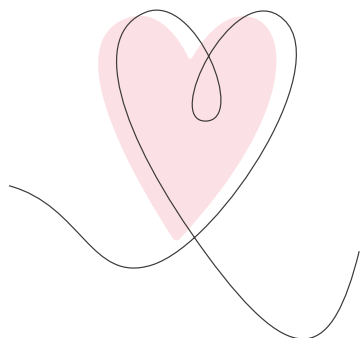




KLP BOLIGKREDITT AS

# Annual Report 2018





## **KLP Boligkreditt AS is owned by KLP through its subsidiary KLP Banken AS.**

KLP Boligkreditt AS is part of the financing structure of the KLP Banken Group, through the issue of bonds covered by mortgage sureties.

The target group for KLP Banken in the Private Market are members of the pension schemes in Kommunal Landspensjonskasse gjensidig forsikringsselskap (KLP). The Bank aims to provide products and services on competitive terms in order to help companies that have chosen KLP as a pension provider to be viewed as attractive employers.

The aim is to develop KLP Boligkreditt AS further so an increasing proportion of KLP Banken's lending for housing can be funded by the company.

# Contents

## KLP BOLIGKREDITT AS

ANNUAL REPORT 2018 .....	4
INCOME STATEMENT .....	8
BALANCE SHEET .....	9
STATEMENT OF OWNERS' EQUITY .....	10
STATEMENT OF CASH FLOWS .....	11
SECURITIES TRADING ACT, SECTION 5-5 .....	12
NOTES TO THE ACCOUNTS	
Note 1 General information .....	13
Note 2 Summary of the most important accounting principles .....	13
Note 3 Important accounting estimates and valuations .....	20
Note 4 Segment information .....	20
Note 5 Net gain/(loss) on financial instruments .....	21
Note 6 Categories of financial assets .....	21
Note 7 Fair value hierarchy .....	23
Note 8 Fixed-income securities .....	24
Note 9 Net interest income .....	24
Note 10 Lending and receivables .....	25
Note 11 Financial risk management .....	25
Note 12 Credit risk .....	25
Note 13 Market risk .....	29
Note 14 Liquidity risk .....	30
Note 15 Loan loss provision .....	32
Note 16 Salary and obligations to senior management .....	35
Note 17 Liabilities to credit institutions .....	36
Note 18 Securities liabilities - stock exchange .....	
listed covered bonds .....	37
Note 19 Overcollateralisation .....	37
Note 20 Capital adequacy .....	38
Note 21 Tax .....	39
Note 22 Other liabilities and provision for .....	
accrued costs and liabilities .....	40
Note 23 Number of FTEs and employees .....	40
Note 24 Transactions with related parties .....	41
Note 25 Auditor's fee .....	42
Note 26 Other assets .....	42
Note 27 Cash and cash equivalents and other .....	
loans and receivables from credit institutions .....	42
AUDITOR'S REPORT .....	43

# Annual report 2018

The Company made a profit before tax of NOK 8.5 million in 2018. The balance at the end of the year has increased to NOK 7.7 billion. The Company is financed largely through the issue of covered bonds. These bonds have received the highest possible rating (Aaa).

KLP Boligkreditt AS has been licensed as a mortgage lender since 2014 and is a wholly owned subsidiary of KLP Banken AS. The business is funded largely through the issue of mortgage-backed covered bonds.

KLP Banken AS is a commercial bank owned by Kommunal Landspensjonskasse gjensidig forsikringselskap (KLP) through KLP Bankholding AS. KLP Banken AS also owns all the shares in the subsidiary KLP Kommunekreditt AS.

The collective operations of KLP Banken AS and its subsidiaries are divided into the Private Market and Public Lending business areas. The business is nationwide and the companies' head office is in Trondheim.

KLP Banken's target audience in the retail market are members of the KLP's pension schemes. The Bank aims to provide products and services on competitive terms in order to help companies

that have chosen KLP as a pension provider to be viewed as attractive employers.

Figures in brackets below refer to last year's figures.

## INCOME STATEMENT

The Company made a profit before tax of NOK 8.5 (13.5) million and total comprehensive income for the was NOK 6.5 (10.2) million. This gave a return on equity of 1.9 (4.8) per cent before tax. The result reduction compared with last year was mainly due to increased operating costs and lower lending margins.

Interest income from mortgage loans in 2018 totalled NOK 148.8 (111.6) million. There was also income from bank deposits and securities amounting to NOK 2.7 (1.8) million.

Funding costs in 2018 are divided between NOK 86.4 (61.5) million in interest on covered bonds issued and

NOK 10.5 (5.4) million in interest on debt to the parent company.

Net interest income in 2018 came to NOK 54.6 (46.5) million. The main reason for the change is that a higher loan volume compensates for lower margins between lending and borrowing.

During the term of its borrowing agreements the Company makes regular adjustments to reduce its liquidity risk and meet regulatory requirements with respect to liquidity indicators and capital adequacy (Basel III and CRD IV). As part of restructuring the funding there have been buybacks of issued covered bonds. In 2018 the effect on profits of loan buybacks was NOK 0.5 million (29 thousand).

The Company's lending is managed by KLP Banken AS, and a large portion of the operating expenses is regulated in an agreement with the parent company. The management agreement provides that KLP Boligkreditt AS is charged for

## FINANCIAL PERFORMANCE IN 2018

### EARNINGS

NOK MILLIONS	2018	2017	Change
Profit before tax	8.5	13.5	-5.0
Net interest income	54.6	46.5	8.2
Operating expenses	-45.2	-33.1	-12.1
Losses on loans	-0.0	-	-0.0

### BALANCE-SHEET

NOK MILLIONS	2018	2017	Change
Mortgage loans	7.2	5.1	2.2
Total assets	7.7	5.2	2.5

its share of the parent company's costs for the management of home mortgages based on volume. Costs are settled monthly. Operating costs in excess of this are mainly direct costs incurred by the Company in connection with external assistance, such as rating, auditing, etc. In 2018, the company's total operating costs have increased by 37 percent. The lending balance increased in the same period by 43 percent.

#### LENDING

During 2018, KLP Boligkreditt AS purchased mortgage loans worth NOK 4.9 (2.2) billion from KLP Banken AS. The Company's on-balance sheet mortgages totalled NOK 7.2 (5.1) billion at the end of the year.

The portfolio of mortgages is hedged within cautious valuations in which all borrowers are assessed with respect to the solvency and payment ability before the loan is granted. The average loan per customer came to NOK 1.4 (1.2) million. All lending was at floating interest rates.

At the end of 2018, the mortgage portfolio in the company had an average loan-to-value ratio (debt as a percentage of the estimated housing value - LTV) of 49 (45) percent.

No individual losses on mortgages were recognised in 2018, and there were no contracts more than 90 days in default at the end of the year. The switch to estimated loss provisions under IFRS 9 had an effect on profits of NOK 6 thousand in 2018. See note 15.

#### BORROWING

The Company is licensed to issue bonds covered by mortgage sureties.

At the end of 2018, the company had outstanding covered bonds worth NOK 6.1 (4.3) billion. In 2018 covered bonds in the amount of NOK 2.8 (0.6) billion were issued. The remaining financing comprises equity and loans from the parent company.

At the end of 2018, the debt, in the form of covered bonds, totalled NOK 6.9 (4.3) billion. This includes own holdings of NOK 0.8 (0.6) billion. The bonds are issued with surety in the Company's portfolio of well-secured mortgage loans. All issues have received an Aaa rating.

The Company's debt to credit institutions at the close of the year comprised internal financing from KLP Banken AS in the amount of NOK 1.0 (0.5) billion.

#### BALANCE SHEET AND CAPITAL ADEQUACY

Total assets stood at NOK 7.7 (5.2) billion at the close of 2018.

The Company's subordinated capital was expanded with a private placement of NOK 120 million in June 2018. The Company's subordinated capital, based on the Board of Directors' proposal for the allocation of the year's profit, totalled NOK 505.9 (380.5) million at the close of 2018. Core capital is identical with subordinated capital. This gives a capital adequacy and core capital adequacy of 18.9 (20.3) per cent.

The current capital requirement, including capital buffers, is 12.0 per cent core capital adequacy and 15.5 per cent capital adequacy. The unweighted tier 1 capital ratio was 6.6 (7.3) per cent, against the requirement of 3.0 percent.

The risk-weighted balance came to NOK 2.6 (1.8) billion. Capital adequacy is considered good.

#### LIQUIDITY

KLP Boligkreditt AS is subject to strict rules with respect to the assets it may invest in. The portfolio of liquid investments comprises safe securities and deposits in other banks. The securities are certificates and bonds with very high credit quality, mainly covered bonds with an AAA rating. Holdings of cash and cash equivalents have been used to pay out new loans and repay borrowings.

The year-end statement of cash flow shows that the Company's liquidity situation is satisfactory. As new borrowings occur when the terms for them are considered favourable, a need sometimes arises to invest surplus liquidity. This liquidity contributes to earnings and provides the flexibility needed to meet demand for new lending.

At the end of 2018, NOK 148 (123) million of the Company's liquidity was invested in bank deposits and NOK 288 (5) million in fixed-income securities. Securities are recognised at market value. In 2018, this produced a recognised loss of NOK -0.5 (gain of 0.2) million.

#### ALLOCATION OF THE PROFIT FOR THE YEAR

KLP Boligkreditt AS's financial statements for 2018 show a total net profit of NOK 6.5 million. The Board of Directors proposes that a group contribution of NOK 12.4 million be paid to KLP. NOK 9.6 million will be received from KLP in return as a group contribution without any tax effect. Net profit and group contribution will be transferred to other owners' equity.

#### ABOUT THE FINANCIAL STATEMENTS

The Board of Directors believes that the financial statements provide a true and fair view of the Company's assets and liabilities, financial position and results. The preconditions exist for continuation as a going concern, and it is on this assumption that the financial statements have been prepared.

KLP Boligkreditt AS prepares its financial statements in accordance with international accounting standards (IFRS), as approved by the EU with associated interpretations. See Note 2 for further details.

To provide for good quality in the financial reporting, detailed plans are produced for each reporting period, with a clear allocation of responsibilities

The Board of Directors in KLP Boligkreditt AS. From the left: Aage E. Schaanning, Ingrid Aune, Marit Barosen and Sverre Thornes.



Photo: Glenn Syddal Johansen

and tasks. Valuations of the Company's assets and liabilities are documented in writing.

#### RATING

The rating agencies' assessment of KLP Boligkreditt AS and the KLP Group is important for the company's borrowing terms. The Company has engaged Moody's to credit rate the Company's bonds. All issues of covered bonds issued have been given a rating of Aaa.

#### RISK MANAGEMENT

KLP Boligkreditt AS is subject to KLP Banken's risk management framework, the purpose of which is to ensure that risks are identified, analysed and managed by means of policies, limits, routines and instructions.

It has established its own guidelines for the most important individual risks

(liquidity, credit, market, operational and compliance risk) and an overall policy for risk management, which includes principles, organisation, limits, etc. for the Bank's overall risk. The risk policies are adopted by the Board of Directors and are reviewed at least once a year. The policies are of an overarching nature and are complemented by procedures, rules, and instructions determined at the administrative level.

The Company aims to maintain a low level of operational risk, and to be characterised by a high level of professional competence, solid routines and efficient operations.

The Company is included in the KLP Banken Group's process to assess and quantify material risks and calculate its capital requirement (ICAAP).

The capital requirement assessment

is forward-looking and, in addition to calculating needs based on current exposure (and, if appropriate, limits), an assessment is made of needs in light of planned growth, determined strategic changes, etc. The Company's Board of Directors takes an active part in these assessments and, in addition to the capital requirement assessment, determines a desired level for total capital (the capital target).

The boards of KLP Banken, KLP Bankholding, KLP Kommunekreditt and KLP Boligkreditt have appointed a joint risk committee. Based on the total assets, this is not required by law. The Risk Committee deals with matters specifically related to risk issues in the KLP Banken Group companies and has an advisory function to the Board of KLP Boligkreditt AS.

## THE WORK OF THE BOARD OF DIRECTORS

The Board of Directors held seven board meetings in 2018. For an overview of the remuneration paid to members of the Company's Board and management, see Note 16. The Board comprised two women and two men at the end of the year.

## CORPORATE GOVERNANCE

The Company's articles of association and applicable legislation provide guidelines for corporate governance, and define a clear division of roles between governing bodies and day-to-day management.

The Board of Directors sets the policies for the Company's activities.

The CEO is in charge of the day-to-day management of the Company in accordance with instructions issued by the Board of Directors.

An account of KLP Banken's corporate governance is available on the KLP website; see [klp.no/om-klp](http://klp.no/om-klp).

## WORKING ENVIRONMENT AND ORGANISATION

There were no direct employees in KLP Boligkreditt AS at the end of 2018. The Company's governance and

management are handled by people employed in KLP Banken AS.

A management agreement has been entered into with KLP Banken AS with respect to administration, IT support, finance and risk management, as well as borrowing and liquidity management.

As part of the KLP Group, KLP Boligkreditt AS complies with the Group's guidelines on equality and diversity, whose objectives, initiatives and activities take account of the basis for discrimination described in the legislation.

A central working group has drawn up internal targets for equality and diversity.

## EXTERNAL ENVIRONMENT

Through its social responsibility strategy, KLP has pledged to maintain good routines for the measurement and reduction of its companies' environmental impact. Like the rest of the KLP Group, KLP Boligkreditt AS takes its environmental impact seriously. As an office-based Company, it has greatest control over energy consumption, transport, waste management and procurement. The parent company, KLP Banken AS, is environmentally certified.

## SOCIAL RESPONSIBILITY

As part of the KLP Group, KLP Boligkreditt AS aims to contribute to sustain-

able investments and responsible business operations. Social responsibility is of strategic importance for KLP. This is manifested through actions linked to the Group's business. KLP has signed the UN Global Compact, and is thereby committed to working for human rights, workers' rights and the environment, and against corruption. A more detailed descriptions of targets, measures and results can be found on the KLP website, [klp.no/samfunnsansvar](http://klp.no/samfunnsansvar) (in Norwegian, but see also [klp.no/english/corporate-responsibility](http://klp.no/english/corporate-responsibility)).

## OUTLOOK

KLP Boligkreditt AS is part of the financing structure of the KLP Banken Group, through the issue of bonds covered by mortgage sureties.

Moving forward, mortgage loans will be purchased from KLP Banken AS or KLP, and will be included in the sureties used to secure existing and new borrowing issues. The Board of Directors believes that a firm foundation has been laid to further develop the Company and that KLP Boligkreditt AS will be able to finance a growing share of KLP Banken's mortgage loans. This will help to reduce the bank group's borrowing costs. KLP Boligkreditt AS aims to be a major contributor to the financing of mortgage loans to employees of KLP's owners.

Oslo, 13 March 2019

The Board of Directors of KLP Boligkreditt AS

SVERRE THORNES  
Chair

AAGE E. SCHAANNING  
Deputy Chair

INGRID AUNE

MARIT E. BAROSEN

CHRISTOPHER A. N. STEEN  
Managing Director

# Income Statement

KLP BOLIGKREDITT AS

NOTE	NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
	Interest income, amortized cost	150 342	113 015
	Interest income at fair value	1 168	351
9	<b>Total interest income</b>	<b>151 510</b>	<b>113 366</b>
	Interest expense, amortized cost	-96 885	-66 915
9	<b>Total interest costs</b>	<b>-96 885</b>	<b>-66 915</b>
9	<b>Net interest income</b>	<b>54 625</b>	<b>46 451</b>
5	Net gain/(loss) on financial instruments	-937	148
	<b>Total net gain/(loss) on financial instruments</b>	<b>-937</b>	<b>148</b>
25	Other operating expenses	-45 168	-33 090
15	Net loan losses	-6	0
	<b>Total other operating expenses</b>	<b>-45 175</b>	<b>-33 090</b>
	<b>Operating profit/loss before tax</b>	<b>8 513</b>	<b>13 509</b>
21	Tax on ordinary income	-2 043	-3 288
	<b>Income for the year</b>	<b>6 470</b>	<b>10 220</b>
	Other comprehensive income	0	0
	<b>Other comprehensive income for the year after tax</b>	<b>0</b>	<b>0</b>
	<b>COMPREHENSIVE INCOME FOR THE YEAR</b>	<b>6 470</b>	<b>10 220</b>
	<b>ALLOCATION OF INCOME</b>		
	Allocated to/from retained earnings	-6 470	-10 220
	<b>TOTAL ALLOCATION OF INCOME</b>	<b>-6 470</b>	<b>-10 220</b>
	Total profit in % of total assets	0.08%	0.20%



# Balance Sheet

KLP BOLIGKREDITT AS

NOTE	NOK THOUSANDS	31.12.2018	31.12.2017
<b>ASSETS</b>			
6,10,27	Loans to and receivables from credit institutions	148 414	123 488
6,10	Loans to and receivables from customers	7 227 991	5 057 203
6,7,8	Fixed-income securities	288 357	5 020
21	Deferred tax assets	1 874	1 064
26	Other assets	2 391	930
<b>TOTAL ASSETS</b>		<b>7 669 027</b>	<b>5 187 705</b>
<b>LIABILITIES AND OWNERS' EQUITY</b>			
<b>LIABILITIES</b>			
6,17	Liabilities to credit institutions	1 036 913	500 345
6,18	Liabilities created on issuance of securities	6 116 113	4 298 444
22	Other liabilities	7 971	6 824
22	Provisions for accrued costs and liabilities	0	532
<b>TOTAL LIABILITIES</b>		<b>7 160 997</b>	<b>4 806 145</b>
<b>OWNERS' EQUITY</b>			
	Share capital	220 000	160 000
	Share premium	270 463	210 463
	Other owners' equity	17 567	11 097
<b>TOTAL OWNERS' EQUITY</b>		<b>508 030</b>	<b>381 560</b>
<b>TOTAL LIABILITIES AND OWNERS' EQUITY</b>		<b>7 669 027</b>	<b>5 187 705</b>

Oslo, 13 March 2019  
The Board of Directors of KLP Boligkreditt AS

SVERRE THORNES  
Chair

AAGE E. SCHAANNING  
Deputy Chair

INGRID AUNE

MARIT E. BAROSEN

CHRISTOPHER A. N. STEEN  
Managing Director

# Statement of Owners' Equity

KLP BOLIGKREDITT AS

2018 NOK THOUSANDS	Share capital	Share premium	Other equity	Total owners' equity
Equity 31 December 2017	160 000	210 463	11 097	381 560
Changes in accounting principles (IFRS 9)	0	0	0	0
<b>Owners' equity 1 January 2018</b>	<b>160 000</b>	<b>210 463</b>	<b>11 097</b>	<b>381 560</b>
Income for the year	0	0	6 470	6 470
Other comprehensive income	0	0	0	0
<b>Total comprehensive income</b>	<b>0</b>	<b>0</b>	<b>6 470</b>	<b>6 470</b>
Group contribution received	0	0	12 249	12 249
Group contribution paid after tax	0	0	-12 249	-12 249
Paid-up equity in the period	60 000	60 000	0	120 000
<b>Total transactions with the owners</b>	<b>60 000</b>	<b>60 000</b>	<b>0</b>	<b>120 000</b>
<b>Owners' equity 31 December 2018</b>	<b>220 000</b>	<b>270 463</b>	<b>17 567</b>	<b>508 030</b>

2017 NOK THOUSANDS	Share capital	Share premium	Other equity	Total owners' equity
Owners' equity 1 January 2017	100 000	150 463	29 377	279 840
Income for the year	0	0	10 220	10 220
Other comprehensive income	0	0	0	0
<b>Total comprehensive income</b>	<b>0</b>	<b>0</b>	<b>10 220</b>	<b>10 220</b>
Dividends paid	0	0	-28 500	-28 500
Group contribution received	0	0	9 087	9 087
Group contribution paid after tax	0	0	-9 087	-9 087
Paid-up equity in the period	60 000	60 000	0	120 000
<b>Total transactions with the owners</b>	<b>60 000</b>	<b>60 000</b>	<b>-28 500</b>	<b>91 500</b>
<b>Owners' equity 31 December 2017</b>	<b>160 000</b>	<b>210 463</b>	<b>11 097</b>	<b>381 560</b>

NOK THOUSANDS	Number of shares	Par value	Share capital	Share premium	Other equity	Total
Equity at 1 January 2018	1 000	160	160 000	210 463	11 097	381 560
Changes in the period 1 January - 31 December		60	60 000	60 000	6 470	126 470
<b>Equity at 31 December 2018</b>	<b>1 000</b>	<b>220</b>	<b>220 000</b>	<b>270 463</b>	<b>17 567</b>	<b>508 030</b>

There is one class of shares. All the shares are owned by KLP Banken AS.

# Statement of Cash Flows

KLP BOLIGKREDITT AS

NOTE	NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
<b>OPERATIONAL ACTIVITIES</b>			
	Payments received from customers – interest, commission & charges	146 856	111 110
	Receipts on loans to customers	-4 871 955	-2 207 037
	Payment for the credit card portfolio	2 701 522	1 875 248
	Disbursements on operations	-43 369	-38 001
	Net receipts/payments on other operating activities	-410	-4 677
	Net interest from investment accounts	1 504	1 440
	Income tax paid	0	0
	<b>Net cash flow from operating activities</b>	<b>-2 065 852</b>	<b>-261 917</b>
<b>INVESTMENT ACTIVITIES</b>			
	Payments on purchase of securities	-291 018	-4 801
	Receipts on sales of securities	7 985	43 985
	Interest received from securities	395	433
	<b>Net cash flow from investment activities</b>	<b>-282 638</b>	<b>39 617</b>
<b>FINANCING ACTIVITIES</b>			
18	Receipts on loans	2 800 000	557 000
18	Repayment and redemption of loans	400 000	-351 515
18	Payment for loan buybacks	-1 392 000	0
	Change in internal funding	536 279	0
	Net payment of interest on loans	-87 405	-68 024
	Change in owners' equity	120 000	120 000
	Group contribution paid	-3 868	-3 029
	Dividends paid	0	-28 500
	<b>Net cash flow from investment activities</b>	<b>2 373 006</b>	<b>225 932</b>
	<b>Net cash flow during the period</b>	<b>24 515</b>	<b>3 632</b>
	Cash and cash equivalents at start of period	116 006	112 374
27	Cash and cash equivalents at end of period	140 521	116 006
	<b>Net receipts/disbursements (-) of cash</b>	<b>24 515</b>	<b>3 632</b>

## **Declaration Pursuant to the Norwegian Securities Trading Act, Section 5-5**

KLP BOLIGKREDITT AS

We hereby declare that, to the best of our knowledge, the annual financial statements for the period from 1 January to 31 December 2018 have been prepared in accordance with applicable accounting standards, and that the information in the financial statements gives a true and fair view of the Company's assets, liabilities, financial position and overall profit or loss.

We also declare that the Directors' report provides a true and fair overview of the development, profit or loss and the financial position of the Company, together with a description of the most significant risk and uncertainty factors the Company faces.

Oslo, 13 March 2019  
The Board of Directors of KLP Boligkreditt AS

**SVERRE THORNES**  
Chair

**AAGE E. SCHAANNING**  
Deputy Chair

**INGRID AUNE**

**MARIT E. BAROSEN**

**CHRISTOPHER A. N. STEEN**  
Managing Director

# Notes to the Accounts

KLP BOLIGKREDITT AS

## NOTE 1 General information

KLP Boligkreditt AS was founded on 30 October 2013. The company is a housing credit enterprise, and finance the activity primary through issuing covered bonds (OMF). The Company's functional currency is Norwegian kroner.

KLP Boligkreditt AS is registered and domiciled in Norway. KLP Boligkreditt AS's head office is at Beddingen 8 in Trondheim.

The Company is a wholly owned subsidiary of KLP Banken AS, which is in turn wholly owned by Kommunal Landspensjonskasse (KLP) through

the holding company KLP Bank-holding AS. KLP is a mutual insurance company.

The annual financial statements are available at [klp.no](http://klp.no).

## NOTE 2 Summary of the most important accounting principles

Below is a description of the most important accounting principles used in preparation of the financial statements for KLP Boligkreditt AS. These principles are used in the same way in all periods presented unless otherwise indicated.

### 2.1 FUNDAMENTAL PRINCIPLES

The financial statements for KLP Boligkreditt AS have been prepared in accordance with international accounting standards (IFRS) and interpretations from the IFRS interpretations committee, as adopted by the EU. The Norwegian Accounting Act and the Regulations concerning annual accounts for banks, mortgage firms and finance companies (the Accounting Regulations) contain individual requirements for additional information, which is not required under IFRS. These supplementary information requirements have been incorporated into the notes to the financial statements.

The annual accounts have been prepared on the principle of historic cost, with the following exceptions:

- Financial assets and liabilities (including financial derivatives) are valued at fair value through profit or loss
- Financial assets and liabilities are valued in accordance with the rules on fair value hedging

To prepare the accounts in accordance with IFRS, management has to make accounting estimates and approximate valuations. This will affect the value of the Company's assets and liabilities, income and expenses recognised in the financial statements. Actual figures may deviate from estimates used. Areas in which discretionary valuations and estimates of material significance for the Company have been shown are described in Note 3.

All amounts are presented in NOK thousands without decimals unless otherwise stated.

The financial statements have been prepared in accordance with the going concern assumption.

### 2.1.1. Changes in accounting principles and information

a) New and changed standards adopted by the Company in 2018:

- IFRS 9 Financial instruments  
For information on the new standard and the effect implementation has had on the company, please refer to section 2.3.1.
- IFRS 15 Revenue from Contracts with Customers  
The new standard deals with revenue recognition. The standard calls for analysis of the customer contract, identifying the individual performance obligations. A performance obligation may be a good or service. Income is recognised when a customer acquires control over a good or service, and thus has the opportunity to decide on the use of, and may receive the advantages from, the good or the service. The standard replaces IAS 18 Revenue and IAS 11 Construction Contracts and associated interpretations. The transition to IFRS 15 has not had any substantial effect on the company's accounting because revenues are covered by other standards.

**NOTE 2** Summary of the most important accounting principles - cont.

b) Standards, changes to and interpretations of existing standards that have not come into effect and where the company has not chosen early application.

The company is implementing the IFRS 16 standard from 1 January 2019. The standard will result in more leases than before being capitalised, as the distinction between operational and financial leasing has been removed. Under this standard, the right to use a leased object is an asset, and an obligation to pay a lease is a liability to be shown on the balance sheet. The exceptions are short-term and low-value leases. The accounting treatment for lessors will not be significantly altered. The transition to IFRS 16 will not have any material impact on the company's accounting figures, since it doesn't have any material leases.

There are no other IFRS standards or IFRIC interpretations not yet in force that are expected to have a significant impact on the company's financial statements.

**2.2 FOREIGN CURRENCY****2.2.1 Functional currency and presentation currency**

The accounts are presented in NOK, which is the functional currency of the parent company and the presentation currency of the company.

**2.3 FINANCIAL INSTRUMENTS**

The Company's financial assets are divided into the following categories: financial assets measured at fair value through profit or loss and financial assets measured at amortized cost. In addition, hedge accounting is used in accordance with the rules on fair value hedging. The purpose of the asset determines the classification and management undertakes classification on acquisition of the financial asset.

**2.3.1 Changes in accounting principles**

The KLP Boligkreditt AS has used IFRS 9 and IFRS 7R, which apply for the first time to years beginning 1 January 2018 and after.

As permitted in the transitional provisions in IFRS 9, KLP Boligkreditt AS have chosen not to restate comparative figures. The comparative figures for 2017, reported in accordance with IAS 39, are therefore not comparable with the information presented for 2018. Differences arising from the transition to IFRS 9 are charged directly to other equity as of 1 January 2018.

**2.3.1.1 Changes in classification and measurement**

Classification and measurement of financial assets in accordance with IFRS 9, apart from equity instruments and derivatives, are based on a combination of the unit's business model for the management of assets and the contractual cash flow characteristics of the instrument.

Measurement categories for financial assets according to IAS 39 (fair value through profit and loss, available for sale, held-to-maturity and loans and receivables) have been replaced by:

- Debt instruments at amortised cost
- Debt instruments at fair value through other comprehensive income, with gains or losses recycled through profit or loss on derecognition.
- Equity instruments at fair value through other comprehensive income, without recycling gains or losses on derecognition
- Financial assets at fair value through profit or loss

Accounting for financial liabilities is largely unchanged, except that for liabilities specifically recognised at fair value, changes in fair value due to own credit risk are recognised through other

income and expenses without recycling. This will be the case unless processing the changes in the credit risk from the liability will cause or aggravate the accounting mismatch in profit/loss.

**2.3.1.2 Changes in the impairment model**

Earlier rules (IAS 39) meant that the company raised provisions for losses based on an 'incurred loss' model, i.e. the loss provisions were conditional on objective evidence of impairment on the reporting date. Under the new rules in IFRS 9, the company has to raise provisions for expected losses. The new principles apply to financial assets that are debt instruments, and which are measured at amortised cost or fair value with value changes recognised through other comprehensive income. Loan commitments, financial guarantee contracts and leases due are covered.

The measurement of impairment for expected loss depends on whether the credit risk has increased significantly since initial recognition. Upon initial recognition, and when the credit risk has not increased significantly after initial recognition, provisions are based on 12 months' expected loss (Stage 1). If the credit risk has increased significantly since initial recognition, but there is no objective evidence of impairment, write-downs are based on expected loss over the lifetime (Stage 2). The individual loss provisions under IAS 39 are not affected by the transition to IFRS 9 (Stage 3).

Information on the effects of the transition to IFRS 9 is given in note 2.3.1.3 to 2.3.1.7 below. Note 2.4. "Summary of important accounting policies related to financial instruments", sets out the accounting policies for financial instruments applied from 1 January 2018 (as well as previous IAS 39 accounting policies for financial instruments applied in the comparative period).

### 2.3.1.3 Classification and measurement of financial instruments

The table below show the measurement category and book value of financial instruments in accordance with IAS 39 and IFRS 9 at the time of transition.

FINANCIAL INSTRUMENTS	Classification according to IAS 39	Carrying amount according to IAS 39 (MNOK)	Classification according to IFRS 9	Carrying amount according to IFRS 9 (MNOK)
Loans to and receivables from credit institutions	Loans and receivables	123	Amortised cost	123
Loans to and receivables from customers	Loans and receivables	5 057	Amortised cost	5 057
Fixed-income securities	Fair value through profit or loss (FVO)	5	Fair value through profit or loss	5
Liabilities created on issuance of securities	Amortised cost	-4 799	Amortised cost	-4 799
Financial guarantees and loan commitments <sup>1</sup>		0		0

<sup>1</sup> Financial guarantees and loan commitments are contingent liabilities.

As shown in the table, there are no material changes regarding classification and measurement of financial instruments or liabilities.

### 2.3.1.4 Reconciliation of the book value of financial assets between IAS 39 and IFRS 9

KLP Boligkreditt has carried out a review of the business model for the management of financial assets and an analysis of their cash flow characteristics

Please see note note 2.4.2 for more detailed information on the new classification requirements under IFRS 9.

The table below reconciles the carrying amounts for financial assets from previous measurement categories under IAS 39 against the new measurement categories at the transition to IFRS 9 from 1 January 2018:

NOTE	FINANCIAL ASSETS FIGURES IN MNOK	Carrying amount according to IAS 39 31 December 2017	Change as a result of reclassification	Change as a result of revaluation	Carrying amount according to IFRS 9 1 January 2018
	<b>AMORTISED COST</b>				
	Loans to and receivables from credit institutions	123	0	0	123
	Loans to and receivables from customers	5 057	0	0	5 057
	<b>Total effect at amortised cost</b>	<b>5 181</b>	<b>0</b>	<b>0</b>	<b>5 181</b>
	<b>FAIR VALUE WITH VALUE CHANGES THROUGH PROFIT OR LOSS</b>				
A	Fixed-income securities	5	0	0	5
	<b>Total effect on fair value through profit or loss</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>
	<b>Total financial assets</b>	<b>5 186</b>	<b>0</b>	<b>0</b>	<b>5 186</b>
	<b>FINANCIAL LIABILITIES</b>				
	<b>AMORTISED COST</b>				
	Liabilities created on issuance of securities	4 799	0	0	4 799
	<b>Total effect at amortised cost</b>	<b>4 799</b>	<b>0</b>	<b>0</b>	<b>4 799</b>
	<b>Total financial liabilities</b>	<b>4 799</b>	<b>0</b>	<b>0</b>	<b>4 799</b>

#### NOTE A

Fixed-income securities make up parts of the Bank's liquidity reserve.

The portfolio is managed and measured on a fair value basis and has to be classified under IFRS 9 at fair value with changes in value through profit or loss.

**NOTE 2** Summary of the most important accounting principles - cont.**2.3.1.5 Reconciliation of loss provisions between IAS 39 and IFRS 9**

The table below shows a reconciliation between the loan loss provisions measured according to the IAS 39 ‘incurred loss’ model against the IFRS 9 ‘expected loss’ model at 1 January 2018 for the company:

CHANGE IN PROVISIONS FIGURES IN MNOK	Loss provision according to IAS 39 on 31 December 2017	Change as a result of reclassifi- cation	Change as a result of revaluation	Loss provision according to IFRS 9 on 1 January 2018
Loans and receivables under IAS 39 at amortised cost under IFRS 9	0	0	0	0
Financial guarantees and loan commitments	0	0	0	0
<b>Total change in loss provisions</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**2.3.1.6 Distribution of loss provisions per stage (1 January 2018)**

The table below shows the loss provisions (after tax), broken down into the different stages at the transition to IFRS 9:

SPECIFICATION OF LOSS PROVISIONS FIGURES IN MNOK	Stage 1	Stage 2	Stage 3	Loss provision according to IFRS 9 on 1 January 2018
Loans and receivables under IAS 39 at amortised cost under IFRS 9	0	0	0	0
Financial guarantees and loan commitments	0	0	0	0
<b>Total provisions for losses</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**2.3.1.7 Effect of the transition to IFRS 9 on equity**

The implementation effect on the company’s equity is NOK 0 million

**2.4 SUMMARY OF IMPORTANT ACCOUNTING POLICIES RELATED TO FINANCIAL INSTRUMENTS**

The most important accounting policies relating to financial instruments used from 1 January 2018 and in the period before 1 January 2018 are described below.

**2.4.1 Recognition and derecognition**

Financial assets and liabilities are included on the balance sheet on the date when the KLP Boligkreditt becomes party to the instrument’s contractual terms and conditions. Regular purchases and sales of investments are recognised on the date of the agreement. Financial assets are removed from the balance sheet when the rights to receive cash flows from the invest-

ment expire or when these rights have been transferred and the KLP Boligkreditt has essentially transferred the risk and the potential gain from ownership. Financial liabilities are derecognised when the rights to the contractual conditions have been fulfilled or cancelled or have expired.

**2.4.2. Classification and subsequent measurement****Financial assets – principle applied from 1 January 2018**

Financial assets are classified on initial recognition in one of the following categories:

- Amortised cost
- Fair value through profit or loss

A financial asset is measured at amortised cost if both of the following criteria are met and the financial asset has not been reported at fair value through profit or loss (the ‘fair value option’):

- The financial asset is held in a business model whose purpose is to keep financial assets in order to receive the contractual cash flows (the ‘business model criterion’), and
- At certain times, the contractual terms of the financial asset lead to cash flows that only include repayments and interest on the outstanding principal amount (the ‘cash flow criterion’).

**The business model criterion**

KLP Boligkreditt AS assesses the target with a business model in which an asset is held at the portfolio level, because this best reflects the way the business is managed, and information is given to management. The information that is assessed includes:

- Explicit guidelines and goals for the portfolio and operation of these guidelines in practice. In particular, if the management’s strategy and goal is to keep the asset in order to collect



the contractual cash flows, maintain a specific interest profile, and match duration between financial assets and the corresponding financial liabilities used to finance these assets, or realise cash flows through the sale of the assets;

- How the return on the portfolio is assessed and reported to management;
- The risks that affect the performance of the business model (and the financial assets held within this business model) and how these risks are managed;
- How the managers are compensated, e.g. whether the compensation is based on the fair value of the managed assets or the total contractual cash flows; and
- Frequency, volume and date of sale in previous periods, the reasons for such sales and expectations of future sales activity. Information about the sales activities is not however assessed in isolation, but as part of an overall assessment of how the company's stated goals for managing the financial assets are achieved and how the cash flows are realised

Assessment of the business model is based on reasonable future scenarios without regard to 'worst case' or 'stress case' scenarios. If cash flows after initial recognition are realised in a way that is different from the company's original expectations, the classification of the remaining financial assets in the relevant business model does not change, but the information is incorporated into the assessment of the newly issued or acquired financial assets in the future.

#### Cash flow criterion

In this evaluation the principal amount is defined as the fair value of the financial asset on initial recognition. 'Interest' is defined as payment for the time value of money and for credit risk related to outstanding principal in a specific period of time and for other basic lending risks and costs (e.g. liquidity risk and administrative expenses), as well as a profit margin.

In assessing whether the contractual cash flows are only repayments and interest on the outstanding principal amount, KLP Boligkreditt AS consider the contractual terms of the instrument. This includes assessing whether the financial asset contains a contractual clause that can change the date or the amount of the contractual cash flows so that it will not meet this condition. In assessing this, the company considers:

- Contingent events that would change the amount and the date of the cash flows;
- Influence on functions;
- Advance payments and extended terms
- Terms that limit the company's claim to cash flows from specific assets (e.g. 'nonrecourse asset arrangements')
- Terms that change the assessment of the time value of money - e.g. periodic resetting of interest rates.

All other financial assets are measured at fair value with changes in value through profit/loss, so:

- Assets with contractual cash flows that do not meet the cash flow criterion; and/or
- Assets held in a different business model than 'held to collect contractual cash flows'; or
- Assets designated at fair value through profit or loss (the 'fair value option').

KLP Boligkreditt AS may designate a debt instrument that meets the criteria to be measured at amortised cost to be reported at fair value through profit or loss if this eliminates or significantly reduces inconsistencies in measurement ('accounting mismatches'). This option is also available under IAS 39.

#### Impairment model

The impairment model for losses on loans and receivables is based on expected credit losses. The impairment model defines default as "a payment

that is more than 90 days overdue, or an account that is continuously overdrawn for a minimum of 90 days (by at least NOK 500)". How the impairment loss is to be measured is determined for each individual stage and the model uses the effective interest rate method. A simplified approach is allowed for financial assets that do not have a significant financial component (e.g. trade receivables). Upon initial recognition, and in cases where the credit risk has not increased significantly after initial recognition, provision has to be made for credit losses that are expected to occur over the next 12 months (Stage 1). If the credit risk has increased significantly, the provisions should correspond to the expected credit losses over the expected useful life (Stage 2). If there is a loss event, impairments are raised equal to the expected loss on the commitment throughout its life (Stage 3).

In the company, the assessment of what is considered to be a significant change in credit risk for mortgage loans is based on a combination of quantitative and qualitative indicators and 'backstops'.

For the products where the company has not developed its own PD and LGD (loss given default) models, the loss ratio method is used. Here a change in risk rating of at least one grade from initial recognition to the reporting date is considered to be a significant increase in credit risk.

#### Financial assets – principle applied before 1 January 2018

Financial assets are classified on initial recognition in one of the following categories:

- Financial assets at fair value through profit or loss

Lending and receivables recognised at amortised cost

### Financial assets at fair value through profit or loss

Within this category, it may be mandatory or a deliberate choice to recognise attribution at fair value with value changes through profit or loss. The first category includes the KLP Boligkreditt financial derivatives, unless they are part of a hedge. The second category includes financial assets designated at fair value through profit or loss.

### Lending and receivables recognised at amortised cost

Loans and receivables are financial assets that are not derivatives and have fixed or determinable payments and are not traded on an active market. The category includes loans and receivables as well as bonds that are not defined as assets valued at fair value through profit or loss.

### Impairment model for assets valued at amortised cost:

If there is objective evidence of impair-

ment, a write-down is carried out. In assessing whether there is impairment, weight is attached to whether the issuer/debtor has significant financial difficulties and whether there is any breach of contract, including default. The write-down is calculated by comparing the new, anticipated cash flows with the original cash flows discounted by the original effective interest rate (assets with fixed interest) or by the effective interest rate at the time of measurement (assets with variable interest).

Loss assessments and write-downs are carried out quarterly on individual loans where there is objective evidence of impairment. Lending is also assessed by group. If there is objective evidence of impairment in a group of loans, a write-down is carried out. The write-down is reversed if events occur after the date of write-down that reduce the loss.

### Financial liabilities

Under both IAS 39 and IFRS 9, financial

liabilities are measured at amortised cost, except for:

- Financial liabilities at fair value through profit or loss: This classification applies to derivatives and financial liabilities designated as such upon initial recognition. The company has designated certain liabilities at fair value through the income statement, because this reduces or eliminates inconsistencies in measurement ('accounting mismatches')
- Financial guarantees and loan commitments

Other financial liabilities recognised at amortised cost:

The category includes deposits from customers and credit institutions with no interest rate hedging and other financial liabilities not designated as liabilities measured at fair value through profit or loss.

### Presentation, classification and measurement in the balance sheet and the income statement

The tables below show and compare the presentation, classification and subsequent measurement of each balance sheet item under IAS 39 (before 1 January 2018) and under IFRS 9 (from 1 January 2018):

FINANCIAL INSTRUMENTS	Classification according to IAS 39	Classification according to IFRS 9
Loans to and receivables from credit institutions	Amortised cost (loans and receivables)	Amortised cost
Loans to and receivables from customers	Amortised cost (loans and receivables)	Amortised cost
Fixed-income securities	Fair value through profit or loss (FVO)	Fair value through profit or loss
Liabilities created on issuance of securities	Amortised cost	Amortised cost

As can be seen from the table, there are no significant changes in presentation, classification and measurement of financial assets or financial liabilities for the company.

#### 2.4.3 Netting

Financial assets and liabilities are presented net in the statement of financial position when there is an unconditional offsetting entitlement that can be legally enforced and the intention is to settle net, or realise the asset and liability simultaneously.

This applies to periods both before and after 1 January 2018.

#### 2.4.4 Modification

When the contractual cash flows from a financial asset are renegotiated or otherwise amended, and the renegotiation or change does not lead to derecognition

of the financial asset, the gross book value of the financial asset is recalculated and a gain or loss is recognised in the income statement. The gross book value of the financial asset is recalculated as the present value of the renegotiated or amended contractual cash flows, discounted at the original

effective interest rate for the financial asset. Any costs or fees incurred adjust the book value of the modified financial asset and are written down over the remaining lifetime of the changed financial asset

## 2.5 CASH AND CASH EQUIVALENTS

Cash and cash equivalents are defined as receivables from credit institutions without termination date. The amount does not include receivables from credit institutions that are linked to purchase and sale of securities in the management of the securities portfolios. The statement of cash flows has been prepared in accordance with the direct method.

## 2.6 FINANCIAL LIABILITIES

The Company's financial liabilities comprise liabilities to credit institutions and covered bonds issued.

### 2.6.1 Liabilities to credit institutions

Liabilities to credit institutions are capitalized at market value on take-up. As a rule, on subsequent measurement the liability is recognized at amortized cost in accordance with the effective interest rate method. The interest costs are included in the amortization and are shown in the line "Interest costs and similar costs" in the income statement

### 2.6.2 Covered bonds issued

In the first instance covered bonds issued are recognized at fair value on take-up adjusted for purchase costs, i.e. nominal adjusted for any premium/discount on issue. On subsequent valuation the bonds are valued at amortized cost by the effective interest method. The interest costs are shown in the line "Interest costs and similar costs" in the income statement. Bonds with fixed interest are recognized in accordance with the rules on fair value hedging

inasmuch as they are hedged against change in interest rate level.

## 2.7 OWNERS' EQUITY

The owners' equity in the Company comprises owners' equity contributed and retained earnings.

### 2.7.1 Owners' equity contributed

Owners' equity contributed comprises share capital, the share premium fund and other owners' equity contributed.

### 2.7.2 Retained earnings

Retained earnings comprise other owners' equity. Ordinary company law rules apply for any allocation or use of the retained earnings.

## 2.8 PRESENTATION OF INCOME

Income on sale of goods and services is valued at fair value of the consideration, net of deductions for VAT and any discounts.

### 2.8.1 Interest income/expenses

Interest income and interest expenses associated with all interest-bearing financial instruments valued at amortized cost are taken to income using the effective interest rate method, except for:

- Purchased or originated credit-impaired financial assets. For those financial assets, the entity shall apply the credit-adjusted effective interest rate to the amortised cost of the financial asset from initial recognition
- Financial assets that are not purchased or originated credit-impaired financial assets but subsequently have become credit-impaired financial assets. For those financial assets, the entity shall apply the effective interest rate to the amortised cost of the financial asset in subsequent reporting periods

For interest-bearing financial investments and derivatives measured at fair value through the income statement, interest income is classified as "Interest income and similar income, fair value", while other value changes are classified as 'Net gain or loss on financial investments'.

## 2.9 TAX

Tax costs in the income statement comprise tax payable and changes in deferred tax. Tax is charged to the income statement, apart from tax relating to items reported under "other comprehensive income". Deferred tax and tax assets are calculated as differences between the accounting and taxation value of assets and liabilities. Deferred tax assets are capitalized to the extent it can be shown probable that the Company will have sufficient taxable profit to exploit the tax asset.

The company is a part of a financial services group and a tax group. With exception for the limitations pursuant to the Financial Institutions Act, any tax-related surplus may be submitted in their entirety to parent company and subsidiaries as group contribution with tax effect.

The company pays no benefits to employees and is not covered by the rules on capital activity tax. The company's nominal income tax rate in 2018 is 23 per cent, while deferred tax is calculated by 22 per cent as the income tax rate is reduced by one percentage point in 2019.

**NOTE 3** Important accounting estimates and valuations

The company prepares estimates and assumptions about future situations. These are continuously evaluated and are based on historical data and expectations concerning probable future events considered on the basis of data available at the time of presentation of the financial statements. The estimates may be expected to differ from the final outcome and the areas where there is significant risk of substantial change in capitalised values in future periods are discussed below.

The Company's financial position comprises primarily lending secured by housing mortgage, housing title deeds or housing association shares (hypothesised residential loans) or other real estate (hypothesised property loans) and borrowing taken up through issuance of covered bonds. For accounting purposes these items are valued at amortized cost.

Financial instruments are assessed for impairment for expected losses. The method for measuring impairment for expected loss depends on whether the credit risk has increased significantly since initial recognition. Upon initial recognition, and when the credit risk has not increased significantly after initial recognition, provisions are based on 12 months' expected loss (step 1). If the credit risk has increased significantly since initial recognition, but there is no objective evidence of impairment, write-downs are based on expected loss over the lifetime (step 2). If the credit risk has increased significantly and there is objective evidence of impairment, a provision should be raised for the expected loss over its lifetime (step 3).

In the company, the assessment of what is considered to be a significant change in credit risk for home mortgage loans is based on a combination of quantitative and qualitative indicators and 'back-

stops'. The most important driver for a significant change in credit risk for home mortgage loans in the group is a change in the probability of default (PD) from the initial recognition up to the reporting date. A relative change in PD of more than 2.5 is considered to be a significant change in credit risk. The change in PD must also be at least 0.6 percentage points for the change to be considered significant.

For the products where the company/group has not developed its own PD and LGD (loss given default) models, the simplified loss ratio method is used. Here a change in risk rating of at least one grade from initial recognition to the reporting date is considered to be a significant increase in credit risk.

For more information about the company's calculation of losses, refer to Note 15.

**NOTE 4** Segment information

KLP Boligkreditt has no division of its income by products or services. The Company has only the retail market segment

and offers its customers only loans that are secured by property mortgage. The Company has only Norwegian customers.

The Company has no external customers representing more than 10 per cent of the Company's total operating income.

**NOTE 5** Net gain/(loss) on financial instruments

NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
Net gain/(loss) on fixed-income securities	-466	177
Net gain/loss financial derivatives and realized repurchase of own debt	-471	-29
<b>Total net gain/(loss) on financial instruments</b>	<b>-937</b>	<b>148</b>

**NOTE 6** Categories of financial assets

NOK THOUSANDS	31.12.2018	
	Book value	Fair value
<b>FINANCIAL ASSETS AT FAIR VALUE</b>		
Fixed-income securities	288 357	288 357
<b>Total financial assets at fair value</b>	<b>288 357</b>	<b>288 357</b>
<b>FINANCIAL ASSETS AT AMORTIZED COST</b>		
Loans to and receivables from credit institutions	148 414	148 414
Lending to the retail market	7 227 991	7 227 991
<b>Total financial assets at amortized cost</b>	<b>7 376 405</b>	<b>7 376 405</b>
<b>TOTAL FINANCIAL ASSETS</b>	<b>7 664 762</b>	<b>7 664 762</b>
<b>FINANCIAL LIABILITIES AT AMORTIZED COST</b>		
Liabilities to credit institutions	1 036 913	1 036 913
Covered bonds issued	6 116 113	6 141 701
<b>Total financial liabilities at amortized cost</b>	<b>7 153 026</b>	<b>7 178 614</b>
<b>TOTAL FINANCIAL LIABILITIES</b>	<b>7 153 026</b>	<b>7 178 614</b>

NOK THOUSANDS	31.12.2017	
	Book value	Fair value
<b>FINANCIAL ASSETS AT FAIR VALUE</b>		
Fixed-income securities	5 020	5 020
<b>Total financial assets at fair value</b>	<b>5 020</b>	<b>5 020</b>
<b>FINANCIAL ASSETS AT AMORTIZED COST</b>		
Loans to and receivables from credit institutions	123 488	123 488
Lending to the retail market	5 057 203	5 057 203
<b>Total financial assets at amortized cost</b>	<b>5 180 691</b>	<b>5 180 691</b>
<b>TOTAL FINANCIAL ASSETS</b>	<b>5 185 711</b>	<b>5 185 711</b>
<b>FINANCIAL LIABILITIES AT AMORTIZED COST</b>		
Liabilities to credit institutions	500 345	500 345
Covered bonds issued	4 298 444	4 328 684
<b>Total financial liabilities at amortized cost</b>	<b>4 798 789</b>	<b>4 829 029</b>
<b>TOTAL FINANCIAL LIABILITIES</b>	<b>4 798 789</b>	<b>4 829 029</b>



## NOTE 6 Categories of financial assets - cont.

Fair value shall be a representative price based on what a corresponding asset or liability would have been traded for at normal market terms and conditions. A financial instrument is considered as listed in an active market if listed prices are simply and regularly available from a stock market, dealer, broker, industry group, price-setting service or regulatory authority, and these prices represent actual and regularly occurring transactions at arm's length. If the market for the security is not active, or the security is not listed on a stock market or similar, the Group uses valuation techniques to set fair value. These are based for example on information on recently completed transactions carried out on business terms and conditions, reference to trading in similar instruments and pricing using externally collected yield curves and yield spread curves. As far as possible the estimates are based on externally observable market data and rarely on company-specific information.

### THE DIFFERENT FINANCIAL INSTRUMENTS ARE THUS PRICED IN THE FOLLOWING WAY

**Fixed-income securities - government**  
Bloomberg is used as a source for pricing Norwegian government bonds. It is Oslo Børs (Stock Exchange) that provides the price (via Bloomberg). The prices are compared with the prices from Reuters to reveal any errors.

### Fixed-income securities - other than government

Norwegian fixed-income securities except government are generally priced using prices from Nordic Bond Pricing. Those securities that are not included in Nordic Bond Pricing are priced theoretically. In theoretical price is based on the assumed present value on the sale of the position. A zero-coupon curve is used for discounting. The zero-coupon curve is adjusted upwards by means of a credit spread, which is to take account of the risk the bond entails. The credit spread is calculated on the basis of a spread curve taking account of the duration of the bond. Nordic Bond Pricing is the main source of spread curves. They provide company-specific curves for Norwegian saving banks, municipalities and energy. Saving banks have various spread curves based on total assets. For companies where Nordic Bond Pricing do not deliver spread curves, the Group use spread curves from three Norwegian banks. When spread curves are available from more than one of these banks, an equal-weighted average is used.

**Fair value of loans to retail customers**  
Fair value of lending without fixed interest rates is considered virtually the same as book value since the contract terms are continuously changed in step with market interest rates. Fair value of fixed-rate loans is calculated by discounting

contractual cash flows by the marked rate including a relevant risk margin on the reporting date. This is valued in Level 2 in the valuation hierarchy, cf. note 7.

### Fair value of loans to and receivables from credit institutions

All receivables from credit institutions (bank deposits) are at variable interest rates. Fair value of these is considered virtually the same as book value since the contract terms are continuously changed in step with change in market interest rates. This is valued in Level 2 in the valuation hierarchy, cf. note 7.

### Fair value of liabilities to credit institutions

These transactions are valued using a valuation model, including relevant credit spread adjustments obtained from the market. This is valued in Level 2 in the valuation hierarchy, cf. note 7.

### Liabilities created on issuance of covered bonds

Fair value in this category is determined on the basis of internal valuation models based on external observable data. This is valued in Level 2 in the valuation hierarchy, cf. note 7.

**NOTE 7** Fair value hierarchy

31.12.2018 NOK THOUSANDS	Level 1	Level 2	Level 3	Total
<b>ASSETS BOOKED AT FAIR VALUE</b>				
Fixed-income securities	1 997	286 360	0	288 357
<b>Total assets at fair value</b>	<b>1 997</b>	<b>286 360</b>	<b>0</b>	<b>288 357</b>

31.12.2017 NOK THOUSANDS	Level 1	Level 2	Level 3	Total
<b>ASSETS BOOKED AT FAIR VALUE</b>				
Fixed-income securities	1 999	3 021	0	5 020
<b>Total assets at fair value</b>	<b>1 999</b>	<b>3 021</b>	<b>0</b>	<b>5 020</b>

Fair value should be a representative price based on what a corresponding asset or liability would have been traded for at normal market terms and conditions. Highest quality in regard to fair value is based on listed prices in an active market. A financial instrument is considered as listed in an active market if listed prices are simply and regularly available from a stock market, dealer, broker, industry group, price-setting service or regulatory authority, and these prices represent actual and regularly occurring transactions at arm's length.

**LEVEL 1**

Instruments in this level obtain fair value from listed prices in an active market for identical assets or liabilities that the entity has access to at the reporting date. Example instruments at Level 1 are stock market listed securities.

**LEVEL 2**

Instruments in this level obtain fair value from observable market data. This includes prices based on identical instruments, but where the instrument does not maintain a high enough trading frequency and is not therefore considered to be traded in an active market, as well as prices based on corresponding assets and price-leading indicators that can be confirmed from market information. Example instruments at Level 2 are fixed-income securities priced on the basis of interest rate paths.

**LEVEL 3**

Instruments at Level 3 contain non-observable market data or are traded in markets considered to be inactive. The price is based generally on discrete calculations where the actual fair value may deviate if the instrument were to be traded.

Note 6 discloses the fair value of financial assets and financial liabilities that are recognized at amortized cost. Financial assets measured at amortized cost comprise lending to and due to credit institutions, Norwegian municipalities and retail customers. The stated fair value of these assets is determined on terms qualifying for level 2.

Financial liabilities recognized at amortized cost consist of debt securities issued and deposits. The stated fair value of these liabilities is determined by methods qualifying for level 2.

There have been no transfers between Level 1 and Level 2.

**NOTE 8** Fixed-income securities

NOK THOUSANDS				31.12.2018
Debtor categories	Acquisition cost	Unreal. gain/loss	Accr. int. not due	Market value
Government/social security administration	1 997	-1	0	1 997
Credit enterprises	286 058	-475	777	286 360
<b>Total fixed-income securities</b>	<b>288 055</b>	<b>-475</b>	<b>777</b>	<b>288 357</b>

Effective interest rate: 1.35 %

NOK THOUSANDS				31.12.2017
Debtor categories	Acquisition cost	Unreal. gain/loss	Accr. int. not due	Market value
Government/social security administration	1 994	5	0	1 999
Credit enterprises	3 017	0	4	3 021
<b>Total fixed-income securities</b>	<b>5 011</b>	<b>5</b>	<b>4</b>	<b>5 020</b>

Effective interest rate: 0.80 %

Effective interest is calculated as a yield-to-maturity, i.e. it is the constant interest rate level at which one may discount all the future cash flows from the securities to obtain the securities' total market value.

**NOTE 9** Net interest income

NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
Interest income on loans to customers, amortized cost	148 839	111 575
Interest income on loans to credit institutions, amortized cost	1 504	1 439
Interest income on bonds and certificates, fair value	1 168	351
<b>Total interest income</b>	<b>151 510</b>	<b>113 366</b>
Interest expenses on debt to KLP Banken AS, amortized cost	-10 471	-5 431
Interest expenses on issued securities, amortized cost	-86 414	-61 483
<b>Total interest costs</b>	<b>-96 885</b>	<b>-66 915</b>
<b>NET INTEREST INCOME</b>	<b>54 625</b>	<b>46 451</b>



**NOTE 10** Lending and receivables

NOK THOUSANDS	31.12.2018	31.12.2017
<b>LOANS TO AND RECEIVABLES FROM CREDIT INSTITUTIONS</b>		
Bank deposits	148 414	123 488
<b>Loans to and receivables from credit institutions</b>	<b>148 414</b>	<b>123 488</b>
<b>LOANS TO AND RECEIVABLES FROM CUSTOMERS</b>		
Principal on loans to customers	7 219 291	5 049 999
Write-downs steps 1 and 2	-7	0
Premium/discount	979	1 458
Accrued interest	7 729	5 746
<b>Loans to and receivables from customers</b>	<b>7 227 991</b>	<b>5 057 203</b>

**NOTE 11** Financial risk management**ORGANISATION OF RISK MANAGEMENT**

KLP Boligkreditt AS is a wholly owned subsidiary of KLP Banken AS. The Board of Directors has established a risk management framework aimed at ensuring that risks are identified, analysed and subjected to management using policies, limits, procedures and instructions. The Board has adopted risk policies covering the key individual risks as well as an overarching risk policy that covers principles, organisa-

tion, limits etc. for the bank's total risk. The risk policies are of an overarching nature and are complemented by procedures, guidelines and instructions laid down at the senior management level. The policies state which departments are responsible for handling the various risks and also cover the establishment of a separate risk control function. One purpose of the risk control function is to check that the risk policies and other guidelines for risk management are being followed. This function is carried out by the Risk Analysis and Control

Department, which is responsible for preparing periodic risk reports to senior management and the Board as well is reporting in the event of breaches of policies or guidelines. The Department, which has an independent role in relation to other departments, also has other tasks associated with the Company's risk management. The responsibility for the operational direction of the Company's liquidity risk, exchange-rate risk and interest rate risk lies with the Finance Department.

**NOTE 12** Credit risk

Credit risk is understood here to mean the risk of loss associated with loan customers, counterparties in derivatives, issuers of securities and other counterparties being unable or unwilling to settle at the agreed time and in accordance with written contracts, and the securities established not covering the outstanding demand.

KLP Boligkreditt AS provides property mortgage loans to retail customers. The principal customer group is made up of members of KLP, who represent about 86% of the lending volume.

**12.1 CONTROL AND LIMITATION OF CREDIT RISK**

The Board has determined a credit policy that contains overarching guidelines, requirements and limits associated with credit risk. The policy lays down that the bank is to have a low credit risk profile and includes limits on types of lending and principles for organisation and operation of the Company's lending activity. The policy also includes an overall mandate structure for lending and other counterparty exposure.

KLP Boligkreditt has only loans mortgaged in residential property within 75% of the market value of the mortgaged object in the portfolio. In processing loan applications the borrower's servicing ability and the value of the mortgage object is assessed and loans are provided only within set limits and authorizations.

The market value of the mortgage assets is updated quarterly against Eiendomsverdi AS of market value of housing in Norway.

**NOTE 12** Credit risk cont.**12.2 LOANS ACCORDING TO TYPE OF SECURITY/EXPOSURE (PRINCIPAL)**

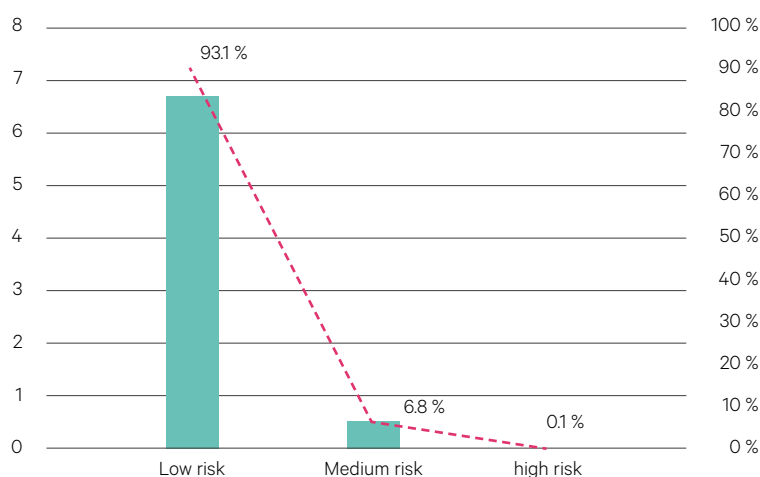
NOK THOUSANDS	31.12.2018	31.12.2017
<b>LOANS ACCORDING TO TYPE OF SECURITY/EXPOSURE (PRINCIPAL)</b>		
Retail mortgage loans	7 219 291	5 049 999
<b>Total</b>	<b>7 219 291</b>	<b>5 049 999</b>
Sums falling due more than 12 months after the end of the reporting period	6 933 533	4 840 506

NOK THOUSANDS	31.12.2018	31.12.2017
<b>ALLOCATION OF LOAN TO VALUE (PRINCIPAL) FOR RETAIL MORTGAGE LOANS</b>		
Loan to value ratio up to 50 per cent	3 472 326	2 827 682
Loan to value ratio from 51 to 60 per cent	1 734 889	1 196 373
Loan to value ratio from 61 to 75 per cent	1 929 046	1 025 688
Loan to value ratio above 75 per cent	83 030	257
<b>Total</b>	<b>7 219 291</b>	<b>5 049 999</b>

KLP Boligkreditt uses a risk classification system to classify retail customers with loans or credits. Customers are classified from A to K, where A indicates very low risk, whereas K is for customers who have incurred losses on the bank. Below is a distribution table where the volume of loans is divided into low, medium and high risk, where low risk is defined as lending to customers with A or B classification, medium risk is defined as lending to customers with C or D classification, and high risk is defined as lending to customers with E to K classification.

**HOME LOANS IN KLP BOLIGKREDITT AS**

NOK BILLIONS



**NOTE 12** Credit risk cont.

The table below shows the total book value of the various risk classes and per step in the impairment model. Stage 1 is all healthy loans, which must be written down with estimated losses for 12 months. Stage 2 indicates that the engagement has a substantially increased credit risk since the initial recognition on the balance sheet, and means that the loan must be written down with estimated losses throughout the entire term. Stage 3 is all loans with individual loss write-downs, and must be written down with estimated losses throughout the entire term.

	Stage 1	Stage 2	Stage 3	Total CB book value
Low risk - risk class A	6 892 510	1 844	-	6 894 354
Low risk - risk class B	283 830	5 427	-	289 257
Medium risk - risk class C	34 440	2 207	-	36 647
Medium risk - risk class D	352	2 560	-	2 912
High risk - risk class E	-	3 849	-	3 849
High risk - risk class F	-	-	-	-
High risk - risk class K	-	-	-	-
Engagements without risk class (new customers)	-	-	-	-
<b>Total CB book value</b>	<b>7 211 133</b>	<b>15 887</b>	<b>-</b>	<b>7 227 020</b>

The Company also invests in securities issued by municipalities and county administrations and will in addition have credit risk exposure in the form of “additional collateral”. The additional collateral can amount up to 20 percent of the cover. In accordance with the Company’s internal guidelines the additional collateral may be in the form of deposits in banks satisfying minimum rating requirements as well as covered bonds issued by Norwegian credit enterprises.

**CREDIT QUALITY OF SECURITIES, BANK DEPOSITS AND DERIVATIVES****Securities with external credit rating (Moody’s)**

NOK THOUSANDS	31.12.2018	31.12.2017
<b>AAA</b>	<b>288 357</b>	<b>5 020</b>

**Deposits in banks grouped by external credit assessment (Moody’s)**

NOK THOUSANDS	31.12.2018	31.12.2017
Aa1-Aa3	45 185	51 021
A1-A3	103 229	72 467
Baa1	-	-
<b>Total</b>	<b>148 414</b>	<b>123 488</b>

The Company may also be exposed to credit risk as a result of derivative agreements struck. The purpose of such agreements is to reduce risks arising as a result of the Company’s borrowing and lending activities. The Company’s internal guidelines specify creditworthiness requirements for derivative counterparties. As of 31 December 2018, KLP Boligkreditt AS had no derivative agreements with any counterparties.

**NOTE 12** Credit risk cont.**12.3 MAXIMUM EXPOSURE TO CREDIT RISK**

KLP Boligkreditt AS measures maximum exposure as principal and accrued interest. Security in cash or securities is not exchanged, nor are other credit improvements carried out. The table below shows the maximum exposure for KLP Boligkreditt AS.

**Maximum exposure to credit risk**

NOK THOUSANDS	31.12.2018	31.12.2017
Loans to and receivables from credit institutions	148 414	123 488
Loans to and receivables from customers	7 227 020	5 055 745
Fixed-income securities	288 357	5 020
Financial derivatives	-	-
Loss write-downs stage 1 and 2	7	N/A
<b>Total</b>	<b>7 663 797</b>	<b>5 184 253</b>

**12.4 LOANS FALLEN DUE OR WRITTEN DOWN**

The Company has not incurred losses on lending. The company considers all receivables to be satisfactorily secured. The loans are secured loans within 75% of market value, and any losses will only occur when the realizable value of the mortgaged object falls below the residual amount of the loan.

**Loans fallen due or written down**

NOK THOUSANDS	31.12.2018	31.12.2017
Principal on loans with payments 7-30 days past due	68 181	50 962
Principal on loans with payments 31-90 days past due	0	0
Principal on loans with payments more than 90 days past due	0	0
<b>Total loans fallen due</b>	<b>68 181</b>	<b>50 962</b>
Relevant security or guarantees	68 181	50 962
Lending that has been written down	-	-

**12.5 CONCENTRATION OF CREDIT RISK**

The Company's lending is in its entirety linked to financing of real estate with security within 75% of the value of the residential property. All borrowers are Norwegian and the collateral is in Norwegian housing. The company has a risk concentration where it is exposed to a general impairment in the Norwegian housing market.

The concentration against individual borrowers is limited by individual Board-set limits.

KLP Boligkreditt AS's largest exposure as at 31 December 2018 was about 0.1 per cent of the Company's total lending.

**NOTE 13** Market risk

Market risk is understood here as the risk of reduced fair value of the Company's owners' equity as a result of fluctuations in market prices for the Company's assets and liabilities. Changes in credit margins are however excluded since this comes under the term credit risk.

KLP Boligkreditt AS is exposed to market risk as a result of the Company's borrowing and lending activity and management of the Company's liquidity. The exposure is however limited to interest rate risk and exchange rate risk. Interest rate risk arises as a result of differences in timing of interest rate adjustment for the Company's assets and liabilities. The risk associated with such imbalances is reduced by using derivative contracts. All borrowing is in Norwegian kroner. The whole of the lending portfolio comprises loans in NOK.

**13.1 MEASUREMENT OF MARKET RISK**  
Interest rate risk is measured as change in value on a one percentage point change in all interest rates.

**13.2 INTEREST RATE RISK**

The market risk policy is the Company's overarching guidelines, requirements and limits associated with market risk. The policy dictates that the market risk should be minimized so that the total market risk is low. It further states that the Company should not actively take positions that expose the Company to market risk. The policy also sets limits for interest rate risk both for the total interest rate risk for the infinite future and for rolling 12-month periods. The risk limits are set to ensure that the low market risk profile policy is complied with. The operational responsibility for managing the Company's market risk

lies with the Finance Department in KLP Banken. The Risk Analysis and Control Department reports the Company's actual exposure in relation to limits in accordance with guidelines set by the Board.

Interest rate risk arises because the fixed interest periods for the bank's assets and liabilities are not the same. The table below shows repricing dates for the Company's interest-bearing assets and liabilities, and the gap shows the difference between assets and liabilities that can be interest-adjusted within the given time intervals. Lending at variable rates, and cash and receivables with credit institutions, are assumed to be able to be repriced within a 1-month horizon. The debt falls into the time interval for which interest adjustment has been agreed.

**INTEREST-RATE RISK KLP BOLIGKREDITT AS****Repricing dates for interest-bearing assets and liabilities as at 31 December 2018**

NOK THOUSANDS	Total Principal	Up to 1 mth	From 1 mths to 3 mths	From 3 mths to 12 mths	From 1 year to 5 years	Over 5 years
Lending	7 219 291	0	7 219 291	0	0	0
Securities	288 381	182 688	105 693	0	0	0
Cash and receivables from credit institutions	148 414	148 414	0	0	0	0
<b>Total</b>	<b>7 656 086</b>	<b>331 102</b>	<b>7 324 984</b>	<b>0</b>	<b>0</b>	<b>0</b>
Liabilities created on issuance of securities	6 108 000	2 500 000	3 608 000	0	0	0
Liabilities to financial institutions	1 036 279	1 036 279	0	0	0	0
<b>Total</b>	<b>7 144 279</b>	<b>3 536 279</b>	<b>3 608 000</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Gap</b>	<b>511 807</b>	<b>-3 205 177</b>	<b>3 716 984</b>	<b>0</b>	<b>0</b>	<b>0</b>
Financial derivatives	0	0	0	0	0	0
<b>Net gap</b>	<b>511 807</b>	<b>-3 205 177</b>	<b>3 716 984</b>	<b>0</b>	<b>0</b>	<b>0</b>

**NOTE 13** Market risk - cont.**Repricing dates for interest-bearing assets and liabilities as at 31 December 2017**

NOK THOUSANDS	Total Principal	Up to 1 mth	From 1 mths to 3 mths	From 3 mths to 12 mths	From 1 year to 5 years	Over 5 years
Lending	5 049 999	0	5 049 999	0	0	0
Securities	5 000	0	5 000	0	0	0
Cash and receivables from credit institutions	123 488	123 488	0	0	0	0
<b>Total</b>	<b>5 178 487</b>	<b>123 488</b>	<b>5 054 999</b>	<b>0</b>	<b>0</b>	<b>0</b>
Liabilities created on issuance of securities	4 300 000	2 500 000	1 800 000	0	0	0
Liabilities to financial institutions	500 000	500 000	0	0	0	0
<b>Total</b>	<b>4 800 000</b>	<b>3 000 000</b>	<b>1 800 000</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Gap</b>	<b>378 487</b>	<b>-2 876 512</b>	<b>3 254 999</b>	<b>0</b>	<b>0</b>	<b>0</b>
Financial derivatives	0	0	0	0	0	0
<b>Net gap</b>	<b>378 487</b>	<b>-2 876 512</b>	<b>3 254 999</b>	<b>0</b>	<b>0</b>	<b>0</b>

The Company's interest rate sensitivity as at 31 December 2018 (2017), measured as value change in the event of one percentage point change in all interest rates, was NOK 1.2 million (1.8 million).

**NOTE 14** Liquidity risk

Liquidity risk means the risk that the Company does not manage to meet its obligations and/or finance increases in its assets without substantial additional costs arising in the form of price falls in assets that must be realized, or in the form of more costly financing.

**14.1 MANAGEMENT OF LIQUIDITY RISK**

The management of KLP Boligkredit's liquidity risk must be viewed in the context of the management of the liquidity risk in the KLP Banken Group. A liquidity

policy is established for the Group containing principles, guidelines, requirements and limits that apply to the management of the liquidity risk. The policy states that the Group is to have a moderate liquidity risk profile and various requirements and limits have been set to achieve this, including targets for deposit cover, limits for refinancing requirements for various time periods and requirements for liquidity buffers. The Board has further adopted an emergency plan for liquidity crises as part of the liquidity policy. In addition to the

requirements at Group level, separate specific requirements have been established for KLP Boligkredit, including requirements for continually positive cash flows, limits for refinancing requirements and requirements for liquidity reserves and drawing rights. The operational responsibility for managing the Company's liquidity risk lies with the Finance Department. The Risk Analysis and Control Department reports the Company's actual exposure in relation to limits in accordance with guidelines set by the Board.

**NOTE 14** Liquidity risk - cont.**14.2 MATURITY ANALYSIS**

The tables below show the maturity analysis of the Company's assets and liabilities including stipulated interest rates.

**LIQUIDITY RISK KLP BOLIGKREDITT AS****Maturity analysis for assets and liabilities as at 31 December 2018**

NOK THOUSANDS	Total	Undefined	Up to 1 mth	From 1 mths to 3 mths	From 3 mths to 12 mths	From 1 year to 5 years	Over 5 years
Lending	9 198 443	0	37 508	76 065	346 690	1 867 733	6 870 446
Securities	298 179	0	694	2 422	6 563	288 501	0
Receivables from credit institutions	148 414	0	148 414	0	0	0	0
<b>Total</b>	<b>9 645 036</b>	<b>0</b>	<b>186 615</b>	<b>78 487</b>	<b>353 253</b>	<b>2 156 234</b>	<b>6 870 446</b>
Liabilities created on issuance of securities	6 380 013	0	10 657	14 052	480 317	5 874 987	0
Financial derivatives	0	0	0	0	0	0	0
Liabilities to credit institutions	1 066 692	0	1 273	2 514	11 716	1 051 190	0
<b>Total</b>	<b>7 446 705</b>	<b>0</b>	<b>11 929</b>	<b>16 565</b>	<b>492 033</b>	<b>6 926 177</b>	<b>0</b>
<b>NET CASH FLOW</b>	<b>2 198 331</b>	<b>0</b>	<b>174 685</b>	<b>61 922</b>	<b>-138 780</b>	<b>-4 769 943</b>	<b>6 870 446</b>

**Maturity analysis for assets and liabilities as at 31 December 2017**

NOK THOUSANDS	Total	Undefined	Up to 1 mth	From 1 mths to 3 mths	From 3 mths to 12 mths	From 1 year to 5 years	Over 5 years
Lending	6 470 076	0	26 557	54 615	247 270	1 333 035	4 808 599
Securities	5 069	0	0	2 009	26	3 034	0
Receivables from credit institutions	123 488	0	123 488	0	0	0	0
<b>Total</b>	<b>6 598 633</b>	<b>0</b>	<b>150 045</b>	<b>56 624</b>	<b>247 296</b>	<b>1 336 069</b>	<b>4 808 599</b>
Liabilities created on issuance of securities	4 472 168	0	9 059	4 870	41 480	4 416 759	0
Financial derivatives	0	0	0	0	0	0	0
Liabilities to credit institutions	508 922	0	649	1 196	5 576	501 501	0
<b>Total</b>	<b>4 981 090</b>	<b>0</b>	<b>9 708</b>	<b>6 066</b>	<b>47 056</b>	<b>4 918 260</b>	<b>0</b>
<b>NET CASH FLOW</b>	<b>1 617 543</b>	<b>0</b>	<b>140 337</b>	<b>50 558</b>	<b>200 240</b>	<b>-3 582 191</b>	<b>4 808 599</b>

A 24-month internal loan of NOK 1 036 million has been provided from KLP Banken AS to KLP Boligkreditt AS, which is defined as Liabilities to credit institutions. This loan is rolled over yearly and the interest rate is set each month.

**NOTE 15** Loan loss provision

The new accounting standard IFRS 9 has changed the methodology for provisions for losses on financial instruments in the accounts. The measurement of the provision for expected credit losses on financial assets depends on whether the credit risk has increased significantly since initial recognition. At initial recognition and if the credit risk has not increased significantly, the provision should equal 12-month expected credit losses (stage 1). If the credit risk has increased significantly from the initial recognition (stage 2) or if the asset is classified as impaired (stage 3), the provision should equal lifetime expected credit losses.

Expected credit loss (ECL) is calculated as the exposure at default (EAD) multiplied by the probability of default (PD) multiplied by the loss given default (LGD).

In KLP Boligkreditt AS, the assessment of what is considered to be a significant change in credit risk for home mortgage loans is based on a combination of quantitative and qualitative indicators and 'backstops'. The most important driver for a significant change in credit risk for home mortgage loan is a change in the probability of default (PD) from the initial recognition up to the reporting date. A relative change in 12 month PD of more than 2.5 is considered a significant change in credit risk. In addition, the change in 12 month PD must also be at least 0.6 percentage points for the change to be considered significant. Exposures that are more than 30 days past due will automatically be placed in Stage 2, and exposures more than 90 days past due will be placed in Stage 3. The loans go back to Stage 2 and Stage 1 when the criteria for significant change in credit risk and default are no longer fulfilled.

Default is defined as "a payment that is more than 90 days past due, or an account that is continuously overdrawn for at least 90 days (by at least NOK 500)".

**FOLLOW-UP OF DEFAULTED AND DOUBTFUL COMMITMENTS**

Mortgages in arrears are handled by a special commitments department in the bank KLP Banken Group currently uses its own collection process up to and including legally enforced recovery and execution of sale/compulsory sale. If a repayment agreement is not reached, any residual debt after realisation of the collateral is transferred to a collection agency for further follow-up.

**Individual loss write-downs**

Mortgages over 90 days past due are reviewed and followed up regularly. In addition, exposures are also reviewed when the bank receives information about debt negotiations or other conditions that would indicate increased risk. A loss assessment is carried out for all such exposures. The collateral is assessed on the basis of previously determined value, in addition to new information about the bank's collateral in the case, for example from a broker if a sales/compulsory sale has already been initiated. If the realisation value proves to be lower than the residual debt of the commitment, a loss write-down of the exposure is carried out.

Exposures with individual loss write-downs are followed up with a view to the realisation of the collateral. This can be undertaken by agreement on an ordinary sale or legally by means of a compulsory sale. In some cases, a payment agreement to repay the full amount of residual debt is reached. In these cases, the loss write-down will be maintained for a minimum of 1 year after the loan has been satisfactorily served, before the commitment is considered cured.

**Determination of loss**

For mortgages, the determination of loss will only occur after the security has been realised and further legal proceedings have not succeeded, that is after an application for distraint has not yielded a result. The case is then

monitored by a debt collection agency and followed up on a regular basis.

**DESCRIPTION OF INPUTS, ASSUMPTIONS AND ESTIMATION TECHNIQUES IN THE MODEL FOR EXPECTED LOSSES (ECL MODEL)**

In connection with the transition to IFRS 9 and new methods for loss calculation, KLP Banken has developed PD and LGD models for the bank's/group's mortgage loan portfolio. A PD model has been developed for new mortgage customers and a PD model for existing mortgage customers. The first model uses data that is available at the time of application and is valid for 3 months after the mortgage is granted. The second model begins after 3 months, and also uses data that depends on the customer's behaviour (for example the number of days in arrears). Explanatory variables are age, income, number of reminder sent in the last 12 months, total number of days in arrears in the last 12 months, loan-to-value ratio, co-borrower, default in the last 12 months and product type.

Logistical regression was used to create the PD model. This method is considered an industry standard for PD models, it is easy to interpret and analyse the output from the model and it can provide high coefficient of determination given that certain assumptions are met. The method also makes it possible to combine pure quantitative analyses with expert assessments, which was useful when the data base was somewhat limited. A thorough manual analysis of a relatively small sample of potential variables (due to limited data basis) was carried out to arrive at an optimal combination of variables.

The most important measure for a PD model is the model's ability to discriminate, i.e. the ability to distinguish bad customers from good customers. The ability to discriminate is measured using ROC (Receiver Operating



**NOTE 15** Loan loss provision - cont.

Characteristic), which provides some information about the proportion of predictions that are correct. The model is recalibrated at least yearly and the coefficient values can then be updated and the updated prediction level adjusted.

*The lifetime probability of default (Lifetime PD)* is used for all mortgage loans in KLP Banken Groups excluding senior loans. The lifetime probability of default (LTPD) of an exposure is calculated based on aggregated figures for historically observed default rates for each year of all exposures and each exposure's probability of default 12 months after start. The results from model development show that the default rate increases slightly in year 2 before then decreasing, so that the PD in year 2 is higher than in year 1. This is in line with the expected result, since it is expected that it will take some time before a newly granted mortgage loan experiences problems. A customer will typically seek to avoid default on the mortgage loan, and will typically default on other debts before he goes into default on the mortgage loan. The reduction in PD after year 2 can be explained by a "survivalship effect", i.e. the contracts that have not defaulted in the first 2 years are typically of better credit quality, and as the loans are repaid the risk becomes lower. Experience from the industry is that contracts that have existed for a certain period of time con-

verge towards a stable observed default rate. For KLP Banken/Group's mortgage loan portfolio, 3 years has been set as the parameter for when the default level converges towards a long-term PD level. The long-term PD level is set at 0.3 per cent, which corresponds to the average PD for the best contracts in the portfolio.

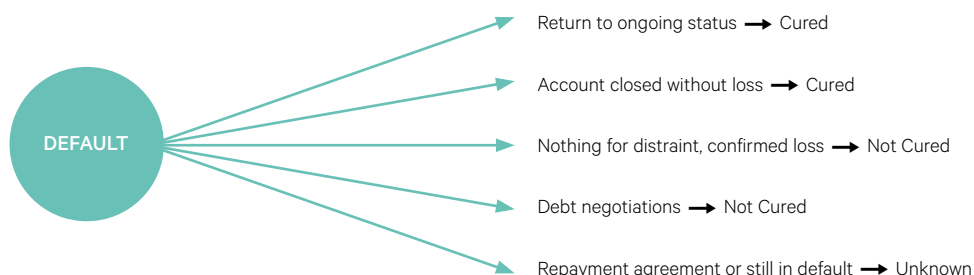
*Exposure at default (EAD)* is used for all mortgages in KLP Banken/Group excluding senior loans. The EAD model has the same data sample as the LTPD model. If an exposure is in default, the exposure's balance at the time will be the bank's/group's exposure exposure at default. EAD can be expressed for an exposure as a function of the likelihood that the contract will not be repaid within the time t. For repayment loans, EAD at time t is estimated as the exposure's balance at the time pursuant to the repayment schedule multiplied by the likelihood of the contract not being repaid within time t. The probability of a contract being terminated early within the year t is calculated as a percentage for each year in the future from 1 to 7 years.

**Loss given default (LGD)**

When estimating future credit loss it is important to look at the proportion of customers in default whose accounts become cured. The bank/group has examined at all historical defaults over 90 days and analysed the outcomes of

these defaults. The results of the analysis show a very high level of defaults becoming cured. The Company has, since its inception, handled defaults and debt collection internally within the bank/group, and has one dedicated employee who handles exposures in default. The cases are followed closely, and there has been a limited number of defaults since the bank's inception. The analysis shows that the bank has had minimal losses, and most defaults have been reported as cured.

Cured default is defined as the account returning to ongoing status (no longer 90 days past due/90 days in arrears over the bank's significant amount), or that the account is terminated without loss (typically through voluntary sale of collateral or refinancing in another bank). Non-cured default is defined as where the recovery process has resulted in the account having an established loss, or that an application for distraint has been made against the customer (forced sale of the property or recovery of guarantee). Customers with status "nothing for distraint" also belong in this category). If the customer has entered into debt negotiations, this is also defined as non-cured default. One last possibility is that we do not know the final outcome of the default due to a short time horizon between the default date and modelling date. The figure below illustrates the various outcomes for a default.



**NOTE 15** Loan loss provision - cont.

The observed cure rate is calculated and validated at least yearly in the same way as it during model development. If the observed cure rate deviates by more than 10 percentage points from the estimate used in the IFRS 9 model, an assessment shall be made of whether measures are needed, e.g. a re-estimation of the model.

**Forward-looking information**

A part of the assessment of future losses is the assessment of how the future will look with regard to the macroeconomic

conditions that affect the bank's credit losses, e.g. interest rates, housing prices, unemployment rates etc. To calculate the expected credit loss (ECL), the bank has assumed three different scenarios, which are weighted for probability based on an assessment of the probability of each of the three outlined scenarios occurring. The scenarios used by the bank are one expected outcome, one pessimistic outcome and one optimistic outcome for expected credit loss, where the three scenarios have a factor for outcome and a probability that the scenario

occurs. The sum of the weighted scenarios constitutes the expected credit loss, and the probability that each scenario will occur will thus affect the expected credit loss. In the negative scenario, a house price fall of 30 per cent and an increase in average PD of 165 per cent are assumed KLP Banken's risk forum assesses these scenarios and their weighting on a quarterly basis, based on changes in macroeconomic factors or other factors that may affect expected credit loss in the bank.

**KLP BOLIGKREDITT AS**

NOK THOUSANDS	12 months ECL Stage 1	Lifetime ECL (not credit impaired) Stage 2	Lifetime ECL (credit impaired) Stage 3	Total
<b>EXPECTED CREDIT LOSS (ECL) - LOANS TO CUSTOMERS, AMORTIZED COST</b>				
Opening balance ECL 01.01.2018	0	0	0	0
Transfer to Stage 1	0	0	0	0
Transfer to Stage 2	0	0	0	0
Transfer to Stage 3	0	0	0	0
Net changes	1	0	0	1
New losses	6	0	0	6
Write-offs	0	0	0	0
<b>Closing balance ECL 31.12.2018</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>
Changes (01.01.2018 - 31.12.2018)	6	0	0	6
<b>LOSSES ON LENDING AND RECEIVABLES FROM CUSTOMERS RATED AT AMORTISED COST</b>				
Gross lending 01.01.2018	5 049 999	0	0	5 049 999
Transfer to Stage 1	0	0	0	0
Transfer to Stage 2	-8 494	8 494	0	0
Transfer to Stage 3	0	0	0	0
Net change	-202 341	-145	0	-202 486
New lending	3 750 450	7 538	0	3 757 988
Write-offs	-1 378 481	0	0	-1 378 481
<b>Gross lending 31.12.2018</b>	<b>7 211 133</b>	<b>15 887</b>	<b>0</b>	<b>7 227 020</b>

Accrued interest is not included in the book value.

**NOTE 16** Salary and obligations to senior management

2018 NOK THOUSANDS	Paid from KLP Boligkreditt AS						Paid from another company in the same group					
	Salaries, fees etc.	Other benefits	Annual pension accumulation	Loans	Interest rate as at 31.12.2018	Repayment plan <sup>1</sup>	Salaries, fees etc.	Other benefits	Annual pension accumulation	Loans	Interest rate as at 31.12.2018	Repayment plan <sup>1</sup>
<b>SENIOR EMPLOYEES</b>												
Christopher A. Steen, Managing Director	-	-	-	2 002	2,30	A36	1 256	62	227	-	-	-
<b>BOARD OF DIRECTORS</b>												
Sverre Thornes, Chair	-	-	-	11 939	2,30-2,40	A45	4 016	201	1 496	-	-	-
Aage E. Schaanning	-	-	-	-	-	-	3 498	163	1 255	5 779	2,30	HC
Marit Barosen	87	-	-	-	-	-	-	-	-	-	-	-
Ingrid Aune	23	-	-	-	-	-	138	-	-	-	-	-
<b>EMPLOYEES</b>												
Total loan for employees of KLP Boligkreditt	-	-	-	2 002	-	-	-	-	-	-	-	-

2017 NOK THOUSANDS	Paid from KLP Boligkreditt AS						Paid from another company in the same group					
	Salaries, fees etc.	Other benefits	Annual pension accumulation	Loans	Interest rate as at 31.12.2017	Repayment plan <sup>1</sup>	Salaries, fees etc.	Other benefits	Annual pension accumulation	Loans	Interest rate as at 31.12.2017	Repayment plan <sup>1</sup>
<b>SENIOR EMPLOYEES</b>												
Christopher A. Steen, Managing Director	-	-	-	182	2,35	A31	1 221	28	221	6 176	2,10-2,35	A42/A44
<b>BOARD OF DIRECTORS</b>												
Sverre Thornes, Chair	-	-	-	9 515	2,10	A45	3 900	205	1 457	4 041	2,35	A47
Aage E. Schaanning	-	-	-	-	-	-	3 413	167	1 223	5 991	2,10	HC
Marit Barosen	79	-	-	-	-	-	-	-	-	-	-	-
Ingrid Aune	11	-	-	-	-	-	68	-	-	-	-	-
Eva M. Salvesen	16	-	-	-	-	-	66	-	-	-	-	-
<b>EMPLOYEES</b>												
Total loan for employees of KLP Boligkreditt	-	-	-	182	-	-	-	-	-	6 176	-	-

<sup>1</sup> A=Annuity loan, last payment, HC = Housing Credit.

**NOTE 16** Salary and obligations to senior management - cont.

The KLP Board of Directors has laid down principles and guidelines for remuneration that apply for the entire Group and set up a remuneration committee as a subcommittee of the Board. The committee reports on and carries out checks that the remuneration schemes in the Group are in line with the Board's principles and guidelines.

The Managing Director receives no remuneration or pension accumulation from KLP Boligkreditt AS. The incumbent receives all benefits from the parent company, KLP Banken AS, where he holds the position of

Head of Finance KLP Boligkreditt refunds the portion of the benefits that can be linked to the role as Managing Director. There is no agreement on performance pay or special consideration on termination or change in employment contract. The pensionable age is 70 years.

There are no obligations to provide the Chair of the Board of Directors special consideration or other benefits on termination or change in employment contract or appointment.

Directors' fees are set by the General Assembly. Board members employed in the KLP Group, not having been elected

by and from the employees, do not receive a fee for the Board appointment. Benefits in addition to Directors' fees for Board members employed in the KLP Group are stated only if they are included in the senior management group employed in the KLP Group. This also applies to any loans they may have with the Group.

All benefits are shown without the addition of social security costs.

Attention is drawn otherwise to the description of the main principles on determination of remuneration in the KLP Group that may be found at [klp.no](#).

**NOTE 17** Liabilities to credit institutions

31.12.2018 NOK THOUSANDS	Currency	Interest	Due date	Nominal	Accrued interest	Book value
Debt to KLP Banken AS	NOK	Fixed	15/12/2020	600 000	370	600 370
Debt to KLP Banken AS	NOK	Fixed	15/12/2020	130 000	75	130 075
Debt to KLP Banken AS	NOK	Fixed	15/12/2020	203 117	125	203 242
Debt to KLP Banken AS	NOK	Fixed	15/12/2020	103 162	64	103 226
<b>Total liabilities to credit institutions</b>				<b>1 036 279</b>	<b>634</b>	<b>1 036 913</b>
<b>Interest rate on debt to credit institutions at the reporting date</b>						<b>1.40 %</b>

The interest rate is calculated as a weighted average of the act/360 basis.

31.12.2017 NOK THOUSANDS	Currency	Interest	Due date	Nominal	Accrued interest	Book value
Debt to KLP Banken AS	NOK	Fixed	15.03.2019	500 000	345	500 345
<b>Total liabilities to credit institutions</b>				<b>500 000</b>	<b>345</b>	<b>500 345</b>
<b>Interest rate on debt to credit institutions at the reporting date</b>						<b>1.46 %</b>

The interest rate is calculated as a weighted average of the act/360 basis.

**NOTE 18** Securities liabilities - stock exchange listed covered bonds

NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
Bonds, nominal value	6 908 000	4 300 000
Revaluations	-5 897	-11 071
Accrued interest	14 010	9 515
Own funds, nominal value	-800 000	0
<b>Total liabilities created on issuance of securities</b>	<b>6 116 113</b>	<b>4 298 444</b>
<b>Interest rate on borrowings through the issuance of securities at the reporting date.</b>	<b>1.66 %</b>	<b>1.36 %</b>

The interest rate is calculated as a weighted average of the act/360 basis. It includes interest rate effects and amortization costs.

NOK THOUSANDS	Balance 31.12.2017	Issued	Fallen due/ redeemed repurchased	Other changes	Balance 31.12.2018
<b>CHANGE IN LIABILITIES CREATED ON ISSUANCE OF SECURITIES</b>					
Bonds, nominal value	4 300 000	2 800 000	-192 000	0	6 908 000
Revaluations	-11 071	0	0	5 174	-5 897
Accrued interest	9 515	0	0	4 495	14 010
Own funds, nominal value	0	0	-800 000	0	-800 000
<b>Total liabilities created on issuance of securities</b>	<b>4 298 444</b>	<b>2 800 000</b>	<b>-992 000</b>	<b>9 669</b>	<b>6 116 113</b>

**NOTE 19** Over-collateralisation

NOK THOUSANDS	Fair value 31.12.2018	Fair value 31.12.2017
<b>SECURITY POOL</b>		
Loans to customers <sup>1</sup>	7 141 124	5 052 728
Additional collateral <sup>2</sup>	1 178 939	123 488
<b>Total security pool</b>	<b>8 320 064</b>	<b>5 176 217</b>
Outstanding covered bonds incl. own funds and premium/discount	6 926 430	4 328 684
<b>Coverage of the security pool</b>	<b>120.1 %</b>	<b>119.6 %</b>

Section 11-7 of the Regulations on Financial Institutions lays down a requirement for over-collateralisation by at least 2 per cent of the value of the outstanding covered bonds.

<sup>1</sup> Excluding mortgage loans that do not qualify for security pool.

<sup>2</sup> Additional collateral includes loans to and receivables from credit institutions and bonds and certificates. Liquid assets used in the LCR liquidity reserve are not included in additional collateral.

**NOTE 20** Capital adequacy

NOK THOUSANDS	31.12.2018	31.12.2017	
Share capital and share premium	490 463	370 463	
Other owners' equity	17 567	11 097	
<b>Total owners' equity</b>	<b>508 030</b>	<b>381 560</b>	
Adjustments due to requirements for proper valuation	-288	-5	
Deferred tax assets	-1 874	-1 064	
<b>Core capital/Tier 1 capital</b>	<b>505 868</b>	<b>380 491</b>	
Supplementary capital/Tier 2 capital	0	0	
<b>Supplementary capital/Tier 2 capital</b>	<b>0</b>	<b>0</b>	
Total own funds (eligible Tier 1 and Tier 2 capital)	505 868	380 491	
Capital requirement	213 593	150 125	
<b>Surplus of own funds (eligible Tier 1 and Tier 2 capital)</b>	<b>292 275</b>	<b>230 366</b>	
<b>CALCULATION BASIS CREDIT RISK</b>			
Institutions	30 162	25 165	
Mortgage security in real estate	2 529 797	1 770 021	
Covered bonds	28 636	302	
<b>Calculation basis credit risk</b>	<b>2 588 595</b>	<b>1 795 488</b>	
Credit risk	207 088	143 639	
Operational risk	6 505	6 486	
<b>Total capital requirement assets</b>	<b>213 593</b>	<b>150 125</b>	
Core capital adequacy ratio	18.9 %	20.3 %	
Supplementary capital ratio	0.0 %	0.0 %	
<b>Capital adequacy ratio</b>	<b>18.9 %</b>	<b>20.3 %</b>	
<b>Unweighted Tier 1 capital</b>	<b>6.6 %</b>	<b>7.3 %</b>	
<b>CAPITAL REQUIREMENT AS AT 31.12.2018</b>			
	Core capital/ Tier 1 capital	Supplementary capital/Tier 2 capital	Own funds
Minimum requirement without buffers	4.5 %	3.5 %	8.0 %
Protective buffers	2.5 %	0.0 %	2.5 %
System risk buffers	3.0 %	0.0 %	3.0 %
Counter-cyclical buffers	2.0 %	0.0 %	2.0 %
<b>Applicable capital requirement incl. buffers</b>	<b>12.0 %</b>	<b>3.5 %</b>	<b>15.5 %</b>
<b>Capital requirement leverage ratio</b>	<b>3.0 %</b>	<b>0.0 %</b>	<b>3.0 %</b>

**NOTE 21 Tax**

NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
Accounting income before taxes	8 513	13 509
Reversal of value increase financial assets	481	35
Change in differences between book and taxable income	3 410	2 574
<b>Taxable income</b>	<b>12 404</b>	<b>16 117</b>
<b>DEFERRED TAX ASSET LINKED TO:</b>		
Financial instruments	-105	0
Amortization of premium fund, borrowing	-1 770	-1 065
<b>Total tax-reducing temporary differences</b>	<b>-1 874</b>	<b>-1 065</b>
<b>DEFERRED TAX LINKED TO:</b>		
Financial instruments	0	1
<b>Net deferred tax assets</b>	<b>0</b>	<b>1</b>
<b>Net deferred tax/tax assets</b>	<b>-1 874</b>	<b>-1 064</b>
<b>SUMMARY OF TAX EXPENSE FOR THE YEAR:</b>		
Change in deferred tax taken to income	-810	-580
Capitalized tax from Group contribution	2 853	3 868
<b>Total tax costs</b>	<b>2 043</b>	<b>3 288</b>
Effective tax rate	24.0 %	24.3 %
<b>RECONCILIATION OF TAX RATE:</b>		
Accounting income before taxes	8 513	13 509
Income tax expense, nominal tax rate	1 958	3 242
Income tax expense, effective tax rate	2 043	3 288
Difference between effective and nominal tax	<b>-85</b>	<b>-46</b>
Effect of change in tax rate on deferred tax	-85	-46
<b>Total</b>	<b>-85</b>	<b>-46</b>

**NOTE 22** Other liabilities and provision for accrued costs and liabilities

NOK THOUSANDS	31.12.2018	31.12.2017
Receivables between companies in the same Group	5 089	2 956
Creditors	29	0
Payable taxes	2 853	3 868
<b>Total other liabilities</b>	<b>7 971</b>	<b>6 824</b>
Value-added tax	0	223
Provisioned costs	0	309
<b>Total accrued costs and liabilities</b>	<b>0</b>	<b>532</b>

**NOTE 23** Number of FTEs and employees

KLP Boligkreditt AS has 1 employee, who receive no salary or other form of remuneration from the Company.  
KLP Boligkreditt AS buys personnel services from other companies in the KLP Group.



**NOTE 24** Transactions with related parties

NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
<b>INCOME STATEMENT ITEMS</b>		
KLP Banken AS, interest on borrowing	-10 471	-5 431
KLP Banken AS, administrative services (at cost)	-43 084	-31 178
KLP Kapitalforvaltning AS, fees for services provided	-40	-31
KLP Group companies, subsidised interest on staff loans	1 413	1 437
<b>Total</b>	<b>-52 182</b>	<b>-35 173</b>

NOK THOUSANDS	31.12.2018	31.12.2017
<b>FINANCIAL POSITION STATEMENT ITEMS</b>		
KLP Banken AS, debt to credit institutions	-1 036 913	-500 345
KLP Banken AS, loan settlement	2 166	538
Net outstanding accounts to:		
KLP Banken AS	-5 089	-2 956
KLP Group companies, net other internal accounts	225	392
Purchase of loans from KLP Banken AS	4 871 955	2 207 037
<b>Total</b>	<b>3 832 345</b>	<b>1 704 667</b>

There are no direct salary costs in KLP Boligkreditt AS. Personnel costs (administrative services) are allocated from KLP Banken AS.

Transactions with related parties are carried out on general market terms, with the exception of the Company's share of common functions, which is allocated at cost. Allocation is based on actual use. All internal receivables are settled as they arise.

**NOTE 25** Auditor's fee

NOK THOUSANDS	01.01.2018 -31.12.2018	01.01.2017 -31.12.2017
Ordinary audit	188	148
Certification services	159	94
Non-audit services	6	0
<b>Total auditor's fee</b>	<b>353</b>	<b>242</b>

The audit fee is expensed according to received invoice. The amounts above include VAT.

**NOTE 26** Other assets

NOK THOUSANDS	31.12.2018	31.12.2017
Receivables between Group companies	2 391	930
<b>Total other assets</b>	<b>2 391</b>	<b>930</b>

**NOTE 27** Cash and cash equivalents and other loans and receivables from credit institutions

NOK THOUSANDS	31.12.2018	31.12.2017
Bank deposits operations	140 521	116 006
Cash	0	0
<b>Total cash and cash equivalents (liquidity)</b>	<b>140 521</b>	<b>116 006</b>
Bank accounts to be used for the purchase and sale of securities	7 893	7 483
<b>Loans and receivables from credit institutions</b>	<b>148 414</b>	<b>123 488</b>



To the General Meeting of KLP Boligkreditt AS

## Independent auditor's report

### Report on the Audit of the Financial Statements

#### Opinion

We have audited the financial statements of KLP Boligkreditt AS, which comprise the balance sheet as at 31 December 2018, the income statement, statement of owners' equity and statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements are prepared in accordance with law and regulations and give a true and fair view of the financial position of the Company as at 31 December 2018, and its financial performance and its cash flows for the year then ended in accordance with International Financial Reporting Standards as adopted by EU.

#### Basis for Opinion

We conducted our audit in accordance with laws, regulations, and auditing standards and practices generally accepted in Norway, including International Standards on Auditing (ISAs). Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the Company as required by laws and regulations, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### Key Audit Matters

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the financial statements of the current period. These matters were addressed in the context of our audit of the financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

The mortgage company's business activities has in general been unchanged compared to the previous year. There has not been any regulatory changes, transactions or other events with material impact on the 2018 financial statements. *Loan to customers* and *IT systems supporting processes over financial reporting* are areas with the same characteristics and risks this year as last year, and these important areas of focus have been the same in 2018 as for 2017.

Key Audit Matter	How our audit addressed the Key Audit Matter
<i>Loan to customers</i>	
The mortgage company has loans to private individuals amounting to NOK 7.2	In order to comply with the requirements in the regulations applicable to covered bonds when granting

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bn that have collateral in real estate, and has issued covered bonds. Processes and controls have been established to ensure that the mortgage company complies with the requirements related to the collateral in real estate when covered bonds are issued. The requirements are that the value of the collateral at all times should amount to at least 102 percent of the value of the covered bonds. For loans included in the collateral, the loan-to-value ratio may not exceed 75 percent for mortgage loans secured in housing properties and 60 percent for mortgage loans secured in vacation properties.

Historically, the mortgage company has not realized limited loan losses. As the requirements and the processes and controls are of fundamental importance for the mortgage company's operations, limited losses and compliance with the regulations, we have focused on this subject.

loans, the mortgage company had established a process for reviewing the applications for loans and associated documentation. The process included formal controls and segregation of duties, which were directed at ensuring that the process had been carried out prior to granting or transfer of loans from other group companies to the mortgage company. Our audit was performed by obtaining documentation and examining whether the process was conducted appropriately and timely. This included assessing whether the underlying documentation collected by the mortgage company supported the conclusions drawn by the mortgage company that the requirements in legislation and regulations was met.

Our work gave us sufficient evidence to enable us to rely on the operation of the mortgage company's internal controls in the area of regulatory compliance relevant for our audit.

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*IT systems supporting processes over financial reporting*

Weaknesses in automated processes and controls can potentially lead to a significant risk in the daily operations and risk of misstatements. We have focused on this area because it is important for the mortgage company's financial reporting systems, and their business model is dependent on complex IT systems.

The mortgage company used external service providers to operate some of the important IT systems. The auditor at the relevant service organisation evaluated the design and efficiency of the established control systems, and tested the controls designed to ensure the integrity of the IT system that were relevant to financial reporting. We examined the reports and evaluated possible misstatement and improvements. Furthermore, we tested IT general controls where necessary for our audit. Our work gave us sufficient evidence to enable us to rely on the operation of the mortgage company's IT systems relevant for our audit.

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*Other information*

Management is responsible for the other information. The other information comprises information in the annual report, except the financial statements and our auditor's report thereon.

Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with

(2)



the financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

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*Responsibilities of the Board of Directors and the Managing Director for the Financial Statements*

The Board of Directors and the Managing Director (management) are responsible for the preparation in accordance with law and regulations, including fair presentation of the financial statements in accordance with International Financial Reporting Standards as adopted by the EU, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

(3)



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### *Auditor's Responsibilities for the Audit of the Financial Statements*

Our objectives are to obtain reasonable assurance about whether the 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 laws, regulations, and auditing standards and practices generally accepted in Norway, including ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with laws, regulations, and auditing standards and practices generally accepted in Norway, including ISAs, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

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

We communicate with the Board of Directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

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

(4)



From the matters communicated with the Board of Directors, we determine those matters that were of most significance in the audit of the financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

### *Report on Other Legal and Regulatory Requirements*

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#### *Opinion on the Board of Directors' report*

Based on our audit of the financial statements as described above, it is our opinion that the information presented in the Board of Directors' report and in the statements on Corporate Governance and Corporate Social Responsibility concerning the financial statements, the going concern assumption and the proposed allocation of the result is consistent with the financial statements and complies with the law and regulations.

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#### *Opinion on Registration and Documentation*

Based on our audit of the financial statements as described above, and control procedures we have considered necessary in accordance with the International Standard on Assurance Engagements (ISAE) 3000, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*, it is our opinion that management has fulfilled its duty to produce a proper and clearly set out registration and documentation of the Company's accounting information in accordance with the law and bookkeeping standards and practices generally accepted in Norway.

Oslo, 13 March 2019  
**PricewaterhouseCoopers AS**

Erik Andersen  
State Authorised Public Accountant

*Note: This translation from Norwegian has been prepared for information purposes only.*

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