

#### CREDIT OPINION

16 June 2017

## Update

#### Rate this Research



#### RATINGS

#### **Banque Cantonale Vaudoise**

Domicile	Switzerland
Long Term Debt	Not Assigned
Туре	Not Assigned
Outlook	Not Assigned
Long Term Deposit	Aa2
Туре	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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# Banque Cantonale Vaudoise

## Semiannual Update

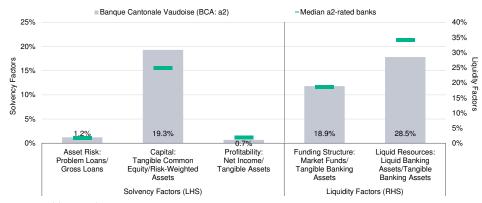
### **Summary Rating Rationale**

We assign Aa2/P-1 deposit ratings with stable outlook to Banque Cantonale Vaudoise (BCV). We also assign a a2 baseline credit assessment (BCA), an a2 Adjusted BCA and A1(cr)/P-1(cr) Counterparty Risk (CR) Assessments.

The Aa2 deposit rating reflects (1) the bank's a2 BCA and Adjusted BCA, (2) the result of our advanced Loss Given Failure (LGF) analysis, which takes into account the severity of loss faced by different liability classes in resolution, and which results in two notches of rating uplift for BCV's deposit rating, and (3) the "High" probability of BCV receiving (local) government support providing one notch of rating uplift to the bank's long-term ratings. The latest takes into account the majority ownership of the bank by the Canton of Vaud (unrated) and the bank's strong market position in the region.

The a2 BCA reflects (1) the bank's relatively low on-balance-sheet risks, despite displaying a high concentration in the dynamic Canton of Vaud region, including relatively large exposures to the region's real-estate markets; (2) BCV's strong capitalisation, measured by a tangible common equity/risk weighted assets of 19.3% and a CET1 ratio of 16.8% as of yearend 2016 (3) its strong profitability; and (4) a sound liquidity profile. The BCA reflects a slight upward trend in its market-funding dependence, though the high volume of liquid assets available mitigates potential funding risk.

Exhibit 1 Rating Scorecard - Key Financial Ratios



Source: Moody's Financial Metrics

## **Credit Strengths**

- » Strong capital adequacy ratios
- » Above-average profitability and efficiency metrics continue despite challenging market environment
- » Stable deposit base and low market sensitivity safeguard BCV's sound funding and liquidity profile

### **Credit Challenges**

- » Real estate loan book growth slowed down, but the mortgage loan book remains key asset risk in a real estate market with elevated price levels
- » BCV's capital generation capacity is limited by its very high payout ratio on profits
- » Interest and market environment for Swiss banks remains challenging

### **Rating Outlook**

The outlook for BCV's ratings is stable, as we do not expect any material change regarding the bank's credit fundamentals, a downturn in the Swiss real-estate market nor a change in the bank's ownership over the next 12-18 months.

### Factors that Could Lead to an Upgrade

- » BCV's deposit ratings could be upgraded if (1) stronger fundamentals justify an upgrade of the BCA and/or (2) the volume of senior unsecured debt and/or further subordinated instrument increases, which could lead to additional rating uplift, as assessed in our advanced LGF analysis; provided that our government support assumptions remain unchanged. The latest takes into account the Canton of Vaud's long-standing majority ownership, albeit without an explicit statutory guarantee, and the canton's creditworthiness.
- » Upward pressure on the bank's BCA could result from a combination of: (1) the bank further continuing to improve profitability as well as its efficiency metrics; (2) improving its sound capital adequacy metrics to provide better creditor protection; and (3) providing a stronger liquidity and funding profile.

## Factors that Could Lead to a Downgrade

- » BCV's long-term deposit ratings could be downgraded if (1) weaker fundamentals justify a downgrade of the BCA, and/or (2) the volume of deposits decreases, which could lead to lower rating uplift, as assessed in our advanced LGF analysis; provided that our government support assumptions remain unchanged. The latest takes into account the Canton of Vaud's long-standing majority ownership, albeit without an explicit statutory guarantee, and the canton's creditworthiness.
- » A substantial deterioration in the credit profile of the Canton of Vaud; and/ or an increased likelihood that the canton's stake in BCV (currently 67%) will fall below the 50.1% legal threshold could also lead to a downgrade of BCV's long-term deposit ratings.
- » Negative pressure on BCV's BCA could result from (1) a sustained and/or unexpected weakening of its recurring earnings power and levels of operating efficiency; (2) material asset-quality deterioration, especially if following a marked slowdown in the domestic real-estate market; and (3) a deterioration in the current strong funding situation that is evidenced by liquid resources significantly exceeding confidence sensitive market funding.

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.moodys.com for the most updated credit rating action information and rating history.

## **Key Indicators**

Exhibit 2
Banque Cantonale Vaudoise (Consolidated Financials) [1]

12-16 <sup>2</sup>	12-15 <sup>2</sup>	12-14 <sup>2</sup>	12-13 <sup>2</sup>	12-12 <sup>3</sup>	CAGR/Avg.4
44	43	42	40	40	2.7 <sup>5</sup>
41	40	35	33	33	5.8 <sup>5</sup>
43	43	42	45	43	0.0 <sup>5</sup>
3.4	3.4	3.3	3.3	3.3	1.0 <sup>5</sup>
3.2	3.1	2.8	2.7	2.7	4.0 <sup>5</sup>
3.3	3.4	3.3	3.7	3.6	-1.7 <sup>5</sup>
1.0	1.2	1.4	1.5	1.8	1.4 <sup>6</sup>
19.3	20.3	19.7	20.1	16.2	19.9 <sup>7</sup>
9.0	9.8	12.1	13.0	14.7	11.7 <sup>6</sup>
1.1	1.2	1.3	1.3	1.4	1.2 <sup>6</sup>
2.2	2.5	2.4	2.3	1.9	2.3 <sup>7</sup>
0.7	0.7	0.7	0.7	0.8	0.76
60.1	58.4	60.3	61.7	60.7	60.2 <sup>6</sup>
18.9	18.7	16.7	14.5	15.6	16.9 <sup>6</sup>
28.5	27.9	24.2	25.2	18.9	24.9 <sup>6</sup>
102.3	102.1	104.2	101.7	102.3	102.5 <sup>6</sup>
	44 41 43 3.4 3.2 3.3 1.0 19.3 9.0 1.1 2.2 0.7 60.1 18.9 28.5	44     43       41     40       43     43       3.4     3.4       3.2     3.1       3.3     3.4       1.0     1.2       19.3     20.3       9.0     9.8       1.1     1.2       2.2     2.5       0.7     0.7       60.1     58.4       18.9     18.7       28.5     27.9       102.3     102.1	44     43     42       41     40     35       43     43     42       3.4     3.4     3.3       3.2     3.1     2.8       3.3     3.4     3.3       1.0     1.2     1.4       19.3     20.3     19.7       9.0     9.8     12.1       1.1     1.2     1.3       2.2     2.5     2.4       0.7     0.7     0.7       60.1     58.4     60.3       18.9     18.7     16.7       28.5     27.9     24.2       102.3     102.1     104.2	44         43         42         40           41         40         35         33           43         43         42         45           3.4         3.4         3.3         3.3           3.2         3.1         2.8         2.7           3.3         3.4         3.3         3.7           1.0         1.2         1.4         1.5           19.3         20.3         19.7         20.1           9.0         9.8         12.1         13.0           1.1         1.2         1.3         1.3           2.2         2.5         2.4         2.3           0.7         0.7         0.7         0.7           60.1         58.4         60.3         61.7           18.9         18.7         16.7         14.5           28.5         27.9         24.2         25.2           102.3         102.1         104.2         101.7	44         43         42         40         40           41         40         35         33         33           43         43         42         45         43           3.4         3.4         3.3         3.3         3.3           3.2         3.1         2.8         2.7         2.7           3.3         3.4         3.3         3.7         3.6           1.0         1.2         1.4         1.5         1.8           19.3         20.3         19.7         20.1         16.2           9.0         9.8         12.1         13.0         14.7           1.1         1.2         1.3         1.3         1.4           2.2         2.5         2.4         2.3         1.9           0.7         0.7         0.7         0.7         0.8           60.1         58.4         60.3         61.7         60.7           18.9         18.7         16.7         14.5         15.6           28.5         27.9         24.2         25.2         18.9           102.3         102.1         104.2         101.7         102.3

[1] All figures and ratios are adjusted using Moody's standard adjustments [2] Basel III - fully-loaded or transitional phase-in; LOCAL GAAP [3] Basel II; LOCAL GAAP [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

### **Detailed Rating Considerations**

#### Improving asset quality, though regional concentrations remain

BCV's asset quality improved strongly in recent years, reflecting the bank's strong focus on credit risk and its conservative credit risk management. The problem loan ratio of 1.1% (according to Moody's definitions) as of year-end 2016 has declined since 2010. The average loan-to-value of BCV's real-estate loan exposures remained at around 50%, at the lower end compared with those of its closest peers of Swiss cantonal banks and we do not expect that BCV will be immediately affected by moderate negative price movements in the Vaud real-estate market.

BCV's loan book remains concentrated in the dynamic Vaud region, a region supported by strong demographic factors, however, constrained by a still elevated level of house prices. While we take account of the recent slowdown in real-estate prices and lower transaction volumes, the bank remains susceptible to shocks potentially emanating from the domestic real-estate market or during a prolonged period of weaker economic growth in Switzerland. This vulnerability may, in an adverse scenario, weaken the bank's sound capital buffers, despite the modest growth of BCV's mortgage loan book since 2013. We have reflected the geographical concentrations and the tail risks relating to the mortgage book by adjusting our Asset Risk Score to a2.

BCV is predominantly active in its Swiss home canton, aligning its Macro Profile with that of its home country. The very high degree of economic, institutional and government financial strength and very low susceptibility to event risk thus support the bank's BCA. Together with the relatively high and rising private sector debt that is well covered by private sector assets as well as funding conditions benefitting from a strong domestic deposit base and liquid covered bond and interbank markets, BCV's Macro Profile stands at Very Strong -.

#### Solid capital adequacy ratios a strong mitigant

As a Category 3 institution according to the FINMA definition, BCV must maintain an adequacy target with a (total) capital ratio of at least 12%. Since January 2016 and due to the low-yield environment, FINMA has temporarily increased the minimum capital target of BCV to 13% to take into account the bank's interest-rate-risk exposure. As of year-end 2016, BCV reported CET1 and total capital ratios of 16.8% and 16.9% slightly down from 17.6% and 17.7%, respectively, as of year-end 2015. The decrease in capital ratios is due to an increase in risk-weighted assets, as derived from the bank's models.

Though the bank uses an internal ratings based approach, a contrast to its peers amongst the regional and cantonal banks in Switzerland, the leverage ratio indicates, that the chosen model approach is conservative, not pushing risk weights to an excessively low level. BCV's leverage ratio slightly decreased to a still solid 6.6% in 2016 from 6.7% in 2015.

During 2017 and beyond, we expect that BCV will maintain its strong capital adequacy ratios - including strong leverage - and thus a meaningful buffer over and above its announced 13% long-term minimum CET1 capital ratio target despite high dividend payouts to its majority owner and shareholders that amounted to approximately 90% of net profits in recent years. The low (absolute) capital retention led to an adjustment of its Capital Score to aa3.

#### Above average profitability and efficiency metrics continue despite challenging market environment

BCV's profitability is strong relative to that of its regional peers in Switzerland. In our view, this profitability provides BCV with a substantial cushion against losses potentially arising from adverse developments. During 2016, BCV realised a net-income-to-tangible-assets ratio of 0.70% (0.71% during 2013-15 on average), a level significantly higher than its peers. We have reflected this relative strength in the bank's baa2 Profitability Score, one of the highest among its domestic peers.

BCV's profitability metrics will continue to display sound underlying performance thanks to the bank's comparatively diverse earnings split, thereby better protecting BCV's revenue base against adverse developments resulting from the low interest-rate environment than its Swiss peers. We further anticipate that risk costs will stay at a low level, supported by a continued benign credit environment.

However, for 2016, the bank reported a lower - though still solid - net income (Swiss GAAP) of CHF310 million down from CHF336 million one year earlier. The decrease is explained by (1) lower net interest income in a challenging prolonged low interest rate environment; (2) lower trading income comparing with the 2015 exceptionally high level; (3) lower fee and commission income and (4) lower extraordinary income after the sale of BCV's stake in Swisscanto (unrated) in 2015. The bank's operating expenses declined to CHF581 million as of year-end 2016, from CHF590 million in 2015. Good cost management further contributed to BCV's efficiency indicators. The bank's cost to income ratio of 60.0% as of year-end 2016 still compares favorably with its peers.

BCV's assets under management stood at CHF85.4 billion as of year-end 2016, down 3% compared with year-end 2015, primarily because of the effect of the Swisscanto sale. Net new money displayed a turnaround, with an inflow of onshore funds offsetting the outflow of offshore funds. The development reflects the continued focus of BCV's private banking franchise to onshore money and the adherent reduction of offshore money. In 2015, the bank was able to settle with the US authorities regarding its participation in the US Swiss Tax Program, paying CHF41.7 million in fines during H2 2015.

#### Stable deposit base and strong liquidity safeguard BCV's sound funding and liquidity profile

We expect that BCV will continue to benefit from a strong funding structure, though market funding is trending slightly upwards.

Our a3 Funding Structure score takes into account BCV's stable base of customer deposits, which rose to CHF29.2 billion as of year-end 2016 (66% of total assets). The bank's market funding increasingly consists of covered bonds (Pfandbriefe of CHF5.6 billion as of year-end 2016, up from CHF5.5 billion as of year-end 2015) and bonds (up at CHF0.7 billion as of year-end 2016, from CHF0.4 billion in 2015), slightly reducing potential interest rate risks for the bank given the more matched asset-liability profile.

The loan-to-deposit ratio of around 100% in recent years and sound liquidity management, supported by a liquid balance sheet with CHF7.5 billion of cash at year-end 2016 (up from CHF6.9 billion as of year-end 2015), and CHF4.6 billion of financial investments and interbank assets (CHF5.0 billion as of year-end 2015) mitigate potential funding risks. This is reflected in the bank's Liquidity Resources scores of a2.

## **Notching Considerations**

#### **Loss Given Failure**

BCV's is subject to Swiss banking regulation, which we consider an Operational Resolution Regime. We therefore apply our advanced LGF analysis, considering the risks faced by the different debt and deposit classes across the liability structure at failure. We assume residual tangible common equity of 3% and losses post-failure of 8% of tangible banking assets, a 25% run-off in "junior" wholesale deposits, a 5% run-off in preferred deposits, and assign a 100% probability to deposits being preferred to senior unsecured debt (as reflected in the de facto case in the waterfall below), thereby reflecting depositor preference by law in Switzerland.

Our advanced LGF analysis indicates a very low loss-given-failure for BCV's 'junior' deposits, leading to two notches of rating uplift from the bank's a2 Adjusted BCA.

#### **Government Support**

BCV's long-term deposit ratings benefit from one notch of government support uplift taking into account (1) a High probability of regional and local government support from the Canton of Vaud as the majority-owner of the bank; and (2) its strong local market position in retail and commercial (largely small and medium-sized enterprise) banking.

## **Rating Methodology and Scorecard Factors**

Strong -

Exhibit 3

Banque Cantonale Vaudoise						
Macro Factors	•		,	•	 -	
Weighted Macro Profile	Very	100%				

Factor	Historic Ratio	Macro Adjusted	Credit Trend	Assigned Score	Key driver #1	Key driver #2	
		Score					
Solvency							
Asset Risk							
Problem Loans / Gross Loans	1.2%	aa2	$\leftarrow  \rightarrow$	a2	Geographical concentration	Expected trend	
Capital							
TCE / RWA	19.3%	aa1	$\downarrow$	aa2	Capital retention	Expected trend	
Profitability							
Net Income / Tangible Assets	0.7%	baa2	$\leftarrow \rightarrow$	baa2	Earnings quality	Expected trend	
Combined Solvency Score		aa3		a2			
Liquidity							
Funding Structure							
Market Funds / Tangible Banking Assets	18.9%	a2	$\leftarrow \rightarrow$	a3	Market funding quality	Expected trend	
Liquid Resources							
Liquid Banking Assets / Tangible Banking Assets	28.5%	a2	$\leftarrow \rightarrow$	a2	Quality of liquid assets	Expected trend	
Combined Liquidity Score		a2		a3	·		
Financial Profile				a2			
Business Diversification				0			
Opacity and Complexity				0			
Corporate Behavior				0			
Total Qualitative Adjustments				0			
Sovereign or Affiliate constraint:				Aaa			
Scorecard Calculated BCA range				a1-a3			
Assigned BCA				a2			
Affiliate Support notching				0			
Adjusted BCA				a2			

Balance Sheet	in-scope	% in-scope	at-failure	% at-failure	
	(CHF million)		(CHF million)		
Other liabilities	11,852	26.9%	14,924	33.9%	
Deposits	30,113	68.3%	27,042	61.4%	
Preferred deposits	22,284	50.6%	21,169	48.0%	
Junior Deposits	7,829	17.8%	5,872	13.3%	
Senior unsecured bank debt	781	1.8%	781	1.8%	
Equity	1,322	3.0%	1,322	3.0%	
Total Tangible Banking Assets	44,068	100%	44,068	100%	

Debt class	De jure waterfall De facto waterfall		Notching		LGF	Assigned	Addition	l Preliminary		
	Instrumen	t Sub-	Instrument	Sub-	De jure	De facto	notching	LGF	notching	g Rating
	volume +	ordinati	on volume + c	rdination			guidance	notching		Assessment
	Subordination	on	Subordinatio	n			versus			
							BCA			
Deposits	18.1%	4.8%	18.1%	4.8%	2	2	2	2	0	aa3
Instrument class	Loss	Given	Additional	Prelimina	ry Rating	Gove	nment	Local (	Currency	Foreign
	Failure 1	notching	Notching	Asses	sment	Support	notching	Ra	ting	Currency
										Rating
Deposits		2	0	aa	a3			P	\a2	Aa2
Source: Moody's Financial Metrics										

## **Ratings**

#### Exhibit 4

Category	Moody's Rating			
BANQUE CANTONALE VAUDOISE				
Outlook	Stable			
Bank Deposits	Aa2/P-1			
Baseline Credit Assessment	a2			
Adjusted Baseline Credit Assessment	a2			
Counterparty Risk Assessment	A1(cr)/P-1(cr)			
Source: Moody's Investors Service				

#### **Profile**

BCV was established in 1845 by the Vaud Cantonal Parliament as a corporation organized under public law. The bank is Switzerland's second-largest cantonal bank, with total assets of CHF44.1 billion as of year-end 2016.

BCV has a corporate mandate of contributing to the economic development of its home region, the Canton of Vaud, and also of providing mortgage financing there. Other than operating in its traditional areas of business, including retail banking (deposit-taking and lending) and wealth management, BCV is also engaged in corporate banking and selected trade-financing operations in commodities. Through these activities, BCV is also exposed to other cantons in Switzerland and, to a limited extent, overseas markets.

As of June 2016, the Canton of Vaud held a 67% stake in the bank. In contrast with most Swiss cantonal banks, BCV does not benefit from an explicit guarantee of the canton.

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