

CREDIT OPINION

25 April 2018

Update

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RATINGS

OP Corporate Bank plc

Domicile	Finland
Long Term Debt	Aa3
Type	Senior Unsecured - Fgn Curr
Outlook	Stable
Long Term Deposit	Aa3
Type	LT Bank Deposits - Fgn Curr
Outlook	Stable

Please see the [ratings section](#) at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

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OP Financial Group

Credit Opinion Update

Summary

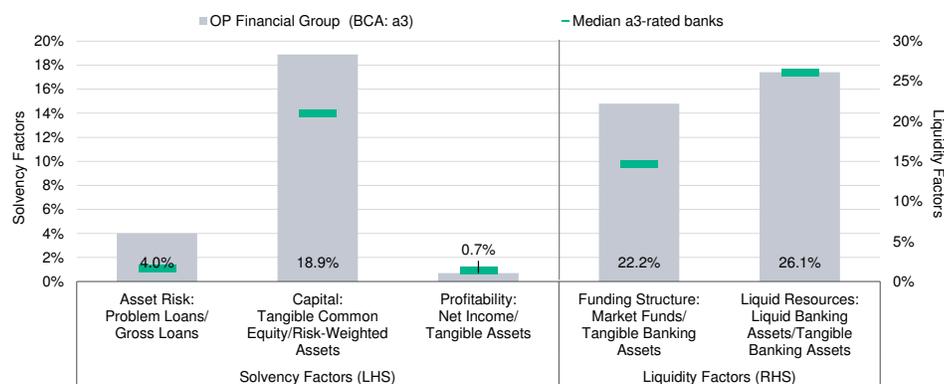
Moody's Aa3 rating on OP Corporate bank reflects its key role within the OP Financial Group (OPFG), which is an amalgamation of member banks, and credit institutions, who are all part of a joint liability. This credit opinion primarily reflects Moody's view on the creditworthiness of the OPFG, with OP Corporate bank being the issuing entity within the group and acting as the group's treasury.

OP Corporate Bank Plc's Aa3/Prime-1 deposit and senior unsecured debt ratings incorporate: (1) the bank's standalone baseline credit assessment (BCA) of baa2, (2) our assumption of affiliate support from the OPFG with a BCA of a3, indicating two notches uplift from the bank's BCA, (3) the results from our Advanced Loss Given Failure (LGF) analysis, which takes into account the severity of loss faced by the different liability classes in resolution, and indicating two notches of rating uplift for OP Corporate Bank's deposit and senior unsecured ratings, and (4) our assumption of moderate likelihood of support from the [Finnish Government](#) (Aa1, stable) in case of need, which results in one notch of additional uplift.

The group's BCA of a3 is supported by [Finland's Macro Profile of Strong+](#), and reflects its strong national franchise. The group's BCA of a3 is underpinned by its high capitalisation, stable profitability, and an improving funding profile as well as a loan portfolio with a high amount of forbearance.

Exhibit 1

Rating Scorecard - Key Financial Ratios



Source: Moody's Financial Metrics

The corporate bank's standalone assessment of baa2 reflects in stable asset quality, adequate capitalisation and stable profitability. The funding profile is characterised by its function as treasury for the group with substantial intragroup deposits.

Credit strengths

- » High capitalisation, with strong leverage ratio of the OPFG and good capital position of the bank.
- » The group is market leader within bank and insurance with successful cross-selling
- » The joint liability amongst member credit institutions
- » Sound profitability aided by business growth and stable costs

Credit challenges

- » Group wide asset quality expected to stabilise because of lower levels of forbearance
- » The group has a certain reliance on wholesale funding, although with extended maturity profile

Rating outlook

The outlooks on OPFG's ratings and OP Corporate Bank's issuer, deposit and senior unsecured ratings are stable. This reflects our expectation that the financial fundamentals of the Group and the bank will remain in line with the current ratings over the next 12 to 18 months.

Factors that could lead to an upgrade

An upgrade of OPFG's BCA would lead to increased uplift from affiliate support and thereby trigger an upgrade of OP Corporate bank's ratings, assuming that the liability structure of the group is unchanged. Upward pressure on the ratings could develop as a result of a combination of: (1) stronger profitability; (2) reduction in the overall wholesale funding dependence in favour for a higher proportion of deposit funding for the group and the bank; and a longer debt maturity profile for the bank; (4) the group needs to stabilise asset quality; and the bank needs to demonstrate a sustained reduction in sector concentration risks, particularly related to real estate, together with an upgrade of the group's BCA.

An upgrade of OP Corporate Bank's BCA on its own, would not automatically lead to an upgrade of the bank's ratings, but rather reduce the number of notchings from affiliate support as the BCAs of the bank and the group align.

Factors that could lead to a downgrade

A downgrade of OPFG's BCA would lead to a reduced uplift from affiliate support incorporated in the corporate bank's ratings. A smaller cushion of loss absorbing obligations, such as junior debt, senior debt, and junior deposits (on consolidated OPFG level) or less likely government support would also result in downward rating pressure.

Downward pressure could develop on OPFG's BCA if (1) the group's funding conditions were to deteriorate; (2) asset quality weakened beyond our current expectations; and/or (3) profitability were to deteriorate.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moody's.com for the most updated credit rating action information and rating history.

Key indicators

Exhibit 2

OP Corporate Bank plc (Consolidated Financials) [1]

	12-17 ²	12-16 ²	12-15 ²	12-14 ²	12-13 ³	CAGR/Avg. ⁴
Total Assets (EUR million)	61,322	58,186	55,520	45,111	40,664	10.8 ⁵
Total Assets (USD million)	73,635	61,372	60,311	54,587	56,033	7.1 ⁵
Tangible Common Equity (EUR million)	3,148	2,909	2,735	2,301	1,970	12.4 ⁵
Tangible Common Equity (USD million)	3,780	3,068	2,971	2,784	2,715	8.6 ⁵
Problem Loans / Gross Loans (%)	1.9	2.2	2.3	3.1	3.3	2.6 ⁶
Tangible Common Equity / Risk Weighted Assets (%)	13.7	13.2	12.8	10.5	12.3	12.6 ⁷
Problem Loans / (Tangible Common Equity + Loan Loss Reserve) (%)	11.4	13.1	13.6	19.3	22.2	15.9 ⁶
Net Interest Margin (%)	0.5	0.4	0.5	0.6	0.6	0.5 ⁶
PPI / Average RWA (%)	2.4	2.6	3.1	2.8	3.2	2.7 ⁷
Net Income / Tangible Assets (%)	0.7	0.7	0.9	1.1	1.1	0.9 ⁶
Cost / Income Ratio (%)	50.2	46.8	41.1	46.6	52.5	47.5 ⁶
Market Funds / Tangible Banking Assets (%)	52.3	54.5	48.4	58.9	59.3	54.7 ⁶
Liquid Banking Assets / Tangible Banking Assets (%)	62.5	62.3	61.8	55.0	54.2	59.2 ⁶
Gross Loans / Due to Customers (%)	108.0	117.1	99.3	137.8	145.0	121.4 ⁶

[1] All figures and ratios are adjusted using Moody's standard adjustments [2] Basel III - fully-loaded or transitional phase-in; IFRS [3] Basel II; IFRS [4] May include rounding differences due to scale of reported amounts [5] Compound Annual Growth Rate (%) based on time period presented for the latest accounting regime [6] Simple average of periods presented for the latest accounting regime. [7] Simple average of Basel III periods presented
Source: Moody's Financial Metrics

OP Financial Group (Consolidated Financials) [1]

	12-17 ²	12-16 ²	12-15 ²	12-14 ²	12-13 ³	CAGR/Avg. ⁴
Total Assets (EUR million)	134,185	129,013	121,066	104,887	97,893	8.2 ⁵
Total Assets (USD million)	161,129	136,077	131,513	126,919	134,891	4.5 ⁵
Tangible Common Equity (EUR million)	9,288	8,343	7,617	5,386	5,957	11.7 ⁵
Tangible Common Equity (USD million)	11,153	8,800	8,274	6,517	8,208	8.0 ⁵
Problem Loans / Gross Loans (%)	4.0	3.9	3.4	2.9	2.3	3.3 ⁶
Tangible Common Equity / Risk Weighted Assets (%)	18.9	18.9	18.2	12.7	14.4	17.2 ⁷
Problem Loans / (Tangible Common Equity + Loan Loss Reserve) (%)	34.1	34.7	31.3	35.2	24.8	32.0 ⁶
Net Interest Margin (%)	0.9	0.9	0.9	1.1	0.9	0.9 ⁶
PPI / Average RWA (%)	2.4	2.7	3.2	2.4	2.0	2.7 ⁷
Net Income / Tangible Assets (%)	0.7	0.7	0.8	0.7	0.7	0.7 ⁶
Cost / Income Ratio (%)	62.5	60.8	53.9	63.2	69.3	61.9 ⁶
Market Funds / Tangible Banking Assets (%)	22.2	24.6	23.8	26.8	24.7	24.4 ⁶
Liquid Banking Assets / Tangible Banking Assets (%)	26.1	25.7	27.0	15.6	13.8	21.6 ⁶
Gross Loans / Due to Customers (%)	126.2	131.7	130.0	139.1	136.7	132.7 ⁶

[1] All figures and ratios are adjusted using Moody's standard adjustments [2] Basel III - fully-loaded or transitional phase-in; IFRS [3] Basel II; IFRS [4] May include rounding differences due to scale of reported amounts [5] Compound Annual Growth Rate (%) based on time period presented for the latest accounting regime [6] Simple average of periods presented for the latest accounting regime. [7] Simple average of Basel III periods presented

Source: Moody's Financial Metrics

Profile

OP Financial Group is Finland's largest financial and insurance conglomerate that provides banking, non-life insurance and wealth management services to private individuals and corporate and institutional customers. The products and services offered by the group include retail banking, corporate and investment banking, asset management, and insurance products.

As of 31 December 2017, OPFG held Finnish market shares of [35.5% in terms of loans and 37% in terms of deposits](#). As of 31 December 2017, it operated mainly in Finland through a nationwide service network of 407 branches. As of the same date, the group reported a consolidated asset base of €137.2 billion.

The group originated in 1902 as the Central Lending Fund of the Cooperative Credit Societies Limited Company. In 1970, cooperative societies became cooperative banks. As of 31 December 2017, the OPFG comprised around 170 independent cooperative banks, their central management body (OP Cooperative, or "the Central Cooperative") and its subsidiaries. As of that date, the cooperative member banks reported 1.8 million owner-members. Each member is entitled to one vote.

OP Corporate Bank Plc (formerly, Pohjola Bank Plc) is part of the OPFG and in addition of conducting corporate lending, capital markets activities, and non-life insurance, it acts as the central treasury within the group and issuer of unsecured debt.

For further information on the bank's profile see [OPFG Key Facts and Statistics - H1 2017](#).

Detailed credit considerations

OP Financial Group benefits from a joint liability amongst member credit institutions

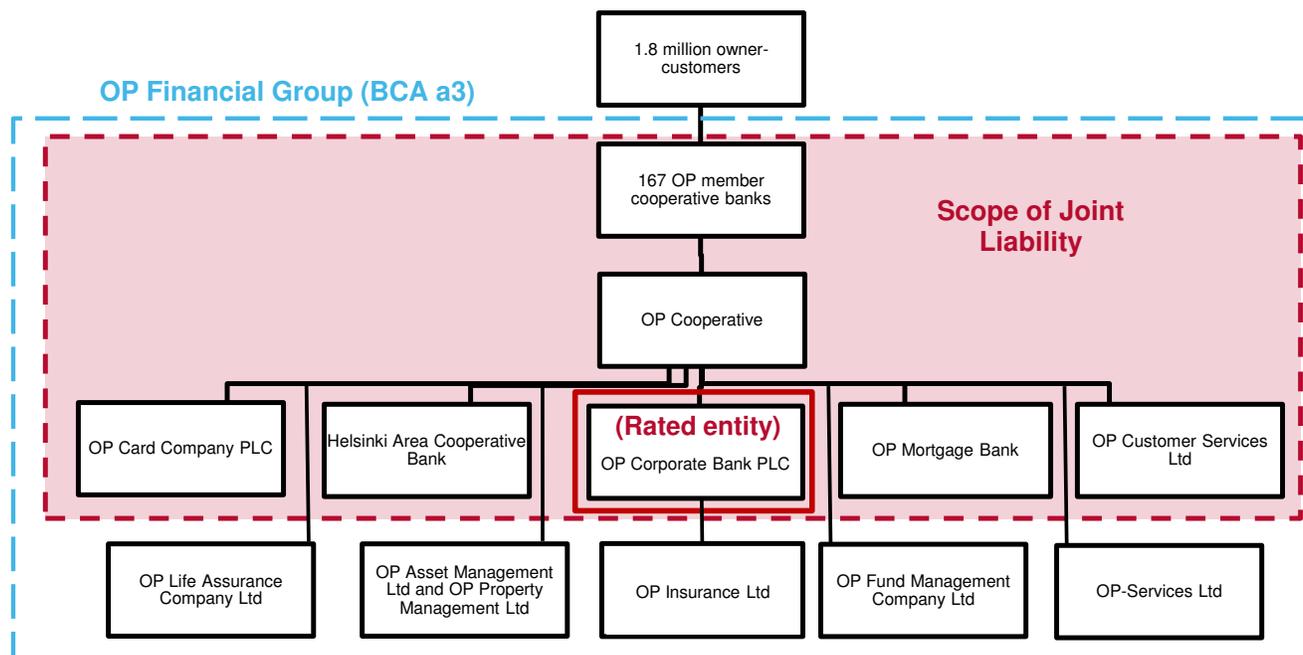
Under Finland's Cooperative Bank Act, the OP Cooperative, OP Corporate Bank, Helsinki Area Cooperative Bank, OP Card Company Plc, OP Mortgage Bank, OP Customer Services Ltd and the member cooperative banks (combined, the bulk of OPFG's member credit institutions excluding insurance companies and other Group entities) are jointly responsible for each other's liabilities. Creditors can claim payment from the central cooperative if any member institution is unable to pay. Each member institution has an unlimited obligation to pay the debts of the central cooperative if the latter is unable to do so independently.

OP Corporate Bank has a lesser role within the group since end of 2015 and this negatively impacts the bank's earnings. On 30 December 2015, OP Corporate Bank announced that it had executed its de-merger plan by which group treasury, corporate bank activities, equities and non-life insurance remained with OP Corporate Bank plc while all other operations, namely wealth management, card and property management operations were transferred to a newly-created company wholly-owned by OP Cooperative. In addition, OPFG is assessing whether the bank should continue to play the role of central treasury for the group or whether the treasury operations should be separated as a detached subsidiary, wholly owned by OP Cooperative (the central institution of OPFG). Since a more specific plan or schedule for the structural change of the non-life insurance segment (potentially transferring from OP Corporate Bank to the direct ownership of OP Cooperative) has not yet been decided, it is reported together with Banking and Other Operations in OP Corporate Bank's financial reporting.

As OP Corporate Bank and other member credit institutions of OPFG are responsible for each other's liabilities, as outlined in the Act on the Amalgamation of Deposit Banks, OP Corporate Bank can issue debt at more advantageous interest rates, a credit positive.

Exhibit 3

Structure of OP Financial Group and the scope of the joint liability.



Source: Company reports

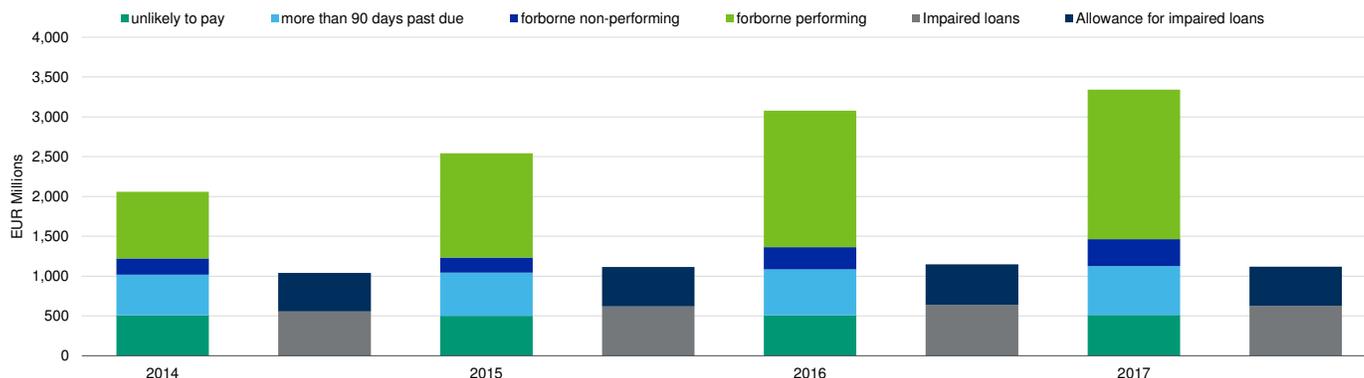
Asset quality in the group will stabilise after a few years of deterioration, but some sector concentration risks exist

We expect Finnish real GDP to grow at 2.8% in 2017 and 2.1% in 2018, compared to 1.9% in 2016, as the country has emerged from a multi-year recession which ended in 2015. We believe that the operating environment, with supportive investment and consumption, will help stabilise asset quality.

OPFG's problem loans (defined as defaulted loans, loans over 90 days overdue and all forbore credits) amounted to 4.0% of gross loans as of December-end 2017. This has increased from 3.9% in 2016, 3.4% in 2015, 2.9% in 2014, and 2.3% in 2013, primarily because of increased reporting of performing forbore loans (Exhibit 4). When extracting impaired exposures only, the ratio has been stable at 0.8% for a number of years. We attribute the increase in problem loans largely to a lag in reporting forbore loans according to the [EBA definitions](#), implemented in 2015. Finnish banks have also been granting generous amortisation holidays in an otherwise conservative amortisation culture as a competitive advantage. Longer term amortisation holidays would force the bank to report loans as forbore although the borrower is not necessarily more likely to default. Reporting of forbore loans between banks in the Nordics is not consistent and the larger share of performing forbore loans in OPFG's problem loans ratio compared with other banks indicates that asset risk is lower than the ratio suggests. We expect that performing forbore loans will gradually be reclassified as performing loans during the coming quarters, due to the 2 year probation period once classified as performing forbore loan. We thus expect OPFG's problem loans ratio to stabilise and begin falling in conjunction with the improving operating environment in Finland.

The Group has a relatively low level of loan loss coverage against weakening asset quality metrics with loan loss reserves over problem loans of 14.7% as of December 2017. Although, coverage for impaired loans is considerably higher at 78% as of the same date.

Exhibit 4

Problem loan increase is primarily due to increase in performing forbore loans

Source: Company reports

The group is exposed to concentration risks mainly owing to its large corporate lending book, which includes more volatile sectors. Exposure to the construction, real estate, and renting companies accounted for 35.3% of all corporate exposures as of December 2017, which is broadly in line with last year's contribution. As a mitigating factor, we note the group's conservative borrower concentration limits which are well below regulatory requirements that no single customer exceeds 10% of the group's capital base after allowances and other credit risk mitigation.

On a standalone basis, OP Corporate Bank has a track record of strong asset quality for a corporate bank: the impaired loan ratio was 1.1% at the end of 2017, slightly below 1.3% at the end of 2016, and 1.5% in 2015. If we take into account all doubtful receivables the problem loan ratio would be 1.9% at the end of 2017 from 2.2% at the end of 2016 and from 2.3% in 2015. The improvement between 2014-17 is primarily driven by loan book growth, although the stock of impaired loans has also seen a decline. The bank's asset quality is constrained by its high sector concentration and the most significant exposures included energy 13%, trade 12% and services 10% as of end of 2017. The bank's Asset Risk at baa2 score reflects the above-mentioned constraints.

High capitalisation, with strong leverage ratio of the OP Financial group and good capital position of the bank.

OPFG continues reporting strong capital ratios with reported Common Equity Tier 1 (CET1) and Total Capital ratios (TCR) of 20.1% and 22.5%, respectively, as of December-end 2017. The group's CET1 target for 2019 is to reach 22%. These levels compare well to the groups minimum requirement of 10.8% CET and 14.3% TCR. Additionally, the group has a strong leverage ratio relative to large Nordic peers, at 7.9%.

To meet the CET1 management target of 22%, and in order to build its capital base, the Group has been issuing profit shares. Contributions made by OP cooperative banks' owner-customers to the banks' Profit Shares and cooperative shares equalled to EUR 3.1 billion as of end - December 2017.

[The Finnish Financial Supervisory Authority issued a macroprudential decision on March 28, 2017](#), introducing a 15% risk weight on housing loans for banks that have adopted the Internal Ratings Based (IRB) Approach, which was implemented January 1 2018 (an increase from the initially announced level at 10%). However, [OP had already received information from the European Central Bank \(ECB\) on February 2, 2017](#) to raise risk weights on certain retail exposures for an 18 month period due to shortcomings in capital adequacy measurement (delayed validations). The impact of this was a 2.0% decline in the CET1 ratio at year-end 2017. We believe that OP's action would largely upfront the impact of the 15% floor introduced by the Finnish FSA.

We consider OP Corporate Bank to be well capitalised on a standalone basis as well. The bank reported a CET1 ratio of 16% at the end of 2017, while the target is 15%. The Total Capital ratio of the bank reached 21.5% at the end of 2017 a slight increase from 20.9% in 2016. On top of this, the bank aims to achieve a 22% return on economic capital (versus a 17.8% ratio during 2017). OP Corporate Bank is expected to maintain a 49.7% profits payout as dividends. The assigned score of baa1 reflects OP Corporate bank's capital position and recent trends.

Sound profitability within the group aided by business growth while costs expected to increase

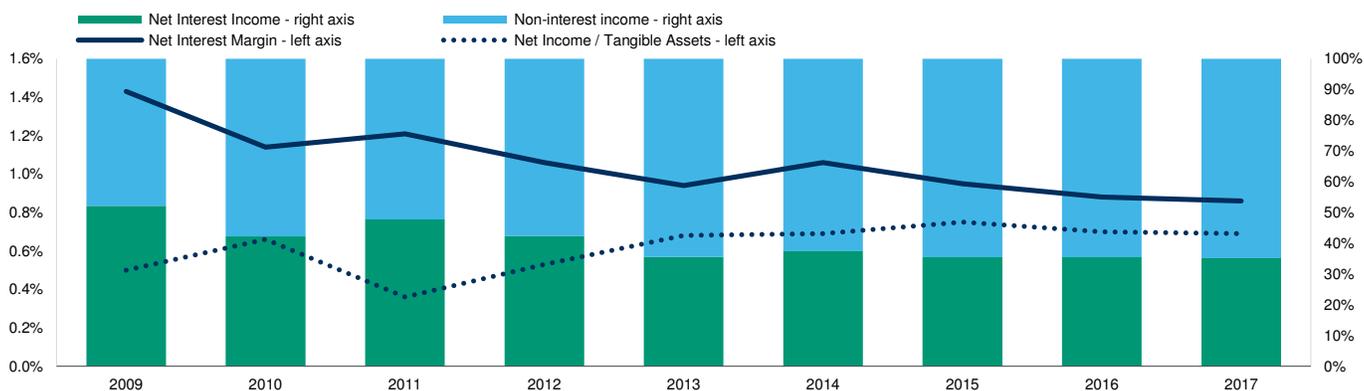
Despite the slow growth economic environment and unprecedented low interest rates, OPFG has a track record of consistent profitability. With the economy picking up in 2017 and 2018, OPFG is well positioned to increase its business volumes to largely offset increased costs due to investments in digitalisation, with annualised net income to tangible assets remain stable at 0.69% during 2017, compared to 0.70% during 2016.

We expect that the strategy of diversifying the bank's services and improving its IT platforms will involve significant spending, which will constrain improvement in the group's cost structure in the next two to three years, while on a longer-term, digitalisation investments will lead to efficiency gains. OPFG reported a EUR854 million net profit during 2017, decreased by 6.7% compared to same period in 2016, with over half of the reported pre-tax income (62%) being generated by the banking franchise. The decrease was due to higher depreciation and other expenses driven by the higher IT and system investment costs arising from the groups strategy implementation. At the same time reported net interest income increased by 3.4% and net insurance income decreased by 14.3% in 2017.

We recognise that OPFG has a well-diversified stream of income, and has successfully increased the contribution of non-interest income (mostly from its insurance operations) to the overall total income. As a result, the group has managed to keep the return on assets at a relatively stable level in recent years, despite the notable decline in margins (see Exhibit 4). For 2018 OPFG has announced it is probable that results will come in lower than in 2017 partly due to lower investment income while costs relating to development are increasing faster than anticipated.

Exhibit 5

Non-interest income is a large contributor for the total income of OP Group



Source: Bank reports, Moody's Investors Service

At the OP Corporate Bank's level we expect the profitability to remain strong, owing to the bank's corporate banking focus which is a higher return/risk business compared to household mortgage lending. During 2017, the net profit improved to EUR430 million (+7% year-on-year) mainly due to higher net investment income (+57% year-on-year increase to EUR389 million when compared to YE2016) resulted by increased gains from investment securities. Moreover, we recognise that the core revenues of the bank have increased, namely higher net interest income (+14% year-on-year to EUR259 million) but net insurance income declined (-14% year-on-year to EUR459 million). As a result, we calculate that the annualised return on average assets and return on average equity were 0.8% and 11.3%, respectively.

In absolute terms, OP Corporate Bank's profits decreased in the recent year as the wealth management and other businesses were transferred away from the bank at year-end 2015. Further decrease would be significant if non-life operations were eventually moved out of the bank, as they accounted for 36% of OP Corporate Bank's earnings before tax during 2017.

Our assigned Profitability score of baa2 reflects the bank's earnings volatility as a corporate bank and to the negative impact on bottom-line profitability as a result of the transfer of wealth management and other businesses away from the bank. The assigned score does not, however, incorporate the impact on the bank's profitability if non-life operations are also transferred.

High reliance on short-term wholesale funding, although mitigated by liquidity buffer

OP Corporate Bank currently has the role of central treasury for OPFG. Among other things, the bank is responsible for issuing senior unsecured debt and short-term debt as well as managing the group's liquidity buffer.

The bank and the group continue to be reliant on market funding, which expose them to swings in investor sentiment. Market funding of the group (including interbank) amounted to approximately 22% of tangible banking assets at end of December 2017, largely stable compared to 2015 and 2016. Covered bonds, which we deem a stable source of funding, issued via OP Mortgage Bank (a specialised group subsidiary), accounted for approximately 36% of all issued debt securities. We note positively that the proportion of long-term debt over market funds has increased over the last few years.

OPFG's liquidity buffer at market value and after collateral haircuts amounted to EUR22.7 billion at end of December 2017, which compares well to debt maturing in the remaining part of 2017 and 2018. We calculate that the liquid assets to tangible assets are 26.1% as of December 2017.

The corporate bank's market funds accounted for 52% of tangible banking assets at the end of 2017, just slightly below 55% at end-2016 and from 59% at end-2014. More than half of all liabilities were short term in nature, including borrowings from banks (29% of market fund), and commercial paper (22% of market funds). While reliance on market funding is usually considered a credit weakness, we note that OP Corporate bank's funding profile is geared toward supporting the group's liquidity, and that approximately half of borrowings from banks is excess liquidity from OPFG entities. We also note positively that the bank has taken steps to lengthen its debt maturity profile. However, the potential reorganisation of functions within OPFG could result in the bank losing its central treasury role, and may therefore change the bank's funding profile. A decision to strip OP Corporate Bank of its central treasury role has not been taken nor has another suitable entity been identified by the group.

On a standalone basis, the corporate bank maintains a large, high quality liquidity buffer, in accordance with its central treasury role. The buffer (at market value and after haircuts) amounted to EUR22.7 billion, or 72% of wholesale funds at the end of 2017. Most securities are eligible for Central Bank repo transactions, which gives the bank some flexibility in a currently unlikely stress scenario. The liquid assets as proportion of tangible assets ratio were 63% as of the same date.

The bank's funding and liquidity buffer is captured in the baa2 Combined Liquidity Score.

Support and structural considerations

Affiliate Support

We assess the probability of parental support from OPFG as very high based on the relationship between the two entities, the close brand association, and the existing joint liability.

This assessment leads to two notches of uplift from OP Corporate bank's baa2 BCA to an adjusted BCA of a3.

Loss Given Failure

Finland is subject to the EU Bank Recovery and Resolution Directive (BRRD), which we consider to be an Operational Resolution Regime. We assume residual tangible common equity of 3% and losses post-failure of 8% of tangible banking assets, a 25% runoff in "junior" wholesale deposits, a 5% run-off in preferred deposits, and assign a 25% probability to deposits being preferred to senior unsecured debt. In line with large European banks, we assume 26% of deposits are junior. These are in line with our standard assumptions.

Our advanced LGF analysis is based on the balance sheet of the entire OPFG (including OP Corporate Bank), because all member credit institutions in OPFG (excluding insurance companies and some other group companies) liable each other's obligations, in accordance with the Amalgamations Act.

This results in a Preliminary Rating Assessment (PRA) of a1 for the deposits and senior unsecured debt, two notches above the Adjusted BCA, reflecting a very low loss-given failure.

For junior securities issued by OP Corporate Bank, our advanced LGF analysis confirms a high loss-given failure, given the small volume of debt and limited protection from more subordinated instruments and residual equity. We also incorporate additional notching for junior subordinated and preference share instruments reflecting the coupon features.

Government Support

The implementation of an operational resolution regime in Finland has caused us to reconsider the potential for government support to benefit certain creditors. Following the introduction of BRRD, we believe the probability of government support for OP Corporate Bank's long-term and deposits ratings to be moderate, translating into one notch of uplift from its unsupported rating level, reflecting OP Corporate Bank's profile as one of the leading financial institutions in Finland. This results in one notch of uplift for the deposit and senior unsecured debt ratings to Aa3.

For other junior securities, we continue to assume that potential government support is low and as such these ratings do not include any related uplift. As a result, we assign a Baa1 rating for the bank's "plain vanilla" junior subordinated debt and Baa3(hyb) for the preference shares it is Baa3(hyb). The ratings are one and three notches, respectively below the bank's adjusted BCA of a3.

Counterparty Risk Assessment

CR Assessments are opinions of how counterparty obligations are likely to be treated if a bank fails and are distinct from debt and deposit ratings in that they (1) consider only the risk of default rather than both the likelihood of default and the expected financial loss suffered in the event of default and (2) apply to counterparty obligations and contractual commitments rather than debt or deposit instruments. The CR assessment is an opinion of the counterparty risk related to a bank's covered bonds, contractual performance obligations (servicing), derivatives (e.g., swaps), letters of credit, guarantees and liquidity facilities.

OP Financial Group's and OP Corporate Bank's CR Assessment ratings are positioned at Aa2(cr)/Prime-1(cr).

OPFG's and OP Corporate Bank's CR Assessment ratings are positioned at Aa2(cr)/Prime-1(cr). The CR Assessment ratings, prior to government support, are positioned three notches above the Adjusted BCA of a3, based on the substantial cushion against default provided to the senior obligations represented by the CR Assessment by subordinated instruments. The main difference with our Advanced LGF approach used to determine instrument ratings is that the CR Assessment captures the probability of default on certain senior obligations, rather than expected loss, therefore we focus purely on subordination and take no account of the volume of the instrument class.

Additionally, the CR Assessment benefits from one notch of systemic support, in line with our support assumptions on deposits and senior unsecured debt for OP Corporate Bank. This reflects our view that any support provided by governmental authorities to a bank which benefits senior unsecured debt or deposits is very likely to benefit operating activities and obligations reflected by the CR Assessment as well, consistent with our assumption that governments are likely to maintain such operations as a going-concern in order to reduce contagion and preserve a bank's critical functions.

About Moody's Bank Scorecard

Our Scorecard is designed to capture, express and explain in summary form our rating committee's judgment. When read in conjunction with our research, a fulsome presentation of our judgment is expressed. As a result, the output of our Scorecard may materially differ from that suggested by raw data alone (though it has been calibrated to avoid the frequent need for strong divergence). The Scorecard output and the individual scores are discussed in rating committees and may be adjusted up or down to reflect conditions specific to each rated entity.

Rating methodology and scorecard factors

Exhibit 6

OP Corporate Bank plc

Macro Factors

Weighted Macro Profile **Strong +** **100%**

Factor	Historic Ratio	Macro Adjusted Score	Credit Trend	Assigned Score	Key driver #1	Key driver #2
Solvency						
Asset Risk						
Problem Loans / Gross Loans	2.2%	a2	← →	baa2	Single name concentration	Sector concentration
Capital						
TCE / RWA	12.4%	a3	← →	baa1	Expected trend	
Profitability						
Net Income / Tangible Assets	0.8%	baa1	← →	baa2	Expected trend	
Combined Solvency Score		a3		baa2		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	54.5%	b3	← →	ba3	Market funding quality	
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	62.3%	aa2	← →	aa2	Quality of liquid assets	
Combined Liquidity Score		baa3		baa2		
Financial Profile						
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint:				Aa1		
Scorecard Calculated BCA range				baa1-baa3		
Assigned BCA				baa2		
Affiliate Support notching				--		
Adjusted BCA				a3		
Balance Sheet						
		in-scope (EUR million)	% in-scope	at-failure (EUR million)	% at-failure	
Other liabilities		43,187	36.2%	49,450	41.4%	
Deposits		61,405	51.5%	55,142	46.2%	
Preferred deposits		45,440	38.1%	43,168	36.2%	
Junior Deposits		15,965	13.4%	11,974	10.0%	
Senior unsecured bank debt		9,737	8.2%	9,737	8.2%	
Junior subordinated bank debt		1,424	1.2%	1,424	1.2%	
Equity		3,580	3.0%	3,580	3.0%	
Total Tangible Banking Assets		119,333	100%	119,333	100%	

Debt class	De Jure waterfall		De Facto waterfall		Notching		LGF Notching Guidance vs. Adjusted BCA	Assigned LGF notching	Additional notching	Preliminary Rating Assessment
	Instrument volume + subordination	Sub-ordination	Instrument volume + subordination	Sub-ordination	De Jure	De Facto				
Counterparty Risk Assessment	22.4%	22.4%	22.4%	22.4%	3	3	3	3	0	aa3 (cr)
Deposits	22.4%	4.2%	22.4%	12.4%	2	3	2	2	0	a1
Senior unsecured bank debt	22.4%	4.2%	12.4%	4.2%	2	1	2	2	0	a1
Dated subordinated bank debt	4.2%	4.2%	4.2%	4.2%	-1	-1	-1	-1	0	baa1
Non-cumulative bank preference shares	3.0%	3.0%	3.0%	3.0%	-1	-1	-1	-1	-2	baa3 (hyb)

Instrument class	Loss Given Failure notching	Additional Notching	Preliminary Rating Assessment	Government Support notching	Local Currency Rating	Foreign Currency Rating
Counterparty Risk Assessment	3	0	aa3 (cr)	1	Aa2 (cr)	--
Deposits	2	0	a1	1	Aa3	Aa3
Senior unsecured bank debt	2	0	a1	1	Aa3	Aa3
Dated subordinated bank debt	-1	0	baa1	0	Baa1	Baa1
Non-cumulative bank preference shares	-1	-2	baa3 (hyb)	0	Baa3 (hyb)	Baa3 (hyb)

Source: Moody's Financial Metrics

OP Financial Group

Macro Factors

Weighted Macro Profile Strong + 100%

Factor	Historic Ratio	Macro Adjusted Score	Credit Trend	Assigned Score	Key driver #1	Key driver #2
Solvency						
Asset Risk						
Problem Loans / Gross Loans	4.1%	baa1	← →	baa1	Sector concentration	
Capital						
TCE / RWA	17.8%	aa2	← →	aa2	Expected trend	
Profitability						
Net Income / Tangible Assets	0.7%	baa2	← →	baa2	Expected trend	
Combined Solvency Score		a2		a2		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	24.6%	baa1	← →	baa1	Extent of market funding reliance	
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	25.7%	a3	← →	a3	Stock of liquid assets	
Combined Liquidity Score		baa1		baa1		
Financial Profile				a3		
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint:				Aa1		
Scorecard Calculated BCA range				a2-baa1		
Assigned BCA				a3		
Affiliate Support notching				0		
Adjusted BCA				a3		

Balance Sheet	in-scope (EUR million)	% in-scope	at-failure (EUR million)	% at-failure						
Other liabilities	43,187	36.2%	49,450	41.4%						
Deposits	61,405	51.5%	55,142	46.2%						
Preferred deposits	45,440	38.1%	43,168	36.2%						
Junior Deposits	15,965	13.4%	11,974	10.0%						
Senior unsecured bank debt	9,737	8.2%	9,737	8.2%						
Junior subordinated bank debt	1,424	1.2%	1,424	1.2%						
Equity	3,580	3.0%	3,580	3.0%						
Total Tangible Banking Assets	119,333	100%	119,333	100%						
Debt class	De Jure waterfall	De Facto waterfall	Notching	LGF	Assigned	Additional	Preliminary			
	Instrument	Sub-	Instrument	De Jure	De Facto	Notching	LGF	Additional	Preliminary	
	volume +	ordination	volume +	De Jure	De Facto	Guidance	notching	notching	Rating	
	subordination	subordination	subordination			vs.			Assessment	
						Adjusted				
						BCA				
Counterparty Risk Assessment	22.4%	22.4%	22.4%	22.4%	3	3	3	3	0	aa3 (cr)
Instrument class	Loss Given	Additional	Preliminary Rating	Government	Local Currency	Foreign				
	Failure notching	Notching	Assessment	Support notching	Rating	Currency				
						Rating				
Counterparty Risk Assessment	3	0	aa3 (cr)	1	Aa2 (cr)	--				

Source: Moody's Financial Metrics

Ratings

Exhibit 8

Category	Moody's Rating
OP CORPORATE BANK PLC	
Outlook	Stable
Bank Deposits	Aa3/P-1
Baseline Credit Assessment	baa2
Adjusted Baseline Credit Assessment	a3
Counterparty Risk Assessment	Aa2(cr)/P-1(cr)
Issuer Rating	Aa3
Senior Unsecured	Aa3
Subordinate	Baa1
Pref. Stock Non-cumulative	Baa3 (hyb)
Commercial Paper -Dom Curr	P-1
Other Short Term -Dom Curr	(P)P-1
PARENT: OP FINANCIAL GROUP	
Outlook	Stable
Baseline Credit Assessment	a3
Adjusted Baseline Credit Assessment	a3
Counterparty Risk Assessment	Aa2(cr)/P-1(cr)
OP INSURANCE LTD	
Outlook	Stable
Insurance Financial Strength	A3

Source: Moody's Investors Service

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