use and its fair value less costs to sell. Value in use is based on the estimated future cash flows, discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset or CGU.
PBE IPSAS 26.91.1	An impairment loss is recognised if the carrying amount of an asset or CGU exceeds its recoverable amount. Impairment losses are recognised in surplus or deficit. They are allocated first to reduce the carrying amount of any goodwill allocated to the CGU, and then to reduce the carrying amounts of the other assets in the CGU on a pro rata basis.
PBE IPSAS 26.111.1	An impairment loss in respect of goodwill is not reversed. For other assets, an impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

D. Changes in significant accounting policies

PBE IPSAS 41.157.12, 15	<p>i) Interest Rate Benchmark Reform – Phase 2</p> <p>The Group has initially adopted Interest Rate Benchmark Reform – Phase 2 (Amendments to PBE IPSAS 29, 30 and 41) from 1 April 2021.</p> <p>The Group applied the Phase 2 amendments retrospectively. However, in accordance with the exceptions permitted in the Phase 2 amendments, the Group has elected not to restate comparatives for the prior periods to reflect the application of these amendments. Since the Group had no transactions for which the benchmark rate had been replaced with an alternative benchmark rate as at 31 March 2021, there is no impact on opening equity balances as a result of the retrospective application.</p> <p><i>Specific policies applicable from 1 April 2021 for interest rate benchmark reform</i></p> <p>The Phase 2 amendments provide practical relief from certain requirements in PBE Standards. These reliefs relate to modifications of financial instruments and lease contracts or hedging relationships triggered by a replacement of a benchmark interest rate in a contract with a new alternative benchmark rate.</p>
PBE IPSAS 41.72.1	<p>If the basis for determining the contractual cash flows of a financial asset or financial liability measured at amortised cost changed as a result of interest rate benchmark reform, then the Group updated the effective interest rate of the financial asset or financial liability to reflect the change that is required by the reform. A change in the basis for determining the contractual cash flows is required by interest rate benchmark reform if the following conditions are met:</p>
PBE IPSAS 41.72.3	<ul style="list-style-type: none"> - the change is necessary as a direct consequence of the reform; and - the new basis for determining the contractual cash flows is economically equivalent to the previous basis – i.e. the basis immediately before the change. <p>When changes were made to a financial asset or liability in addition to changes to the basis for determining the contractual cash flows required by interest rate benchmark reform, the Group first updated the effective interest rate of the financial asset or financial liability to reflect the change that is required by interest rate benchmark reform. After that, the Group applied the policies on accounting for modifications to the additional changes.</p>

PBE IPSAS
41.155.14, 15

Finally, the Phase 2 amendments provide a series of temporary exceptions from certain hedge accounting requirements when a change required by interest rate benchmark reform occurs to a hedged item and/or hedging instrument that permits the hedging relationship to be continued without interruption. The Group applied the following reliefs as and when uncertainty arising from interest rate benchmark reform was no longer present with respect to the timing and amount of the interest rate benchmark-based cash flows of the hedged item or hedging instrument:

- the Group amended the designation of a hedging relationship to reflect changes that were required by the reform without discontinuing the hedging relationship; and
- when a hedged item in a cash flow hedge was amended to reflect the changes that were required by the reform, the amount accumulated in the cash flow hedge reserve was deemed to be based on the alternative benchmark rate on which the hedged future cash flows are determined.

The details of the accounting policies are disclosed in [Note 28](#). See also [Note 28\(C\)\(iv\)](#) for related disclosures about risks, financial assets and financial liabilities indexed to LIBOR and hedge accounting.

ii) PBE IPSAS 40 PBE Combination

PBE IPSAS 40 came into effect for accounting periods starting on or after 1 January 2021, this standard replaces the former PBE IFRS 3 *Business Combinations* standard. PBE IPSAS 40 requires the Group to assess all future PBE combinations to determine whether the transaction is an acquisition or an amalgamation. The Group has adopted new accounting policies with regards to amalgamations.

Specific policies applicable from 1 April 2021 for amalgamations

The Group first assesses whether any business combination is categorised as an amalgamation or an acquisition. For amalgamations the Group reviews the business activities over which control is being obtained to determine whether the pre-existing accounting policies align with those used by the Group. Adjustments are made to the acquired activities as required.

E. Accounting standards issued not yet effective¹

PBE IPSAS 3.35 (a)-(b),
36

A number of new standards are effective for annual periods beginning after 1 April 2022 with earlier application is permitted. The Group has not yet early adopted these new or amended standards in preparing the consolidated financial statements. Those which may be relevant to the Group are set out below. The Group does not plan to adopt these standards early.

iii) PBE IFRS 17 Insurance Contracts and Amendments to PBE IFRS 17

PBE IFRS 17 Insurance Contracts is a forthcoming accounting standard specifically relating to how to account for insurance contracts. This standard (and the associated amendments) will be effective for financial periods that begin on or after 1 January 2023, and early adoption is permitted. The Group is still performing a detailed assessment of this standard, however it is not expected to have an impact on the Group due to the lack of contracts that have been written. The Group will continue to monitor this standard, any amendments and additional guidance from regulators to determine whether this will impact the financial statements of the Group.

¹ The Group has listed here only those standards that are relevant to the Group. For a listing of all PBE Standards and Interpretations that have been issued but are not yet effective, please refer to our quarterly *Public benefit entities: New standards* publications, available on the [KPMG NZ website](#).

7. Discontinued operations

In May 2021, the Group sold its entire packing division. Management committed to a plan to sell this division early in 2021, following a strategic decision to place greater focus on the Group's key competencies – i.e. the manufacturing of paper used in the printing industry, forestry and the manufacture of timber products.

The Packaging division was not previously classified as held-for-sale or as a discontinued operation. The comparative consolidated statement of surplus or deficit and OCI has been restated to show the discontinued operation separately from continuing operations.

A. Results of discontinued operation

<i>In thousands of NZD</i>		<i>Note</i>	2022	2021
<i>PBE IFRS 5.33(b)(i)</i>	Revenue		7,543	23,193
<i>PBE IFRS 5.33(b)(i)</i>	Expenses		(7,680)	(23,615)
<i>PBE IFRS 5.33(b)(i)</i>	Results from operating activities		(137)	(422)
<i>PBE IFRS 5.33(b)(iii)</i>	Gain on sale of discontinued operation		516	-
	Surplus (deficit) from discontinued operations, net of tax		379	(422)

PBE IFRS 5.33(d) The profit from the discontinued operation of \$379 thousand (2021: loss of \$422 thousand) is attributable entirely to the owners of the Entity. Of the profit from continuing operations of \$12,484 thousand (2021: \$6,526 thousand), an amount of \$11,960 thousand is attributable to the owners of the Entity (2021: \$5,849 thousand).

B. Cash flows from (used in) discontinued operation

<i>In thousands of NZD</i>		<i>Note</i>	2022	2021
<i>PBE IFRS 5.33(c)</i>	Net cash used in operating activities		(225)	(910)
<i>PBE IPSAS 2.22(n)</i>	Net cash from investing activities	7(C)	7,100	-
<i>PBE IFRS 5.33(c)</i>	Net cash flows for the year		6,875	(910)

C. Effect of disposal on the financial position of the Group

<i>In thousands of NZD</i>		<i>Note</i>	2022
	Property, plant and equipment		(3,961)
	Inventories		(134)
	Trade and other receivables		(3,955)
<i>PBE IPSAS 2.50(c)</i>	Cash and cash equivalents		(110)
	Trade and other payables		2,031
	Net assets and liabilities		(6,129)
<i>PBE IPSAS 2.50(a)-(b)</i>	Consideration received, satisfied in cash		7,210
	Cash and cash equivalents disposed of		(110)
	Net cash inflows	7(B)	7,100

Accounting Policy

PBE IFRS 5.32 A discontinued operation is a component of the Group's business, the operations and cash flows of which can be clearly distinguished from the rest of the Group and which:

- Represents a separate major line of business or geographic area of operations;
- Is part of a single co-ordinated plan to dispose of a separate major line of business or geographic area of operations; or
- Is a subsidiary acquired exclusively with a view to re-sale

Classification as a discontinued operation occurs at the earlier of disposal or when the operation meets the criteria to be classified as held-for-sale.

PBE IFRS 5.34 When an operation is classified as a discontinued operation, the comparative statement of surplus or deficit and other comprehensive revenue and expense is re-presented as if the operation had been discontinued from the start of the comparative year.

8. Revenue

	Note	Continuing operations		Discontinued operation (see Note 7)		Total	
		2022	2021	2022	2021	2022	2021
<i>In thousands of NZD</i>							
Revenue from exchange transactions:							
PBE IPSAS 9.39(b)(ii)		90,749	89,319	7,543	23,193	98,292	112,512
PBE IPSAS 9.39(b)(i)		3,120	2,786	-	-	3,120	2,786
PBE IPSAS 9.39(b)(i)		451	307	-	-	451	307
PBE IPSAS 16.86(f)(i)		310	212	-	-	310	212
Total Revenue from exchange transactions:		94,630	92,624	7,543	23,193	102,173	115,817
Revenue from non-exchange transactions:							
PBE IPSAS 23.106(a)(ii)							
PBE IPSAS 23.107(d)							
	Donations and goods-in-kind						
	Funds	12	5	-	-	12	5
	Property, plant and equipment	170	-	-	-	170	-
	Biological assets	5	-	-	-	5	-
PBE IPSAS 23.107(d)	Bequests - funds received	1,500	1,000	-	-	1,500	1,000
PBE IPSAS 23.106(a)(ii)	Grants	5,238	3,000	-	-	5,238	3,000
PBE IPSAS 23.106(a)(ii)	Fundraising	1,500	-	-	-	1,500	-
PBE IPSAS 23. A54	Concessionary loans	3	-	-	-	3	-
Total Revenue from non-exchange transactions:		8,428	4,005	-	-	8,428	4,005
		103,058	96,629	7,543	23,193	110,601	119,822

PBE IPSAS 23.108 Details of unrecognised Services-in-Kind
(Services-in-kind are disclosed in a narrative section at the foot of the Revenue note. Entities are encouraged to disclose the major classes of services in kind received, including those not recognised.)

Accounting Policies

Revenue from exchange transactions

i) Sale of goods

PBE IPSAS 9.28 Revenue is recognised when the significant risks and rewards of ownership have been transferred to the customer, recovery of the consideration is probable, the associated costs and possible return of goods can be estimated reliably, there is no continuing management involvement with the goods, and the amount of revenue can be measured reliably. Revenue is measured net of returns, trade discounts and volume rebates.

PBE IPSAS 9.29-30 The timing of the transfer of risks and rewards varies depending on the individual terms of the sales agreement. For sales of timber and paper products, the transfer usually occurs when the product is delivered to the customer's warehouse; however, for some international shipments the transfer occurs on loading the goods onto the relevant carrier at the port. Generally, for such products the customer has no right of return. For sales of livestock, transfer occurs on receipt by the customer.

Loyalty programme

PBE IPSAS 9.18 Revenue is allocated between the loyalty programme and the other components of the sale. The amount allocated to the loyalty programme is deferred, and is recognised as revenue when the Group has fulfilled its obligations to supply the discounted products under the terms of the programme or when it is no longer probable that the points under the programme or when it is no longer probably that the points under the programme will be redeemed.

ii) Rendering of services

PBE IPSAS 9.19, PBE IPSAS 9 IG3-17 The Group is involved in managing forest resources, as well as performing related services. If the services under a single arrangement are rendered in different reporting periods, then the consideration is allocated on a relative fair value basis between the different services.

The Group recognises revenue from rendering of services in proportion to the stage of completion of the transaction at the reporting date. The stage of completion is assessed based on surveys of work performed.

iii) Commissions

PBE IPSAS 9.12

If the Group acts in the capacity of an agent rather than as the principle in a transaction, then the revenue recognised is the net amount of commission made by the Group.

iv) Rental income from investment properties

PBE IPSAS 13.63

Rental income arising from operating leases on investment properties is accounted for on a straight-line basis over the lease term and included in revenue. The aggregate cost of lease incentives provided is recognised as a reduction of rental revenue over the lease term on a straight-line basis.

v) Interest income

PBE IPSAS 9.33, 34

Interest income is earned for the use of cash and cash equivalents or any amounts due to the Group.

Interest income is recognised in the statement of comprehensive revenue and expense as it is earned. Interest income is accrued using the effective interest rate method. The effective interest rate exactly discounts estimated future cash receipts through the expected life of the financial asset to that asset's net carrying amount. The method applies this rate to the principal outstanding to determine interest revenue each period.

Revenue from non-exchange transactions

vi) Non-exchange revenue

PBE IPSAS 23.7

Non-exchange transactions are those where the Group receives value from another entity (e.g. cash or other assets) without giving approximately equal value in exchange.

PBE IPSAS 23.12

Inflows of resources from non-exchange transactions, other than services in-kind, that meet the definition of an asset are recognised as an asset only when:

- It is probable that the Group will receive an inflow of economic benefits or service potential; and
- The fair value of can be measured reliably.

PBE IPSAS 23.17

Inflows of resources from non-exchange transactions that are recognised as assets are recognised as non-exchange revenue, to the extent that a liability is not recognised in respect to the same inflow.

Liabilities are recognised in relation to inflows of resources from non-exchange transactions when there is a resulting present obligation as a result of the non-exchange transactions, where both:

- It is probable that an outflow of resources embodying future economic benefit or service potential will be required to settle the obligation, and
- The amount of the obligation can be estimated reliably.

The following are the specific recognition criteria in relation to the Group's non-exchange transactions.

vii) Grants

PBE IPSAS 23.14-15

The recognition of non-exchange revenue from grants depends on whether the grant comes with any stipulations imposed on the use of a transferred asset.

PBE IPSAS 23.17-18

Stipulations that are 'conditions' specifically require the Group to return the inflow of resources received if they are not used in the way stipulated, resulting in the recognition of a liability that is subsequently recognised as non-exchange revenue as and when the 'conditions' are satisfied.

PBE IPSAS 23.19

Stipulations that are 'restrictions' do not specifically require the Group to return the inflow of resources received if they are not utilised in the way stipulated, and therefore do not result in the recognition of a non-exchange liability, which results in the immediate recognition of non-exchange revenue.

The Group receives grant funding from the Ministry of Environment. The grants are provided [*describe nature and conditions of grant e.g. to cover operational expenses in monitoring the environment impact of forestry operations*]. Depending on the stipulations of each grant the Group may or may not have to return unspent funds. If there are conditions attached, revenue in relation to that particular grant is not recognised until the conditions have been fulfilled. For grants with restrictions, the revenue is recognised when it is received by the Group.

viii) Gifts, donations and bequests

PBE IPSAS 23.12

Gifts, donations and bequests are voluntary transfers of assets including cash or other monetary assets, goods in-kind and services in-kind that the Group receives which are free from stipulations.

PBE IPSAS 23.93-97

Gifts, donations and bequests are recognised as revenue when it is probable that the future economic benefits or service potential will flow to the entity, and the fair value of the assets can be measured reliably. For gifts and donations this usually upon receipt of the gift or donation. However for bequests, a period of time may elapse between the death of the testator and the entity receiving any assets – in which case the entity makes an assessment of whether the deceased person's estate is sufficient to meet all claims on it to satisfy all bequests. If the will is disputed, this is taken into account in determining the probability of assets flowing to the entity. Gifts, donations and bequests are recognised as revenue at their fair value at the date of recognition.

PBE IPSAS 23.98

ix) Donated Services

The Group sometimes receives the donated services of agricultural research students. The Group has elected not to recognise these services as they are difficult to measure reliably and are immaterial in the context of the activities of the Group.

9. Income and expenses

	<i>In thousands of NZD</i>	<i>Note</i>	2022	2021
A. Other income				
PBE IPSAS 27.38	Change in fair value of biological assets	12 (A)	587	28
PBE IPSAS 16.87(d)	Increase in fair value of investment property	20 (A)	20	60
PBE IPSAS 1.107(c)	Gain on sale of property, plant and equipment		26	16
PBE IPSAS 13.44(c)	Rental income from property sub-leases	33 (A)(ii)	150	90
			783	194
B. Grant Expenditure				
	Grants for research		7,000	3,000
C. Other expenses				
PBE IFRS 5.41(c)	Impairment loss on re-measurement of disposal group	17 (A)	35	-
	Settlement of pre-existing relationship with acquiree	29 (A)	326	-
	Onerous contract charge on property sub-leases	27	160	-
	Earthquake-related expenses		259	-
			780	-
D. Expenditure by nature				
	Changes in inventories of finished goods and work in progress		(1,641)	(343)
	Raw materials		56,673	57,061
PBE IPSAS 1.115	Employee benefits	11	20,709	22,268
PBE IPSAS 1.115	Depreciation and amortisation	18 (A), 19 (A)	5,786	5,917
PBE IPSAS 17.88(e)(v)	Impairment of property, plant and equipment and goodwill	18(B), 19 (C)	(377)	1,408
PBE IPSAS 1.107(a)	Consultancy		2,866	882
	Advertising		2,550	1,150
	Maintenance		3,673	954
PBE IPSAS 13.44(C)	Lease and contingent rent	33 (A)(ii)	475	477
PBE IPSAS 1.116.1(a)	Auditor's remuneration			
	Audit of Financial Statements		70	60
	Other Services *		144	166
	Total cost of sales, selling and distribution, administrative and research and development expenses		90,928	90,000
PBE IPSAS 1.116.1(b)	* Other audit related services being review of financial information			
PBE IPSAS 1.116.2	other than financial reports, regulatory audits and advisory services.			

Accounting Policy

Grant expenditure is recognised once the grant is approved and committed to by both parties. The grant committee considers all applications and selects those that it considers meeting expenditure guidelines for further consideration by the Board. Once the Board approves the grants and the approval is communicated to the recipient, who returns a written acceptance, the expenditure is recognised. All grants must be applied for on an annual basis – there are no multi-year grants.

10. Net finance costs

	<i>In thousands of NZD</i>	<i>Note</i>	2022	2021
	Interest income under the effective interest method on:			
PBE IPSAS 30.24 (b)	- Corporate debt securities – FVOCRE		8	27
PBE IPSAS 30.24 (b)	- Corporate debt securities – at amortised cost		155	123
PBE IPSAS 30.24 (b)	- Cash and cash equivalents		2	1
PBE IPSAS 30.37(a)(v)	- Imputed interest on concessionary loan		43	-
PBE IPSAS 30.24 (b)	Total interest income arising from financial assets measured at fair value through surplus or deficit		208	151
PBE IPSAS 40.120(q)(ii)	Re-measurement to fair value of pre-existing interest in acquiree	29 (D)	250	-
	Dividend income:			
PBE IPSAS 30.14A(d)	- Equity securities – FVOCRE	22	26	32
PBE IPSAS 30.24 (a)(iii)	Corporate debt securities - FVOCRE			
	- Gain on derecognition reclassified from OCRE		64	-
PBE IPSAS 30.24 (a)(i)	Financial assets at FVTSD – net change in fair value:			
PBE IPSAS 30.24.1	- Mandatorily measured at FVTSD - held for trading		74	-
	- Mandatorily measured at FVTSD - other		508	-
	- Designated on initial recognition		-	264
	Finance income		1,130	447
PBE IPSAS 1.99.1(ba)	Finance cost – impairment loss on debt securities (net of reversals)	28 (C)(ii)	(59)	-
PBE IPSAS 30.24(b)	Financial liabilities measured at amortised cost – interest expense		(1,197)	(1,299)
PBE IPSAS 4.61(a)	Net foreign exchange loss		(174)	(243)
PBE IPSAS 19.97(e)	Unwind of discount on site restoration provision	27	(60)	(50)
PBE IPSAS 30.24(a)(i)	Change in fair value of contingent consideration	28 (B)(ii)	(20)	-
PBE IPSAS 30.28B(b)	Cash flow hedges – reclassified from OCRE including costs of hedging reserve		30	11
PBE IPSAS 30.28 (b)	Cash flow hedges – ineffective portion of changes in fair value		(15)	(13)
PBE IPSAS 30.28 (c)	Net investment hedge – ineffective portion of changes in fair value		(1)	-
	Financial assets at FVTSD – net change in fair value:			
PBE IPSAS 30.24(a)(i)	- Mandatorily measured at FVTSD - held for trading		-	(19)
PBE IPSAS 30.37(a)(ii)	Concessionary loans issued – fair value adjustment (initial recognition)	15	(216)	-
	Finance costs		(1,712)	(1,613)
	Net finance costs recognised in surplus or deficit		(582)	(1,166)

Accounting Policies

Finance income and Finance Costs

The Group's finance income and finance cost include:

- interest income;
- interest expense;
- dividend income;
- dividends on preference shares issued classified as financial liabilities;
- the net gain or loss on the disposal of financial assets at FVOCRE;
- the net gain or loss on financial assets at fair value through surplus or deficit;
- the foreign currency gain or loss on financial assets and financial liabilities;
- the gain on the measurement to fair value of any pre-existing interest in an acquire in a business combination;
- the fair value loss on contingent consideration classified as a financial liability;
- impairment deficits recognised on financial assets (other than trade receivables);
- the net gain or loss on hedging instruments that are recognised in surplus or deficit; and
- the reclassification of the net gains previously recognised in other comprehensive revenue and expense

PBE IPSAS 9.34(a) Interest income or expense is recognised using the effective interest method. Dividend income is recognised in surplus or deficit on the date on which the Group's right to receive payment is established.

Foreign currency transactions**(i) Foreign currency transactions**

PBE IPSAS 4.24, 27 Transactions in foreign currencies are translated into the respective functional currencies of the Group entities at the exchange rate at the dates of the transactions.

Monetary assets and liabilities denominated in foreign currencies are translated into functional currency at the exchange rate at the reporting date. Non-monetary assets and liabilities that are measured at fair value in a foreign currency are translated into the functional currency at the exchange rate when the fair value was determined. Non-monetary items that are measured based on historical cost in a foreign currency are translated at the exchange rate at the date of the transaction. Foreign currency differences are generally recognised in surplus or deficit.

However, foreign currency differences arising from the translation of the following items are recognised in other comprehensive revenue and expenses:

- PBE IPSAS 29.106(a), 113(a)*
AG 116 — equity investments at FVOCRE (except on impairment, in which case foreign currency differences that have been recognised in other comprehensive revenue and expense);
- a financial liability designated as a hedge of the net investment in a foreign operation to the extent that the hedge is effective (see Note 10(iii)); and
- qualifying cash flow hedges to the extent that the hedges are effective.

(ii) Foreign operations

PBE IPSAS 4.44 The assets and liabilities of foreign operations, including goodwill and fair value adjustments arising on acquisition, are translated into dollars at the exchange rates at the reporting date. The income and expenses of foreign operations are translated into dollars at the exchange rates at the dates of the transactions.

Foreign currency differences are recognised in other comprehensive revenue and expense and accumulated in the translation reserve, except to the extent that the translation difference is allocated to NCI.

PBE IPSAS 35.49
PBE IPSAS 4.46, 57, 58 When a foreign operation is disposed of in its entirety or partially such that control, significant influence or joint control is lost, the cumulative amount in the translation reserve related to that foreign operation is reclassified to surplus or deficit as part of the gain or loss on disposal. If the Group disposes of part of its interest in a subsidiary but retains control, then the relevant proportion of the cumulative amount is reattributed to NCI. When the Group disposes of only part of an associate or joint venture while retaining significant influence or joint control, the relevant proportion of the cumulative amount is reclassified to surplus or deficit.

(iii) Hedge of a net investment in foreign operation

The Group applies hedge accounting to foreign currency differences arising between the functional currency of the foreign operation and the Entity's functional currency (NZD).

PBE IPSAS 29.113 To the extent that the hedge is effective, foreign currency differences arising on the translation of a financial liability designated as a hedge of a net investment in a foreign operation are recognised in other comprehensive revenue and expense and accumulated in the translation reserve. Any remaining differences are recognised in surplus or deficit. When the hedged net investment is disposed of, the relevant amount in the translation reserve is transferred to surplus or deficit as part of the gain or loss on disposal.

11. Employee benefit expense

	<i>In thousands of NZD</i>	<i>Note</i>	2022	2021
	Wages and Salaries		19,983	21,356
PBE IPSAS 39.161	Expenses related to long-service leave		551	462
	Termination benefits	27(B)	175	450
			20,709	22,268
Accounting Policies				
(i) Short-term employee benefits				
PBE IPSAS 39.9	Short-term employee benefits are expensed as the related service is provided. A liability is recognised for the amount expected to be paid if the Group has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.			
(ii) Long-term employee benefits				
PBE IPSAS 39.159	The Group's net obligation in respect of long-term employee benefits is the amount of future benefit that employees have earned in return for their service in the current and prior periods. That benefit is discounted to determine its present value. Re-measurements are recognised in surplus or deficit in the period in which they arise.			
(iii) Termination benefits				
PBE IPSAS 39.168-171	Termination benefits are expensed at the earlier of when the Group can no longer withdraw the offer of those benefits and when the Group recognises costs for a restructuring. If benefits are not expected to be settled wholly with 12 months of the reporting date, then they are discounted.			

12. Biological assets

A. Reconciliation of carrying amount					
	<i>In thousands of NZD</i>	<i>Note</i>	Standing timber	Livestock	Total
	Balance at 1 April 2020		3,240	196	3,436
PBE IPSAS 27.48(b)	Purchases		743	92	835
PBE IPSAS 27.48(i)	Sales of livestock		-	(63)	(63)
PBE IPSAS 27.48(f)	Harvested timber transferred to inventories		(293)	-	(293)
PBE IPSAS 27.46					
PBE IPSAS 27.48(a)	Change in fair value less costs to sell:				
PBE IPSAS 27.49	- Due to price changes	9(A)	(17)	22	5
PBE IPSAS 27.49	- Due to physical changes	9(A)	15	8	23
PBE IPSAS 27.48(h)	Effect of movements in exchange rates		68	45	113
	Balance at 31 March 2021		3,756	300	4,056
	Non-current		3,756	269	4,025
	Current		-	31	31
	Balance at 1 April 2021		3,756	300	4,056
PBE IPSAS 27.48(b)	Purchases		294	6	300
PBE IPSAS 27.48(i)	Sales of livestock		-	(127)	(127)
PBE IPSAS 27.48(i)	Donated livestock		-	5	5
PBE IPSAS 27.48(f)	Harvested timber transferred to inventories		(135)	-	(135)
PBE IPSAS 27.46					
PBE IPSAS 27.48(a)	Change in fair value less costs to sell:				
PBE IPSAS 27.49	- Due to price changes	9(A)	92	59	151
PBE IPSAS 27.49	- Due to physical changes	9(A)	315	121	436
PBE IPSAS 27.48(h)	Effect of movements in exchange rates		30	14	44
	Balance at 31 March 2022		4,352	378	4,730
	Non-current		4,352	346	4,698
	Current		-	32	32
			4,352	378	4,730

PBE IPSAS 27 RDR
48.1 – 48.2

A Tier 2 entity is not required to disclose the reconciliation specified in paragraph 48 for prior periods.

A Tier 2 entity is not required to disclose separately the gain or loss arising from changes in fair value less costs to sell for biological assets and consumable biological assets as specified in paragraph 48(a).

<p>PBE IPSAS 27.39, PBE IPSAS 27.44(b)(i)</p>	<p>At 31 March 2022, standing timber comprised approximately 3,310 hectares of pine tree plantations (2021: 3,230 hectares), which ranges from newly established plantations that were 30 years old. \$282 thousand (2021: \$513 thousand) of the standing timber was less than one year old and considered to be immature assets.</p>
<p>PBE IPSAS 27.39, PBE IPSAS 27.44(b)(i)-(ii) PBE IPSAS 27 RDR 39.1</p>	<p>At 31 March 2022, livestock comprised 1,875 cattle and 3,781 sheep (2021: 1,260 cattle and 3,314 sheep). During the 2022 reporting period, the Group sold 289 cattle and 286 sheep (2021: 150 cattle and 175 sheep).¹</p> <p><i>A Tier 2 entity is not required to distinguish between consumable and bearer biological assets as required by paragraph 39.</i></p>
<p>PBE IPSAS 27.47(a)</p>	<p>There is no title restriction over any biological assets and no biological assets are pledged as security over liabilities.</p>
<p>PBE IPSAS 27.47(b)</p>	<p>There is no restriction on the entity's use of capacity to sell any of biological assets.</p>
<p>PBE IPSAS 27.47(c)</p>	<p>There are no commitments for the development or acquisition of biological assets.</p>

B. Measurement of fair values

i) Valuation techniques and significant assumptions

PBE IPSAS 27.44
PBE IPSAS 27.45

The following table shows the valuation techniques used in measuring fair values.

Type [PBE IPSAS 27.39, 44(a)]	Valuation technique	Significant assumptions
<p>Standing timber</p> <p>Standing timber older than 25 years (the age at which it becomes marketable)</p> <p>Consumable biological asset held for sale</p>	<p><i>Discounted cash flows:</i> The valuation model considers the present value of the net cash flows expected to be generated by the plantation. The cash flow operations include specific estimates for [x] years. The expected net cash flows are discounted using a risk-adjusted discount rate.</p>	<ul style="list-style-type: none"> — Estimated future timber market prices per tonne (2021: \$12.8-17.9, weighted average \$16.25; 2020: \$11.6-16.3, weighted average \$15.15). — Estimated yields per hectare (2021: 6-10, weighted average 8; 2020: 5-10, weighted average 7.5). — Estimated harvest and transportation costs (2021: 6.4-8.3%, weighted average 7.5%; 2020: 6.3-7.8%, weighted average 6.7%). — Risk-adjusted discount rate (2021: 7.9-9.0%, weighted average 8.6%; 2020: 7.1-8.3%, weighted average 7.8%).

¹ Tier 2 entities are not required to describe:

- a) the nature of its activities involving each group of biological assets;
- b) the non-financial measures or estimates of the physical quantities of each group of the entity's biological assets at the end of the period and output of agricultural produce during the period; and
- c) to distinguish between consumable and bearer biological assets.

<p>Younger standing timber</p> <p>Consumable biological asset held for sale</p>	<p><i>Cost approach and discounted cash flows:</i> The Group considers both approaches and reconciles and weighs the estimates under each approach based on its assessment of the judgement that market participants would apply. The cost approach considers the costs of creating a comparable plantation, taking into account the costs of infrastructure, cultivation and preparation, buying and planting young trees with an estimate of the surplus that would apply to this activity. Discounted cash flows consider the present value of the net cash flows expected to be generated by the plantation at maturity, the expected additional biological transformation and the risks associated with the asset. The expected net cash flows are discounted using risk-adjusted discount rates.</p>	<ul style="list-style-type: none"> — Estimated costs of infrastructure per hectare (2021: \$0.8-1.1, weighted average \$0.95; 2020: \$0.8-1.2, weighted average \$0.97). — Estimated costs of cultivation and preparation per hectare (2021: \$0.2-0.4, weighted average \$0.3; 2020 \$0.3-0.4, weighted average \$0.35). — Estimated costs of buying and planting young trees (2021: \$1.0-1.3, weighted average \$1.25; 2020 \$1.1-1.3, weighted average \$1.2). — Estimated future timber market prices per tonne (2021: \$13.8-19.8, weighted average \$17.05; 2020 \$13.7-19.5, weighted average \$16.6). — Estimated yields per hectare (2021: 6-11, weighted average 8.6; 2020: 7-11, weighted average 8.9). — Risk-adjusted discount rate (2021: 8.9-9.9%, weighted average 9.4%; 2020: 9.4-9.9, weighted average 9.6%).
<p>Livestock</p> <p>Livestock comprises cattle and sheep, characterised as commercial or breeders.</p> <p>Consumable biological asset held for sale</p>	<p><i>Market comparison technique:</i> The fair values are based on the market price of livestock of similar age, weight and market values.</p>	<p>Not applicable.</p>

PBE IPSAS 1.25

The estimated yields per hectare of pine tree plantations are determined mainly based on the age of the plantation, historical yields, the potential impact of extreme weather events and harvest loss due to disease and pests. Historical yields of younger standing timber have been adjusted downwards by 0.8% (2021: 0.78%) to reflect potential losses due to severe storms and high winds and by 0.3% (2021: 0.26%) for all other factors. The risk of potential losses due to fire is reflected in the cash flows by including the estimated cost of fire insurance.

The Group assessed the impact of climate change on the estimated yields per hectare for younger standing timber. By considering the impact of higher temperatures (an increase of 2°C by 2050) on the growth rate of pine trees and on the intensity and frequency of storms, the Group concluded that, overall, the positive effects (accelerated growth) and negative effects (increase in the frequency of storms) would have an immaterial impact on yields. Due to the high degree of estimation uncertainty around the impact of climate change on the intensity and frequency of storms, this conclusion may change in the future.

The fair value of younger timber reflects on average five days per year of intense high winds. Fair value would decrease by 323 assuming 10 days per year of intense high winds.

PBE IPSAS 27.47(d)

C. Risk management strategy related to agricultural activities

The Group is exposed to the following risks relating to its pine tree plantations

/) Regulatory and environmental risks

The Group is subject to laws and regulations in various countries in which it operates. The Group has established environmental policies and procedures aimed at compliance with local environmental and other laws.

ii) Supply and demand risk

The Group is exposed to risks arising from fluctuations in the price and sales volumes of pine. When possible, the Group manages this risk by aligning its harvest volume to market supply and demand. Management performs regular industry trend analyses for projected harvest volumes and pricing.

iii) Climate and other risks

The Group's pine plantations are exposed to the risk of damage from extreme weather events such as storms, high winds and drought. Changes in global climate conditions could intensify one or more of these events. Periods of drought and associated high temperatures may increase the risk of forest fires and insect breakouts. In addition to their effects on forest yields, extreme weather events may also increase the cost of operations. The Group has extensive processes in place aimed at monitoring and mitigating these risks through proactive management and early detection. The Group has incorporated considerations for climate change into its reforestation practices, such as the establishment and maintenance of fire breaks and increased monitoring during fire danger periods.

Physical risks arising from fires and drought are to a great extent subject to risk transfer and thereby within the Group's property and business interruption insurance programmes. However, should the frequency and severity of these events increase as a result of climate change, the cost of such coverage may increase.

Accounting Policy

Biological assets are measured at fair value less costs to sell, with any change therein recognised in surplus or deficit. To the extent that biological assets were received through non-exchange transactions (for no cost or for a nominal cost), the cost of the biological asset is its fair value at the date of acquisition.

PBE IPSAS 27.16 – 18

13. Inventories

	<i>In thousands of NZD</i>	<i>Note</i>	2022	2021
PBE IPSAS 12.47(b)	Raw materials and consumables		4,860	5,753
PBE IPSAS 12.47(b)	Work in progress		2,555	1,661
PBE IPSAS 12.47(b)	Finished goods		4,200	4,705
	Inventories		11,615	12,119
PBE IPSAS 12.47(h)	Carrying amount of inventories subject to retention of title clauses		1,650	2,090
PBE IPSAS 12.47(d)	During the 2022 reporting period, inventories of \$56,673 thousand (2021: \$57,061 thousand) were recognised as an expense during the reporting period and included in "cost of sales".			
PBE IPSAS 12.47(e)-(g)	No inventories have been written down during the reporting period (2021: nil) and no previous write-downs have been reversed (2021: nil)			

Accounting Policy

PBE IPSAS 12.9	Inventory is measured at cost upon initial recognition. To the extent that inventory was received through non-exchange transactions (for no cost or for a nominal cost), the cost of the inventory is its fair value at the date of acquisition.
PBE IPSAS 12.15-18, 12.47(a)	In the case of manufactured inventories (primarily timber for construction and paper products) and work in progress, cost includes an appropriate share of production overheads based on normal operating capacity. After initial recognition, inventory is measured at the lower of cost and net realisable value. However, to the extent that a class of inventory is distributed or deployed at no charge or for a nominal charge, that class of inventory is measured at the lower of cost and current replacement cost.
PBE IPSAS 12.29	The cost of standing timber transferred from biological assets is its fair value less costs to sell at the date of the harvest.

14. Receivables – exchange transactions

See accounting policy in [Note 8 Revenue](#) and [Note 28 Financial Instruments \(i\)-\(ii\)](#).

	<i>In thousands of NZD</i>	<i>Note</i>	2022	2021
PBE IPSAS 1.94(b)	Trade receivables due from related parties	35(C)	1,236	642
PBE IPSAS 1.94(b)	Loans to directors	38(C)(ii)	78	32
PBE IPSAS 1.94(b)	Other trade receivables	27A	29,801	22,091
			31,115	22,765
	Non-current		-	-
	Current		31,115	22,765
			31,115	22,765

A. Transfer of trade receivables

PBE IPSAS 30.18, 17(a)-(b) The Group transferred trade receivables to a bank for cash proceeds. The trade receivables have not been derecognised from the statement of financial position, because the Group retains substantially all of the risks and rewards, primarily credit risks. The amount received on transfer has been recognised as a secured bank loan (see [Note 23\(A\)](#))

The following table shows the carrying amount of trade receivables at the year-end that have been transferred but have not been recognised

<i>In thousands of NZD</i>	2022	2021
Trade receivables due from related parties	7,600	1,000

B. Credit and market risks, and impairment deficits

Information about the Group's exposure to credit and market risks, and impairment deficits for trade and other receivables, excluding construction contracts in progress, is included in [Note 28\(C\)](#).

15. Receivables – non exchange transactions

See accounting policy in Note 8 Revenue and Note 28 Financial Instruments (i)-(ii) .				
<i>In thousands of NZD</i>				
	<i>Note</i>	2022	2021	
PBE IPSAS 1.94(b)		3,000	1,500	
	15C	827	-	
		3,827	1,500	
		827	-	
		3,000	1,500	
		3,827	1,500	
A. Monetary receivables – non exchange transactions				
The Group has received notification of a bequest and is waiting for probate to be completed. We have no reason to believe the bequest will not be received within the next three months.				
B. Credit and market risks, and impairment deficits				
Information about the Group's exposure to credit and market risks, and impairment deficits for trade and other receivables is included in Note 28C .				
C. Concessionary loan				
PBE IPSAS 1.94(b) PBE IPSAS 30.37(c)	During the 2021 reporting period the Group issued a loan to an external third party at terms and interest rates that were below market for what would have been provided for a similar loan for a similar counter party on a market basis.			
	The purpose of the loan was to assist the external third party in researching the environmental impacts of forestry.			
	The loan was issued with the following terms:			
	— Loan principal: \$1,000,000			
	— Contractual interest rate: 0%			
	— Maturity: 5 years			
	— Repayment schedule: Principal payable at maturity			
PBE IPSAS 30.37(d)	To determine the day one fair value of the concessionary loan issue a market effective interest rate of 5% was applied to discount the contractual cash flow (principal only) back to present value. The rate applied is the same that would be used in the market for a loan of identical terms and counter party risks.			
<i>In thousands of NZD</i>				
	<i>Note</i>	2022	2021	
PBE IPSAS 30.37(a)	Opening balance	-	-	
PBE IPSAS 30.37(a)(i)	Nominal value of new loan issued	1,000	-	
PBE IPSAS 30.37(a)(ii)	Fair value adjustment	(216)	-	
PBE IPSAS 30.37(a)(iii)	Repayments during period	-	-	
PBE IPSAS 30.37(a)(v)	Imputed interest (market effective rate)	43	-	
PBE IPSAS 30.37(a)(iv)	Impairment	-	-	
	Closing balance	827	-	
	Non-current	827	-	
	Current	-	-	
		827	-	

16. Cash and cash equivalents

<i>In thousands of NZD</i>			
		2022	2021
	Bank balances	51	988
	Call deposits	454	862
	Cash and cash equivalents in the statement of financial position	505	1,850
	Bank overdrafts used for cash management purposes	(334)	(282)
PBE IPSAS 2.56	Cash and cash equivalents in the statement of cash flows	171	1,568
	The Group has pledged part of its call deposits (see 23(A))		

Accounting Policy

PBE IPSAS 2.8
PBE IPSAS 2.57 Cash and cash equivalents comprise cash on hand and cash at bank, deposits on call and highly liquid investments with an original maturity of three months or less, which are readily convertible to known amounts of cash and are subject to insignificant risk of changes in value.

17. Disposal group held for sale

PBE IFRS 5.41(a),(b) In June 2021, management commits to a plan to sell part of a manufacturing facility within the Standard Papers division. Accordingly, part of that facility is presented as a disposal group held for sale. Efforts to sell the disposal group have started and a sale is expected by April 2022.

A. Impairment deficits relating to the disposal group

PBE IFRS 5.41(c) Impairment deficits of \$35 thousand for write-downs of the disposal group to the lower of its carrying amount and its fair value less costs to sell have been included in 'other expenses' (see [Note 9 \(C\)](#)). The Impairment deficits have been applied to reduce the carrying amount of property, plant and equipment within the disposal group.

B. Assets and liabilities of disposal group held for sale

PBE IFRS 5.38 At 31 March 2022, the disposal group was stated at fair value less costs to sell and comprised the following assets and liabilities.⁽¹⁾

<i>In thousands of NZD</i>	2022
Property, plant and equipment	8,129
Inventories	2,775
Trade and other receivables	3,496
Assets held for sale	14,400
Trade and other payables	4,410
Liabilities held for sale	4,410

(1) PBE IFRS 5 RDR 35.1 [Disclosure Guidance only] A Tier 2 entity is not required to disclose the nature and amount of the adjustments in the current period required by paragraph 35.

C. Cumulative income or expenses included in OCI

PBE IFRS 5.38 There are no cumulative income or expenses included in OCI relating to the disposal group.

D. Classification

PBE IFRS 5.42 During the reporting period there has been no change in the classification of the disposal group held for sale.

Accounting Policy

PBE IFRS 5.6 Non-current assets, or disposal groups comprising assets and liabilities, are classified as held-for-sale if it is highly probable that they will be recovered primarily through sale rather than through continuing use.

PBE IFRS 5.15-15(a)
PBE IFRS 5.18 – 23, 25 Such assets, or disposal groups, are generally measured at the lower of their carrying amount and fair value less costs to sell. Any impairment loss in disposal group is allocated first to goodwill, and then to the remaining assets and liabilities on a pro rata basis, except that no loss is allocated to inventories, financial assets, employee benefit assets, investment property or biological assets, which continue to be measured in accordance with the Group's other accounting policies. Impairment deficits on initial classification as held-for-sale or held-for-distribution and subsequent gains and losses on re-measurement are recognised in surplus or deficit.

Once classified as held-for-sale, intangible assets and property, plant and equipment are no longer amortised or depreciated, and any equity-accounted investee is no longer equity accounted.

18. Property, plant and equipment

PBE IPSAS 1.94(a)	<i>In thousands of NZD</i>	<i>Note</i>	Land and buildings	Plant and equipment	Fixtures and fittings	Under constr- uction	Total
A. Reconciliation of carrying amount							
Costs							
PBE IPSAS 17.88(e)	Balance at 1 April 2020 ⁽¹⁾		7,328	29,509	5,289	-	42,126
PBE IPSAS 17.88(e)(i)	Additions		193	1,540	675	-	2,408
PBE IPSAS 17.88(e)(ix)	Disposals		-	(1,081)	-	-	(1,081)
PBE IPSAS 17.88(e)(viii)	Effect of movements in exchange rates		-	316	171	-	487
PBE IPSAS 17.88(d)	Balance at 31 March 2021		7,521	30,284	6,135	-	43,940
PBE IPSAS 17.88(d)	Balance at 1 April 2021		7,521	30,284	6,135	-	43,940
		29(C)					
PBE IPSAS 17.88(e)(iii)	Acquisitions through business combinations	30	435	2080	290	-	2,805
PBE IPSAS 17.88(e)(i)	Additions (exchange)		1,500	8,874	557	4,100	15,031
PBE IPSAS 17.88(e)(i)	Additions (non-exchange)		-	170	-	-	170
PBE IPSAS 17.88(e)(ix)	Reclassification of investment property – depreciation offset		(300)	-	-	-	(300)
PBE IPSAS 17.88(e)(iv)	Revaluation of building reclassified to investment property		200	-	-	-	200
PBE IPSAS 17.88(e)(ix)	Reclassification to investment property	20(A)	(800)	-	-	-	(800)
PBE IPSAS 17.88(e)(ii)	Reclassification to assets held for sale	17(B)	-	(9,222)	-	-	(9,222)
PBE IPSAS 17.88(e)(ix)	Disposals		-	(11,972)	(2,100)	-	(14,072)
PBE IPSAS 17.88(e)(viii)	Effect of movements in exchange rates		-	91	50	-	141
PBE IPSAS 17.88(d)	Balance at 31 March 2022		8,556	20,305	4,932	4,100	37,893
Accumulated depreciation and impairment losses							
PBE IPSAS 17.88(d)	Balance at 1 April 2020 ⁽¹⁾		693	5,557	939	-	7,189
PBE IPSAS 17.88(e)(vii)	Depreciation	9(D)	123	4,240	759	-	5,122
PBE IPSAS 17.88(e)(v)	Impairment loss	9(D), 19(C)	-	1,123	-	-	1,123
PBE IPSAS 17.88(e)(ix)	Disposals		-	(700)	-	-	(700)
PBE IPSAS 17.88(e)(viii)	Effect of movements in exchange rates		-	98	59	-	157
PBE IPSAS 17.88(d)	Balance at 31 March 2021		816	10,318	1,757	-	12,891
PBE IPSAS 17.88(d)	Balance at 1 April 2021		816	10,318	1,757	-	12,891
PBE IPSAS 17.88(e)(vii)	Depreciation	9(D)	120	4,140	741	-	5,001
PBE IPSAS 17.88(e)(vi)	Reversal of impairment deficits	9(D)	-	(393)	-	-	(393)
PBE IPSAS 17.88(e)(ix)	Reclassification to investment property – depreciation offset		(300)	-	-	-	(300)
PBE IPSAS 17.88(e)(ii)	Reclassification to assets held for sale	17(B)	-	(1,058)	-	-	(1,058)
PBE IPSAS 17.88(e)(ix)	Disposals		-	(3,808)	(1,127)	-	(4,935)
PBE IPSAS 17.88(e)(viii)	Effect of movements in exchange rates		-	63	38	-	101
PBE IPSAS 17.88(d)	Balance at 31 March 2022		636	9,262	1,409	-	11,307
Carrying amounts							
PBE IPSAS 17.88(d)	At 1 April 2020		6,635	23,952	4,350	-	34,937
PBE IPSAS 17.88(d)	At 31 March 2021		6,705	19,966	4,378	-	31,049
PBE IPSAS 17.88(d)	At 31 March 2022		7,920	11,043	3,523	4,100	26,586
⁽¹⁾ PBE IPSAS 17 RDR 88.1	A Tier 2 entity is not required to disclose the reconciliation specified in paragraph 88(e) for prior periods.						

PBE IPSAS 26.115(a)-(b)

B. Impairment loss and subsequent reversal

During 2021, due to regulatory restrictions imposed on the manufacture of a new product in the Standard Papers entities, the Group tested the related product line for impairment and recognised an impairment loss of \$1,123 thousand with respect to plant and equipment. In 2021, \$393 thousand of the loss was reversed.

PBE IPSAS 13.40(a),(f)

C. Leased plant and equipment

The Group leases production equipment under a number of finance leases. One of the leases is an arrangement that is not in the legal form of a lease but is accounted for as a lease based on its terms and conditions as the leased equipment secures lease obligations. At 31 March 2022, the net carrying amount of leased equipment was \$1,646 thousand (2021: \$1,972 thousand). See [Note 33](#).

During 2022 reporting period, the Group acquired equipment with a carrying amount of \$200 thousand (2021: \$180) under a finance lease. Some leases provide the group with the option to buy equipment at a beneficial price. See [Note 23\(C\) \(i\)](#).

PBE IPSAS 17.89(a)

D. Security

At 31 March 2022, properties with a carrying amount of \$7,000 thousand (2021: \$4,700 thousand) were subject to a registered debenture that forms security for bank loans. (See [Note 23\(A\)](#)).

PBE IPSAS 17.89(b)

E. Property, plant and equipment under construction

During 2022, the Group acquired a piece of land for \$3,100 thousand, with the intention of constructing a new factory on the site.

PBE IPSAS 5.40(a)-(b)
PBE IPSAS 5.40(c)

The Group has started construction and costs incurred up to 31 March 2022 totalled \$1,000 thousand (2021: nil). Included in this amount are capitalised borrowing costs related to the acquisition of the land and the construction of the factory of \$194 thousand, calculated using a capitalisation rate of 5.2%.

F. Transfer to investment property

During 2022, a building was transferred to investment property (see [Note 20\(A\)](#)), because it was no longer used by the Group and it was decided that the building would be leased to a third party.

PBE IPSAS 1.140

Immediately before transfer, the Group re-measured the property to fair value and recognised a gain of \$200 thousand in OCI. The valuation techniques used in measuring the fair value of the building at the date of transfer were the same as those applied to investment property at the reporting date (see [Note 20\(B\) \(ii\)](#)).

PBE IPSAS 3.44

G. Change in estimates

PBE IPSAS 17.91

During 2022, the Group conducted an operational efficiency review at one of its plants, which resulted in changes in the expected usage of certain dyeing equipment. The dyeing equipment, which management had previously intended to sell after 5 years of use, is now expected to remain in production for 12 years from the date of purchase. As a result, the expected useful life of the equipment increased, and its estimated residual value decreased. The effect of these changes on actual and expected depreciation expense, included in 'cost of sales', was as follows.

<i>In thousands of NZD</i>	2022	2023	2024	2025	2026	Later
(Decrease) increase in depreciation expense	(256)	(113)	150	150	130	170

PBE IPSAS 17.92

H. Revaluation of Property, Plant and Equipment

When an item of property, plant and equipment is revalued, the carrying amount of that asset is adjusted to the revalued amount. At date of the revaluation, the asset is treated the following way:

The Gross carrying amount is adjusted in a manner that is consistent with the revaluation of the carrying amount of the asset. The accumulated depreciation at the date of the revaluation is adjusted to equal the difference between the gross carrying amount and the carrying amount of the asset after taking into account accumulated impairment losses.

Accounting Policy

(i) Recognition and measurement

PBE IPSAS 17.26, 42, 88(a)

All property, plant and equipment are stated at cost less accumulated depreciation and impairment losses. Cost includes expenditure that is directly attributable to the acquisition of the items. Where an asset is acquired in a non-exchange transaction for nil or nominal consideration the asset is initially measured at its fair value.

PBE IPSAS 17.61

If significant parts of an item of property, plant and equipment have different useful lives, then they are accounted for as separate items (major components) of property, plant and equipment.

PBE IPSAS 17.57, 86

Any gain or loss on disposal of an item of property, plant and equipment is recognised in surplus or deficit.

(ii) Subsequent expenditure

Subsequent expenditure is capitalised only if it is probable that the future economic benefits associated with the expenditure will flow to the Group. All other repair and maintenance costs are recognised in surplus or deficit as incurred.

(iii) Depreciation

PBE IPSAS 17.69, 74, 76, 88(b)

Depreciation is calculated to write off the cost of items of property, plant and equipment less their residual values using the straight-line method over their useful lives and is recognised in surplus or deficit. Leased assets are depreciated over the shorter of the lease term and their useful lives unless it is reasonably certain that the Group will obtain ownership by the end of the lease term. Land is not depreciated.

PBE IPSAS 17.88(c)

The estimated useful lives of property, plant and equipment are as follows:

- buildings 40 years
- plant and equipment 3 – 12 years
- fixtures and fittings 5 – 10 years
- *[Any other significant classes of assets]*

PBE IPSAS 16.73

The assets' residual values and useful lives are reviewed, and adjusted prospectively, if appropriate, at the end of each reporting period.

(iv) Reclassification to investment property

When the use of a property changes from owner-occupied to investment property, the property is re-measured to fair value and reclassified accordingly. Any gain arising on this re-measurement is recognised in surplus or deficit to the extent that it reverses a previous impairment loss on the specific property, with any remaining gain recognised in other comprehensive revenue and expenses and presented in the revaluation reserve. Any loss is recognised in surplus or deficit.

19. Intangible assets and goodwill

	<i>In thousands of NZD</i>	Note	Goodwill ⁽¹⁾	Patents and trademarks	Development costs	Customer relationships	Emission Certificates	Total
A. Reconciliation of carrying amount								
Costs								
PBE IPSAS 31.117(c)	Balance at 1 April 2020 ⁽²⁾		3,545	1,264	4,011	-	100	8,920
PBE IPSAS 31.117(e)(i)	Acquisitions – internally developed		-	-	515	-	-	515
PBE IPSAS 31.117(e)(i)	Government grant	26(B)	-	-	-	-	120	120
PBE IPSAS 31.117(e)(i)	Purchases		-	-	-	-	10	10
PBE IPSAS 31.117(e)(viii)	Disposals		-	-	-	-	(110)	(110)
PBE IPSAS 31.117(e)(vii)	Effect of movements in exchange rates		-	(171)	(95)	-	-	(266)
PBE IPSAS 31.117(c)	Balance at 31 March 2021		3,545	1,093	4,431	-	120	9,189
PBE IPSAS 31.117(c)	Balance at 1 April 2021		3,545	1,093	4,431	-	120	9,189
PBE IPSAS 31.117(e)(i)	Acquisitions through business combinations	29(C)(D), 30	541	170	10	80	-	801
PBE IPSAS 31.117(e)(i)	Acquisitions – internally developed		-	-	1,262	-	-	1,262
PBE IPSAS 31.117(e)(i)	Government grant	26(B)	-	-	-	-	115	115
PBE IPSAS 31.117(e)(i)	Purchases		-	-	-	-	20	20
PBE IPSAS 31.117(e)(viii)	Disposals		-	-	-	-	(140)	(140)
PBE IPSAS 31.117(e)(vii)	Effect of movements in exchange rates		-	186	200	-	-	386
PBE IPSAS 31.117(c)	Balance at 31 March 2022		4,086	1,449	5,903	80	115	11,633
Accumulated amortisation and impairment losses								
PBE IPSAS 31.117(c)	Balance at 1 April 2020 ⁽²⁾		138	552	2,801	-	-	3,491
PBE IPSAS 31.117(e)(vi)	Amortisation	9(D)	-	118	677	-	-	795
PBE IPSAS 31.117(e)(iv)	Impairment loss	9(D)	-	-	285	-	-	285
PBE IPSAS 31.117(e)(vii)	Effect of movements in exchange rates		-	(31)	(12)	-	-	(43)
PBE IPSAS 31.117(c)	Balance at 31 March 2021		138	639	3,751	-	-	4,528
PBE IPSAS 31.117(c)	Balance at 1 April 2021		138	639	3,751	-	-	4,528
PBE IPSAS 31.117(e)(vi)	Amortisation	9(D)	-	129	646	10	-	785
PBE IPSAS 31.117(e)(iv)	Impairment loss	9(D)	116	-	-	-	-	116
PBE IPSAS 31.117(e)(v)	Reversal of impairment loss	9(D)	-	-	(100)	-	-	(100)
PBE IPSAS 31.117(e)(vii)	Effect of movements in exchange rates		-	61	17	-	-	78
PBE IPSAS 31.117(c)	Balance at 31 March 2022		254	829	4,314	10	-	5,407
Carrying amounts								
PBE IPSAS 31.117(c)	At 1 April 2020		3,407	712	1,210	-	100	5,429
PBE IPSAS 31.117(c)	At 31 March 2021		3,407	454	680	-	120	4,661
PBE IPSAS 31.117(c)	At 31 March 2022		3,832	620	1,704	70	115	6,226
⁽²⁾ PBE IPSAS 31 RDR 117.1	A Tier 2 entity is not required to disclose the reconciliation specified in paragraph 117(e) for prior periods.							

B. Amortisation

PBE IPSAS 31.117(d) The amortisation of patents, trademarks and development costs is allocated to the cost of inventory and is included in 'cost of sales' as inventory is sold; the amortisation of customer relationships is included in 'cost of sales'.

C. Impairment test

PBE IPSAS 21.77(b)
PBE IPSAS 26.120(a)-(b) The impairment loss and its subsequent reversal was recognised in relation to the manufacture of a new product in the Standard Papers division and the goodwill in the Timber Products CGU as follows.

<i>In thousands of NZD</i>	Note	2022	2021
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	Standard papers			
	Plant and equipment and development costs	(i)	(493)	1,408
	Timber products			
PBE IPSAS 40.124(d)(v)	Goodwill	(ii)	116	-
	(Reversal of) impairment loss	9(D)	(377)	1,408
PBE IPSAS 21.73(a)-(b) PBE IPSAS 26.115(a)-(b)(1)	The impairment loss and subsequent reversal was included in "cost of sales". Reference PBE IPSAS 40.124(d).			

i) Impairment loss and subsequent reversal in relation to a new product

PBE IPSAS 26.120(a)
PBE IPSAS 26.120(d)(i)

During 2022 reporting period, a regulatory inspection revealed that a new product in the Standard Papers segment did not meet certain environmental standards, necessitating substantial changes to the manufacturing process. Before the inspection, the product was expected to be available for sale in 2022; however, as a result of the regulatory restrictions, production and the expected launch date were deferred.

PBE IPSAS 26.120(e)

Accordingly, management estimated the recoverable amount of the CGU (the product line) in 2021. The recoverable amount was estimated based on its value in use, assuming that the production line would go live in August 2022.

During the 2022 reporting period, following certain changes to the recovery plan, the Group reassessed its estimates and reversed part of the initially recognised impairment.

PBE IPSAS 26.120(g)

The estimate of value in use was determined using a pre-tax discount rate of 10.5% (2021: 9.8%) and a terminal value growth rate of 3% from 2026 (2021: 3% from 2025).

<i>In thousands of NZD</i>	<i>Note</i>	2022	2021
Plant and equipment		(393)	1,123
Development cost		(100)	285
(Reversal of) impairment loss		(493)	1,408

PBE IPSAS 26.120(e)

In 2021, following certain changes to the recovery plan, the Group reassessed its estimates and reversed part of the initially recognised impairment.

<i>In thousands of NZD</i>	2022	2021
Recoverable amount	1,576	1,083

ii) Impairment testing for CGU's containing goodwill

PBE IPSAS 26.123(a), (a1), (b), (d)

European Paper manufacturing and distribution

The recoverable amount of this CGU was based on the fair value less costs of disposal, estimated using discounted cash flows. The fair value measurement was categorised as a Level 3 fair value based on the inputs in the valuation technique used (see [Note 5\(B\)](#)).

PBE IPSAS 26.123(d)(i)

The key assumption used in the estimation of the amount are set out below. The values assigned to the key assumptions represent management's assessment of future trends in the relevant industries and have been based on historical data from both external and internal sources.

<i>In percent</i>	2022	2021
Discount rate	8.7	8.5
Terminal value growth rate	1.0	0.9
Budgeted EBITDA growth rate (average of next five years)	5.2	4.8

PBE IPSAS 26.123(d)(ii)

The discount rate was post-tax measure estimated based on the historical industry average weighted-average cost of capital, with a possible debt leveraging of 40% at a market interest rate of 7%.

PBE IPSAS 26.123(d)(iii)

The cash flow projections included specific estimates for five years and a terminal growth rate thereafter. The terminal growth rate was determined based on management's estimate of the long-term compound annual EBITDA growth rate, consistent with the assumptions that a market participant would make.

Budgeted EBITDA was estimated taking into account past experience, adjusted as follows.

PBE IPSAS
26.123(d)(iii)

- Revenue growth was projected taking into account the average growth levels experienced over the past five years and the estimated sales volume and price growth for the next five years. It was assumed that the sales price would increase in the line with forecast inflation over the next five years.
- Significant one-off environmental costs have been factored into the budgeted EBITDA, reflecting various potential regulatory developments in a number of South Pacific countries in which the CGU operates. Other environmental costs are assumed to grow with inflation in other years
- Estimated cash flows related to a restructuring that is expected to be carried out in 2022 were reflected in the budgeted EBITDA.

PBE IPSAS
26.123(e)(i)

The estimated recoverable amount of the CGU exceeded its carrying amount by approximately \$300 thousand (2021: \$250 thousand). Management has identified that a reasonable possible change in the two key assumptions could cause the carrying amount to exceed the recoverable amount. The following table shows the amount by which these two assumptions would need to change individually for the estimated recoverable amount to be equal to the carrying amount.

<i>In percent</i>	2022	2021
PBE IPSAS 26.123(e)(iii) Discount rate	1.6	1.3
PBE IPSAS 26.123(e)(iii) Budgeted EBITDA growth rate	(4.4)	(3.6)

PBE IPSAS 1.140

Timber products

PBE IPSAS 26.123(b)-(c)

The recoverable amount of this CGU was based on its value in use, determined by discounting the future cash flows to be generated from the continuing use of the CGU. The carrying amount of the CGU was determined to be higher than its recoverable amount of \$960 thousand and an impairment loss of \$116 thousand during the 2022 reporting period (2021: nil) was recognised. The impairment loss was fully allocated to goodwill and included in 'cost of sales'.

The key assumptions used in the estimation of value in use were as follows.

PBE IPSAS 26.123(c)(i)

<i>In percent</i>	2022	2021
PBE IPSAS 26.123(c)(v) Discount rate	9.6	10.0
PBE IPSAS 26.123(c)(iv) Terminal value growth rate	1.8	2.0
PBE IPSAS 26.123(c)(i) Budgeted EBITDA growth rate	8.0	9.0

PBE IPSAS
26.123(c)(ii)

The discount rate was a pre-tax measure based on the rate of 10-government bonds issued by the government in the relevant market and in the same currency as the cash flows, adjusted for a risk premium to reflect both the increased risk of investing in equities generally and the systematic risk of the specific CGU.

PBE IPSAS
26.123(c)(iii)-(iii)

Five years of cash flows were included in the discontinued cash flow model. A long-term growth rate into perpetuity had been determined as the lower of the nominal gross domestic product (GDP) rates for the countries in which the CGU operates and the long-term compound annual EBITDA growth rate estimated by management.

Budgeted EBITDA was based on expectations of future outcomes taking into account past experience, adjusted for anticipated revenue growth. Revenue growth was projected taking into account average growth levels experienced over the past five years and the estimated sales volume and price growth for the next five years. It was assumed that sales prices would grow at a constant margin above forecast inflation over the next five years, in line with information obtained from external brokers who publish a statistical analysis of long-term market trends.

Following the impairment loss recognised in the Group's Timber Product CGU, the recoverable amount was equal to the carrying amount. Therefore, any adverse movement in a key assumption would lead to further impairment.

D. Development costs

PBE IPSAS 5.40(a)-(b)
PBE IPSAS 5.40 (c)

Included in development costs is an amount of \$37 thousand (2021: \$12 thousand) that represents borrowing costs capitalised during the year using a capitalisation rate of 5.1% (2021: 5.4%)

E. Revaluation

PBE IPSAS 31.123

If an intangible asset is revalued, any accumulated amortisation at the date of the revaluation is restated proportionately with the change in the gross carrying amount of the asset so that the carrying amount of the asset after revaluation equals its revalued amount.

F. Emissions certificates

The Group participates in a 'cap and trade' scheme in various countries. Under the scheme, at the beginning of each year the government in each country sets specific annual limits for emitting pollutants and grants the Group the respective number of emissions certificates. The Group can settle its annual obligation created by the emission of pollutants only by surrendering emissions certificates by a specified date, which is usually within 12 months after the reporting date. If the Group's annual emissions are below the limit, then it can sell the remaining certificates to other parties on a trading platform. Conversely, if the annual emissions exceed the limit, then the Group purchases additional certificates to settle its obligation. Historically, the Group has emitted more pollutants than its annual allocation of emissions certificates from the government and has had to purchase additional certificates.

The Group recognises emissions certificates as intangible assets. Emissions certificates received from the government are initially measured at fair value, which is determined based on the market price of certificates traded on the platform at that date. Emissions certificates purchased on the trading platform are initially measured at cost.

In 2022, the Group received emissions certificates amounting to \$115 thousand (2021: \$120 thousand) refer to [Note 27](#). In addition, the Group purchased emissions certificates amounting to \$20 thousand during 2022 (2021: \$10 thousand) on a trading platform. The additional certificates are purchased and surrendered within a period of less than 12 months to settle the obligation to the government.

Accounting Policy

i) Recognition and measurement

Goodwill

PBE IPSAS 31.106,
107

Goodwill arising on the acquisition of subsidiaries is measured at cost less accumulates impairment losses.

Research and development

PBE IPSAS 31.52,53

Expenditure on research activities is recognised in surplus or deficit as incurred.

PBE IPSAS 31.55,
61,63, 66, 70

Development expenditure is capitalised only if the expenditure can be measured reliably, the product or process is technically and commercially feasible, future economic benefits are probable, and the Group intends to and has sufficient resources to complete development and to use or sell the asset. Otherwise, it is recognised in surplus or deficit as incurred. Subsequent to initial recognition, development expenditure is measured at cost less accumulated amortisation and any accumulated impairment losses.

Other intangible assets

PBE IPSAS 31.31

Other intangible assets, including customer relationships, patents and trademarks that are acquired by the Group and have finite useful lives are measured at cost less accumulated amortisation and any accumulated impairment losses.

ii) Subsequent expenditure

PBE IPSAS 31.26, 71

Subsequent expenditure is capitalised only when it increases the future economic benefits embodied in the specific asset to which it relates. All other expenditure, including expenditure on internally generated goodwill and brands, is recognised in surplus or deficit as incurred.

iii) Amortisation

PBE IPSAS 31.96,
117(a)-(b)

Amortisation is calculated to write off the cost of intangible assets less their estimated residual value using the straight-line method over their estimated useful lives and is generally recognised in surplus or deficit. Goodwill is not amortised.

The estimated useful lives for current and comparative periods are as follows:

— Patents and trademarks:	3-20 years
— Development costs:	2-5 years
— Customer relationships:	4-5 years

PBE IPSAS 31.103

Amortisation methods, useful lives and residual values are reviewed at each reporting date and adjusted if appropriate.

20. Investment property

A. Reconciliation of carrying amount

<i>In thousands of NZD</i>		<i>Note</i>	2022	2021 Restated*
<i>PBE IPSAS 16.87</i>	Balance at 1 April 2021		300	200
<i>PBE IPSAS 16.87(a)*</i>	Acquisitions		300	40
<i>PBE IPSAS 16.87(f)*</i>	Reclassification from property, plant and equipment	18(A), (F)	800	-
<i>PBE IPSAS 16.87(d)</i>	Change in fair value	9(A)	20	60
Balance at 31 March 2022			1,420	300

* See [Note 40](#).

PBE IPSAS 13.69(c)
PBE IPSAS 16.86(b)-(c) Investment property comprises a number of commercial properties that are leased to third parties. Each of the leases contains an initial non-cancellable period of 10 years, with annual rents indexed to consumer prices. Subsequent renewals are renegotiated with the lessee and historically the average renewal period is four years. No contingent rents are charged. Further information about these leases is included in [Note 33\(B\)](#).

Changes in fair values are recognised as gains in surplus or deficit and included in "other income". All gains are unrealised.

PBE IPSAS 16 RDR 87.1 * RDR exemption – prior period reconciliation not required

PBE IPSAS 16 RDR 87.2 A Tier 2 entity is not required to disclose separately those additions resulting from acquisitions and those resulting from subsequent expenditure recognised in the carrying amount of an asset in accordance with paragraph 87(a).

PBE IPSAS 16 RDR 90.1 A Tier 2 entity is not required to disclose separately those additions resulting from acquisitions and those resulting from subsequent expenditure recognised in the carrying amount of an asset in accordance with paragraph 90(d) (i).

B. Measurement of fair values

i. Fair value

PBE IPSAS 16.86(e) The fair value of property was determined by external, independent property valuers, having appropriate recognised professional qualifications and recent experience in the location and category of the property being valued. The independent valuer provide the fair value of the Group's investment property portfolio every six months.

The fair value measurement for all of the investment properties has been based on the inputs to the valuation technique used (see [Note 5B](#)).

PBE IPSAS 16 RDR 86.1 A Tier 2 entity is not required to include a statement whether the determination of fair value was supported by market evidence or was more heavily based on other factors in accordance with paragraph 86(d).

ii. Valuation technique and significant unobservable inputs

PBE IPSAS 16.86(d) The following table shows the valuation technique used in measuring the fair value of investment property, as well as the significant unobservable inputs used.

<i>PBE IPSAS 16.86(d)</i>	Valuation technique	Significant observations
<i>PBE IPSAS 16.86(d)</i>	<i>Discounted cash flows:</i> The valuation model considers the present value of net cash flows to be generated from the property, taking into account the expected rental growth rate, void periods, occupancy rate, lease incentive costs such as rent-free periods and other costs not paid by tenants. The expected net cash flows are discounted using risk adjusted discount rates. Among other factors, the discount rate estimation considers the quality of a building and its location (prime vs secondary), tenant credit quality and lease terms.	<ul style="list-style-type: none"> — Expected market rental growth (2021: 2-3%, weighted average 2.6%; 2020: 2-3%, weighted average 2.5%). — Void periods (2021 and 2020: average 6 months after the end of each lease). — Occupancy rate (2021: 90-95%, weighted average 92.5%; 2020: 91-95%, weighted average 92.8%) — Rent-free periods (2021 and 2020: 1-year period on new leases). — Risk-adjusted discount rates (2021: 5-6.3%, weighted average 5.8%; 2020: 5.7-6.8%, weighted average 6.1%).

Accounting Policy

<i>PBE IPSAS 16.10</i> <i>PBE IPSAS 16.86(a)</i>	Investment properties are measured initially at cost, including transaction costs. The carrying amount includes the replacement cost of components of an existing investment property at the time that cost is incurred if the recognition criteria are met and excludes the costs of day-to-day maintenance of an investment property. Investment property acquired through a non-exchange transaction is measured at its fair value at the date of acquisition.
<i>PBE IPSAS 16.42, 44, 86(a)</i>	Subsequent to initial recognition investment property is measured at fair value, with changes in fair value recognised in surplus or deficit in the statement of comprehensive revenue and expense.
<i>PBE IPSAS 16.77</i>	Investment properties are derecognised either when they have been disposed of or when the investment property is permanently withdrawn from use and no future economic benefit or service potential is expected from its disposal. The difference between the net disposal proceeds and the carrying amount of the asset is recognised in the surplus or deficit in the period of de-recognition.
<i>PBE IPSAS 16.66</i>	Transfers are made to or from investment property only when there is a change in use.

Judgements

<i>PBE IPSAS 16.18</i> <i>PBE IPSAS 16.18.1</i>	Judgement is applied to determine whether a property qualifies as investment property. An entity develops criteria so that it can exercise that judgement consistently. Judgement is also applied to determine whether the acquisition of investment property is the acquisition of an asset, or a group of assets, or a business combination within the scope of PBE IPSAS 40.
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21. Equity-accounted investees

See accounting policies in [Notes 6\(A\)\(v\)](#)

<i>In thousands of NZD</i>	2022	2021
Interest in joint venture	2,217	1,048
Interest in associates	272	900
Balance at 31 March	2,489	1,948

A. Joint venture

<i>PBE IPSAS 38.35(a), 36(a)(i), (ii), (iii), 36(b)(iii)</i>	Paletel AG (Paletel) is a joint venture in which the Group has joint control and a 40% ownership interest. It is one of the Group's strategic suppliers and is principally engaged in the production of paper pulp in Himmerland, Denmark. Paletel is not publicly listed.
<i>PBE IPSAS 38.12(c), 35(b), 39(a)</i>	Paletel is structured as a separate vehicle and the Group has a residual interest in the net assets of Paletel. Accordingly, the Group has classified its interest in Paletel as a joint venture. In accordance with the agreement under which Paletel is established, the Group and the other investor in the joint venture have agreed to make additional contributions in proportion to their interests to make up any deficits, if required, up to a maximum amount of \$6,000 thousand. This commitment has not been recognised in these consolidated financial statements.
<i>PBE IPSAS 38.36(b), AG12-AG14</i>	The following table summarises the financial information of Paletel as included in its own financial statements, adjusted for fair value adjustments at acquisition and differences in accounting policies. The table reconciles the summarised financial information to the carrying amount of the Group's interest in Paletel.

<i>In thousands of NZD</i>		2022	2021
PBE IPSAS 38.36(a)(iv)	Percentage ownership interest	40%	40%
PBE IPSAS 38.AG12-AG13	Non-current assets	5,953	3,259
	Current assets (including cash and cash equivalents - 2022: \$200 thousand, 2021: \$150 thousand)	1,089	821
	Non-current liabilities (including non-current financial liabilities excluding trade and other payables and provisions - 2022: \$1,211 thousand, 2021: \$986 thousand)	(1,716)	(1,320)
	Current liabilities (including current financial liabilities excluding trade and other payables and provisions - 2022: \$422 thousand, 2021: \$930 thousand)	(543)	(1,130)
	Net assets (100%)	4,783	1,630
	Group's share of net assets (40%)	1,913	652
	Elimination of unrealised surplus on downstream sales	(96)	(4)
	Goodwill	400	400
	Carrying amount of interest in joint venture	2,217	1,048
	Revenue	25,796	21,405
	Depreciation and amortisation	(445)	(350)
	Interest expense	(396)	(218)
	Income tax expense	(1,275)	(290)
	Surplus and total comprehensive revenue and expense (100%)	2,768	(690)
	Surplus and total comprehensive revenue and expense (40%)	1,107	276
	Elimination of unrealised surplus on downstream sales	(92)	(4)
	Group's share of total comprehensive revenue and expense	1,015	272
	Dividends received by the Group	21	-

PBE IPSAS 38.39 There were no contingent liabilities or assets relating to the Group's interest in the Paletel joint venture (2021: nil).

B. Associates

PBE IPSAS 38.35(a), 36(a)(i), (ii), (iii), 36(b)(iii) On 30 June 2021, the Group's equity interest in material associate, Papyrus, increased from 25 to 90% and Papyrus became a subsidiary from that date (see [Note 29](#)). Papyrus is one of the Group's strategic suppliers and principally engages in the production of paper pulp in Kentucky, US. Papyrus is not publicly listed.

PBE IPSAS 38.36(b), AG12-AG14 The following table summarises the financial information of Papyrus as included in its own financial statements, adjusted for fair value adjustments at acquisition and differences in accounting policies. The table also reconciles the summarised financial information to the carrying amount of the Group's interest in Papyrus. The information for 2021 presented in the table includes the results of Papyrus for the period from 1 April 2020 to 31 March 2021. The information for 2022 includes the results of Papyrus only for the period from 1 April 2021 to 30 June 2021, because Papyrus became a subsidiary on 30 June 2021.

<i>In thousands of NZD</i>		2022	2021
	Percentage ownership interest	25%	25%
	Non-current assets	-	1,280
	Current assets	-	1,975
	Non-current liabilities	-	(1,087)
	Current liabilities	-	(324)
	Net assets (100%)	-	1,844
	Group's share of net assets (25%)	-	461
	Elimination of unrealised surplus on downstream sales	-	(8)
	Carrying amount of interest in associate	-	453
	Revenue	7,863	19,814
	Surplus from continuing operations (100%)	271	857
	Other comprehensive revenue and expense (100%)	(408)	(552)
	Total comprehensive revenue and expense (100%)	(137)	305
	Total comprehensive revenue and expense (25%)	(34)	(76)
	Elimination of unrealised surplus on downstream sales	1	(1)
	Group's share of total comprehensive revenue and expense	(33)	75

PBE IPSAS 38.39 There were no contingent liabilities or assets relating to the Group's interest in the Papyrus associate (2021: nil). There were no capital commitments relating to the Group's interest in the Papyrus associate (2021: nil).

22. Other investments, including derivatives

<i>In thousands of NZD</i>		2022	2021
Non-current investments			
<i>PBE IPSAS 30.11(f)</i>	Corporate debt securities – at amortised cost	2,421	2,256
<i>PBE IPSAS 30.11(h)</i>	Corporate debt securities – at FVOCRE	118	373
<i>PBE IPSAS 30.11(h)</i>	Equity securities – at FVOCRE	710	511
<i>PBE IPSAS 30.11(a)</i>	Equity securities – mandatorily at FVTSD		-
<i>PBE IPSAS 30 RDR11.1</i>		251	
<i>PBE IPSAS 30.11(a)</i>	Equity securities – designated at FVTSD	-	254
<i>PBE IPSAS 30 RDR11.1</i>			
<i>PBE IPSAS 30.26B(a)</i>	Interest rate swaps used for hedging	116	131
		3,616	3,525
Current investments			
<i>PBE IPSAS 30.11(a)</i>	Sovereign debt securities – Mandatorily at FVTSD	243	591
<i>PBE IPSAS 30 RDR11.1</i>			
<i>PBE IPSAS 30.26B(a)</i>	Forward exchange contracts used for hedging	297	352
	Other forward exchange contracts	122	89
		662	1,032
<i>PBE IPSAS 30.10</i>	Corporate debt securities classified as at amortised cost have interest rates of 6.3 to 7.8% (2021: 7.5 to 8.3%) and mature in two to five years. Corporate debt securities at FVOCRE have stated interest rates of 5.2 to 7.0% (2021: 6.5 to 8.0%) and mature in two to three years.		
	Sovereign debt securities at FVTSD have stated interest rates of 3.5 to 4.0% (2021: 3.2 to 3.8%) and are held for trading.		
	Information about the Group's exposure to credit and market risks, and fair value measurement, is included in Note 28(C) .		
	Equity securities designated as at FVOCRE		
<i>PBE IPSAS 30.14A</i>	At 1 April 2021, the Group designated the investments shown below as equity securities at FVOCRE because these equity securities represent investments that the Group intends to hold for the long term for strategic purposes.		
		Fair value at 31 March 2022	Dividend income recognised during 2022
	<i>In thousands of NZD</i>		
	Investment in MSE Limited	243	10
	Investment in DEF Limited	467	16
		710	26
<i>PBE IPSAS 30.14A(e)</i>	No strategic investments were disposed of during 2020, and there were no transfers of any cumulative gain or loss within equity relating to these investments.		
	See accounting policy on financial instruments on Note 28		

23. Loans and borrowings

See accounting policies in [Note 28 Financial Instruments \(ii-iii\)](#), and [Note 33 Leases](#)

<i>In thousands of NZD</i>		<i>Note</i>	2022	2021
Non-current liabilities				
PBE IPSAS 1.70	Secured bank loans		19,329	17,293
	Finance lease liabilities		1,613	1,738
			20,942	19,031
Current liabilities				
	Current portion of secured bank loans		11,673	4,102
	Loan from associate		-	1,000
	Current portion of finance lease liabilities	23(C)	315	444
			11,988	5,546

Information about the Group's exposure to interest rate, foreign currency and liquidity risks is included in [Note 28\(C\)](#).

PBE IPSAS 30.10 A. Terms and repayment schedule

The terms and conditions of outstanding loans are as follows.

<i>In thousands of NZD</i>		Nominal interest rate	Year of maturity	2022		2021	
Currency	Face value			Carrying amount	Face value	Carrying amount	
PBE IPSAS 30.11(f), 17(d)	Secured bank loan (See Note 14(A))	3.60-3.90%	2022-22	7,600	7,598	1,000	985
	Secured bank loan	3.90 %	2025	1,240	1,240	1,257	1,257
	Secured bank loan	4.70%	2023-24	1,447	1,447	1,521	1,521
	Secured bank loan	4.50%	2023-24	3,460	3,460	3,460	3,460
	Secured bank loan	LIBOR+1%	2022-22	886	886	4,855	4,855
	Secured bank loan	3.80%	2022	510	503	-	-
	Secured bank loan	5.50%	2022	-	-	117	117
	Secured bank loan	5.52%	2025	1,023	1,023	1,023	1,023
	Secured bank loan	4.80%	2026	5,113	5,113	5,113	5,113
	Secured bank loan	LIBOR	2022	3,064	3,064	3,064	3,064
	Secured bank loan	3.00%	2024	5,000	4,678	-	-
	Secured bank loan	4.40%	2026	2,051	1,990	-	-
	Finance lease liabilities	6.5-7.0%	2022-34	2,663	1,928	3,186	2,182
	Loan from associate	4.80%	2022	-	-	1,000	1,000
	Total interest-bearing liabilities			34,057	32,930	25,596	24,577

PBE IPSAS 30.10
PBE IPSAS 30.18
PBE IPSAS 17.89(a) The secured bank loans are secured over land and buildings and trade receivables with a carrying amount of \$7,000 thousand (2021: \$4,700 thousand) (see [Note 18\(D\)](#)) and \$7,600 thousand (2021: \$1,000 thousand) (see [Note 14\(A\)](#)) respectively. Additionally, call deposits with a carrying amount of \$400 thousand (2021: \$600 thousand) (see [Note 16](#)) are pledged against certain secured bank loans.

B. Breach of loan covenant¹

PBE IPSAS 30.22
PBE IPSAS 30 RDR 22.1
PBE IPSAS 30.23 The Group has a secured bank loan with a carrying amount of \$3,460 thousand at 31 March 2022 (2021: \$3,460 thousand). This loan is repayable in tranches over the next five years. However, the loan contains a covenant stating that at the end of each quarter, the Group's debt (defined in the covenant as the Group's loans and borrowings and trade and other payables) cannot exceed 2.5 times the Group's quarterly revenue from continuing operations, otherwise the loan will be repayable on demand.

The Group exceeded its maximum leverage threshold in the third quarter of 2021 and the threshold was still exceeded as of 31 March 2022. However, management obtained a waiver from the bank on January 2021, which extended until March 2022. Accordingly, the loan was not payable on demand at 31 March 2022 (See [Note 32](#)).

¹ A Tier 2 PBE will need to make the same disclosures if the breach had not been remedied by the end of the reporting period. [PBE IPSAS 30. RDR22.1]

C. Finance lease liabilities

Finance lease liabilities are payable as follows.

<i>In thousands of NZD</i>	Future minimum lease payments		Interest		Present value of minimum lease payments		
	2022	2021	2022	2021	2022	2021	
<i>PBE IPSAS 13.40(c)</i>	Less than one year	535	706	220	262	315	444
<i>PBE IPSAS 13.40(c)</i>	Between one year and five years	1,128	1,124	343	385	785	739
<i>PBE IPSAS 13.40(c)</i>	More than five years	1,000	1,356	172	357	828	999
		2,663	3,186	735	1,004	1,928	2,182

PBE IPSAS 13 RDR 40.1 A Tier 2 entity is not required to disclose the present value of future minimum lease payments at the reporting date in accordance with paragraph 40(c).

PBE IPSAS 13.40(d)
PBE IPSAS 13.40(f)(i)-(ii) Certain leases provide for additional payments that are contingent on changes in future indices. Contingent rents included in surplus or deficit amounted to \$17,000 (2021: \$15,000).

D. Lease of equipment not in the legal form of a lease

PBE IPSAS 13.40(f)
PBE IPSAS 1.137 During 2021, the Group entered into an arrangement whereby a supplier built equipment that the supplier will use to produce a specific chemical used in manufacturing a new product in the American Paper manufacturing and distribution division for a minimum period of 16 years. The Group pays a fixed annual fee over the term of the arrangement, plus a variable charge based on the quantity of chemical delivered.

Due to the unusual nature of the product and the manufacturing process, the supplier is unlikely to be able to sell the chemical using different equipment. Accordingly, although the arrangement is not in the legal form of a lease, the Group concluded that the arrangement contains a lease of the equipment. The lease was classified as a finance lease. At inception of the arrangement, payments were split into lease payments and payments related to the other elements based on their relative fair values. The imputed finance costs on the liability were determined based on the Group's incremental borrowing rate (6.5%).

24. Trade and other payables

See accounting policies in [Notes 28 \(i and iii\)](#)

<i>In thousands of NZD</i>	Note	2022	2021
<i>PBE IPSAS 30.11(f)</i>	Trade payable due to related parties	137	351
	Other trade payables	21,943	19,978
	Accrued expenses	312	487
	Trade payables	22,392	20,816
	Forward exchange rate contracts used for hedging	8	7
	Interest rate swaps used for hedging	20	5
	Contingent consideration	270	-
	Other payables	298	12
		22,690	20,828
	Non-current	290	5
	Current	22,400	20,823
		22,690	20,828

Information about the Group's exposure to currency and liquidity risks is included in [Note 28\(C\)](#).

25. Non-exchange liabilities

See accounting policies in [Notes 28 Financial Instruments \(i and iii\)](#)

<i>In thousands of NZD</i>	2022	2021	
<i>PBE IPSAS 30.11(f)</i>	Non-exchange liability	1,500	1,500
		1,500	1,500
	Non-current	1,000	1,000
	Current	500	500
		1,500	1,500

Information about the Group's exposure to currency and liquidity risks is included in [Note 28\(C\)](#).

The non-exchange liabilities are funds that were received in 2021 that are subject to conditions of use, which if not met, require the funds to be returned to the donor of the funds. The \$1,500 thousand received in 2021 is to be invested in research into the environmental effects of dairy farming. The Group has not yet identified a suitable researcher to lead the project, however, a short-list has been compiled and the project is expected to commence in 2022.

26. Deferred income/revenue

See accounting policies in [Notes 8 Revenue \(i\) and \(vii\)](#)

<i>In thousands of NZD</i>		<i>Note</i>	2022	2021
PBE IPSAS 23.106(c)	Government grants	26 (A)	1,424	1,462
PBE IPSAS 11.51(b)	Customer advances		110	117
PBE IPSAS 11.53(b)	Billing in advance of work completed		17	13
	Customer loyalty claims	26(B)	50	38
			1,601	1,630
Non-current			1,424	1,462
Current			177	168
			1,601	1,630

PBE IPSAS 23.106(c) A. Government grants

The Group has been awarded two government grants. One of the grants, received in 2021, amounted to \$1,462 thousand and was conditional on the acquisition of factory premises in a specified region. The factory was purchased in early 2022 and has been in operation since March 2022. The grant was recognised as a deferred income and released to the Statement of Comprehensive Revenue and Expense when the purchase was finalised.

The second grant, received in 2022, was unconditional, amounted to \$200 thousand and related to research into the impact of climate change on pinus radiata. It was included in 'revenue' when it became receivable (see [Note \(8\)](#)).

PBE IPSAS 23.106(c) B. Emissions schemes

The Group participates in a 'cap and trade' scheme in various countries. Under the scheme, at the beginning of each year the government in each country sets specific annual limits for emitting pollutants and grants the Group the respective number of emissions certificates. The Group recognises emissions certificates and the related deferred income at the fair value of the certificates granted, which is determined based on the quoted market price of certificates trade in an active market. When the Group emits pollutants and recognises a liability (see [Note 27](#)), it reduces the related expense in profit or loss by releasing the deferred income. In 2022, the Group received emissions certificates amount to \$115 thousand (2021: \$120 thousand) (see [Note 19](#)). The Group emitted pollutants above the limit in 2022 and 2021, and therefore the deferred income related to this grant as at 31 March 2022 is nil (2021: nil).

C. Customer loyalty claims

The deferred revenue related to loyalty credits granted of \$50 thousand (2021: \$38 thousand) has been estimated with reference to the fair value of paper products for which they could be redeemed. This is because the fair value of the loyalty credits is not directly observable. The fair value of the right to buy paper products at a discount for which the loyalty credits can be redeemed takes into account the amount of the discount available to customers that have not earned the loyalty credits and the expected forfeiture rate.

27. Provisions

	<i>In thousands of NZD</i>	<i>Note</i>	Warranties	Re-structuring	Site restoration	Onerous contracts	Emissions Schemes	Legal	Total
PBE IPSAS 19.97(a)	Balance at 1 April 2021		200	460	740	-	140	-	1,540
	Assumed in a business combination	29	-	-	150	-	-	20	170
PBE IPSAS 19.97(b)	Provisions made during the year		280	280	660	160	120	-	1,500
PBE IPSAS 19.97(c)	Provisions used during the year		(200)	(360)	(800)	-	(140)	-	(1,500)
PBE IPSAS 19.97(d)	Provisions reversed during the year		-	(100)	-	-	-	-	(100)
PBE IPSAS 19.97(e)	Unwind of discount	10	-	-	60	-	-	-	60
PBE IPSAS 19.97(a)	Balance at 31 March 2022		280	280	810	160	120	20	1,670
	Non-current		100	-	810	100	-	-	1,010
	Current		180	280	-	60	120	20	660
			280	280	810	160	120	20	1,670

A. Warranties

PBE IPSAS 19.98(a)

PBE IPSAS 19.98(b)

The provision for warranties relates mainly to paper sold during 2021 and 2022. The provision has been estimated based on historical warranty data associated with similar products and services. The Group expects to settle the majority of the liability over the next year. An expected reimbursement of warranty expense incurred of \$25,000 has been included in "other trade receivables" (see Note 14) following a supplier accepting responsibility for the defective products.

PBE IPSAS 19.98(c)

PBE IPSAS 1.107(b)

B. Restructuring

PBE IPSAS 1.140

PBE IPSAS 19.98(a)-(b)

During 2021, the Group committed to a plan to restructure a product line in the American Paper manufacturing and distribution division due to a decrease in demand as a result of deteriorated economic circumstances. Following the announcement of the plan, the Group recognised a provision of \$600 thousand for expected restructuring costs, including contract termination costs, consulting fees and employee termination benefits (see Note 11). Estimated costs were based on the terms of the relevant contracts. The restructuring was completed in 2021, and \$360 thousand of the provision was used during the year. The unused provision of \$100 thousand was reversed and has been included in "cost of sales".

During the 2022 reporting period, a provision of \$280 thousand was made to cover the costs associated with restructuring part of a manufacturing facility within the Standard Papers division that will be retained when the remainder of the facility is sold (see Note 17). Estimated restructuring costs mainly include employee termination benefits (see Note 11) and are based on a detailed plan agreed between management and employee representatives. The restructuring and the sale are expected to be completed by June 2022.

C. Site restoration

PBE IPSAS 19.98(a)

i. Germany

A provision of \$740 thousand was made during 2021 and an unwind of the discount of \$60 was recognised in 2021 in respect of the Group's obligation to rectify environmental damage in Germany. The required work was completed during the 2022 reporting period at a cost of \$800 thousand.

PBE IPSAS 1.140, 144

ii. Romania

PBE IPSAS 19.98(a)-(b)

In accordance with Romanian law, the Group's subsidiary in Romania is required to restore contaminated land to its original condition before the end of 2022. During the 2022 reporting period, the Group provides \$660 thousand for the purpose.

Because of the long-term nature of the liability, the greatest uncertainty in estimating the provision is the costs that will be incurred. In particular, the Group has assumed that the site will be restored using technology and materials that are currently available. The Group has been provided with a range of reasonably possible outcomes of the total cost, which range from \$500 thousand to \$700 thousand reflecting different assumptions about pricing of the individual components of the cost. The provision has

been calculated using a discount rate of 5.9%, which is the risk-free rate in Romania. The rehabilitation is expected to occur in the next two to three years.

PBE IAS 34.26

The provision has increased compared with the amount of \$500 thousand reported in the Entity's interim financial statements as at 30 September 2021 due to change in estimated costs. At the time of preparing the interim financial statements, the extent of restoration work required was uncertain, because the inspection report by the Romanian authorities had not yet been finalised. The estimates were subsequently revised based on their final report.

iii. Acquisition of Papyrus

A part of the acquisition of Papyrus, the Group recognised environmental provisions of \$150 thousand, measured on a provisional basis (see [Note 29\(C\)](#)).

PBE IPSAS 19.98(a)-
(b)

D. Onerous contracts

In 2021, the Group enters into a non-cancellable lease for office space. Due to changes in their activities, the Group stopped using the premises on 31 December 2021, resulting in surplus lease space (see [Note 33](#)). The lease will expire in 2022. The facilities have been sub-let for the remaining lease term, but changes in market conditions have meant that the rental income is lower than the rental expense. The obligation for the discounted future payments, net of expected rental income, has been provided for.

E. Legal

PBE IPSAS 19.98(a)-
(b)

As a result of the acquisition of Papyrus, the Group assumed a contingent liability of \$20 thousand, measured on a provisional basis (see [Note 29\(C\)](#)).

PBE IPSAS 19.100
PBE IPSAS 19.98(a)

F. Levies

The Group operates in a number of countries in which it is subject to government levies. It assesses the timing of when to accrue environmental taxes imposed by legislation at the end of the tax year (31 March) on entities that manufacture pulp products. The Group recognised a liability to pay environmental taxes on 31 March, when the obligating event as stated in the legislation occurs. It paid that liability in full at a later date.

Therefore, as at 31 March 2022, no liability for environmental taxes has been recognised. An expense of \$102 thousand has been recognised in surplus or deficit for the year ended 31 March 2022.

G. Emissions schemes

The Group participates in a 'cap and trade' scheme in various countries (refer to [Note 26\(B\)](#)). The Group recognises a liability to surrender emissions certificates as it emits pollutants. The liability is measured based on the carrying amount of the certificates on hand to the extent of emissions within the annual limit (refer to [Note 19](#)), and at the current market value of certificates to the extent that the Group would be required to purchase additional certificates to settle the obligation.

During 2022, the Group recognised a provision for pollutants emitted of \$120 thousand. The provision will be settled by surrendering the emissions certificates to the government in 2023. A provision of \$140 thousand at 31 March 2021 was settled in 2022 in a similar manner.

PBE IPSAS 19 RDR
98.1

A Tier 2 entity is not required to disclose the major assumptions concerning future events in accordance with paragraph 98(b).

PBE IPSAS 19.22, 53,
56, AG A6

Accounting Policy

i) Provisions

Provisions are recognised when the Group has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits or service potential will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.

Where the Group expects some or all of a provision to be reimbursed, for example, under an insurance contract, the reimbursement is recognised as a separate asset only when the reimbursement is virtually certain.

The expense relating to any provision is presented in the statement of comprehensive revenue and expense net of any reimbursement.

PBE IPSAS 19.47

Warranties – A provision for warranties is recognised when the underlying products or series are sold, based on historical warranty data and a weighting of possible outcomes against their associated probabilities.

PBE IPSAS 19.83

Restructuring – A provision for restructuring is recognised when the Group has approved a detailed and formal restructuring plan, and the restructuring either has commenced or has been announced publicly. Further operating losses are not provided for.

PBE IPSAS 19.29	<i>Site restoration</i> – In accordance with the Group’s published environmental policy and applicable legal requirements, a provision for site restoration in respect of contaminated land, and the related expense, is recognised when the land is contaminated.
PBE IPSAS 19.76, 79	<i>Onerous Contracts</i> – A provision for onerous contracts is measured at the present value of the lower of the expected cost of terminating the contract and the expected net cost of continuing with the contract. Before a provision is established, the Group recognises any impairment loss on the assets associated with that contract.
PBE IPSAS 19.100	ii) Contingent liabilities The Group does not recognise contingent liabilities, but discloses details of any contingencies in the notes to the financial statements, unless the possibility of an outflow of resources embodying economic benefits or service potential is remote.
PBE IPSAS 19.105	iii) Contingent assets The Group does not recognise contingent assets, but discloses details of a possible asset whose existence is contingent on the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Group in the notes to the financial statements. Contingent assets are assessed continually to ensure that developments are appropriately reflected in the financial statements. If it has become virtually certain that an inflow of economic benefits or service potential will arise and the asset’s value can be measured reliably, the asset and the related revenue are recognised in the financial statements of the period in which the change occurs.

28. Financial instruments

PBE IPSAS 30.11

Fair values and risk management

A. Accounting classifications and fair values ^{a,b}

PBE IPSAS 30.29-30

PBE IPSAS 30.35-36

The following table shows the carrying amounts and fair values of financial assets and financial liabilities, including their levels in the fair value hierarchy. It does not include fair value information for financial assets and financial liabilities not measured at fair value if the carrying amount is reasonable approximation of fair value.

PBE IPSAS 30

RDR 11.1

31 March 2022 <i>In thousands of NZD</i>	Note	Carrying amount						Fair value				
		Fair value – hedging instruments	Mandatorily at FVTSD - others	FVOCRE – debt instruments	FVOCRE – equity instruments	Financial assets at amortised cost	Other financial liabilities	Total	Level 1	Level 2	Level 3	Total
Financial assets measured at fair value												
Interest rate swaps used for hedging	22	116	-	-	-	-	-	116	-	116	-	116
Forward exchange contracts used for hedging	22	297	-	-	-	-	-	297	-	297	-	297
Other forward exchange contracts	22	-	122	-	-	-	-	122	-	122	-	122
Sovereign debt securities	22	-	243	-	-	-	-	243	43	200	-	243
Corporate debt securities	22	-	-	118	-	-	-	118	48	70	-	118
Equity securities	22	-	251	-	710	-	-	961	961	-	-	961
		413	616	118	710	-	-	1,857				
Financial assets not measured at fair value												
Trade and other receivables	14,15	-	-	-	-	34,942	-	34,942	-	-	-	-
Cash and cash equivalents	16	-	-	-	-	505	-	505	-	-	-	-
Corporate debt securities	22	-	-	-	-	2,421	-	2,421	2,421	-	-	2,421
		-	-	-	-	37,868	-	37,868				
Financial liabilities measured at fair value												
Interest rate swaps used for hedging	24	(20)	-	-	-	-	-	(20)	-	(20)	-	(20)
Forward exchange contracts used for hedging	24	(8)	-	-	-	-	-	(8)	-	(8)	-	(8)
Contingent consideration	24	-	(270)	-	-	-	-	(270)	-	-	(270)	(270)
		(28)	(270)	-	-	-	-	(298)				
Financial liabilities not measured at fair value ^c												
Bank overdrafts	16	-	-	-	-	-	-	(334)	-	-	-	(334)
Secured bank loans	23	-	-	-	-	-	-	(31,002)	-	(31,002)	-	(31,002)
Finance lease liabilities	23	-	-	-	-	-	-	(1,928)	-	(1,928)	-	(1,928)
Trade payables*	24	-	-	-	-	-	-	(22,080)	-	(22,080)	-	(22,080)
		-	-	-	-	-	-	(55,344)				(55,344)

* Accrued expenses that are not financial liabilities (\$312 thousand) are not included

PBE IPSAS 30.11

^a In this table, the Group has disclosed the fair value of each class of financial assets and financial liabilities in a way that permits the information to be compared with the carrying amounts. In addition, it has reconciled the assets and liabilities to the different categories of financial instruments as defined in PBE IPSAS 41. This presentation method is optional and different presentation methods may be desirable, depending on circumstances.

PBE IPSAS 30.9

AG3

PBE IPSAS 30.35

PBE IPSAS 30 RDR

11.1-2

^b The Group has grouped its financial instruments into classes. Although PBE IPSAS 30 does not define classes, as a minimum instrument measured at amortised costs should be distinguished from instruments measured at fair value.

^c The Group has not disclosed the fair values for financial instruments such as ST term trade receivables and payables, because their carrying amounts are a reasonable approximation of fair value. A Tier 2 entity is not required to disclose financial assets and financial liabilities by category as required by paragraph 11.

Fair values and risk management (continued)

A. Accounting classifications and fair values (continued)

31 March 2021 <i>In thousands of NZD</i>	Note	Carrying amount							Fair value			
		Fair value – hedging instruments	Mandatorily at FVTSD - others	FVOCRE – debt instruments	FVOCRE – equity instruments	Financial assets at amortised cost	Other financial liabilities	Total	Level 1	Level 2	Level 3	Total
Financial assets measured at fair value												
Interest rate swaps used for hedging	22	131	-	-	-	-	-	131	-	131	-	131
Forward exchange contracts used for hedging	22	352	-	-	-	-	-	352	-	352	-	352
Other forward exchange contracts	22	-	89	-	-	-	-	89	-	89	-	89
Sovereign debt securities	22	-	591	-	-	-	-	591	591	-	-	591
Corporate debt securities	22	-	-	373	-	-	-	373	373	-	-	373
Equity securities	22	-	254	-	511	-	-	765	540	-	225	765
		483	934	373	511	-	-	2,301				
Financial assets not measured at fair value												
Trade and other receivables	14,15	-	-	-	-	24,265	-	24,265	-	-	-	-
Cash and cash equivalents	16	-	-	-	-	1,850	-	1,850	-	-	-	-
Corporate debt securities	22	-	-	-	-	2,256	-	2,256	2,259	-	-	2,259
		-	-	-	-	28,371	-	28,371				
Financial liabilities measured at fair value												
Interest rate swaps used for hedging	24	(7)	-	-	-	-	-	(7)	-	(7)	-	(7)
Forward exchange contracts used for hedging	24	(5)	-	-	-	-	-	(5)	-	(5)	-	(5)
Contingent consideration	24	-	-	-	-	-	-	-	-	-	-	-
		(12)	-	-	-	-	-	(12)				
Financial liabilities not measured at fair value ^c												
Bank overdrafts	16	-	-	-	-	-	(282)	(282)	-	-	-	-
Secured bank loans	23	-	-	-	-	-	(21,395)	(21,395)	-	(22,387)	-	(22,387)
Loan from associate	23	-	-	-	-	-	(1,000)	(1,000)	-	(997)	-	(997)
Finance lease liabilities	23	-	-	-	-	-	(2,182)	(2,182)	-	(2,163)	-	(2,163)
Trade payables*	24	-	-	-	-	-	(20,329)	(20,329)	-	-	-	-
		-	-	-	-	-	(45,188)	(45,188)				

Fair values and risk management (continued)

B. Measurement of fair values

i. Valuation techniques and significant unobservable inputs

The following tables show the valuation techniques used in measuring Level 2 and Level 3 fair values, as well as the significant unobservable inputs used.

PBE IPSAS 30.31-33

Financial instruments measured at fair value

Type	Valuation technique	Significant unobservable inputs	Inter-relationship between significant unobservable inputs and fair value measurement
Contingent Consideration	<i>Discounted cash flows:</i> The valuation model considers the present value of the expected future payments, discounted using a risk-adjusted discount rate.	<ul style="list-style-type: none"> — Expected cash flows (31 March 2022: \$318 thousand \$388 thousand). — Risk-adjusted discount rate (2021: 5.5%; 2020: 5.0%). 	<p>The estimated fair value would increase (decrease) if:</p> <ul style="list-style-type: none"> — the expected cash flows were higher (lower); or — The risk-adjusted discount rate were lower (higher).
Equity securities	<i>Market comparison technique:</i> The valuation model is based on market multiples derived from quoted prices of companies comparable to the investee, adjusted for the effect of the non-marketability of the equity securities, and the revenue and EBITDA of the investee. The estimate is adjusted for the net debt of the investee.	<ul style="list-style-type: none"> — Adjusted market multiple (2021: 4–7). 	The estimated fair value would increase (decrease) if the adjusted market multiple were higher (lower).
Corporate debt securities	<i>Market comparison/ discounted cash flow:</i> The fair value is estimated considering (i) current or recent quoted prices for identical securities in markets that are not active and (ii) a net present value calculated using discount rates derived from quoted yields of securities with similar maturity and credit rating that are traded in active markets, adjusted by an illiquidity factor.	Not applicable.	Not applicable.
Forward exchange contracts	<i>Forward pricing:</i> The fair value is determined using quoted forward exchange rates at the reporting date and present value calculations based on high credit quality yield curves	Not applicable.	Not applicable.

PBE IPSAS 40.124(b)(iii)

Fair values and risk management (continued)

Interest rate swaps	<p>in the respective currencies.</p> <p><i>Swap models:</i> The fair value is calculated as the present value of the estimated future cash flows. Estimates of future floating-rate cash flows are based on quoted swap rates, futures prices and interbank borrowing rates. Estimated cash flows are discounted using a yield curve constructed from similar sources and which reflects the relevant benchmark interbank rate used by market participants for this purpose when pricing interest rate swaps. The fair value estimate is subject to a credit risk adjustment that reflects the credit risk of the Group and of the counterparty; this is calculated based on credit spreads derived from current credit default swap or bond prices.</p>	Not applicable.	Not applicable.
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Financial instruments not measured at fair value

Type	Valuation technique
Other financial liabilities*	<i>Discounted cash flows:</i> The valuation model considers the present value of expected payment discounted using a risk-adjusted discount rate.

*Other financial liabilities include secured and unsecured bank loans, unsecured bond issues, convertible notes – liability component, loans from associates and finance lease liabilities

PBE IPSAS 30 RDR 31.1

A Tier 2 entity shall disclose, for all financial assets and financial liabilities that are measured at fair value, the basis for determining fair value, for example, quoted market price in an active market or a valuation technique. When a valuation technique is used, the entity shall disclose the assumptions applied in determining fair value for each class of financial assets or financial liabilities. For example, if applicable, an entity discloses information about the assumptions relating to prepayment rates, rates of estimated credit losses, and interest rates or discount rates.

PBE IPSAS 30.33(b)

ii. *Transfer between Levels 1 and 2*

At 31 March 2022, FVOCRE corporate debt securities with a carrying amount of \$40 thousand were transferred from level 1 to level 2 because quoted prices in the market for such debt securities were no longer regularly available. To determine the fair value of such debt securities, management used a valuation technique in which all significant inputs were based on observable market data. There were no transfers from Level 2 to Level 1 in 2022 and no transfers in either direction in 2021.

Fair values and risk management (continued)

iii. Level 3 fair values

Reconciliation of Level 3 fair values

The following table shows a reconciliation from the opening balances to the closing balances for level 3 fair values.

<i>In thousands of NZD</i>	<i>Note</i>	Equity securities *	Contingent Consideration
Balance at 1 April 2020		-	-
Gain included in OCRE			
- Net change in fair value (unrealised)		13	-
Purchases		212	-
Balance at 31 March 2021		225	-
Balance at 1 April 2021		225	
Assumed in a business combination	29(A)	-	(250)
Loss included in 'finance costs'			
- Net change in fair value (unrealised)	10	-	(20)
Gain included on OCRE			
- Net change in fair value (unrealised)		18	-
Transfers out of Level 3		(243)	-
Balance at 31 March 2022			(270)

* These securities are classified at FVOCRE in accordance with PBE IPSAS 41 (see [Note 22](#)).

Transfer out of Level 3

The Group holds an investment in equity shares for MSE limited, which is classified at FVOCRE, with a fair value of \$243 thousand at 31 March 2022 (31 March 2021: \$225 thousand). The fair value of the investment was previously categorised as Level 3 at 31 March 2021 (for information on the valuation technique, see (i) above). This was because the shares were not listed on an exchange and there were no recent observable arm's length transactions in the shares.

During 2022, MSE Limited listed its equity shares on an exchange and they are currently actively traded in that market. Because the equity shares now have a published price quotation in an active market, the fair value measurement was transferred from Level 3 to Level 1 of the fair value hierarchy at 31 March 2022.

PBE IPSAS 30.47 Sensitivity analysis

For the fair values on contingent consideration and equity securities – at FVOCRE, reasonably possible changes at the reporting date to one of the significant unobservable inputs, holding other inputs constant, would have the following effects.

<i>Contingent consideration</i> <i>Effects in thousands of NZD</i>	Surplus or deficit	
	Increase	Decrease
31 March 2022		
Expected cash flows (10% movement)	(23)	23
Risk-adjusted discount rate (1% movement)	6	(6)
Equity securities – at FVOCRE	Other comprehensive revenue and expense – net of tax	
<i>Effects in thousands of NZD</i>	Increase	Decrease
31 March 2021		
Adjusted market multiple (5% movement)	81	(81)

C. Financial risk management

The Group has exposure to the following risks arising from financial instruments:

- Credit risk (see [\(C\)\(ii\)](#)).
- Liquidity risk (see [\(C\)\(iii\)](#)).
- Market risk (see [\(C\)\(iv\)](#)).

PBE IPSAS 30.38-39,
40(b)

i. Risk management framework

The Group's board of directors has overall responsibility for the establishment and oversight of the Group's Risk Management Committee, which is responsible for developing and monitoring the Group's risk management policies. The committee reports regularly to the board of directors on its activities.

The Group's risk management policies are established to identify and analyse the risks faced by the Group, to set appropriate risk limits and controls and to monitor risks and adherence to limits. Risk management policies and systems are reviewed regularly to reflect changes in the market conditions and the Group's activities. The Group, through its training and management standards and procedures, aims to maintain a disciplined and constructive control environment in which all employees understand their roles and obligations.

The Group Audit Committee oversees how management monitors compliance with the Group's risk management policies and procedure and reviews the adequacy of the risk management framework in relation to the risks faced by the Group. The Group Audit Committee is assisted in its oversight role by Internal Audit. Internal Audit undertakes both regular and ad hoc reviews of risk management controls and procedures, the results of which are reported to the Audit Committee.

PBE IPSAS 30.38-39, 40

ii. Credit risk

Credit risk is the risk of financial loss to the Group if a customer or counterparty to a financial instrument fails to meet its contractual obligations and arises principally from the Group's receivables from the customers and investments in debt securities.

PBE IPSAS 30.42K(a)

The carrying amount of financial assets represents the maximum credit exposure.

PBE IPSAS 1.99.1(ba)
PBE IPSAS 30
RDR 24.1

Impairment losses on financial assets recognised in surplus or deficit were as follows.

<i>In thousands of NZD</i>	2022	2021
Impairment loss on trade receivables	161 *	33
Impairment loss on debt securities at amortised cost	62	-
Impairment loss (reversal) on debt securities at FVOCRE	(3)	-
	220	33

* Of which, \$11 thousand (2021: \$3 thousand) related to a discontinued operation (see [Note 7](#)).

Trade and other receivables

PBE IPSAS 30.40(a)-(b)

The Group's exposure to credit risk is influenced mainly by the individual characteristics of each customer. However, management also considers the factors that may influence the credit risk of its customer base, including the default risk of the industry and country in which customers operate.

The Risk Management Committee has established a credit policy under which each new customer is analysed individually for creditworthiness before the Group's standard payment and delivery terms and conditions are offered. The Group's review includes external ratings, if they are available, financial statements, credit agency information, industry information and in some cases bank references. Sale limits are established for each customer and reviewed quarterly. Any sales exceeding those limits require approval from the Risk Management Committee.

The Group limits its exposure to credit risk from trade receivables by establishing a maximum payment period of one and three months for individual and corporate customers respectively.

More than 85% of the Group's customers have been transacting with the Group for over four years, and none of these customers' balances have been written off or are credit-impaired at the reporting date. In monitoring customer credit risk, customers are grouped according to their credit characteristics, including whether they are an individual or a legal entity, whether they are wholesale, retail or end-user customer, their geographic location, industry, trading history with the Group and existence of previous financial difficulties.

PBE IPSAS 30.40(c)

The Group is closely monitoring the economic environment in the South Pacific and is taking actions to limit its exposure to customers in countries experiencing particular economic volatility. In 2022, certain purchase limits have been reduced, particularly for customers operating in [*Countries A, B, C, D and E*], because the Group's experience is that the recent economic volatility has had a greater impact for customers in those countries than for customers in other countries.

PBE IPSAS 30.42K(b) The Group does not require collateral in respect of trade and other receivables. The group does not have trade receivable for which no loss allowance is recognised because of collateral.

The quantitative information below on trade receivables includes amounts classified as held-for-sale (see [Note 17](#)).

PBE IPSAS 30.41(a), 41(c) At 31 March 2022, the exposure to credit risk for trade and other receivables by geographic region was as follows.

<i>In thousands of NZD</i>	Carrying amount	
	2022	2021
[Countries A,B,C,D AND E]	1,053	1,583
Other South Pacific countries	21,191	12,122
UK	2,534	2,685
US	9,915	7,687
Other regions	249	188
	34,942	24,265

PBE IPSAS 30.41(a), 41(c) At 31 March 2022, the exposure to credit risk for trade and other receivables by type of counterparty was as follows.

<i>In thousands of NZD</i>	Carrying amount	
	2022	2021
Wholesale customers	26,479	16,209
Retail customers	8,090	7,145
End-user customers	298	820
Other	75	91
	34,942	24,265

PBE IPSAS 30.41(a), 41(c) At 31 March 2022, the Group's most significant customer, an Australian wholesaler, accounted for \$8,034 thousand of the trade and other receivables carrying amount (2021: \$4,986 thousand).

PBE IPSAS 30.41(a), 42M A summary of the Group's exposure to credit risk for trade receivables is as follows.

<i>In thousands of NZD</i>	2022		2021	
	Not credit-impaired	Credit-impaired	Not credit-impaired	Credit-impaired
External credit ratings at least Baa3 from [Rating Agency X]				
Or BBB- from [Rating Agency Y]	4,192	-	2,338	-
Other customers				
- Four or more years' trading history with the Group*	21,185	-	13,126	-
- Less than four years' trading history with the Group*	8,735	-	7,633	-
- Higher risk	839	227	1,099	249
Total gross carrying amount	34,951	227	24,196	249
Loss allowance	(163)	(73)	(147)	(33)
	34,788	154	24,049	216

*Excluding 'higher risk'.

Expected credit loss assessment for corporate customers

PBE IPSAS 30.42B(a), 42F(c), 42G(a)-(b) The Group allocates each exposure to a credit risk grade based on data that is determined to be predictive of the risk of loss (including but not limited to external ratings, audited financial statements, management accounts and cash flow projections and available press information about customers) and applying experienced credit judgement. Credit risk grades are defined using qualitative and quantitative factors that are indicative of the risk of default and are aligned to external credit rating definitions from agencies [Rating Agencies X and Y].

Exposures within each credit risk grade are segmented by geographic region and industry classification and an ECL rate is calculated for each segment based on delinquency status and actual credit loss experience over the past seven years. These rates are multiplied by scalar factors to reflect differences between economic conditions during the period over which the historical data has been collected, current conditions and the Group's view of economic conditions over the expected lives of the receivables.

Scalar factors are based on GDP forecast and industry outlook and include the following: 1.3 for New Zealand, 0.9 for Canada, 1.1 for Australia and 1.8 for Germany.

The following table provides information about the exposure to credit risk and ECLs for trade receivables for corporate customers as at 31 March 2022.

<i>PBE IPSAS 30.42M, AG8I</i>	31 March 2022 <i>In thousands of NZD</i>	Equivalent to external credit rating [AGENCY y]	Weighted-average loss rate	Gross carrying amount	Impairment loss allowance	Credit-impaired
	Grade 1-6: Low risk	BBB- to AAA	0.23%	9,163	(21)	No
	Grade 7-9: Fair risk	BB- to BB+	0.45%	15,673	(71)	No
	Grade 10: Substandard	B- to CCC-	1.96%	1,633	(32)	No
	Grade 11: Doubtful	C to CC	20.49%	122	(25)	Yes
	Grade 12: Loss	D	44.78%	67	(30)	Yes
				26,658	(179)	

PBE IPSAS 30.42B(a), 42F(c), 42G(a)-(b) The following table provides information about the exposure to credit risk and ECLs for trade receivables for corporate customers as at 31 March 2021.

<i>PBE IPSAS 30.42M, AG8I</i>	31 March 2021 <i>In thousands of NZD</i>	Equivalent to external credit rating [AGENCY y]	Weighted-average loss rate	Gross carrying amount	Impairment loss allowance	Credit-impaired
	Grade 1-6: Low risk	BBB- to AAA	0.29%	4,786	(14)	No
	Grade 7-9: Fair risk	BB- to BB+	0.47%	10,444	(49)	No
	Grade 10: Substandard	B- to CCC-	4.07%	865	(35)	No
	Grade 11: Doubtful	C to CC	7.52%	133	(10)	Yes
	Grade 12: Loss	D	11.88%	101	(12)	Yes
				16,329	(120)	

Expected credit loss assessment for individual customers

PBE IPSAS 30.42B(a), 42F(c), 42G(a)-(b) The Group uses an allowance matrix to measure the ECLs of trade receivables from individual customers, which comprise a very large number of small balances.

Loss rates are calculated using a 'roll rate' method based on the probability of a receivable progressing through successive stages of delinquency to write-off. Roll rates are calculated separately for exposures in different segments based on the following common credit risk characteristics – geographic region, age of customer relationship and type of product purchased.

The following table provides information about the exposure to credit risk and ECLs for trade receivables from individual customers as at 31 March 2022.

<i>PBE IPSAS 30.42M, 42N, AG8I</i>	31 March 2022 <i>In thousands of NZD</i>	Weighted-average loss rate	Gross carrying amount	loss allowance	Credit-impaired
	Current (not past due)	0.16%	6,497	(10)	No
	1-30 days past due	0.49%	1,638	(8)	No
	31-60 days past due	2.54%	236	(6)	No
	61-90 days past due	13.51%	111	(15)	No
	More than 90 days past due	47.37%	38	(18)	Yes
			8,520	(57)	

PBE IPSAS 30.42B(a), 42F(c), 42G(a)-(b) The following table provides information about the exposure to credit risk and ECLs for trade receivables from individual customers as at 31 March 2021.

<i>PBE IPSAS 30.42M, 42N, AG8I</i>	31 March 2021 <i>In thousands of NZD</i>	Weighted-average loss rate	Gross carrying amount	loss allowance	Credit-impaired
	Current (not past due)	0.15%	5,696	(9)	No
	1-30 days past due	0.65%	2,012	(13)	No
	31-60 days past due	3.27%	214	(7)	No
	61-90 days past due	11.17%	179	(20)	No
	More than 90 days past due	73.33%	15	(11)	Yes
			8,116	(60)	

Loss rates are based on actual credit loss experience over the past seven years. These rates are multiplied by scalar factors to reflect differences between economic conditions during the period over which the historical data has been collected, current conditions and the Group's view of economic conditions over the expected lives of the receivables.

Scalar factors are based on actual and forecast unemployment rates and are as follows: 1.3 for New Zealand, 0.95 for Canada and 1.2 for Australia.

Movements in the allowance for impairment in respect of trade receivables

PBE IPSAS 30.42H, 49P

The movement in the allowance for impairment in respect of trade receivables during the year was as follows.

<i>In thousands of NZD</i>	2022	2021
Balance at 1 April	180	152
Amounts written off	(80)	(5)
Amounts derecognised due to discontinued operation	(25)	-
Net remeasurement of loss allowance	161	33
Balance at 31 March	236	180

PBE IPSAS 30.42L

Trade receivables with a contractual amount of \$70 thousand written off during 2022 the reporting period are still subject to enforcement activity.

PBE IPSAS 30.42I

The following significant changes in the gross carrying amounts of trade receivables contributed to the changes in the impairment loss allowance during the 2022 reporting period:

- the growth of the business in [Countries X and Y] resulted in increases in trade receivables of \$4,984 thousand and \$4,556 thousand respectively and increases in impairment allowances in 2022 of \$30 thousand and \$44 thousand respectively;
- increases in credit-impaired balances in [Country Z] of \$143 thousand resulted in increases in impairment allowances in 2022 of \$78 thousand; and
- a decrease in trade receivables of \$3,970 thousand attributed to the Packaging segment, which was sold in May 2021 (see [Note 7](#)), resulted in a decrease in the loss allowance in 2021 of \$25 thousand.

Debt securities

PBE IPSAS 30.40(a)-(b), 42B(a), 42F(a), 42G(a)-(b)

The Group limits its exposure to credit risk by investing only in liquid debt securities and only with counterparties that have a credit rating of at least A2 from [Rating Agency X] and A from [Rating Agency Y].

The Group monitors changes in credit risk by tracking published external credit ratings. To determine whether published ratings remain up to date and to assess whether there has been a significant increase in credit risk at the reporting date that has not been reflected in published ratings, the Group supplements this by reviewing changes in bond yields and, where available, credit default swap (CDS) prices together with available press and regulatory information about issuers.

12-month and lifetime probabilities of default are based on historical data supplied by [Rating Agency X] for each credit rating and are recalibrated based on current bond yields and CDS prices. Loss given default (LGD) parameters generally reflect an assumed recovery rate of 40% except when a security is credit-impaired, in which case the estimate of loss is based on the instrument's current market price and original effective interest rate.

The exposure to credit risk for debt securities at amortised cost, FVOCRE and FVTSD at the reporting date by geographic region was as follows.

PBE IPSAS 30.41(a), 41(c)

<i>In thousands of NZD</i>	Carrying amount	
	2022	2021
[Country X]	1,610	2,351
[Countries A,B,C,D and E]	69	115
Other South Pacific countries	368	273
UK	436	430
US	299	51
	2,782	3,220

PBE IPSAS 30.41(a),
42M

The following table presents an analysis of the credit quality of debt securities at amortised cost, FVOCRE and FVTSD. It indicates whether assets measured at amortised cost or FVOCRE were subject to a 12-month ECL or lifetime

ECL allowance and, in the latter case, whether they were credit-impaired.

Credit rating	2022					2021					
	FVTSD	FVOCRE	At amortised cost			FVTSD	FVOCRE	At amortised cost			
			12-month ECL	12-month ECL	Lifetime ECL-not credit-impaired			Lifetime ECL-credit-impaired	12-month ECL	12-month ECL	Lifetime ECL-not credit-impaired
<i>In thousands of NZD</i>											
BBB- to AAA	243	122	1,764	-	-	591	378	1,569	-	-	-
BB- to BB+	-	-	-	207	-	-	-	-	-	334	-
B- to B+	-	-	-	113	-	-	-	-	-	233	-
C to CCC+	-	-	-	247	-	-	-	-	-	73	-
D	-	-	-	-	185	-	-	-	-	-	80
Gross carrying amounts		122	1,764	567	185		378	1,569	640	80	
Loss allowance		(1)	(15)	(25)	(55)		(4)	(10)	(3)	(20)	
Amortised cost		121	1,749	542	130		374	1,559	637	60	
Carrying amount	243	118	1,749	542	130	591	373	1,559	637	60	

The Group did not have any debt securities that were past due but not impaired at 31 March 2021.

PBE IPSAS 30.42I,

An impairment allowance of \$55 thousand (2021: \$20 thousand) in respect of debt securities at amortised cost with a credit rating of D was recognised because of significant financial difficulties being experienced by the issuers. The Group has no collateral in respect of these investments.

PBE IPSAS 30.42H, 49P

The movement in the allowance for impairment for debt securities at amortised cost during the year was as follows.

	2022			
	12-month ECL	Lifetime ECL-not credit-impaired	Lifetime ECL-credit-impaired	Total
<i>In thousands of NZD</i>				
Balance at 1 April 2021	10	3	20	33
Net remeasurement of loss allowance	5	46	27	78
Transfer to lifetime ECL – not credit-impaired	(1)	1	-	-
Transfer to lifetime ECL – credit-impaired	-	(8)	8	-
Financial assets repaid	(2)	(17)	-	(19)
New financial assets acquired	3	-	-	3
Balance at 31 March 2022	15	25	55	95
	2021			
	12-month ECL	Lifetime ECL-not credit-impaired	Lifetime ECL-credit-impaired	Total
<i>In thousands of NZD</i>				
Balance at 1 April 2020	1	25	6	33
Net remeasurement of loss allowance	6	(14)	9	1
Transfer to lifetime ECL – not credit-impaired	1	(1)	-	-
Transfer to lifetime ECL – credit-impaired	-	(5)	5	-
Financial assets repaid	-	(3)	-	(3)
New financial assets acquired	2	-	-	2
Balance at 31 March 2021	10	3	20	33

The following contributed to the increase in the loss allowance during 2022.

— An issuer of a debt security with a gross carrying amount of \$109 thousand entered administration. The Group classified the debt security as credit-impaired and increased the loss allowance by \$25 thousand.

— A recession in [Country Y] in the fourth quarter of 2022 resulted in credit rating downgrades and transfers to lifetime ECL measurement, with consequent increases in loss allowances of \$33 thousand.

PBE IPSAS 30.20A, 42I,
49P

The movement in the allowance for impairment in respect of debt securities at FVORE during the year was as follows.

<i>In thousands of NZD</i>	2022	2021
	12-month ECL	12-month ECL
Balance at 1 April	4	4
Net remeasurement of loss allowance	(1)	(1)
Financial assets derecognised	(3)	-
New financial assets acquired	1	1
Balance at 31 March	1	4

Cash and cash equivalents

PBE IPSAS 30.40(a)-(b)
41(a), 42B(a), 42F(a),
42G(a)-(b), 42M

The Group held cash and cash equivalents of \$505 thousand at 31 March 2022 (2021: \$1,850 thousand). The cash and cash equivalents are held with bank and financial institution counterparties, which are rated AA- to AA+, based on [Rating Agency Y] ratings.

Impairment on cash and cash equivalents has been measured on a 12-month expected loss basis and reflects the short maturities of the exposures. The Group considers that its cash and cash equivalents have low credit risk based on the external credit ratings of the counterparties.

The Group uses a similar approach for assessment of ECLs for cash and cash equivalents to those used for debt securities.

PBE IPSAS 30.42H, 49P

The amount of impairment allowance as at 31 March 2022 is \$1 thousand (2021: \$1 thousand).

Derivatives

PBE IPSAS 30.40(a)-(b),
41(a)

The derivatives are entered into with the bank and financial institution counterparties, which are rated AA- to AA+, based on [Rating Agency Y] ratings.

Guarantees

The Group's policy is to provide financial guarantees only for subsidiaries' liabilities. At 31 March 2022, the Group has issued a guarantee to certain banks in respect of credit facilities granted to two subsidiaries.

iii. Liquidity risk

PBE IPSAS 30.38, 40

Liquidity risk is the risk that the Group will encounter difficulty in meeting the obligations associated with its financial liabilities that are settled by delivering cash or another financial asset. The Groups' approach to managing liquidity is to ensure, as far as possible, that it will have sufficient liquidity to meet its liabilities when they are due, under both normal and stressed conditions, without incurring unacceptable deficits or risking damage to the Group's reputation.

The Group uses activity-based costing to cost its products and services, which assists it in monitoring cash flow requirements and optimising its cash return on investment.

PBE IPSAS 30.41(a),
46(c), AG11

The Group aims to maintain the level of its cash equivalents and other highly marketable debt investments at an amount in excess of expected cash outflows on financial liabilities (other than trade payables) over the next 60 days. The ratio of investments to outflows was 1.65 at 31 March 2022 (2021: 1.58). The Group also monitors the level of expected cash inflows on trade and other receivables together with expected cash outflows on trade and other payables. At 31 March 2022, the expected cash flows from trade and other receivables maturing within two months were \$12,331 thousand (2021: \$8,940 thousand). This excludes the potential impact of extreme circumstances that cannot reasonably be predicted, such as natural disasters.

PBE IPSAS 2.61(a)
PBE IPSAS 30 AG18

In addition, the Group maintains the following lines of credit.

— \$10 million overdraft facility that is unsecured. Interest would be payable at the rate of Euribor plus 150 basis points (2021: Euribor plus 160 basis points)

\$15 million facility that is unsecured and can be drawn down to meet short-term financing needs. The facility has a 30-day maturity that renews automatically at the option of the Group. Interest would be payable at a rate of Euribor plus 100 basis points (2021: Euribor plus 110 basis points).

Exposure to liquidity risk

PBE IPSAS 30.46(a)

The following are the remaining contractual maturities of financial liabilities at the reporting date. The amounts are gross and undiscounted and include contractual interest payments and exclude the impact of netting agreements.

	31 March 2022 <i>In thousands of NZD</i>	Carrying amount	Contractual cash flows					More than 5 years
			Total	2 months or less	2-12 months or less	1-2 years	2-5 years	
<i>PBE IPSAS 30.46(a), AG13 – AG16</i>	Non-derivative financial liabilities							
	Contingent consideration	270	(330)	-	-	-	(330)	-
	Bank overdrafts	334	(334)	(334)	-	-	-	-
	Secured bank loans	31,002	(31,394)	(1,993)	(8,215)	(5,237)	(15,949)	-
	Finance lease liabilities	1,928	(2,663)	(178)	(357)	(450)	(678)	(1,000)
	Trade payables	22,080	(22,080)	(22,080)	-	-	-	-
		55,614	(56,801)	(19,575)	(8,572)	(5,687)	(16,957)	(1000)
<i>PBE IPSAS 30.46(b), AG13-AG16</i>	Derivative financial liabilities							
	Interest rate swaps used for hedging	20	(21)	(1)	(6)	(6)	(8)	-
	Forward exchange contracts used for hedging:							
	- Outflow	8	(152)	(91)	(61)	-	-	-
	- Inflow		142	85	57	-	-	-
		28	(31)	(7)	(10)	(6)	(8)	-
	31 March 2021							
	Non-derivative financial liabilities							
	Bank overdrafts	282	(282)	(282)	-	-	-	-
	Secured bank loans	21,395	(21,410)	(2,806)	(5,886)	(846)	(10,380)	(1,492)
	Finance lease liabilities	2,182	(3,186)	(177)	(354)	(458)	(666)	(1,531)
	Loan from associate	1,000	(1,000)	-	(1,000)	-	-	-
	Trade payables	20,329	(20,329)	(20,329)	-	-	-	-
		45,188	(46,207)	(17,064)	(7,240)	(1,304)	(11,046)	(3,023)
<i>PBE IPSAS 30.46(b), AG13-AG16</i>	Derivative financial liabilities							
	Interest rate swaps used for hedging	5	(5)	-	(2)	(1)	(2)	-
	Forward exchange contracts used for hedging:							
	- Outflow	7	(41)	(25)	(16)	-	-	-
	- Inflow		32	19	13	-	-	-
		12	(14)	(6)	(5)	(1)	(2)	-
<i>PBE IPSAS 30.36(b)-(c), AG16</i>	The inflows/ (outflows) disclosed in the above table represent the contractual undiscounted cash flows relating to derivative financial liabilities held for risk management purposes and which are not usually closed out before contractual maturity. The disclosure shows net cash flow amounts for derivatives that are net-cash-settled and gross cash inflow and outflow amounts for derivatives that have simultaneous gross cash settlement.							
<i>PBE IPSAS 30 AG11</i>	As disclosed in Note 23 and 32 , the Group has a secured bank loan that contains a loan covenant. A future breach of covenant may require the Group to repay the loan earlier than indicated in the above table. In addition, convertible notes will become repayable on demand if the Group's net debt to adjusted equity ratio exceeds 1.95. Under the agreement, the covenant is monitored on a regular basis by the treasury department and regularly reported to the management to ensure compliance with the agreement.							
	The interest payments on variable interest rate loans and bond issues in the table above reflect market forward interest rates at the reporting date and these amounts may change as market interest rates change. The future cash flows on contingent consideration (see Note 29(A)) and derivative instruments may be different from the amount in the above table as interest rates and exchange rates or the relevant conditions underlying the contingency change. Except for these financial liabilities, it is not expected that the cash flows included in the maturity analysis could occur significantly earlier, or at significantly different amounts.							
	iv. Market risk							
<i>PBE IPSAS 30.40</i>	Market risk is the risk that changes in market prices – such as foreign exchange rates, interest rates and equity prices – will affect the Group's income or the value of its holdings of financial instruments. The							

objective of market risk management is to manage and control market risk exposures within acceptable parameters, while optimising the return.

The Group uses derivatives to manage market risks. All such transactions are carried out within the guidelines set by the Risk Management Committee. Generally, the Group seeks to apply hedge accounting to manage surplus or deficit.

Managing interest rate benchmark reform and associated risks

Overview

PBE IPSAS 30.28H(c)

A fundamental reform of major interest rate benchmarks is being undertaken globally, including the replacement of some interbank offered rates (IBORs) with alternative nearly risk-free rates (referred to as 'IBOR reform'). The Group has exposures to IBORs on its financial instruments that will be replaced or reformed as part of these market-wide initiatives. The Group's main IBOR exposure at 31 March 2021 was indexed to sterling LIBOR and US dollar LIBOR. The alternative reference rate for sterling LIBOR is the Sterling Overnight Index Average (SONIA) rate and for the US dollar LIBOR it is the Secured Overnight Financing Rate (SOFR). Amendments to financial instruments with contractual terms indexed to sterling LIBOR such that they incorporate new benchmark rates were completed by 31 March 2022. Although US dollar LIBOR was planned to be discontinued by the end of 2021, in November 2020 the ICE Benchmark Administration (IBA), the FCA-regulated and authorised administrator of LIBOR, announced that it had started to consult on its intention to cease the publication of certain USD LIBORs after June 2023. As at 31 March 2022, it is still unclear when the announcement that will set a date for the termination of the publication of US dollar LIBOR will take place. Nevertheless, the Group had finished the process of implementing appropriate fallback provisions for all US dollar LIBOR indexed exposures by the end of 2022.

PBE IPSAS 30.28H(a),
(c), 38, 41

The risk management committee monitors and manages the Group's transition to alternative rates. The committee evaluates the extent to which contracts reference IBOR cash flows, whether such contracts will need to be amended as a result of IBOR reform and how to manage communication about IBOR reform with counterparties. The committee reports to the Company's board of directors quarterly and collaborates with other business functions as needed. It provides periodic reports to management of interest rate risk and risks arising from IBOR reform.

Non-derivative financial assets

The Group's IBOR exposures to non-derivative financial assets as at 31 March 2021 were corporate debt securities indexed to sterling LIBOR and US dollar LIBOR. As explained above, the Group has finished the process of amending contractual terms for all of the sterling LIBOR indexed exposures to incorporate SONIA by 31 March 2022. In respect of US dollar LIBOR exposures, the Group has been a party to agreements that introduce fallback clauses into all such instruments. These clauses automatically switch the instrument from USD LIBOR to SOFR as and when USD LIBOR ceases. It is unclear when the announcement that will set a date for the termination of the publication of USD LIBOR will take place.

Non-derivative financial liabilities

The Group has modified all of its floating-rate liabilities indexed to sterling LIBOR (see [Note 23](#)) to reference SONIA during the year ended 31 March 2022. As a result, the Group's IBOR exposures to non-derivative financial liabilities as at 31 March 2022 were secured bank loans indexed to SONIA and unsecured bond issues indexed to Euribor. The calculation methodology of Euribor changed during 2019. In July 2019, the Belgian Financial Services and Markets Authority granted authorisation with respect to Euribor under the *European Union Benchmarks Regulation*. This allows market participants to continue to use Euribor for both existing and new contracts and the Group expects that Euribor will continue to exist as a benchmark rate for the foreseeable future.

Derivatives

The Group holds interest rate swaps for risk management purposes which are designated in cash flow hedging relationships. The interest rate swaps have floating legs that are indexed to either Euribor or SONIA. The Group's derivative instruments are governed by contracts based on the International Swaps and Derivatives Association (ISDA)'s master agreements.

Hedge accounting

The Group's hedged items and hedging instruments as at the reporting date are indexed to Euribor or SONIA. These benchmark rates are quoted each day and the IBOR cash flows are exchanged with counterparties as usual.

The Group replaced its sterling LIBOR interest rate derivatives used in cash flow hedging relationships with economically equivalent interest rate derivatives referencing SONIA by the end of 2022. Therefore, there is no longer uncertainty about when and how replacement may occur with respect to the relevant hedged

PBE IPSAS 30.28H(b),
(e)

items and hedging instruments. As a result, the Group no longer applies the amendments to PBE IPSAS 30 issued in September 2019 (Phase 1) to those hedging relationships.

Total amounts of unreformed contracts, including those with an appropriate fallback clause

The Group monitors the progress of transition from IBORs to new benchmark rates by reviewing the total amounts of contracts that have yet to transition to an alternative benchmark rate and the amounts of such contracts that include an appropriate fallback clause. The Group considers that a contract is not yet transitioned to an alternative benchmark rate when interest under the contract is indexed to a benchmark rate that is still subject to IBOR reform, even if it includes a fallback clause that deals with the cessation of the existing IBOR (referred to as an 'unreformed contract').

The following table shows the total amounts of unreformed contracts and those with appropriate fallback language at 1 April 2021 and at 31 March 2022. The amounts of financial assets and financial liabilities are shown at their carrying amounts and derivatives are shown at their notional amounts.

In thousands of NZD	GBP LIBOR		USD LIBOR	
	Total amount of unreformed contracts	Amount with appropriate fallback clause	Total amount of unreformed contracts	Amount with appropriate fallback clause
31 March 2022				
Financial Assets				
Corporate debt securities	-	-	253	253
Financial Liabilities				
Secured bank loans	-	-	-	-
Derivatives				
Interest Rate Swaps	-	-	-	-
1 April 2021				
Financial Assets				
Corporate debt securities	1,071	589	251	63
Financial Liabilities				
Secured bank loans	4,855	-	-	-
Derivatives				
Interest Rate Swaps	5,647	-	-	-

Currency risk

PBE IPSAS 30.25C,
26A(a)

The Group is exposed to currency risk to the extent that there is a mismatch between the currencies in which sales, purchases and borrowings are denominated and the respective functional currencies of the Group entities. The functional currencies of Group companies are primarily NZ dollars (NZD) and Swiss francs (CHF). The currencies in which these transactions are primarily denominated are NZ dollars, US dollars, sterling and Swiss francs.

PBE IPSAS 30.25A, 26C

The Group's risk management policy is to hedge 75 to 85% of its estimated foreign currency exposure in respect of forecast sales and purchases over the following 12 months at any point in time. The Group uses forward exchange contracts to hedge its currency risk, most with a maturity of less than one year from the reporting date. These contracts are generally designated as cash flow hedges.

PBE IPSAS 30.26B

The Group designates the spot element of forward foreign exchange contracts to hedge its currency risk and applies a hedge ratio of 1:1. The forward elements of forward exchange contracts are excluded from

the designation of the hedging instrument and are separately accounted for as a cost of hedging, which is recognised in equity in a cost of hedging reserve. The Group's policy is for the critical terms of the forward exchange contracts to align with the hedged item.

PBE IPSAS 30.26B(b) The Group determines the existence of an economic relationship between the hedging instruments and hedged item based on the currency, amount and timing of their respective cash flows. The Group assesses whether the derivative designated in each hedging relationship is expected to be and has been effective in offsetting changes in cash flows of the hedged item using the hypothetical derivative method.

PBE IPSAS 30.27D In these hedge relationships, the main sources of ineffectiveness are:

— the effect of the counterparties' and the Group's own credit risk on the fair value of the forward foreign exchange contracts, which is not reflected in the change in the fair value of the hedged cash flows attributable to the change in exchange rates; and

— changes in the timing of the hedged transactions.

Exposure to currency risk

PBE IPSAS 30.41(a) The summary quantitative data about the Group's exposure to currency risk as reported to the management of the Group is as follows.

<i>In thousands of</i>	31 March 2022				31 March 2021			
	NZD	USD	GBP	CHF	NZD	USD	GBP	CHF
Trade receivables	1,977	8,365	2,367	-	3,099	6,250	1,780	-
Secured bank loans	-	(1,447)	(886)	(1,240)	-	(1,521)	(4,855)	(1,257)
Trade payables	(876)	(7,956)	(4,347)	-	(5,411)	(10,245)	(2,680)	-
Net statement of financial position exposure	1,101	(1,038)	(2,866)	(1,240)	(2,312)	(5,516)	(5,755)	(1,257)
Next six months' forecast sales	9,000	23,000	12,000	-	18,700	17,000	24,000	-
Next six months' forecast purchases	(10,000)	(20,000)	(8,000)	-	(9,800)	(10,000)	(17,000)	-
Net forecast transaction exposure	(1,000)	3,000	4,000	-	8,900	7,000	7,000	-
Forward exchange contracts	-	(950)	(946)	-	-	(1,042)	(870)	-
Net exposure	101	1,012	188	(1,240)	6,588	442	375	(1,257)

PBE IPSAS 30.38 The following significant exchange rates have been applied.

NZD	Average Rate		Year-end spot rate	
	2022	2021	2022	2021
USD 1	0.758	0.765	0.750	0.758
GBP 1	1.193	1.214	1.172	1.230
CHF 1	0.818	0.825	0.810	0.828

PBE IPSAS 30.47 *Sensitivity analysis*

A reasonably possible strengthening (weakening) of the NZ dollar, US dollar, sterling or Swiss franc against all other currencies at 31 March would have affected the measurement of financial instruments denominated in a foreign currency and have affected equity and surplus or deficit by the amounts shown below. This analysis assumes that all other variables, in particular interest rates, remain constant and ignores any impact of forecast sales and purchases.

In thousands of NZD	Surplus or deficit		Equity, net of tax	
	Strengthening	Weakening	Strengthening	Weakening
31 March 2022				
NZD (9% movement)	(33)	33	25	(25)
USD (10% movement)	25	(25)	(7)	7
GBP (8% movement)	17	(17)	(5)	5
CHF (3% movement)	2	(2)	(30)	30
31 March 2021				
NZD (10% movement)	(37)	37	28	(28)
USD (12% movement)	85	(85)	(8)	8
GBP (10% movement)	92	(92)	(92)	7
CHF (5% movement)	6	(6)	(6)	50

Interest rate risk

PBE IPSAS 30.25C,
26B-26C

The Group adopts a policy of ensuring that between 80 and 90% of its interest rate risk exposure is at a fixed rate. This is achieved partly by entering into fixed-rate instruments and partly by borrowing at a floating rate and using interest rate swaps as hedges of the variability in cash flows attributable to movements in interest rates. The Group applies a hedge ratio of 1:1.

PBE IPSAS 30.26B,
PBE IPSAS 41.155.6

The Group determines the existence of an economic relationship between the hedging instrument and hedged item based on the reference interest rates, tenors, repricing dates and maturities and the notional or par amounts. If a hedging relationship is directly affected by uncertainty arising from IBOR reform, then the Group assumes for this purpose that the benchmark interest rate is not altered as a result of interest rate benchmark reform.

The Group assesses whether the derivative designated in each hedging relationship is expected to be effective in offsetting changes in cash flows of the hedged item using the hypothetical derivative method.

In these hedge relationships, the main sources of ineffectiveness are:

PBE IPSAS 30.27D

- the effect of the counterparty's and the Group's own credit risk on the fair value of the swaps, which is not reflected in the change in the fair value of the hedged cash flows attributable to the change in interest rates; and
- differences in repricing dates between the swaps and the borrowings.

Hedging relationships that are impacted by IBOR reform may experience ineffectiveness because of a timing mismatch between the hedged item and the hedging instrument regarding IBOR transition. For further details, see '[Managing interest rate benchmark reform and associated risks](#)' above.

Exposure to interest rate risk

PBE IPSAS 30.41(a)

The interest rate profile of the Group's interest-bearing financial instruments as reported to the management of the Group is as follows.

In thousands of NZD	2022	2021
Fixed-rate instrument		
Financial assets	2,554	2,629
Financial liabilities	(15,793)	(10,522)
Effect of interest rate swaps	(8,000)	(7,500)
	(21,239)	(15,393)
Variable-rate instruments		
Financial liabilities	(10,086)	(14,055)
Effect of interest rate swaps	8,000	7,500
	(2,086)	(6,555)

PBE IPSAS 30.47 *Fair value sensitivity analysis for fixed-rate instruments*

The Group does not account for any fixed-rate financial assets or financial liabilities at fair value through surplus or deficit, and the Group does not designate derivatives (interest rate swaps) as hedging instruments under a fair value hedge accounting model. Therefore, a change in interest rates at the reporting date would not affect surplus or deficit.

A change of 100 basis points in interest rates would have increased or decreased equity by \$65 thousand after tax (2021: \$66 thousand). This analysis assumes that all other variables, in particular foreign currency exchange rates, remain constant.

Cash flow sensitivity analysis for variable-rate instruments

A reasonably possible change of 100 basis points in interest rates at the reporting date would have increased (decreased) equity and surplus or deficit by the amounts shown below. This analysis assumes that all other variables, in particular foreign currency exchange rates, remain constant.

Effect in thousands of NZD	Surplus or deficit		Equity, net of tax	
	100 bp increase	100 bp decrease	100 bp increase	100 bp decrease
31 March 2022				
Variable-rate instruments	(66)	66	-	-
Interest rate swaps	61	(61)	310	(302)
Cash flow sensitivity (net)	(5)	5	310	(302)
31 March 2021				
Variable-rate instruments	(142)	142	-	-
Interest rate swaps	61	(61)	280	(275)
Cash flow sensitivity (net)	(81)	81	280	(275)

Other market price risk

The Group is exposed to equity price risk, which arises from investments measured at fair value through surplus or deficit. The management of the Group monitors the proportion of equity securities in this investment portfolio based on market indices. Material investments within the portfolio are managed on an individual basis and all buy and sell decisions are approved by the Risk Management Committee.

*PBE IPSAS 30
AG5(a)(iii)*

The primary goal of the Group's investment strategy is to maximise investment returns, both to partially meet the Group's underfunded defined benefit obligations and to improve its returns in general. Management is assisted by external advisers in this regard. Certain investments are designated as at fair value through surplus or deficit because their performance is actively monitored, and they are managed on a fair value basis.

PBE IPSAS 30.47 *Sensitivity analysis – Equity price risk*

All of the Group's listed equity investments are listed on either the London Stock Exchange or the New York Stock Exchange. For such investments classified as FVOCRE, a 2% increase in the FTSE 100 plus a 3% increase in the Dow Jones Industrial Average at the reporting date would have increased equity by \$28 thousand after tax (2021: an increase of \$18 thousand after tax); an equal change in the opposite direction would have decreased equity by \$28 thousand after tax (2021: a decrease of \$18 thousand of tax). For such investments classified as at FVTSD, the impact of a 2% increase in the FTSE 100 plus 3% increase in the Dow Jones Industrial average at the reporting date on surplus or deficit and equity would have been an increase of \$16 thousand after tax (2021: \$18 thousand after tax). An equal change in the opposite direction would have decreased surplus or deficit and equity by \$16 thousand after tax (2021: \$18 thousand after tax).

Cash flow hedges

PBE IPSAS 30.27B

At March 2022, the Group held the following instruments to hedge exposures to changes in foreign currency and interest rates.

	Maturity		
	1-6 months	6-12 months	More than 1 year
Foreign currency risk			
Forward exchange contracts			
Net exposure (in thousands of NZD)	253	63	-
Average EUR:USD forward contract rate	0.91	0.87	0.83
Average EUR:GBP forward contract rate	1.27	1.23	1.20
Average EUR:CHF forward contract rate	0.92	0.91	0.90
Interest rate risk			
Interest rate swaps			
Net exposure (in thousands of NZD)	-	41	78
Average fixed interest rate	2.2%	2.4%	2.8%

PBE IPSAS 30.27B

At 31 March 2021, the Group held the following instruments to hedge exposures to changes in foreign currency rates.

	1-6 months	Maturity 6-12 months	More than 1 year
Foreign currency risk			
Forward exchange contracts			
Net exposure (in thousands of NZD)	293	73	-
Average EUR:USD forward contract rate	0.93	0.89	0.85
Average EUR:GBP forward contract rate	1.35	1.32	1.28
Average EUR:CHF forward contract rate	0.95	0.93	0.91
Interest rate risk			
Interest rate swaps			
Net exposure (in thousands of NZD)	-	63	67
Average fixed interest rate	2.1%	2.2%	2.9%

PBE IPSAS 30.28B(b)

The amounts at the reporting date relating to items designated as hedged items were as follows.

	31 March 2022			
	Change in value for calculating hedge ineffectiveness	Cash flow hedge reserve	Costs of hedging hedge reserve	Balances remaining in the cash flow hedge reserve from hedging relationships for which hedge accounting is no longer applied
<i>In thousands of NZD</i>				
Foreign currency risk				
Sales, receivables and borrowings	(23)	166	15	-
Inventory purchases	(15)	101	10	-
Interest rate risk				
Variable-rate instruments	(24)	165	-	-
	31 March 2021			
Foreign currency risk				
Sales, receivables and borrowings	35	209	(23)	-
Inventory purchases	23	119	-	-
Interest rate risk				
Variable-rate instruments	37	190	-	-

The amounts relating to items designated as hedging instruments and hedge ineffectiveness were as follows:

PBE IPSAS 30.25B,
25D, 28A, 28B(b),
28C(b)

In thousands of NZD	2022			Line item in the statement of financial position where the hedging instrument is included	During the period - 2022								
	Nominal amount	Carrying amount			Changes in the value of the hedging instrument recognised in OCRE	Hedge ineffectiveness recognised in surplus or deficit	Line item in surplus or deficit that includes hedge ineffectiveness	Costs of hedging recognised in OCRE	Amount from hedging reserve transferred to cost of inventory	Amount from costs of hedging reserve transferred to cost of inventory	Amount reclassified from costs of hedging reserve to surplus or deficit	Amount reclassified from costs of hedging reserve to surplus or deficit	Line item in surplus or deficit affected by the reclassification
		Assets	Liabilities										
Foreign currency risk													
Forward exchange contracts – sales, receivables and borrowings	1,138	178	(5)	Other investments including derivatives (assets), trade and other payables (liabilities)	(23)	(9)	Finance costs – other	20			(11)	6	Revenue
Forward exchange contracts – inventory purchases	758	119	(3)		(15)	-		14	6	6	-	-	
Interest rate risk													
Interest rate swaps	8,000	116	(20)	Other investments including derivatives (assets), trade and other payables (liabilities)	(24)	(6)	Finance costs – other	-	-	-	(13)	-	Finance costs – other

The amounts relating to items designated as hedging instruments and hedge ineffectiveness were as follows:

In thousands of NZD	2021			Line item in the statement of financial position where the hedging instrument is included	During the period - 2021								
	Nominal amount	Carrying amount			Changes in the value of the hedging instrument recognised in OCRE	Hedge ineffectiveness recognised in surplus or deficit	Line item in surplus or deficit that includes hedge ineffectiveness	Costs of hedging recognised in OCRE	Amount from costs of hedging reserve transferred to cost of inventory	Amount reclassified from costs of hedging reserve to surplus or deficit	Amount reclassified from costs of hedging reserve to surplus or deficit	Line item in surplus or deficit affected by the reclassification	
		Assets	Liabilities										
Foreign currency risk													
Forward exchange contracts – sales, receivables and borrowings	1,147	211	(4)	Other investments including derivatives (assets), trade and other payables (liabilities)	35	(8)	Finance costs – other	6	-	(3)	7	Revenue	
Forward exchange contracts – inventory purchases	765	141	(3)		23	-		4	-	(1)	(2)	(5)	Finance costs – other - Cost of sales
Interest rate risk													
Interest rate swaps	7,500	131	(5)	Other investments including derivatives (assets), trade and other payables (liabilities)	37	(5)	Finance costs – other	-	-	(5)	-	-	Finance costs – other

PBE IPSAS 30.28E, 28F

The following table provides a reconciliation by risk category of components of equity and analysis of OCRE items, resulting from cash flow hedge accounting.

<i>In thousands of NZD</i>	2022	
	Hedging reserve	Cost of hedging reserve
Balance at 1 April 2021	518	(23)
Cash flow hedges		
Changes in fair values		
Foreign currency risk – inventory purchase	(15)	14
Foreign currency risk – other items	(23)	20
Interest rate risk	(24)	-
Amount reclassified to surplus or deficit:		
Foreign currency risk – other items	(17)	8
Interest rate risk	(13)	-
Amount included in the cost of non-financial items:		
Foreign currency risk – inventory purchases	6	6
Balance at 31 March 2022	432	25
	2021	
<i>In thousands of NZD</i>	Hedging reserve	Cost of hedging reserve
Balance at 1 April 2020	434	(35)
Cash flow hedges		
Effective portion of changes in fair value:		
Foreign currency risk – inventory purchase	23	4
Foreign currency risk – other items	35	6
Interest rate risk	37	-
Amount reclassified to surplus or deficit:		
Foreign currency risk	(1)	-
Foreign currency risk – other items	(5)	2
Interest rate risk	(5)	-
Amount included in the cost of non-financial items:		
Foreign currency risk – inventory purchases	-	-
Balance at 31 March 2021	518	(23)

Net Investment hedges

PBE IPSAS 30.26A

A foreign currency exposure arises from the Group's net investment in its Swiss subsidiary that has a Swiss franc functional currency. The risk arises from the fluctuation in spot exchange rates between the Swiss franc and the New Zealand Dollars, which causes the amount of the net investment to vary.

The hedged risk in the net investment hedge is the risk of a weakening Swiss franc against the New Zealand Dollars that will result in a reduction in the carrying amount of the Group's net investment in the Swiss subsidiary.

PBE IPSAS 30.26B(a)

Part of the Group's net investment in its Swiss subsidiary is hedged by a Swiss franc denominated secured bank loan (carrying amount: \$1,240 thousand (2021: \$1,257 thousand)), which mitigates the foreign currency risk arising from the subsidiary's net assets. The loan is designated as a hedging instrument for the changes in the value of the net investment that is attributable to changes in the EUR/CHF spot rate.

PBE IPSAS 30.26B(b)

To assess hedge effectiveness, the Group determines the economic relationship between the hedging instrument and the hedged item by comparing changes in the carrying amount of the debt that is attributable to a change in the spot rate with changes in the investment in the foreign operation due to movements in the spot rate (the offset method). The Group's policy is to hedge the net investment only to the extent of the debt principal.

PBE IPSAS 30.28A,
28C(b)(i)-(iii)

The amounts related to items designated as hedging instruments were as follows.

	2022				During the period - 2022					
	Nominal amount	Carrying amount		Line item in the statement of financial position where the hedging instrument is included	Change in value used for calculating hedge ineffectiveness for 2021	Change in value of hedging instrument recognised in OCRE	Hedge ineffectiveness recognised in surplus or deficit	Line item in surplus or deficit that including hedge ineffectiveness	Amount reclassified from hedging reserve to surplus or deficit	Line item affected in surplus or deficit because of the reclassification
		Assets	Liabilities							
In thousands of NZD										
Foreign exchange-denominated debt (CHF)	1,240	-	1,240	Loans and borrowings	(4)	(3)	(1)	Finance costs - other	-	N/A

PBE IPSAS 30.28B(b)

The amounts related to items designated as hedged items were as follows.

	2022		During the period - 2022	
	Change in value used for calculating hedged ineffectiveness		Foreign currency translation reserve	Balances remaining in the foreign currency translation reserve from hedging relationships for which hedge accounting is no longer applied
In thousands of NZD				
CHF net investment	3		125	-

The amounts related to items designated as hedging instruments were as follows.

	2021				During the period - 2021					
	Nominal amount	Carrying amount		Line item in the statement of financial position where the hedging instrument is included	Change in value used for calculating hedge ineffectiveness for 2020	Change in value of hedging instrument recognised in OCRE	Hedge ineffectiveness recognised in surplus or deficit	Line item in surplus or deficit that including hedge ineffectiveness	Amount reclassified from hedging reserve to surplus or deficit	Line item affected in surplus or deficit because of the reclassification
		Assets	Liabilities							
In thousands of NZD										
Foreign exchange-denominated debt (CHF)	1,257	-	1,257	Loans and borrowings	(8)	(8)	-	Finance costs - other	-	N/A

The amounts related to items designated as hedged items were as follows.

	2021		During the period - 2021	
	Change in value used for calculating hedged ineffectiveness		Foreign currency translation reserve	Balances remaining in the foreign currency translation reserve from hedging relationships for which hedge accounting is no longer applied
In thousands of NZD				
CHF net investment	8		105	-

PBE IPSAS 28.47

D. Master netting or similar agreements

The Group enters into derivative transactions under International Swaps and Derivatives Association (ISDA) master netting agreements. In general, under such agreements the amounts owed by each counterparty on a single day in respect of all transactions outstanding in the same currency are aggregated into a single net amount that is payable by one party to the other. In certain circumstances – e.g. when a credit event such as default occurs – all outstanding transactions under the agreement are terminated, the termination value is assessed and only a single net amount is payable in settlement of all transactions.

The ISDA agreements do not meet the criteria for offsetting in the statement of financial position. This is because the Group does not have any currently legally enforceable right to offset recognised amounts, because the right to offset is enforceable only on the occurrence of future events such as a default on the bank loans or other credit events.

The following table sets out the carrying amounts of recognised financial instruments that are subject to the above agreements.

<i>In thousands of NZD</i>	<i>Note</i>	Gross and net amounts of financial instruments in the statement of financial position	Related financial instruments that are not offset	Net amount
31 March 2022				
Financial assets				
Other investments, including derivatives				
- Interest rate swaps used for hedging	<u>22</u>	116	(5)	111
- Forward exchange contracts used for hedging	<u>22</u>	297	(16)	281
- Other forward exchange contracts	<u>22</u>	122	(7)	115
		535	(28)	507
Financial liabilities				
Trade and other payables				
- Interest rate swaps used for hedging	<u>24</u>	(20)	20	-
- Forward exchange contracts used for hedging	<u>24</u>	(8)	(8)	-
		(28)	12	-
31 March 2021				
Financial assets				
Other investments, including derivatives				
- Interest rate swaps used for hedging	<u>22</u>	131	(2)	129
- Forward exchange contracts used for hedging	<u>22</u>	352	(8)	344
- Other forward exchange contracts	<u>22</u>	89	(2)	87
		572	(12)	560
Financial liabilities				
Trade and other payables				
- Interest rate swaps used for hedging	<u>24</u>	(5)	5	-
- Forward exchange contracts used for hedging	<u>24</u>	(7)	7	-
		(12)	12	-

PBE IPSAS 30.AG5 **Accounting Policies**

(i) Recognition and initial measurement

PBE IPSAS 41.10 Trade receivables and debt securities issued are initially recognised when they are originated. All other financial assets and financial liabilities are initially recognised when the Group becomes a party to the contractual provisions of the instrument.

PBE IPSAS 41.57, 60 A financial asset or financial liability is initially measured at fair value plus, for an item not at FVTSD, transaction costs that are directly attributable to its acquisition or issue. At initial recognition, an entity may measure short-term receivables and payables at the original invoice amount if the effect of discounting is immaterial.

(ii) Classification and subsequent measurement

PBE IPSAS 41.39 **Financial assets**

On initial recognition, a financial asset is classified as measured at: amortised cost; FVOCRE – debt investment; FVOCRE – equity investment; or FVTSD.

PBE IPSAS 41.54, 94 Financial assets are not reclassified subsequent to their initial recognition unless the Group changes its management model for managing financial assets, in which case all affected financial assets are reclassified on the first day of the first reporting period following the change in the management model.

PBE IPSAS 41.40 A financial asset is measured at amortised cost if it meets both of the following conditions and is not designated as at FVTSD:

— it is held within a management model whose objective is to hold assets to collect contractual cash flows; and

— its contractual terms give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

PBE IPSAS 41.41 A debt investment is measured at FVOCRE if it meets both of the following conditions and is not designated as at FVTSD:

— it is held within a management model whose objective is achieved by both collecting contractual cash flows and selling financial assets; and

— its contractual terms give rise on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

PBE IPSAS 41.43, 106 On initial recognition of an equity investment that is not held for trading, the Group may irrevocably elect to present subsequent changes in the investment's fair value in OCRE. This election is made on an investment-by-investment basis.

PBE IPSAS 41.44 All financial assets not classified as measured at amortised cost or FVOCRE as described above are measured at FVTSD. This includes all derivative financial assets (see Note 28(A)). On initial recognition, the Group may irrevocably designate a financial asset that otherwise meets the requirements to be measured at amortised cost or at FVOCRE as at FVTSD if doing so eliminates or significantly reduces an accounting mismatch that would otherwise arise.

Financial assets – Management model assessment

PBE IPSAS 41.AG49 The Group makes an assessment of the objective of the management model in which a financial asset is held at a portfolio level because this best reflects the way the business is managed and information is provided to management. The information considered includes:

PBE IPSAS 41.AG51-AG52, AG57, AG60 — the stated policies and objectives for the portfolio and the operation of those policies in practice. These include whether management's strategy focuses on earning contractual interest income, maintaining a particular interest rate profile, matching the duration of the financial assets to the duration of any related liabilities or expected cash outflows or realising cash flows through the sale of the assets;

— how the performance of the portfolio is evaluated and reported to the Group's management;

— the risks that affect the performance of the management model (and the financial assets held within that management model) and how those risks are managed;

— how managers of the business are compensated – e.g. whether compensation is based on the fair value of the assets managed or the contractual cash flows collected; and

— the frequency, volume and timing of sales of financial assets in prior periods, the reasons for such sales and expectations about future sales activity.

PBE IPSAS 41.61 Transfers of financial assets to third parties in transactions that do not qualify for derecognition are not considered sales for this purpose, consistent with the Group's continuing recognition of the assets.

Financial assets that are held for trading or are managed and whose performance is evaluated on a fair value basis are measured at FVTSD.

PBE IPSAS 41.42, AG63-AG64, AG67-AG71 ***Financial assets – Assessment whether contractual cash flows are solely payments of principal and interest***

For the purposes of this assessment, 'principal' is defined as the fair value of the financial asset on initial recognition. 'Interest' is defined as consideration for the time value of money and for the credit risk associated with the principal amount outstanding during a particular period of time and for other basic lending risks and costs (e.g. liquidity risk and administrative costs), as well as a profit margin.

In assessing whether the contractual cash flows are solely payments of principal and interest, the Group considers the contractual terms of the instrument. This includes assessing whether the financial asset contains a contractual term that could change the timing or amount of contractual cash flows such that it would not meet this condition. In making this assessment, the Group considers:

- contingent events that would change the amount or timing of cash flows;
- terms that may adjust the contractual coupon rate, including variable-rate features;
- prepayment and extension features; and
- terms that limit the Group's claim to cash flows from specified assets (e.g. non-recourse features).

PBE IPSAS 41.AG73(b), AG74 A prepayment feature is consistent with the solely payments of principal and interest criterion if the prepayment amount substantially represents unpaid amounts of principal and interest on the principal amount outstanding, which may include reasonable additional compensation for early termination of the contract. Additionally, for a financial asset acquired at a discount or premium to its contractual par amount, a feature that permits or requires prepayment at an amount that substantially represents the contractual par amount plus accrued (but unpaid) contractual interest (which may also include reasonable additional compensation for early termination) is treated as consistent with this criterion if the fair value of the prepayment feature is insignificant at initial recognition.

Financial assets – Subsequent measurement and gains and losses

<i>PBE IPSAS 41.101</i>	Financial assets at FVTSD	These assets are subsequently measured at fair value. Net gains and losses, including any interest or dividend income, are recognised in surplus or deficit. However, see Note 22(v) for derivatives designated as hedging instruments.
<i>PBE IPSAS 41.103</i>	Financial assets at amortised cost	These assets are subsequently measured at amortised cost using the effective interest method. The amortised cost is reduced by impairment losses. Interest income, foreign exchange gains and losses and impairment are recognised in surplus or deficit. Any gain or loss on derecognition is recognised in surplus or deficit.
<i>PBE IPSAS 41.111-112</i>	Debt investments at FVOCRE	These assets are subsequently measured at fair value. Interest income calculated using the effective interest method, foreign exchange gains and losses and impairment are recognised in surplus or deficit. Other net gains and losses are recognised in OCRE. On derecognition, gains and losses accumulated in OCRE are reclassified to surplus or deficit.
<i>PBE IPSAS 41.106-107, AG222</i>	Equity investments at FVOCRE	These assets are subsequently measured at fair value. Dividends are recognised as income in surplus or deficit unless the dividend clearly represents a recovery of part of the cost of the investment. Other net gains and losses are recognised in OCRE and are never reclassified to surplus or deficit.

Financial liabilities – Classification, subsequent measurement and gains and losses

PBE IPSAS 29.49
PBE IPSAS 41.101

Financial liabilities are classified as measured at amortised cost or FVTSD. A financial liability is classified as at FVTSD if it is classified as held-for-trading, it is a derivative or it is designated as such on initial recognition. Financial liabilities at FVTSD are measured at fair value and net gains and losses, including any interest expense, are recognised in surplus or deficit. Other financial liabilities are subsequently measured at amortised cost using the effective interest method. Interest expense and foreign exchange gains and losses are recognised in surplus or deficit. Any gain or loss on derecognition is also recognised in surplus or deficit.

See [Note 22\(v\)](#) for financial liabilities designated as hedging instruments.

(iii) Derecognition

PBE IPSAS 41.14-17

Financial assets

The Group derecognises a financial asset when the contractual rights to the cash flows from the financial asset expire, or it transfers the rights to receive the contractual cash flows in a transaction in which substantially all of the risks and rewards of ownership of the financial asset are transferred or in which the Group neither transfers nor retains substantially all of the risks and rewards of ownership and it does not retain control of the financial asset.

PBE IPSAS 41.17(b)

The Group enters into transactions whereby it transfers assets recognised in its statement of financial position but retains either all or substantially all of the risks and rewards of the transferred assets. In these cases, the transferred assets are not derecognised.

Financial liabilities

PBE IPSAS 41.35-36

The Group derecognises a financial liability when its contractual obligations are discharged or cancelled or expire. The Group also derecognises a financial liability when its terms are modified and the cash flows of the modified liability are substantially different, in which case a new financial liability based on the modified terms is recognised at fair value.

PBE IPSAS 41.37

On derecognition of a financial liability, the difference between the carrying amount extinguished and the consideration paid (including any non-cash assets transferred or liabilities assumed) is recognised in surplus or deficit.

Interest rate benchmark reform

PBE IPSAS 41.72.3

When the basis for determining the contractual cash flows of a financial asset or financial liability measured at amortised cost changed as a result of interest rate benchmark reform, the Group updated the effective interest rate of the financial asset or financial liability to reflect the change that is required by the reform. A change in the basis of determining the contractual cash flows is required by interest rate benchmark reform if the following conditions are met:

- PBE IPSAS 41.72.3(a)
PBE IPSAS 41.72.3(b)
- the change is necessary as a direct consequence of the reform; and
 - the new basis for determining the contractual cash flows is economically equivalent to the previous basis – i.e. the basis immediately before the change.

PBE IPSAS 41.72.5

When changes were made to a financial asset or financial liability in addition to changes to the basis for determining the contractual cash flows required by interest rate benchmark reform, the Group first updated the effective interest rate of the financial asset or financial liability to reflect the change that is required by interest rate benchmark reform. After that, the Group applied the policies on accounting for modifications to the additional changes.

(iv) Offsetting

Financial assets and financial liabilities are offset and the net amount presented in the statement of financial position when, and only when, the Group currently has a legally enforceable right to set off the amounts and it intends either to settle them on a net basis or to realise the asset and settle the liability simultaneously.

(v) Impairment of non-derivative financial assets*Impairment of non-derivative financial assets*

PBE IPSAS 41.2, 73

The Group recognises loss allowances for ECLs on:

- financial assets measured at amortised cost; and
- debt investments measured at FVOCRE.

PBE IPSAS 41.75, 77,
83, 87-88

The Group measures loss allowances at an amount equal to lifetime ECLs, except for the following, which are measured at 12-month ECLs:

- debt securities that are determined to have low credit risk at the reporting date; and
- other debt securities and bank balances for which credit risk (i.e. the risk of default occurring over the expected life of the financial instrument) has not increased significantly since initial recognition.

Loss allowances for trade receivables are always measured at an amount equal to lifetime ECLs.

When determining whether the credit risk of a financial asset has increased significantly since initial recognition and when estimating ECLs, the Group considers reasonable and supportable information that is relevant and available without undue cost or effort. This includes both quantitative and qualitative information and analysis, based on the Group's historical experience and informed credit assessment and including forward-looking information.

The Group assumes that the credit risk on a financial asset has increased significantly if it is more than 30 days past due.

PBE IPSAS 30.42F(b)

The Group considers a financial asset to be in default when:

- the borrower is unlikely to pay its credit obligations to the Group in full, without recourse by the Group to actions such as realising security (if any is held); or
- the financial asset is more than 90 days past due.

PBE IPSAS 30.42F(a)(i)

The Group considers a debt security to have low credit risk when its credit risk rating is equivalent to the globally understood definition of 'investment grade'. The Group considers this to be Baa3 or higher per [Rating Agency X] or BBB- or higher per [Rating Agency Y].

Lifetime ECLs are the ECLs that result from all possible default events over the expected life of a financial instrument.

12-month ECLs are the portion of ECLs that result from default events that are possible within the 12 months after the reporting date (or a shorter period if the expected life of the instrument is less than 12 months).

PBE IPSAS 41.92

The maximum period considered when estimating ECLs is the maximum contractual period over which the Group is exposed to credit risk.

Measurement of ECLs

PBE IPSAS 41.90

ECLs are a probability-weighted estimate of credit losses. Credit losses are measured as the present value of all cash shortfalls (i.e. the difference between the cash flows due to the entity in accordance with the contract and the cash flows that the Group expects to receive).

ECLs are discounted at the effective interest rate of the financial asset.

*Credit-impaired financial assets*IPSAS 30.42F(d),
42G(a)(iii)

At each reporting date, the Group assesses whether financial assets carried at amortised cost and debt securities at FVOCRE are credit-impaired. A financial asset is 'credit-impaired' when one or more events that have a detrimental impact on the estimated future cash flows of the financial asset have occurred.

Evidence that a financial asset is credit-impaired includes the following observable data:

- significant financial difficulty of the borrower or issuer;
- a breach of contract such as a default or being more than 90 days past due;
- the restructuring of a loan or advance by the Group on terms that the Group would not consider otherwise;
- it is probable that the borrower will enter bankruptcy or other financial reorganisation; or
- the disappearance of an active market for a security because of financial difficulties.

Presentation of allowance for ECL in the statement of financial position

PBE IPSAS 41.73-74 Loss allowances for financial assets measured at amortised cost are deducted from the gross carrying amount of the assets.

For debt securities at FVOCRE, the loss allowance is charged to surplus or deficit and is recognised in OCRE.

Write-off

IPSAS 30.42F(e) The gross carrying amount of a financial asset is written off when the Group has no reasonable expectations of recovering a financial asset in its entirety or a portion thereof. For individual customers, the Group has a policy of writing off the gross carrying amount when the financial asset is 180 days past due based on historical experience of recoveries of similar assets. For corporate customers, the Group individually makes an assessment with respect to the timing and amount of write-off based on whether there is a reasonable expectation of recovery. The Group expects no significant recovery from the amount written off. However, financial assets that are written off could still be subject to enforcement activities in order to comply with the Group's procedures for recovery of amounts due.

(vi) Derivative financial instruments and hedge accounting*Derivative financial instruments and hedge accounting*

PBE IPSAS 41.49, 61(c) The Group holds derivative financial instruments to hedge its foreign currency and interest rate risk exposures. Embedded derivatives are separated from the host contract and accounted for separately if the host contract is not a financial asset and certain criteria are met.

PBE IPSAS 41.57 Derivatives are initially measured at fair value. Subsequent to initial recognition, derivatives are measured at fair value, and changes therein are generally recognised in surplus or deficit.

PBE IPSAS 41.129(a)-(c) At inception of designated hedging relationships, the Group documents the risk management objective and strategy for undertaking the hedge. The Group also documents the economic relationship between the hedged item and the hedging instrument, including whether the changes in cash flows of the hedged item and hedging instrument are expected to offset each other.

Hedges directly affected by interest rate benchmark reform

PBE IPSAS 41.155.6 The Group has adopted the Phase 2 amendments and retrospectively applied them from 1 April 2021 (see [Note 6](#)).

PBE IPSAS 41.155.4-5 When the basis for determining the contractual cash flows of the hedged item or hedging instrument changes as a result of IBOR reform and therefore there is no longer uncertainty arising about the cash flows of the hedged item or the hedging instrument, the Group amends the hedge documentation of that hedging relationship to reflect the change(s) required by IBOR reform (as defined in [Note 28](#)). For this purpose, the hedge designation is amended only to make one or more of the following changes:

- designating an alternative benchmark as the hedged risk;
- updating the description of the hedged item, including the description of the designated portion of the cash flows or fair value being hedged; or
- updating the description of the hedging instrument.

PBE IPSAS 41.155.14-15 The Group amends the description of the hedging instrument only if the following conditions are met:

- it makes a change required by IBOR reform by changing the basis for determining the contractual cash flows of the hedging instrument or using another approach that is economically equivalent to changing the basis for determining the contractual cash flows of the original hedging instrument; and
- the original hedging instrument is not derecognised.

The Group amends the formal hedge documentation by the end of the reporting period during which a change required by IBOR reform is made to the hedged risk, hedged item or hedging instrument. These amendments in the formal hedge documentation do not constitute the discontinuation of the hedging relationship or the designation of a new hedging relationship.

If changes are made in addition to those changes required by IBOR reform described above, then the Group first considers whether those additional changes result in the discontinuation of the hedge accounting relationship. If the additional changes do not result in the discontinuation of the hedge accounting relationship, then the Group amends the formal hedge documentation for changes required by IBOR reform as mentioned above.

When the interest rate benchmark on which the hedged future cash flows had been based is changed as required by IBOR reform, for the purpose of determining whether the hedged future cash flows are expected to occur, the Group deems that the hedging reserve recognised in OCI for that hedging

relationship is based on the alternative benchmark rate on which the hedged future cash flows will be based.

Cash flow hedges

PBE IPSAS 41.140,
145

When a derivative is designated as a cash flow hedging instrument, the effective portion of changes in the fair value of the derivative is recognised in OCRE and accumulated in the hedging reserve. The effective portion of changes in the fair value of the derivative that is recognised in OCRE is limited to the cumulative change in fair value of the hedged item, determined on a present value basis, from inception of the hedge. Any ineffective portion of changes in the fair value of the derivative is recognised immediately in surplus or deficit.

The Group designates only the change in fair value of the spot element of forward exchange contracts as the hedging instrument in cash flow hedging relationships. The change in fair value of the forward element of forward exchange contracts ('forward points') is separately accounted for as a cost of hedging and recognised in a costs of hedging reserve within equity.

When the hedged forecast transaction subsequently results in the recognition of a non-financial item such as inventory, the amount accumulated in the hedging reserve and the cost of hedging reserve is included directly in the initial cost of the non-financial item when it is recognised.

For all other hedged forecast transactions, the amount accumulated in the hedging reserve and the cost of hedging reserve is reclassified to surplus or deficit in the same period or periods during which the hedged expected future cash flows affect surplus or deficit.

PBE IPSAS 41.135-
136, 141

If the hedge no longer meets the criteria for hedge accounting or the hedging instrument is sold, expires, is terminated or is exercised, then hedge accounting is discontinued prospectively. When hedge accounting for cash flow hedges is discontinued, the amount that has been accumulated in the hedging reserve remains in equity until, for a hedge of a transaction resulting in the recognition of a non-financial item, it is included in the non-financial item's cost on its initial recognition or, for other cash flow hedges, it is reclassified to surplus or deficit in the same period or periods as the hedged expected future cash flows affect surplus or deficit.

If the hedged future cash flows are no longer expected to occur, then the amounts that have been accumulated in the hedging reserve and the cost of hedging reserve are immediately reclassified to surplus or deficit.

Net investment hedges

PBE IPSAS 41.142-
143

When a derivative instrument or a non-derivative financial liability is designated as the hedging instrument in a hedge of a net investment in a foreign operation, the effective portion of, for a derivative, changes in the fair value of the hedging instrument or, for a non-derivative, foreign exchange gains and losses is recognised in OCRE and presented in the translation reserve within equity. Any ineffective portion of the changes in the fair value of the derivative or foreign exchange gains and losses on the non-derivative is recognised immediately in surplus or deficit. The amount recognised in OCRE is reclassified to surplus or deficit as a reclassification adjustment on disposal of the foreign operation.

29. Acquisition of subsidiary

See accounting policies in [Notes 6\(A\) \(i\) – \(iii\)](#).

PBE IPSAS 40.120(a)-(c) On 30 June 2021, the Group acquired 65% of the shares and voting interest in Papyrus. As a result, the Group's equity interest in Papyrus increased from 25 to 90%, obtaining control of Papyrus (see [Note 21\(B\)](#)).

PBE IPSAS 40.120(d) Taking control of Papyrus will enable the Group to modernise its production process through access to Papyrus's patented technology. The acquisition is also expected to provide the Group with an increased share of the standard paper market through access to Papyrus's customer base. The Group also expects to reduce costs through economies of scale.

PBE IPSAS 40.120(r) For the nine months ended 31 March 2021, Papyrus contributed revenue of \$20,409 thousand and profit of \$425 thousand to the Group's results. If the acquisition had occurred on 1 April 2021, management estimates that consolidated revenue would have been \$107,091 thousand, and consolidated profit for the year would have been \$8,128 thousand. In determining these amounts, management has assumed that the fair value adjustments, determined provisionally, that arose on the date of acquisition would have been the same if the acquisition had occurred on 1 April 2021.

PBE IPSAS 40.120(f) **A. Consideration transferred**

The following table summarises the acquisition date fair value of each major class on consideration transferred.

	<i>In thousands of NZD</i>	<i>Note</i>
<i>PBE IPSAS 40.120(f)(i)</i> <i>PBE IPSAS 2.50(a)</i> Cash	2,707	
<i>PBE IPSAS 40.120(f)(iii)</i> Contingent consideration	250	27(C)(iii) , 29(A)(i)
Settlement of pre-existing relationship	(326)	9(C)
Total consideration transferred	2,631	

i. Contingent consideration

PBE IPSAS 40.120(g), 124(b) The Group has agreed to pay the selling shareholders in three years' time additional consideration of \$600 thousand if the acquiree's cumulative EBITDA over the next three years exceeds \$10,000 thousand. The Group has included \$250 thousand as contingent consideration related to the additional consideration, which represents its fair value at the date of acquisition. At 31 March 2022, the contingent consideration had increased to \$270 thousand (see [Note 24](#)).

ii. Settlement of pre-existing relationship

PBE IPSAS 40.120(l) The Group and Papyrus were parties to a long-term supply contract under which Papyrus supplied the Group with timber products at a fixed price. Under the contract, the Group could terminate the agreement early by paying Papyrus \$326 thousand. This pre-existing relationship was effectively terminated when the group acquired Papyrus.

The Group has attributed \$326 thousand of the consideration transferred to the extinguishment of the supply contract and has included the amount in 'other expenses' (see [Note 9\(C\)](#)). This amount is the lower of the termination amount and the value of the off-market element of the contract. The fair value of the contract at the date of acquisition was \$600 thousand, of which \$400 thousand related to the unfavourable aspect of the contract to the Group relative to market prices.

B. Acquisition-related costs

PBE IPSAS 40.120(l), 120(m) The Group incurred acquisition-related costs of \$50 thousand on legal fees and due diligence costs. These costs have been included in 'administrative expenses'.

C. Identifiable assets acquired and liabilities assumed

PBE IPSAS 40.120(ii)
PBE IPSAS 2.50(c) The following table summarises the recognised amounts of assets acquired and liabilities assumed at the date of acquisition.

<i>In thousands of NZD</i>		<i>Note</i>	
PBE IPSAS 40.120(f)(ii)	Property, plant and equipment	18 (A)	1,955
PBE IPSAS 40.120(f)(ii)	Intangible assets	19 (D)	250
PBE IPSAS 40.120(f)(ii)	Inventories		825
PBE IPSAS 40.120(h)(i)	Trade receivables		848
PBE IPSAS 2.50(c)	Cash and cash equivalents		375
PBE IPSAS 40.120(f)(iii)	Loans and borrowings		(500)
PBE IPSAS 40.120(f)(iii)	Deferred tax liabilities		(79)
PBE IPSAS 40.120(f)(iii)	Contingent liabilities	27	(20)
PBE IPSAS 40.120(f)(iii)	Site restoration provision	27(C)(iii)	(150)
PBE IPSAS 40.120(f)(iii)	Trade and other payables		(460)
Total identifiable net assets acquired			3,044

PBE IPSAS 40.123 *i. Measurement of values*

The valuation techniques used for measuring the fair value of material assets acquired were as follows.

Assets acquired	Valuation technique
Property, plant and equipment	<i>Market comparison technique and cost technique:</i> The valuation model considers quoted market prices for similar items when they are available, and depreciated replacement cost when appropriate. Depreciated replacement cost reflects adjustments for physical deterioration as well as functional and economic obsolescence.
Intangible assets	<i>Relief-from-royalty method and multi-period excess earnings method:</i> The relief-from-royalty method considers the discounted estimated royalty payments that are expected to be avoided as a result of the patents or trademarks being owned. The multi-period excess earning method considers the present value of net cash flows expected to be generated by customer relationships, by excluding any cash flows related to contributory assets.
Inventories	<i>Market comparison technique:</i> The fair value is determined based on the estimated selling price in the ordinary course of business less the estimated costs of completion and sale, and a reasonable profit margin based on the effort required to complete and sell the inventories.

PBE IPSAS 40.120(h)(iii)-
(iii) The trade receivables comprise gross contractual amounts due of \$900 thousand, of which \$52 thousand was expected to be uncollectible at the date of acquisition.

Fair value measured on a provisional basis

PBE IPSAS 40.124(a),
PBE IPSAS 1.140 The following amounts have been measured on a provisional basis.

- The fair value of Papyrus's intangible assets (patented technology and customer relationships) has been measured provisionally, pending completion of an independent valuation.
- Papyrus's contingent liability relates to a claim for contractual penalties made by one of Papyrus's customers. Although the Group acknowledges responsibility, it disputes the amount claimed by the customer of \$100 thousand. The claim is expected to go to arbitration in April 2021. The recognised fair value of \$20 thousand is based on the Group's interpretation of the underlying contract, taking into account the range of possible outcomes of the arbitration process, and is supported by independent legal advice.
- Papyrus's operations are subject to specific environmental regulations. The Group has conducted a preliminary assessment of site restoration provisions arising from these regulations and has recognised a provisional amount. The Group will continue to review these matters during the measurement period.

PBE IPSAS 40.120(j),
124(c)
PBE IPSAS 19.100

If the new information obtained within one year of the date of acquisition about facts and circumstances that existed at the date of acquisition identifies adjustments to the above amounts, or any additional provisions that existed at the date of acquisition, then the accounting for the acquisition will be revised.

D. Goodwill

Goodwill arising from the acquisition has been recognised as follows.

	<i>In thousands of NZD</i>	<i>Note</i>	
	Consideration transferred	29(A)	2,631
PBE IPSAS 40.120(p)(i), 120(q)(ii)	Non-controlling interest, based on their proportionate interest in the recognised amounts of the asset and liabilities of Papyrus		304
PBE IPSAS 40.120(q)(i)	Fair value of pre-existing interest in Papyrus		650
	Fair value of identifiable net assets	29(C)	(3,044)
	Goodwill	19(A)	541
PBE IPSAS 40.120(q)(ii)	The re-measurement to fair value of the Group's existing 25% interest in Papyrus resulted in a gain \$250 thousand (\$650 thousand less the \$420 thousand carrying amount of the equity-accounted investee at the date of acquisition plus \$20 thousand of the translation reserve reclassified to surplus or deficit). This amount has been included in 'finance income' (see Note 10).		
PBE IPSAS 40.120(e), 120(k)	The goodwill is attributable mainly to the skills and technical talent of Papyrus's work force and the synergies expected to be achieved from integrating the Entity into the Group's existing standard Papers business.		

30. Amalgamation with subsidiary

See accounting policies in [Notes 6\(A\)\(ii-iii\)](#).

PBE IPSAS 40.54(a)-(c)
PBE IPSAS 40.53

On 30 June 2021, the Group obtained control over the operations of Woodland Repopulation Incorporated ("WRI") as a result of an amalgamation. The combination was directed by the Climate Change Regulator and the resulting amalgamation was mutually agreed by both parties. The amalgamation aims to reduce on-going operational costs through leveraging economies of scale and aims to provide improved research into the development and use of forestry in New Zealand to work towards New Zealand achieving Net Zero carbon emissions by 2035.

PBE IPSAS 40.20.1,
AG50.1
PBE FRS 47.10-23

Prior to the amalgamation WRI had not previously applied PBE accounting standards as they were a not-for-profit PBE entity that was not statutorily required to report under NZ GAAP. The opening statement of financial position presented below discloses the financial position of WRI as at the amalgamation date of 30 June 2021 in accordance with the requirements of PBE FRS 47 *First-time Adoption of PBE Standards*.

PBE IPSAS 40-
AG50.1(a)

A. WRI Statement of Financial Position¹

The following table summarises the statement of financial position for WRI as at 30 June 2021.

<i>In thousands of NZD</i>	<i>Note</i>	Pre PBE IPSAS Position	PBE IPSAS Adjustments	Amalgamation Position
Assets as at 30 June 2021				
Financial Assets		25	-	25
Inventory		15	-	15
Property, Plant and Equipment	18A	850	-	850
Intangible Assets	19A	10	-	10
Total Assets		900	-	900
Liabilities as at 30 June 2021				
Financial Liabilities		(350)	250	(100)
Total Liabilities		(350)	250	(100)
Net Assets as at 30 June 2021		550	250	(800)
Net Assets as at 30 June 2021				
Revaluation Surplus		-	-	-
Accumulated comprehensive revenue and expense		(550)	(250)	(800)
Total Net Assets		(550)	(250)	(800)

¹ PBE entities are required to present either Section A or Section B. This is dependent upon whether or not all entities within the amalgamation previously applied PBE Standards.

PBE FRS 47.31
PBE FRS 47.C21

PBE IPSAS *Revenue from Non-Exchange Transactions* 23 prescribes the financial reporting requirements for revenue arising from non-exchange transactions. WRI's accounting for grant revenue was affected by the application of PBE FRS 47 as part of the amalgamation. WRI previously recognised grants received in relation to the provision of a service or specific project as revenue on a percentage of completion basis.

PBE IPSAS 23 requires non-exchange revenue, such as grants, to be recognised as revenue as soon as the inflow of resources can be recognised as an asset in the financial statements, unless the inflow of resources meets the definition of and recognition criteria for a liability.

In the previous financial year cash was received from the Government to support the development of a carbon sink to help offset current carbon emissions. A total of \$250 thousand was received, this was recognised as deferred revenue as the project had not yet commenced. Although the grant specified that the funding must be used for a carbon sink there were no stipulations that included a return obligation.

Therefore, when initially applying PBE IPSAS 23 this receipt must be recognised as revenue upon receipt, the adjustment detailed above has been processed as a consequence of this.

B. Amounts recognised for each major class of assets and liabilities transferred as at 30 June 2021¹

PBE IPSAS
40.51(a), 54(d)

The following table summarises the statement of financial position for WRI as at the amalgamation date.

<i>In thousands of NZD</i>	<i>Note</i>	30 June 2021
Financial assets		25
Inventory		15
Property, plant and equipment	18A	850
Intangible assets	19A	10
Financial liabilities		(100)
Total net assets		(800)

PBE IPSAS 40.54(e)

The following adjustments have been made to the carrying amounts of assets and liabilities recorded by NZFTE and WRI as at 30 June 2021 prior to the amalgamation:

<i>In thousands of NZD</i>	Original Amount	Adjustment	Revised Amount
PBE IPSAS 40.54(e)(i) Restatement of financial assets recorded by NZFTE to eliminate transactions with WRI	30	(5)	25
PBE IPSAS 40.54(e)(i) Restatement of financial liabilities recorded by WRI to eliminate transactions with NZFTE	(105)	5	(100)
Total net assets	(75)	-	(75)

PBE IPSAS 40.55

At the amalgamation date of 30 June 2021 WRI owed NZFTE \$5 thousand for consultation services provided. This amount has been eliminated as part of the consolidation process on amalgamation.

PBE IPSAS
40.56(a)

The accounting for the amalgamation was complete for all assets and liabilities at the amalgamation date.

PBE IPSAS
40.56(b)

No tax amounts were forgiven as part of the amalgamation.

PBE IPSAS
40.54(f)

C. Amounts recognised in Net Assets/Equity as at 30 June 2021

<i>In thousands of NZD</i>	NZFTE	WRI	Adjustment	Revised Amount
Contributed Capital	(18,137)	-	-	(18,137)
Reserves	(1,550)	-	-	(1,550)
Accumulated comprehensive revenue and expense	(19,960)	(800)	-	(20,760)
Non controlling interest	(3,835)	-	-	(3,825)
Total net assets/equity	(43,472)	(800)	-	(44,272)

PBE IPSAS
40.54(h)

At the time these financial statements were authorised for issue, the last reporting date for NZFTE and WRI was 31 March 2021. The revenue and expense, and surplus or deficit for NZFTE and WRI from 1 April 2021 to the amalgamation date (30 June 2021), and the amounts reported by NZFTE and WRI for each major class of assets and liabilities, and for components of net assets/equity, is shown as follows:

	<i>In thousands of NZD</i>	NZFTER	WRI
<i>PBE IPSAS 40-54(h)(i)</i>	Revenue		
	Revenue from exchange transactions	23,658	275
	Revenue from non-exchange transactions	2,107	15
	Other Income	196	3
	Finance Income	283	4
	Total revenue	26,243	297
<i>PBE IPSAS 40-54(h)(i)</i>	Expenses		
	Cost of sales	(13,887)	(75)
	Grant expenditure	(1,750)	(100)
	Selling and distribution expenses	(4,478)	(25)
	Administrative expenses	(4,090)	(30)
	Other expenses	(843)	(45)
	Total expenses	(25,048)	(275)
<i>PBE IPSAS 40-54(h)(i)</i>	Surplus or (deficit) for the period 1 April 2021 to 30 June 2021	913	22
	<i>In thousands of NZD</i>	NZFTER	WRI
<i>PBE IPSAS 40-54(h)(ii)</i>	Assets as at 30 June 2021		
	Financial assets	37,050	25
	Inventory	13,115	15
	Property, plant and equipment	28,586	850
	Intangible assets	6,726	10
	Other assets	27,430	-
	Total Assets	112,907	900
<i>PBE IPSAS 40-54(h)(ii)</i>	Liabilities as at 30 June 2021		
	Financial liabilities	(61,555)	(100)
	Other liabilities	(7,880)	-
	Total Liabilities	(69,435)	(100)
<i>PBE IPSAS 40-54(h)(iii)</i>	Net Assets as at 30 June 2021	43,472	800
	Net Assets/Equity as at 30 June 2021		
	Contributed capital	(18,137)	-
	Reserves	(1,550)	-
	Accumulated comprehensive revenue and expense	(19,960)	(800)
	Non Controlling Interest	(3,825)	-
	Total Net Assets/Equity as at 30 June 2021	(43,472)	(800)

31. Acquisition of Non-controlling Interest

See accounting policies in [Notes 6\(A\)\(ii-iii\)](#).

PBE IPSAS 38.17(b)(iii),
25

In September 2021, the Group acquired an additional 15% interest in Swissolote for \$200 thousand in cash, increasing its ownership from 60% to 75%. The carrying amount of Swissolote's net assets in the Group's financial statements on the date of the acquisition was \$767 thousand.

In thousands of NZD

Carrying amount of non-controlling interest acquired (\$767 x 15%)	115
Consideration paid to non-controlling interest	(200)
A decrease in the equity attributable to owners of the group	(85)

The decrease in equity attributable to the owners of the Group comprised:

- a decrease in accumulated comprehensive revenue and expense of \$93 thousand; and
- an increase in the translation reserve of \$8 thousand.

32. Loan covenant waiver

PBE IPSAS 30.23 As explained in [Note 23 \(B\)](#), the Group exceeded its maximum leverage threshold (loan covenant ratio, calculated as debt to quarterly revenue for continuing operations) associated with a bank loan in the third quarter of 2022 reporting period. The Group obtained a waiver of the breach of covenant in January 2022 for a period of 18 months. Subsequent to 31 March 2022, the bank revised the loan covenant ratio from 2.5 to 3.5 times. On the basis of the new covenant and its forecasts, management believes that the risk of the new covenant being breached is low and that the Group will continue as a going concern for the foreseeable future.

33. Operating leases

PBE IPSAS 13.44(c) A. Leases as lessee

The Group leases a number of warehouse and factory facilities under operating leases. The leases typically run for a period of 10 years, with an option to renew the lease after that date. Lease payments are renegotiated every five years to reflect market rentals. Some leases provide for additional rent payments that are based on changes in local price indices. For certain operating leases, the Group is restricted from entering into any sub-lease arrangements.

PBE IPSAS 1.137
PBE IPSAS 13.20A The warehouse and factory leases were entered into many years ago as combined leases of land and buildings. The Group determined that the land and building elements of the warehouse and factory leases are operating leases. The rent paid to the landlord is adjusted to market rentals at regular intervals, and the Group does not have an interest in the residual value of the land and buildings. As a result, it was determined that substantially all of the risks and rewards of the land and buildings are with the landlord.

PBE IPSAS 13.44(b) One of the leased properties has been sub-let by the Group. The lease and sub-lease expire in 2022. Sub-lease payments of \$50 thousand are expected to be received during 2022. The Group has recognised a provision of \$160 thousand in respect of this lease (see [Note 27\(D\)](#)).

PBE IPSAS 13.44(a) i. Future minimum lease payments

At 31 March, the future minimum lease payments under non-cancellable leases were receivable as follows.

<i>In thousands of NZD</i>	2022	2021
Less than one year	417	435
Between one and five years	419	486
More than five years	1,764	1,805
	2,600	2,726

PBE IPSAS 13.44(c) ii. Amounts recognised in surplus or deficit

<i>In thousands of NZD</i>	Note	2022	2021
Lease expense	9(D)	435	447
Contingent rent expense	9(D)	40	30
Sub-lease income	9(A)	(150)	(90)

PBE IPSAS 13 RDR 44.1 A Tier 2 entity is not required to disclose separate amounts for minimum lease payments, contingent rents and sublease payments in accordance with paragraph 44(c).

PBE IPSAS 13.69 B. Leases as lessor

PBE IPSAS 13.69(c) The group leases out its investment properties (see [Note 20](#)).

PBE IPSAS 13.69(a) i. Future minimum lease payments

At 31 March, the future minimum lease payments are under non-cancellable leases are receivable as follows.

<i>In thousands of NZD</i>	2022	2021
Less than one year	332	290
Between one and five years	1,470	1,360
More than five years	445	320
	2,247	1,970

PBE IPSAS 13 RDR 69.1 A Tier 2 entity is not required to disclose future minimum lease payments under non-cancellable operating leases in the aggregate in accordance with paragraph 69(a).

PBE IPSAS 16.86(f)(i)-
(iii)

ii. Amounts recognised in surplus or deficit

During 2021, investment property rentals of \$310 thousand (2021: \$212 thousand) were included in 'revenue' (see [Note 8](#)). Maintenance expense, included in 'cost of sales' (See [Note 9](#)) was as follows:

<i>In thousands of NZD</i>	2022	2021
Income-generating property	45	30
Vacant property	20	15
	65	45

Accounting Policy

[Include a description of the Group's leasing arrangements and the judgements applied in classifying these as finance or operating leases. E.g. The Group owns land leased out to tenants underground leases and developed properties leased out to commercial tenants. Both ground leases and developed property leases are classified as operating leases, on the basis that the leases do not transfer substantially all of the risks and rewards incidental to ownership to the lessee, with the primary risk and reward considered to be capital gain or loss on the property.]

(i) Determining whether an arrangement contains a lease

At inception of an arrangement, the Group determines whether the arrangement is or contains a lease.

PBE IPSAS 13
Appendix(C) 6, 10,
12-15

At inception or on reassessment of an arrangement that contains a lease, the Group separates payments and other consideration required by the arrangement into those for the lease and those for other elements on the basis of their relative fair values. If the Group concludes for a finance lease that it is impracticable to separate the payments reliably that an asset and a liability are recognised at an amount equal to the fair value of the underlying asset; subsequently, the liability is reduced as payments are made and an imputed finance cost on the liability is recognised using the Group's incremental borrowing rate.

(ii) Leased assets

PBE IPSAS 13.13,28,36

Leases of property, plant and equipment that transfer to the Group substantially all of the risks and rewards of ownership are classified as finance leases. The leased assets are measured initially at an amount equal to the lower of their fair value and the present value of the minimum lease payments. Subsequent to initial recognition, the assets are account for in accordance with the accounting policy applicable to that asset.

(iii) Lease payments

PBE IPSAS 13.42,A3

Payments made under operating leases are recognised in surplus or deficit on a straight-line basis over the term of the lease. Lease incentives received are recognised as an integral part of the total lease expense, over the term of the lease.

Some leases provide for periodic fixed rent increases. Where the rent increase is based on fixed dollar amount or percentage increase, the contractual increase is reflected in the determination of the lease income and recognised on a straight-line basis over the lease term. Where the contractual increase is based on movements in the consumer price index this is accounted for as contingent rent and recognised as income in the period the increase occurs.

PBE IPSAS 13.50

Initial direct costs incurred in negotiating an operating lease are added to the carrying amount of the leased asset and recognised as expense on a straight-line basis over the lease term. Incentives granted to lessees in negotiating a new or renewed lease are recognised as a reduction of rental income straight-line over the lease term.

PBE IPSAS 13.34

Minimum lease payments made under finance leases are apportioned between the finance expense and the reduction of the outstanding liability. The finance expense is allocated to each period during the lease term so as to produce a constant periodic rate of interest on the remaining balance of the liability.

34. Commitments

PBE IPSAS 17.89(c) During the 2022 reporting period, the Group entered into a contract to purchase property, plant and equipment and patents and trademarks in 2022 for \$1,465 thousand (2021: nil) and \$455 thousand (2021: nil) respectively.

The Group is committed to incur other capital expenditure of \$150 thousand (2021: \$45 thousand). The Group's joint venture is committed to incur capital expenditure of \$23 thousand (2021: \$11 thousand), of which the Group's share is \$9 thousand (2021: \$4 thousand). These commitments are expected to be settled in 2022.

PBE IPSAS 16.86(h) The Group has entered into contracts for the management and maintenance of certain commercial properties that are leased to third parties. These contracts will give rise to annual expense of \$15 thousand for the next five years.

The Group is currently considering applications for research grants for the 2022 and 2021 years but has not yet entered into commitments of grants

35. Equity and Reserves

A. Contributed Equity

PBE IPSAS 1.95(a) The Group has contributed equity due to a grant from Mr Brown including forestry lands, forests at different stages of maturity and monetary funds, to research how the forestry and timber industry in New Zealand could ensure the production of high quality timber for the construction industry but without damaging the environment both ecologically and aesthetically. Mr Brown required the Group to operate as a Not-for-Profit entity, sharing research to benefit agriculture and farming on a global scale.

B. Reserves

Translation Reserve

The translation reserve comprises all foreign currency differences arising from the translation of the financial statements of foreign operations, as well as the effective portion of any foreign currency differences arising from hedges of a net investment in a foreign operation.

Hedging Reserve

The hedging reserve comprises the effective portion of the cumulative net change in the fair value of hedging instrument used in cash flow hedges pending subsequent recognition in surplus or deficit as the hedged cash flows or items affect surplus or deficit.

Cost of hedging reserve

The cost of hedging reserve reflects gain or loss on the portion excluded from the designated hedging instrument that relates to the forward element of forward contracts. It is initially recognised in OCRE and accounted for similarly to gains or losses in the hedging reserve.

Fair value reserve

The fair value reserve comprises:

- the cumulative net change in the fair value of equity securities designated at FVOCRE; and
- the cumulative net change in fair value of debt securities at FVOCRE until the assets are derecognised or reclassified. This amount is reduced by the amount of loss allowance.

Revaluation reserve

The revaluation reserve relates to the revaluation of property, plant and equipment immediately before its reclassification as investment property.

C. Capital management

PBE IPSAS 1.148A and 148B The Group's capital is its Equity, which comprises contributed capital, accumulated comprehensive revenue and expense and the various reserves listed above. Equity is represented by net assets.

The Group manages its Equity prudently as part of the process of effectively managing its revenues, expenditure, assets, liabilities and all related financial affairs. In order to ensure that the Group achieves all its research, production, environmental and charitable objectives and purpose, the Group has a Board of Directors that actively controls and monitors progress of plans and activities against financial and social key performance indicators.

The Group is not currently subject to any externally imposed capital requirements.

D. OCRE accumulated in reserves

		Translation reserve	Cost of hedging reserve	Hedging reserve	Fair value reserve	Revaluation reserve	Accumulated comprehensive revenue and expense	Total	Non- controlling Interest	Total equity
<i>PBE IPSAS 1.119(b-c)</i>	<i>In thousands of NZD</i>									
	2022									
<i>PBE IPSAS 17.92(e)</i>	Revaluation of property, plant and equipment	-	-	-	-	200	-	200	-	200
<i>PBE IPSAS 30.24(a)(vii)</i>	Equity investments at FVOCRE – net change in fair value	-	-	-	141	-	-	141	-	141
<i>PBE IPSAS 1.103.1(b)</i>	Equity-accounted investees – share of OCRE Foreign operations – foreign currency	-	-	-	-	-	(80)	(80)	-	(80)
<i>PBE IPSAS 4.61(b)</i>	translation differences	653	-	-	-	-	-	653	3	656
<i>PBE IPSAS 4.61(b)</i>	Net investment hedge – net loss	(3)	-	-	-	-	-	(3)	-	(3)
<i>PBE IPSAS 1.103.1(b)</i>	Equity-accounted investees – share of OCRE Reclassification of foreign currency differences on loss of significant influence	(172)	-	-	-	-	-	(172)	-	(172)
<i>PBE IPSAS 4.61(b)</i>	Cash flow hedges – effective portion of changes in fair value	(20)	-	-	-	-	-	(20)	-	(20)
<i>PBE IPSAS 30.27(c)</i>	Cash flow hedges – reclassified to surplus or deficit	-	-	(62)	-	-	-	(62)	-	(62)
<i>PBE IPSAS 30.27(c)</i>	Cost of hedging reserve – changes in fair value	-	34	-	-	-	-	34	-	34
<i>PBE IPSAS 1.103.1</i>	Cost of hedging reserve – reclassified to surplus and deficit	-	8	-	-	-	-	8	-	8
<i>PBE IPSAS 1.103.4</i>	Debt investments at FVOCRE - net change in fair value	-	-	-	59	-	-	59	-	59
<i>PBE IPSAS 30.24(a)(viii)</i>	Debt investments at FVOCRE – reclassified to surplus and deficit	-	-	-	(64)	-	-	(64)	-	(64)
<i>PBE IPSAS 30.24(a)(viii)</i>										
	Total	458	42	(92)	136	200	(80)	664	3	667

		Translation reserve	Cost of hedging reserve	Hedging reserve	Fair value reserve	Revaluation reserve	Accumulated comprehensive revenue and expense	Total	Non- controlling Interest	Total equity
<i>PBE IPSAS 1.119(b-c)</i>	<i>In thousands of NZD</i>									
	2021									
	Equity investments at FVOCRE – net change in fair value	-	-	-	68	-	-	68	-	68
<i>PBE IPSAS 30.24(a)(vii)</i>										
<i>PBE IPSAS 1.103.1(b)</i>	Equity-accounted investees – share of OCRE	-	-	-	-	-	(3)	(3)	-	(3)
	Foreign operations – foreign currency translation differences	449	-	-	-	-	-	449	22	471
<i>PBE IPSAS 4.61(b)</i>										
<i>PBE IPSAS 4.61(b)</i>	Net investment hedge – net loss	(8)	-	-	-	-	-	(8)	-	(8)
<i>PBE IPSAS 1.103.1(b)</i>	Equity-accounted investees – share of OCRE	(166)	-	-	-	-	-	(166)	-	(166)
	Cash flow hedges – effective portion of changes in fair value	-	-	95	-	-	-	95	-	95
<i>PBE IPSAS 30.27(c)</i>										
<i>PBE IPSAS 30.27(c)</i>	Cash flow hedges – reclassified to surplus or deficit	-	-	(11)	-	-	-	(11)	-	(11)
<i>PBE IPSAS 1.103.1</i>	Cost of hedging reserve – changes in fair value	-	10	-	-	-	-	10	-	10
	Cost of hedging reserve – reclassified to surplus and deficit	-	2	-	-	-	-	2	-	2
<i>PBE IPSAS 1.103.4</i>										
<i>PBE IPSAS 30.24(a)(viii)</i>	Debt investments at FVOCRE - net change in fair value	-	-	-	50	-	-	50	-	50
<i>PBE IPSAS 30.24(a)(viii)</i>	Debt investments at FVOCRE – reclassified to surplus and deficit	-	-	-	-	-	-	-	-	-
	Total	276	12	84	118	-	(3)	486	22	508

36. Reconciliation of Surplus with net cash from operating activities

<i>PBE IPSAS 1.21(d), 126 PBE IPSAS 2.18, 29, 31</i>	<i>In thousands of NZD</i>	Note	2022 Actual	2021 Actual
<i>PBE IPSAS 2.18</i>	Cash flows from operating activities			
	Surplus for the year		5,863	5,794
<i>PBE IPSAS 2.27(b)</i>	Adjustments for:			-
	- Depreciation	18A	5,001	5,122
	- Amortisation	18A	785	795
	- (Reversal of) impairment losses on property, plant and equipment	18A	(393)	1,123
	- Impairment losses on intangible assets and goodwill		16	285
	- Impairment loss on re measurement of disposal group		35	-
	- Change in fair value of biological assets	12	(587)	(28)
	- Increase in fair value of investment property		(20)	(60)
	- Impairment loss on trade receivables		150	30
	Impact of concessionary loan		173	-
	Impairment P,P & E			
	Net finance costs		546	1,166
	Share of profit of equity-accounted investees, net of tax		(1,141)	(587)
	- Gain on sale of property, plant and equipment		(26)	(16)
	- Gain on sale of discontinued operation, net of tax		(846)	-
			9,556	13,624
	Changes in:			
	Inventories		516	(532)
	Trade and other receivables		(8,350)	(5,614)
	Non exchange receivables		(1,500)	500
	Prepayments		870	(305)
	Trade and other payables		1,862	(7,430)
	Provisions and employee benefits		(130)	660
	Intangible assets (emissions certificates)		(5)	20
	Deferred income/revenue		(24)	1,470
	Cash generated from operating activities		2,795	2,393
<i>PBE IPSAS 2.40-41</i>	Interest paid		(1,499)	(1,366)
<i>PBE IPSAS 2.18</i>	Net cash from operating activities		1,296	1,027

38. Related parties

A. Parent and ultimate controlling party

PBE IPSAS 1.150(c), (d)
PBE IPSAS 20.25

New Zealand Forest and Timber Environmental Research Inc. was set up as an Incorporated Society with a grant from Mr Brown including forestry lands, forests at different stages of maturity and monetary funds, to research how the forestry and timber industry in New Zealand could ensure the production of high quality timber for the construction industry but without damaging the environment both ecologically and aesthetically. A separate entity, New Zealand Timber and Paper Limited, was set up as a trading arm to market the products (such as timber for construction and paper products) resulting from the harvesting of the forests and to fund continuing research. The research is controlled by the Incorporated Society and parent entity, but as investigative research has moved offshore, primarily to Europe and North America, local companies in specific countries have been acquired with the aim of utilising the annual profits of the Entity to fund research in that particular country. Research and trading is now carried out in Denmark, Germany, Romania, United Kingdom, Netherlands, Switzerland, Spain, United States and Canada. In recent years research projects have been expanded to encompass the impacts of climate change and dairy farming. There is no entity that owns New Zealand Incorporated, the charity and the Group are controlled by the Group's Board of Directors.

B. List of subsidiaries

PBE IPSAS 38.17(a),
19(a)(b)
PBE IPSAS 20.26

Subsidiary Name	Principal place of business	Ownership interest in 2022	Ownership interest in 2021
NZ Timber and Paper Ltd	New Zealand	100%	100%
Mermaid A/S	Denmark	100%	100%
Papier GmbH	Germany	100%	100%
Paper Limited	Romania	100%	100%
Paper Pabus Co	UK	100%	100%
Hemy Payo Products NV	Netherlands	100%	100%
Woodland Repopulation Incorporated ¹	New Zealand	100%	0%
Oy Kossy AG	Switzerland	90%	90%
Papyrus Pty Limited	US	90%	25%
Swissolote AG	Switzerland	75%	60%
Maple-leaf Inc	Canada	45%	45%
Silver Fir SA	Spain	48%	48%
Sloan Bio-Research Co	UK	-	-
MayCo	US	-	-

Maple-leaf Inc and Silver Fir SA

Although the Group owns less than half of Maple-leaf Inc and Silver Fir SA and has less than half of their voting power, management has determined that the Group controls these two entities. The Group controls Maple-leaf Inc by virtue of an agreement with its other shareholders, the Group has control over Silver Fir SA, on a de facto power basis, because the remaining voting rights in the investee are widely dispersed and there is no indication that all other shareholders exercise their votes collectively.

Sloan Bio-Research Co and MayCo

The Group does not hold any ownership interests in two structured entities, Sloan Bio-Research Co and MayCo. However, based on the terms of agreements under which these entities were established, the Group receives substantially all of the returns related to their operations and net assets (these entities perform research activities exclusively for the Group) and has the current ability to direct these entities' activities that most significantly affect these returns. Because the owners' interests in these entities are presented as liabilities of the Group, there are no NCI for these entities.

¹ Woodland Repopulation Incorporated was amalgamated into the Group on 30 June 2021, all operations have been absorbed into the main group. This company exists as a shell entity following the amalgamation.

C. Transactions with key management personnel

i. Key management personnel compensation

PBE IPSAS 20.34.1(a)

The Group classifies its key management personnel into the following categories:

- Directors (of the governing body)
- Executive Officers
- Operating Officers

Directors of the governing body receive an annual fee of \$15 thousand and expenses up of \$1 thousand for each meeting attended during the year. Executive officers and operating officers are employees of the Group and are on standard employment contracts.

The table below depicts the aggregate remuneration of key management personnel and the number of individuals determined on a full-time equivalent basis, receiving remuneration with the category.

In thousands of NZD	2022		2021	
	Remuneration	Number	Remuneration	Number
Directors	200	10	140	7
Executive Officers	397	5	286	4
Operating Officers	531	10	349	8
	1,128	25	775	19

Compensation of the Group's key management personnel includes salaries and non-cash benefits.

As a result of the termination of the employment of one of the Group's executives in France, the executive received an enhanced retirement entitlement. Accordingly, the Group has recognised an expense of \$25 thousand during the year (2021: nil).

PBE IPSAS 20.34.1(b)(i)

Management consulting fees totalling \$956 thousand (2021: \$217 thousand) were paid to a Director at market rates for the provision of consulting advice regarding the integration of acquisitions made during the year.

PBE IPSAS 20.34.1(b)(ii)

Eleven (2021: 5) close family members of key management personnel are employed across the Group on normal employment contracts. The total aggregate remuneration paid to close family members of key management personnel is \$218 thousand (2021: \$90 thousand)

PBE IPSAS 20.34.1 (c)

ii. Loans to key management personnel

During the 2022 reporting period, unsecured loans advanced to directors were \$85 thousand (2021: \$32 thousand). No interest is payable by directors, and the loans are repayable in cash in full 12 months after the issue date. At 31 March 2022, the balance outstanding was \$78 thousand (2021: \$32 thousand) and is included in 'trade and other receivables' (see [Note 14](#)). All loans were paid in full when due.

In thousands of NZD	Directors				Total
	Mr Brown	Mrs Black	Mr Grey	Ms Green	
Opening Balance 1 April 2020	-	-	-	-	-
Loans Advanced	9	7	10	6	32
Loans Repaid	-	-	-	-	-
Closing Balance 31 March 2021	9	7	10	6	32
Opening balance 1 April 2021	9	7	10	6	32
Loans Advanced	24	27	16	18	85
Loans Repaid	(6)	(5)	(10)	(18)	(39)
Closing Balance 31 March 2022	27	29	16	6	78

PBE IPSAS 20.34.1.

iii. Key management personnel transactions

Directors of the Entity control 12% of the voting shares of the Entity. A relative of a director of a subsidiary has a 10% share in the Group's joint venture (see [Note 21 \(A\)](#)).

A number of key management personnel, or their related parties, hold positions in other companies that result in them having control or significant influence over these companies.

A number of these companies transacted with the Group during the year. The terms and conditions of these transactions were no more favourable than those available, or which might reasonably be expected

to be available, in similar transactions with non-key management personnel related companies on an arm's length basis.

PBE IPSAS 20.34.1, 32

The aggregate value of transactions and outstanding balances related to key management personnel and entities over which they have control or significant influence were as follows.

<i>In thousands of NZD</i>	Transaction values for the year ended 31 March		Balance outstanding as at 31 March	
	2022	2021	2022	2021
Legal fees*	12	13	-	-
Repairs and maintenance**	410	520	137	351
Inventory purchases – paper***	66	-	-	-

* The Group used the legal services of one of its directors in relation to advice over the sale of certain non-current assets of the Entity. Amounts were billed based on normal market rates for such services and were due and payable under normal payment terms.

** In 2021, the Group entered into a two-year contract with On-track Limited, an entity controlled by another director, to buy repairs and maintenance services on production equipment. The total contract value is \$986 thousand. The contract terms are based on a quarterly basis for the duration of the contract.

*** The Group bought various paper supplies from Alumfab Limited, an entity that is controlled by another director. Amounts were billed based on normal market rates for such suppliers and were due and payable under normal payment terms.

From time to time directors of the Group, or their related entities, may buy goods from the Group. These purchases are on the same terms and conditions as those entered into by the other Group employees or customers.

D. Other related party transactions

<i>In thousands of NZD</i>	Transaction values for the year ended 31 March		Balance outstanding as at 31 March	
	2022	2021	2022	2021
Sale of goods and services				
Parent of the Group	350	320	253	283
Joint venture	745	250	651	126
Associates	400	150	332	233
Purchased goods				
Joint venture	1,053	875	-	-
Others				
Joint venture				
- Dividend received (see Note 21(A))	21	-	-	-
Associates				
- Loan and related interest (see Note 23)	5	6	-	1,000

PBE IPSAS 20.27.1
PBE IPSAS 20.28
PBE IPSAS 20.32

All outstanding balances with these related parties are priced on an arm's length basis and are to be settled in cash within two months of the reporting date. None of the balances are secured. No expense has been recognised in the current year or prior year for bad or doubtful debts in respect of amounts owed by related parties. During 2021 there were no transactions or outstanding balances with the parent of the group. No guarantees have been given or received.

To support the activities of the joint venture, the Group and the other investors in the joint venture have agreed to make additional contributions in proportion to their interests to make up any deficits, if required ([Note 21\(A\)](#)).

Accounting Policy

PBE IPSAS 20.25, 27.1

The Group regards a related party as a person or an entity with the ability to exert control individually or jointly, or to exercise significant influence over the Group, or vice versa. Members of key management are regarded as related parties and comprise the [e.g. directors and senior management] of the Group.

39. Subsequent events

PBE IPSAS 14.12-13, 30

A. Restructuring

PBE IPSAS 19.87

At the end of April 2022, the Group announced its intention to implement a cost-reduction programme and take further measures to reduce costs. Additionally, to enable the Group to adapt its size to current market conditions, it intends to reduce the Group's workforce by 400 positions worldwide by the end of 31 March 2023 reporting period by means of non-replacement whenever possible. The Group expects the restructuring associated with the reduction in positions to cost between \$600 thousand and \$850 thousand in 2023 and 2025.

B. Others

PBE IPSAS 14.12-13,
30, 31

Subsequent to 31 March 2022, one of the Group's major trade customers went into liquidation following a natural disaster in April 2021 that damaged its operating plant. Of the \$100 thousand owed by the customer, the Group expects to recover less than \$10 thousand. No allowance for impairment has been made in these consolidated financial statements

On 10 April 2022, one of the premises of Oy Kossy AG, having a carrying value of \$220 thousand, was seriously damaged by fire. Surveyors are in the process of accessing the extent of the loss, following which the Group will file a claim for reimbursement with the insurance Entity. The Group is unable to estimate the incremental costs relating to refurbishment and temporary shift of production to other locations (in excess of the reimbursement expected).

As reported in the interim financial statements, on 22 September 2021 the Group announced its intention to acquire all of the shares of ABC Entity for \$6,500 thousand. On 4 April 2022, the Group's shareholders approved the transaction and the Group is now awaiting approval from regulatory authorities before proceeding with the acquisition. Management anticipates that this approval will be received by July 2022.

Subsequent to 31 March 2022, the loan covenant ratio related to bank loan was revised (see [Note 32](#)).

40. Prior period error (restatement)

		Assets	Equity
			Accumulated comprehensive revenue and expense
<i>In thousands of NZD</i>		Investment properties	
	Note		
PBE IPSAS 3.47	Balances as at 31 March 2020	150	8,326
PBE IPSAS 3.54 (b)	Adjustments – Prior period error: Revaluation of investment properties*	50	50
	Restated balances as at 1 April 2020	200	8,376

PBE IPSAS 3.54 (a)

* Revaluation of investment properties in current year identified that the reported carrying amount in the prior year ended 31 March 2020 was incorrectly recorded. The financial statements of 31 March 2021 have been restated to correct this error. The effect of the restatement on the financial statements at the beginning of the comparative is summarised above. There is no effect in the financial statements for the year ended 31 March 2022.

Accounting Policy

All material prior-period errors are corrected retrospectively in the first set of financial statements authorised for issue after their discovery, by restating comparative prior-period amounts or, if the error occurred before the earliest period presented, by restating the opening balances of assets, liabilities and equity.

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