

Methodology

*Rating Canadian Home Equity Lines
of Credit (HELOCs)*

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Insight beyond the rating.

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Introduction

Consumer lines of credit can be classified as secured or unsecured, depending on whether a security is pledged to the lender to obtain the credit. Credit cards are a common example of an unsecured line of credit. For secured lines of credit, commonly accepted collateral includes personal property, investments, bank account holdings, insurance policies and real estate. The most common secured line of credit is a home equity line of credit (HELOC), which has a residential property as underlying security to the lender.

DBRS has developed a comprehensive approach to rating Canadian HELOC transactions. The methodology considers the key characteristics of HELOC receivables and their corresponding risk metrics, together with the various structural features inherent in HELOC securitizations. As structural innovations continue to evolve, along with origination and servicing practices, DBRS will continue to refine and adjust its criteria to better serve the needs of market participants.

While this methodology focuses on HELOC, DBRS uses a similar approach to evaluate all types of secured and/or unsecured line of credit transactions, depending on the availability and value of underlying collateral pledged to support the borrower's obligation to repay the loan.

This methodology is part of DBRS's continued effort to provide market participants with insight into the rationale behind DBRS's rating opinions.

Characteristics of a HELOC

A HELOC is essentially a hybrid of a mortgage credit and a revolving consumer credit. To be more precise, it is a line of credit secured by the equity in the underlying residential property to mitigate the losses should the borrower default.

TERMS AND PAYMENTS

HELOC products can be categorized according to their terms of maturity: definite or indefinite.

Definite Term

This type of HELOC has a predetermined maturity date (full repayment date) that is preceded by two periods: the draw period followed by the amortization period. During the draw period, borrowers can increase their indebtedness by drawing up to the credit limit or decrease their indebtedness by repaying the principal at any time. The draw period can vary, during which time the minimum payment requirement is interest only (IO) and no repayment of the principal is required. Once the amortization period begins, the borrower is no longer permitted to make draws on the HELOC and the outstanding amount drawn is required to be amortized and fully repaid at the end of the term.

The structure of a HELOC with a definite term is similar to an IO principal mortgage (or an IOP mortgage), which, after the IO period expires, requires the borrower to pay down the outstanding principal by the end of the mortgage term. Because of the non-amortizing nature of the mortgage principal during the IO period, borrowers with IOP mortgages largely rely on rising home values or the equity buildup over the loan principal amount in this period to assist in the repayment of the loan, likely through a refinancing, when the amortization period begins.

Indefinite Term

A HELOC without a predetermined amortization period is payable on demand. Generally, the contractual terms allow the borrowers to draw and repay the amount for an indefinite period (the revolving period) as long as the account is in good standing and the outstanding balance is within the credit limit. The revolving and payable-on-demand nature is similar to the features of credit cards.

This type of HELOC usually has a floating interest rate that is charged daily on the outstanding balance, based on the lender's prime rate with or without a premium, and provides borrowers the flexibility of making monthly payments as low as the interest amount and/or principal repayments without penalties. A HELOC with an indefinite term also permits frequent draws, up to a pre-determined credit limit.

Most HELOC products offered in Canada fall into this category. They are underwritten by traditional financial institutions as a substitute for regular amortizing mortgages to prime borrowers with high credit scores. This allows the borrowers to reduce monthly payments, increase affordability and/or extract the equity embedded in the underlying properties. Therefore, HELOCs in Canada generally have higher credit limits, more flexible payment terms and more favourable borrowing rates than other kinds of revolving consumer credit.

CREDIT LIMIT

The credit limit on a HELOC is set according to the property value and the loan-to-value (LTV) of the property at origination, which takes into account the lien of the HELOC lender and any other liens with priority on the property. Due to the large value of a real estate property, HELOCs often have larger credit limits than other secured or unsecured lines of credit. Consequently, the potential loss to the lender could be significant upon the borrower's default if there has been a decline in the value of the secured property. To manage such risk, the lenders periodically reassess borrowers' property values and risk profiles. As



home equity mitigates the loss to the lender, prudent property value assessment is crucial in determining a HELOC credit limit. HELOC credit limit is expressed in a dollar amount, which in Canada is generally no more than the difference between 80% of the appraised property value and the mortgage balance (all liens combined) at origination if the underlying property does not have mortgage insurance. This is consistent with the requirements of the Bank Act for a conventional (uninsured) mortgage with a maximum LTV of 80%. Mortgage insurance on HELOC loans has not been available in Canada since April 18, 2011, regardless of the LTV or credit limits.

HELOCs IN CANADA AND THE UNITED STATES

As discussed above, HELOC products in Canada offer flexibility to borrowers because the required monthly payments can be as low as IO (payment holidays may be allowed in limited circumstances) without any principal repayments as long as the amount drawn is within the authorized limit and the account is in good standing. Borrowers are also permitted to repay any amount drawn at any time without any prepayment penalties. This flexibility allows borrowers to manage their cash flows better, reduces the likelihood of a borrower default and makes HELOCs an appealing alternative to conventional mortgage lending. HELOC products are also more profitable for the lenders than regular floating-rate mortgages by offering little discounts from the lenders' prime rate.

The LTV limit, the mostly first-lien borrowing, the payment flexibility and the floating interest rates result in HELOC products in Canada typically only being offered to prime borrowers as cash management tools. Because of these characteristics, HELOC products in Canada are comparable with payment-option adjustable-rate mortgage (option ARM) products in the United States, which were initially intended for and marketed to well-heeled, financially sophisticated homeowners before they morphed into affordability products for non-prime borrowers.

As mortgage interest is tax deductible in the United States, the higher the mortgage amount, the more deductions the borrower can use, leaving the borrower little incentive to accumulate and retain equity in the property. Therefore, until recently, HELOC products in the United States were mostly underwritten either as refinancing substitutes for first-lien mortgages to maximize the borrowed amounts or as second-lien piggyback loans with definite amortizing terms and a combined LTV greater than 80%, in lieu of obtaining mortgage insurance. These second-lien HELOCs usually have higher interest rates than the first-lien mortgages, with a premium that is similar to the mortgage insurance premiums, which, until recently, were not tax deductible.



The DBRS Rating Process

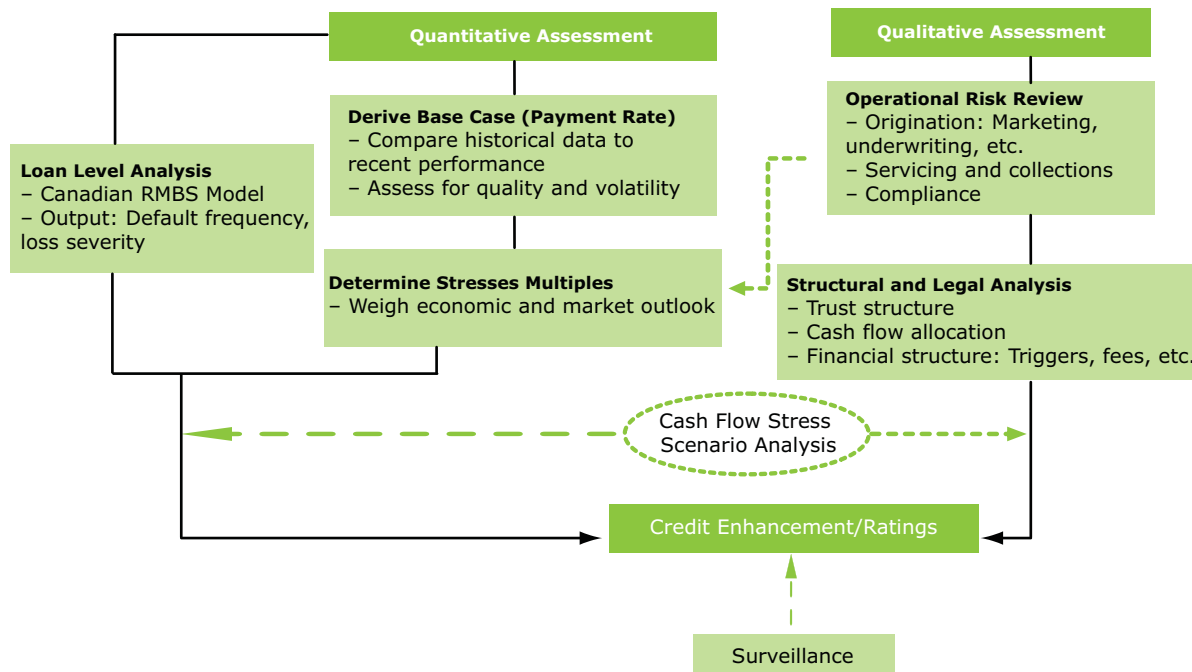
DBRS applies a qualitative and quantitative approach to rating transactions backed by HELOC receivables (see Figure 1). The approach includes a thorough evaluation of the various elements of the transaction, including the following:

- Quality of the seller and underwriting.
- Quality of servicing capabilities.
- Legal requirements and opinions.
- Transaction structure, proposed ratings and credit enhancement.
- Performance of the underlying assets.
- Cash flow analysis.

DBRS tests the viability of each transaction’s proposed capital structure and credit enhancement through the combination of cash flow and vintage performance analyses. Scenarios are tested for each class of debt, with higher rated classes subjected to successively more severe assumptions. Each rating assigned by DBRS represents an opinion regarding the likelihood of full repayment of principal and interest on the notes according to the terms of the notes. For HELOC receivables transactions, these terms typically include the timely payment of interest and complete repayment of principal by the legal final maturity date, which may occur long after an expected payment date. Many investors evaluate their investment decisions in terms of an expected payment date and should be aware that DBRS ratings only address the legal final maturity date.

DBRS often assigns a provisional rating prior to the transaction’s closing date, which signifies its initial opinion regarding the likelihood of repayment given the initial structure proposed. After DBRS reviews the final details of the transaction, such as the pricing of the notes which affects the cost of funds and the final transaction documentation, DBRS completes its evaluation and the rating is finalized.

Figure 1: DBRS Rating Process for Canadian HELOC Transactions





SELLER/ORIGINATOR

A key aspect of DBRS's analysis is the assessment of the quality of underwriting and account origination done by the seller. To mitigate potential losses, lenders must have good systems in place to evaluate the borrowers. A review of the underwriting philosophy and process provides insight into the operations and the approach that is taken to reduce losses and is a practical way of determining whether portfolio performance is likely to be comparable with other lenders with similar underwriting practices in the marketplace. For example, in most cases, amounts can be drawn at any time up to the credit limit as long as the account is in good standing. Thus, the full amount of the HELOC limit could be drawn before the lender is aware that the borrower cannot make any payments or has become delinquent, thereby increasing the potential severity of the loss on the loan. If there are inherent limitations on the lender's technology, personnel or management, it presents a significant concern should portfolio performance deteriorate rapidly.

SERVICER

For HELOC securitization transactions in Canada, the seller is typically also the servicer. DBRS places emphasis on the review of servicers because the efficiency and effectiveness of collection systems have a significant impact on the performance of receivables. The payment flexibility of HELOCs poses additional challenges for servicers as cash flows are difficult to predict. For instance, the amount of collections could potentially change significantly each month, ranging from the minimum payments of IO to substantial principal repayments.

Technology plays a crucial role in servicing and can be a major competitive advantage given the large number of accounts to be serviced. Similar to account origination, many servicers now use behavioural scoring models and other analytics to evaluate delinquent accounts in order to optimize collection efforts. Servicers who can efficiently deploy resources for collections will ultimately reduce the losses.

Servicers also manage the recovery process of the defaulted accounts. Most servicers rely on a combination of internal collections, outside collection agencies and legal channels (including foreclosure) in their collection work. The timeline of the foreclosure process varies depending on the province and is affected by two main factors: the provincial legal requirements (judicial sale or power of sale) and the strength of the housing resale market. The foreclosure of a property requires the servicer to manage different legal approaches in various jurisdictions, and the servicers may have no control over the ultimate timelines. For example, during good or normal economic periods, the timeline can range from a few days to several months, but during economic downturns, it can be stretched to a full year, with properties in some smaller communities experiencing even longer time frames.

DBRS has published an approach to evaluating residential mortgage servicers in Canada that assesses the following areas: company structure and management experience; asset administration, reporting and customer service; loss management; technology and systems; financial condition; staff and training; procedures and controls; and outsourcing and sub-servicing arrangements. Please refer to *Canadian Residential Mortgage Servicer Evaluations* at www.dbrs.com for more details.

LEGAL REQUIREMENTS AND OPINIONS

For HELOC receivables transactions, similar to regular mortgages, DBRS will review the legal structure and transaction documents to ensure that the transaction complies with DBRS's Legal Criteria for Canadian Structured Finance. More specifically, DBRS will expect to be provided with legal assurances (by way of legal opinions, with DBRS as an addressee) that the sale of the receivables from the originator/seller to the special-purpose vehicle (the SPV or the Trust) issuing the notes constitutes a "true sale" and that the subsequent grant by the Trust of a security interest in the receivables to the indenture trustee (on behalf of the noteholders) has been perfected in all applicable jurisdictions. DBRS reviews legal opinions to determine whether the transfer of the receivables to the Trust (the Transfer) constitutes a true sale such that the assets of the Trust would not be consolidated with those of the seller in the event of the seller's bankruptcy (i.e., it is bankruptcy remote from the claims of the seller's creditors) and also to ensure that the indenture trustee has a perfected security interest in the purchased assets that secure the Trust's obligations to the noteholders.



Notice and Perfection

Except for in Québec, Personal Property Security Act (PPSA) legislation in Canada does not cover interests in the real properties that support HELOCs. Instead, a mortgage filing in the local land title registry office is required in order for the Transfer to be considered a legal assignment and enforceable against third parties. This could be impractical with large or revolving receivables pools. For this reason, an irrevocable power of attorney that is in registrable form (i.e., it is capable of being registered in the related land registry or land titles office, as supported by a legal opinion with DBRS as an addressee) should be granted by the originator/seller in favour of the SPV in securitizations that involve real property. The power of attorney will allow the SPV to effect a transfer of legal title to the mortgage in the related registry or land titles office without the co-operation of the originator/seller. If the originator has an investment-grade credit rating, re-registration of title in the related land registry or land titles office is not required on closing of the securitization transaction. If the originator has insufficient credit strength, does not have the equivalent of an investment-grade rating or falls below investment grade, DBRS usually requires that mortgages be re-titled in the name of a nominee or third-party custodian at closing of the securitization transaction. This protects the SPV against the risk of seller's bankruptcy proceedings or a stay of proceedings in the event that the originator/seller goes bankrupt while legal title to the mortgages is still in the name of the originator/seller.

In Québec, in the absence of a universality of claims (a legal concept under the Québec Civic Code), perfection of a security interest usually requires notification to the individual HELOC borrowers, in addition to the mortgage re-registration of title in the relevant land registry or land titles office. The perfection by notification requirement is usually triggered when the originator/seller is downgraded below investment grade.

Please refer to *Legal Criteria for Canadian Structured Finance* at www.dbrs.com for more details.

Registration

Because land has a title registry in all jurisdictions in Canada, all mortgages are registered in the land registry system. Usually the mortgages sold in a securitization transaction are registered in the name of the originator/seller and continue to be registered in that name, even when sold to an SPV (i.e., legal title to the mortgages remains in the name of the originator/seller, even though the beneficial interest in the mortgage receivables has been sold to the SPV by way of a true sale, supported by legal opinions). In some instances, the originator or seller registers legal title to the mortgages in the name of a third-party custodian, an entity that is remote from the originator or seller, upon inception of the mortgage. If that is the case, the mortgages should not be subject to a stay-of-court proceedings upon a bankruptcy of the seller (in which case there would be no need to request that a court declare that the mortgage receivables officially belong to the SPV and to release them from the seller's estate) as legal title to the mortgages is already registered in a name other than that of the originator/seller. As mentioned above, DBRS expects that a legal opinion be delivered on closing of the securitization transaction (with DBRS as an addressee) that indicates that the sale of the interest in the mortgages to the SPV is bankruptcy remote and that the creditors of the seller would have no right to claim against the mortgages. In all provinces, there is an additional step that is required to allow the SPV to enforce the mortgages. That step is a registration of legal title to the mortgages in the relevant land registry or land titles office to evidence the legal transfer of the mortgages to the SPV. This step will be required where the underlying obligor of the mortgage has defaulted on its monthly payments and the owner of the mortgage (the SPV) intends to enforce the security against the mortgaged property to be repaid the outstanding mortgage amounts, which may not be possible if legal title to the mortgage remains in the name of the seller (even if it is servicing the mortgages on behalf of the Trust).

The securitization documentation in a HELOC transaction usually provides for an irrevocable power of attorney in registrable form to be delivered on closing (supported by a legal opinion, with DBRS as an addressee) so that the particular mortgage can be re-registered and/or enforced by the SPV without requiring the cooperation of the originator/seller. In the event of a bankruptcy of the originator/seller, if the registration of legal title to the mortgages in the relevant land registry or land titles offices has not been



updated to reflect a transfer to the SPV, the ability of the SPV to enforce against a defaulted mortgage (or any mortgage, for that matter) may be subject to a stay-of-court proceedings, in which case, no steps can be taken until a court allows it. However, assuming the elements of a true sale are present (as evidenced by the legal opinion mentioned above) and perfection has been achieved on behalf of the noteholders, that stay should eventually be lifted by a court to allow the SPV to effect both re-registration of legal title to the mortgages, and accordingly, enforcement of the mortgaged properties. If a registration of legal title is made at the relevant land registry or land titles office reflecting the transfer of the mortgage to the SPV prior to a bankruptcy of the originator/seller, enforcement against that property should not be subject to a stay of proceedings in the event of the bankruptcy of the originator/seller. Similarly, the collections or regular payments made by an obligor should not be subject to a stay of proceedings if the SPV's (and ultimately, the noteholders') interests in the mortgage receivables have been perfected as required under the laws of the relevant jurisdiction, and provided that no commingling of the mortgage payments with other assets of the originator/seller occurs.

To address the risk when legal title remains in the name of the originator/seller and is not re-registered upon the sale of the mortgages to the SPV, DBRS generally requires the completion of re-registration of title within 30 to 60 days once the seller falls below investment grade. If the seller does not have a credit rating, there must be other measures taken to mitigate the above risks, such as having financial strength tests or a sufficient reserve to cover stay risk.

Please refer to *Legal Criteria for Canadian Structured Finance* at www.dbrs.com for more details.

Foreclosure and Recourse

Similar to regular mortgages, HELOC receivables that remain delinquent for more than 90 days are considered to be in default. At this point, the servicer could recover outstanding debt by starting legal proceedings of foreclosure through either power of sale or judicial sale. Power of sale allows a lender to sell the property without the involvement of the court. The lender has the right to sell the property according to the mortgage document and/or provincial legislation that authorizes power of sale in that province. DBRS understands that this is the lender's primary recovery method for mortgages in Newfoundland, New Brunswick, Prince Edward Island and Ontario and it is usually faster and less costly than a judicial sale. A judicial sale is a sale conducted under the supervision and authority of the court, where the court is extensively involved and a lender must apply to the court to get the court's permission to sell the property. DBRS understands that this is the primary debt recovery approach for mortgages in British Columbia, Alberta, Saskatchewan, Manitoba and Québec. The actual judicial sale procedures vary by province. DBRS understands that in Nova Scotia, the primary recovery process for mortgages is a mix of the two practices but is considered judicial as the court is involved.

It is DBRS's understanding that, except for in Alberta and Saskatchewan where legislation dictates that a borrower is not personally liable for any deficiency amount on a secured loan (it is a non-recourse loan), HELOC lenders in all other jurisdictions in Canada can pursue creditor-friendly options (such as wage garnishment) for any loan deficiency remaining after the mortgage is enforced, thanks to the personal covenants to pay provided by the borrowers in the documentation at the HELOC origination. DBRS understands that in provinces that have power-of-sale legislation, a lender seeking a deficiency judgment must start an action against the borrower after the property has been sold, but in provinces that use the judicial sale procedures, the deficiency judgment is part of the foreclosure proceedings against the borrower. It is DBRS's understanding that loss mitigation techniques, such as short sales or non-recourse loans with higher rates, are rarely used in Canada.



TRANSACTION STRUCTURE

Trust Structure (Master Trust)

Most HELOC securitizations in Canada use a master trust structure, which provides the flexibility of issuing multiple series of notes all secured by the same collateral pool or the ability to purchase discrete collateral pools (silos) associated with separate series of notes. This is achieved by the conveyance of a pool of eligible HELOC accounts to a custodian to be held as assets backing any subsequent sale of co-ownership interests in the conveyed pool (a co-ownership) or by the sale and transfer of a discrete pool of HELOC loans to the Trust (a discrete purchase). The co-ownership structure, similar to that used in credit card securitizations, is generally used for HELOC products with indefinite terms as it suits the revolving nature of the underlying accounts. A discrete purchase, on the other hand, is mostly used for HELOC products with definite terms as they are similar to regular mortgages, with definite maturity dates. Consequently, investors can be exposed to the seller's entire managed receivables portfolio or only to discrete asset pools, depending on the trust structure.

In Canada, master trust structures typically issue senior and subordinated classes of notes simultaneously (vertical classes) in order to achieve desired levels of credit enhancement. The credit support for vertical classes needs to be reassessed and can be adjusted for each new issuance, regardless of whether it is a co-ownership or a discrete purchase structure. The maturity date of subordinated notes in vertical classes is the same as the senior notes.

Eligibility Criteria

The documentation for each transaction defines the eligibility criteria for the types of accounts and assets that are permitted to be used as collateral for the notes. The requirements can be extensive and may vary by transaction, but they typically include the following for transactions in a co-ownership structure:

- (1) The account is secured by real estate.
- (2) The account is in existence and maintained by the seller.
- (3) The account is denominated and payable in Canadian dollars.
- (4) The obligor is not subject to any voluntary or involuntary bankruptcy or insolvency proceeding to the best of the seller's knowledge.
- (5) The obligor has a billing address located in Canada.
- (6) The seller has good and marketable title of the receivable, free and clear of all liens in favour of persons claiming through or under the seller.
- (7) The receivable will at all times be the legal, valid and binding payment obligation of the obligor.
- (8) The receivable (or mortgage) is not subject to any right of rescission, set-off (other than equitable rights of set-off), counterclaim or other defence available to the obligor, other than defences arising out of laws affecting the enforcement of creditors' rights generally.
- (9) The underlying mortgage contains all standard terms and conditions generally contained in mortgages originated by the seller to secure HELOC accounts and contains no restriction on assignability on the part of the seller.
- (10) The underlying mortgage constitutes a valid charge, mortgage or hypothec in favour of the seller, as mortgagee, against such property, subject, in either case, only to liens that do not in the aggregate materially impair the marketability of the property mortgaged nor the value of the security constituted by the mortgage.



(11) The underlying property is a freehold interest in real property located within any province or territory of Canada (a) whose mortgage registration is not governed by the federal laws of Canada and (b) that is zoned residential.

(12) The seller is named as mortgagee or hypothecary creditor under policies of fire and all perils insurance for not less than the full replacement value of the buildings situated on the property mortgaged.

(13) The mortgage has not been extended or otherwise modified, except in the ordinary course of business of the originator.

(14) The mortgage has an LTV limit.

For discrete purchases, the criteria could be less stringent based on the needs of the seller and/or investors, generally resulting in higher credit enhancement.

Typically, the seller will provide a representation and warranty to repurchase ineligible assets. A seller without strong financial wherewithal could face difficulty meeting such a repurchase obligation if there is a large amount of ineligible assets due to a lax or compromised underwriting standard.

Servicer Termination Events

Standard servicer termination events incorporate the following:

- Failure to make payments when due.
- Failure to perform or observe covenants.
- Untrue representation and warranty.
- Bankruptcy or insolvency.

These triggers are designed to provide investors with the option of replacing the initial servicer should it fail to meet its servicing requirements and the issues are not cured within any applicable grace period. Performance related triggers are not included as servicer termination events because they have already been included as early amortization triggers and it is unlikely that a replacement servicer could implement new servicing procedures that would outperform those already in place within the seller's operation.

A requirement of maintaining at least an investment-grade rating or acceptable evaluation by DBRS is also common for the servicer in Canadian HELOC transactions. Depending on the terms of the transaction, failure to maintain at least one of these requirements could trigger a servicer termination event.

Amortization Period

The notes can be repaid through gradual amortization during the ordinary course or with one bullet payment on the expected maturity date. For the latter, a soft bullet structure will allow an amortization period to begin if the notes are not fully repaid on the expected maturity date. At this point, collections are used to pay down the notes monthly until the earlier of the full repayment of the notes or the legal final maturity date. The soft bullet mechanism may also affect other series of notes with respect to cash flow allocations if a co-ownership structure is in place.



Early Amortization Period

Some transactions include covenants in the structures, referred to as early amortization triggers, to protect investors. Breaches of these triggers (if not cured within any applicable grace period) would result in the onset of the amortization period earlier than scheduled or expected. These triggers include, but are not limited to, the following:

- Insolvency of the seller.
- Failure of the seller to perform or observe covenants, breaches of representations and warranties or other default of the seller.
- Failure to pay timely interest or principal on any series of notes when due.
- The occurrence of a servicer termination event.
- Breach of a performance or minimum required amount trigger.

Commingling

The commingling of funds occurs when the seller, acting as servicer, blends receivables collections for a particular securitization transaction with its general funds that are not related to the securitization. Commingling allows remittance to investors to be carried out on a monthly, or even less frequent, basis rather than daily. DBRS usually permits the commingling of funds by the seller/servicer until the next settlement date of the transaction as long as the seller maintains an investment-grade rating, consistent with the criteria for residential mortgage transactions.

Should the seller be removed as servicer or the seller's rating fall below the required minimum rating threshold, the allowable commingling period would be reduced to two business days or less or a third-party servicer would be required to handle the collections. However, for revolving asset pools such as HELOC loans, collections are used to frequently purchase new receivables during the revolving period. As such, commingling by the seller of collections in excess of what is required to be paid or deposited for the next distribution or settlement date (partial commingling) may be permitted, subject to the following conditions (the Partial Commingling Conditions):

- (1) A daily asset test must be conducted by the seller in accordance with the terms of the transaction to ensure there are sufficient eligible assets to meet a defined minimum required level.
- (2) A daily monitoring of the occurrence of any amortization event must be completed by the seller.
- (3) The above two conditions must be certified by an officer of the seller on a monthly basis, confirming that no amortization event has occurred during that month and that the asset test has been complied with on a daily basis during that month.

If any of the above conditions are not met, the revolving period will end and partial commingling will no longer be permitted. Consequently, all collections will need to be remitted to a collections account within two business days or less to reduce the possibility of commingling the collections with the seller's other funds.

Co-Ownership Interest (Non-Discrete Purchase)

As most HELOC products in Canada are underwritten with indefinite terms and allow the borrowers to make frequent draws and repayments like credit cards, the co-ownership structure is used for related securitization transactions. The seller is typically also the servicer in a co-ownership structure.

DBRS believes this to be a positive connection, as the seller/servicer's interest is largely aligned with the investors' interests. For example, the seller maintains investments in the receivables through the seller's co-ownership interest and the receivables that are not conveyed to the Trust but remain on the seller's balance sheet. The seller/servicer also expends considerable resources to actively manage the accounts (and the corresponding receivables) in order to promote consistent and robust levels of profitability as excess spread is returned to the seller/servicer after the obligations for the investors are met. Such interest alignment may be weakened in a discrete purchase structure if the seller is not the servicer and excess spread, instead of being released back to the seller, is securitized and sold to investors.



Seller's Interest

Separate co-ownership interests are established for each series of notes issued by the Trust, with the seller retaining a co-ownership interest (Seller's Interest) in the balance of receivables that are not offered to the investors. Thus, there are at least two co-ownership interests in a master trust structure: the Seller's Interest and the Trust's interest. The latter is represented by the outstanding notes issued by the Trust. There could be more than one co-owner in addition to the Trust. The Seller's Interest is the difference between the balance of the receivables in the conveyed pool and the Trust's interest plus any other co-owner's interests.

There is a required minimum Seller's Interest based on the notes outstanding. The minimum Seller's Interest exists to mitigate potential fluctuations in the balance of the receivables supporting the notes. These fluctuations are due to repayments and/or draws by the borrowers. Except for the minimum Seller's Interest described above, whose related cash flows are allocated to the Trust first, the Seller's Interest in excess of the minimum required amount ranks *pari passu* with the Trust's interest in terms of monthly cash flow allocations, thereby aligning the interests of the seller and the Trust.

When the Seller's Interest falls below the minimum required level, the seller must provide the Trust with additional receivables to restore the required Seller's Interest amount. If the minimum level is not restored or maintained, an early amortization event will be triggered and the notes will begin amortizing. Although the required minimum Seller's Interest is generally not considered part of credit enhancement, the related cash flows are available to the Trust for credit support.

Addition and Removal of Accounts

A co-ownership structure typically permits the addition and/or removal of certain accounts to and from the pool of receivables conveyed to the Trust, subject to certain criteria. Additional accounts might be added in order to meet the minimum Seller's Interest requirement or to provide for additional issuance of notes. The addition of accounts to the Trust's portfolio is usually subject to a cap or limit and may have other conditions that must be satisfied. The caps or limits are generally measured over three-month and 12-month periods in terms of both the number of accounts and the dollar value of the receivables added, unless the rating agency confirms that such increase will not adversely affect the rating(s) of the outstanding notes. Similarly, account removals are permitted as long as an early amortization event does not occur as a result of the account removal. The addition or removal of accounts is generally subject to the rating agency confirming that this action will not adversely affect the rating(s) of the outstanding notes. This requirement is in place to protect against adverse selection, which might materially alter the credit quality or composition of the Trust's portfolio of assets.

Revolving Period

To maintain a bullet payment at note maturity without gradual amortization over time, the co-ownership structure uses a revolving period, during which interest is paid to investors while principal payments received on the collateral are used to purchase new receivables instead of paying down the notes. This ongoing purchase mechanism serves to reduce prepayment of principal to investors and enables the use of long-term financing for revolving receivables. The revolving period has a definite term and may be prematurely discontinued by an early amortization event. Similar to credit card transactions, the principal collections that may otherwise be allocated to a series in the revolving period may be re-allocated to other series of notes that are in an accumulation period.

Controlled Accumulation and Controlled Amortization Periods

To facilitate predictable principal repayments to investors, a co-ownership structure generally has a controlled accumulation and/or controlled amortization period after the revolving period ends. During these periods, principal collections from the receivables are either distributed to the investors in agreed-upon amounts (controlled amortization period) or are accumulated in a trust account until the expected maturity date (controlled accumulation period) and used to repay the notes with a hard bullet payment. The length of these periods will depend on the principal payment rate of the receivables. Subject to the



provisions of transaction documents, the length of the accumulation period can be reduced if it is determined that sufficient principal collections can be collected in less time than initially expected for a hard bullet payment on the maturity date.

Priority of Payments (Waterfalls)

Collections from the receivables are identified as either principal or finance charges. The finance charge component is used to cover the expenses of the Trust, interest on the notes and written-off receivables. The principal component is reinvested in new receivables, paid to the investors or accumulated for a bullet payment, depending on the status of the transactions.

Finance charges, principal collections and receivables write-offs are allocated pro rata between the Seller's Interest and the Trust's interest. The pro rata share of the Trust's interest is determined by the aggregate amount of notes outstanding divided by the balance of the receivables conveyed to the Trust. Subsequently, the Trust's share of collections is divided among each series of notes issued by the Trust. In general, finance charges and principal collections can be shared and re-allocated among each series of notes. For example, excess finance charges not needed by one series may be re-allocated to another series for any shortfalls in interest on the notes, excess write-offs or restoration of any previous writedowns of note principal.

QUANTITATIVE, CASH FLOW AND STRUCTURAL ANALYSIS

(1) Loan-Level Analysis

Before performing cash flow analysis, DBRS will use the Canadian residential mortgage-backed securities (RMBS) model to conduct a quantitative evaluation of the HELOC loans. As borrowers are allowed to draw to the maximum credit permitted under the HELOC contractual terms while making the minimum required payments to keep the accounts current, several sets of assumptions are made in respect of the term to maturity, payment requirement and current balance, including a scenario where all borrowers encounter financial stress and all accounts are drawn to the limit with interest-only payment requirement.

Additionally, static pool analysis can be used to evaluate the consistency of the seller's origination over time through the normalized performance of seasoned accounts. Specifically, static default rates, cure rates and recovery rates over time can help with the estimates of future asset performance.

The most conservative outcome of default probability and loss severity from the RMBS model, along with static pool analysis, if available, will be used as inputs for cash flow analysis. For further information on the RMBS model and the related analytics, please refer to the *Rating Canadian Residential Mortgage-Backed Securities Transactions* at www.dbrs.com.

(2) Excess Spread and Cash Flow Analysis

DBRS's cash flow analysis incorporates the structural elements of the transaction, including any triggers or covenants that may affect cash flows. Excess spread is the amount of net asset yield after deduction of funding costs, credit losses, servicing expenses (if applicable) and other fees. Servicing fees, which are calculated based on the outstanding balance of the total receivables and allocated pro rata between the seller and the Trust in a co-ownership structure, reduce the amount of excess spread available. If the receivables are sold on a fully serviced basis by the seller, the seller will service the loans and does not receive explicit servicing fees in the payment waterfalls. Instead, the seller receives excess spread after all expenses and costs are paid at the bottom of the waterfalls as servicing compensation. When replacement servicers are in place, they are entitled to servicing fees which DBRS will stress in the transaction waterfalls.

Excess spread offers additional cushion to withstand asset delinquencies; it is a key indication of the asset quality and is viewed as internal liquid support for a securitization transaction. When positive excess spread occurs at the bottom of the waterfall, it can either be retained in the transaction or be released back to the seller, depending on the transaction structure and/or asset performance. Excess spread may be shared and re-allocated among each series in a co-ownership structure or be only available to a specific series of notes.



Excess spread could be compressed without any deterioration in portfolio quality. For example, the portfolio's yield, which is usually based on the lender's prime rate, could be decreasing as interest rates decline and at the same time coupon rates on the notes remain fixed, causing excess spread to decrease if there is no proper mitigant in place. Therefore, a mechanism is usually employed to ensure that, at a minimum, excess spread could not be negative during the life of the transaction. DBRS notes that all HELOC transactions rated in Canada use swaps to create a positive excess spread for additional enhancement support.

For all rating levels, DBRS assumes that a transaction would eventually enter amortization as a result of the breach of a performance trigger or as designated in the documents to evaluate the potential aggregate excess spread over the life of the transaction. During the amortization period, cash flows and excess spread are generally designated to repay the outstanding notes rather than being re-invested in additional receivables. The notes must be able to withstand a combination of stress scenarios commensurate with the rating category without any loss of principal or interest.

(a) Principal Payment Rate

The principal payment rate is equal to the total monthly principal collections received divided by the total receivables balance. As a Canadian HELOC loan is usually structured as a revolving credit line, monthly principal repayments are generally not required. This contributes to a lower payment rate for HELOCs than other consumer credits with amortization schedules or with higher minimum payment requirements. DBRS requests extensive portfolio performance data from the originator, specifically monthly principal payment rates. The history of this variable is analyzed along with other factors that may affect the transaction, such as the credit quality of the obligors, contract terms, general economic conditions, consumer spending and borrowing patterns and the availability of other financing or credit options. Such analysis provides DBRS with a base-case assumption of principal payment rate that is then used in the cash flow model with stress ranges commensurate with the rating categories. HELOC payment rates may fluctuate significantly month to month as there are no penalties or limits on repayments of amounts drawn. Under a DBRS stress scenario, it is assumed that the payment rate will drop precipitously.

Sellers may report payment rates on a total basis (finance charges and principal) and/or on a principal-collected basis. If only total payment rates are reported, DBRS will estimate finance charge components to determine an appropriate base-case principal payment rate. Principal payment rates affect the adequacy of credit enhancement as higher payment rates indicate a faster liquidation of the receivables pool and more funds will be available to repay the investors during the (controlled) accumulation or amortization periods.

After a base case for principal payment rates is set, the base case is evaluated under various stress ranges, based on the desired rating of each class, to assess the sufficiency of the credit enhancement level (as summarized in Table 1 below).

Table 1: Principal Payment Rate Stress Ranges by Rating Category

	AAA	AA	A	BBB	BB
Reduction of base case	35% to 50%	35% to 45%	30% to 40%	25% to 35%	10% to 20%

The actual stress used in the analysis will depend on several factors, such as the volatility and trends of the performance history and the credit quality of the borrowers. At each rating category, DBRS performs various scenarios to evaluate the commensurate credit enhancement level. This is particularly useful for a base case that may be considered too high or too low or for issuing entities that have significant franchise value.

Time frames to stress the base case are compressed in the DBRS scenarios. The stress usually begins with base case in a "normal" period for the first five months, followed by a deterioration of payment rates commensurate with the rating category, beginning in the sixth month. The deterioration is assumed to be linear for the next 12 months so that at the end of the 18th month, the payment rate is appropriately stressed.



(b) Timing of Defaults

The timing of defaults is based on the same assumptions used in the Rating Canadian Residential Mortgage-Backed Securities Transactions methodology and spans ten years. DBRS also assumes there is a recovery time period before the liquidation proceeds of a defaulted HELOC can be received. DBRS uses three default curves for cash flow analysis: front-end-loaded, back-end-loaded and straight, evenly distributed curves.

(c) Interest Rate Mismatch

Interest rate mismatch risk occurs when the interest rate on the underlying collateral (i.e., asset yield) is different from the interest coupon on the notes (i.e., cost of funds). For example, HELOC loans are usually indexed to the prime rate while the notes could be issued in asset-backed commercial paper (ABCP) or indexed to the Canadian dollar offered rate (CDOR). This creates a mismatch between the prime rate and CDOR and/or between CDOR and the ABCP rate (basis risks).

To quantify the effect of these interest rate mismatch scenarios, DBRS uses a dual approach in stressing interest rates upward. First, DBRS applies stress multiples to the base forward curve of one-month CDOR by rating category. The stresses are capped when the CDOR increase reaches 500 basis points for AAA. However, the forward curve does not always slope upward. To account for a flat or downward-sloping forward curve environment, DBRS also incorporates a stressed linear increase over 12 months. The linear increase is intended to offset the risk that the forward curve would not apply significant stress in certain interest rate environments. DBRS then uses the more conservative value of the two stresses in every month. In addition to an upward interest rate stress, DBRS applies a downward stress, which, for a AAA rating, represents a 300 basis point linear decrease over 12 months. The stress multiples to the base forward curve, the corresponding caps and the linear increases and decreases are commensurate with the rating categories. The differential between the prime rate and CDOR can also be stressed to assess the potential spread compression as the prime rate may not necessarily change in the same quantum or with the same frequency as CDOR. The results from the more conservative of the two stress scenarios (upward and downward) are then used to determine the adequacy of credit support.

(3) Other Transactional Features

(a) Interest Rate Swaps

As HELOC loans carry prime-based rates, it is not common for the SPV to enter a fixed-floating rate swap. On the other hand, note coupons for HELOC transactions can be either fixed or floating rate. Therefore, there are two potential sources of interest rate risks:

- (1) Mismatch of interest rates between the floating rates charged on the receivables and the fixed-rate note coupons.
- (2) Basis risks from the different indices on which receivables are priced (prime rate) and the floating-rate note coupons are based (CDOR). In addition, there are potential time lags between the interest rate adjustments on the HELOC accounts and the CDOR-based coupon rates.

A common solution to appropriately mitigate the risks above is to use interest rate swaps. As the use of swaps introduces counterparty risk, the DBRS methodology Swap Criteria for Canadian Structured Finance Transactions requires that, for AAA/R-1 (high) transactions, all hedge counterparties must have a minimum rating of A (high) or R-1 (middle) and the relevant downgrade provisions are incorporated in the transaction documents.

Standard market swaps generally do not hedge basis risks, which can be mitigated through the use of cost-of-funds swaps or through additional enhancement by stressing the historical relationship of the indices over long time frames. Another risk introduced by the use of swaps is the swap notional mismatch, which is usually mitigated by setting the swap notional equal to the outstanding note amount.



(b) Forms of credit enhancement

Cash

Like other asset-backed securitizations, HELOC transactions can include a cash collateral account (CCA). This account may be funded at closing or structured to build up if excess spread levels fall below certain thresholds. There could be different cash accounts specifically designated for different classes of the same series of notes. The minimum CCA balance is generally tied to the initial note balance of the series. The use of a CCA is usually series-specific and can also potentially be class-specific within a series. If there are draws on the CCA, these amounts are usually required in the transaction documents to be restored from excess spread in the following periods.

Subordination

Many HELOC securitizations in Canada to date have a senior-subordinated note structure (subordination). Subordinated notes are generally not repaid until senior notes are repaid in full. Therefore, subordinated notes provide credit support for the senior notes by absorbing losses up to the subordinated principal amount and allowing the senior notes to have preferential access to the cash flows. In return, the subordinated notes carry a higher coupon rate.

Letter of Credit

Another form of credit enhancement involves the use of a letter of credit from a financial institution that meets DBRS's standard. DBRS's current ratings threshold for an eligible letter of credit provider is AA (low) and R-1 (middle).

Overcollateralization

Overcollateralization occurs when the amount of receivables the Trust is entitled to is greater than the outstanding balance of the notes. Overcollateralization is different and separate from the minimum Seller's Interest, which is generally not considered to be part of credit enhancement. Upon full repayment of the notes, the overcollateralized assets are transferred back to the seller and become part of the Seller's Interest. Overcollateralization has never been used in Canadian HELOC securitization so far.

DBRS tests the viability of each transaction's proposed capital structure and credit enhancement levels at each proposed rating level through a combination of loan-level and cash flow analysis. Specifically, cash flow modeling techniques evaluate the performance of the collateral (including gross yield, payment rate, estimated default probability and loss severity) and soundness of the structure, including proposed capital structure, priority of payments, trust expenses, cost of funds, swaps, interest rate risk and basis risk. Scenarios are tested for each class of debt with commensurate assumptions for the rating levels.

INSURED HELOC

Insured HELOC loans are reviewed through the same loan-level and cash flow analysis, except for the loss severity which is assumed to be zero by DBRS. As a result, insured HELOC loans require the same minimum levels of enhancement as insured residential mortgages listed below. The enhancement must be in the form of cash (or equivalent), in addition to excess spread, and the mortgage insurer must be rated at least AA (low) by DBRS.

For AAA/R-1 (high) Notes

Pool Weighted-Average Credit Score	Mortgage Insurer Credit Rating	
	AA or Higher	AA (low)
680 or higher	0.25%	0.5%
580 to 679	0.5%	1%
579 or less	1%	2%
Not available	0.5%	2%



For AA/R-1 (middle) Notes

Pool Weighted-Average Credit Score	Mortgage Insurer Credit Rating	
	AA or Higher	AA (low)
680 or higher	0.2%	0.4%
580 to 679	0.4%	0.8%
579 or less	0.8%	1.6%
Not available	0.4%	1.6%

For "A"/R-1 (low) Notes

Pool Weighted-Average Credit Score	Mortgage Insurer Credit Rating	
	AA or Higher	AA (low)
680 or higher	0.15%	0.3%
580 to 679	0.3%	0.6%
579 or less	0.6%	1.2%
Not available	0.3%	1.2%

For BBB/R-2 (high) Notes

Pool Weighted-Average Credit Score	Mortgage Insurer Credit Rating	
	AA or Higher	AA (low)
680 or higher	0.125%	0.25%
580 to 679	0.25%	0.5%
579 or less	0.5%	1%
Not available	0.25%	1%

Surveillance

After a transaction closes, DBRS monitors the performance to ensure that DBRS ratings continue to reflect the relevant information received by DBRS relating to that particular transaction. The maintenance of each rating requires the timely receipt of monthly performance information and data from the servicer. The performance information and data for each outstanding transaction is reviewed by DBRS analysts to identify variations between actual and expected performance levels assumed by DBRS. DBRS also monitors changes in macroeconomic conditions and the associated effects on the consumer, industry dynamics and other exogenous events that may affect the credit quality of outstanding transactions. DBRS provides monthly surveillance information for all public ratings on our website, www.dbrs.com.

Conclusion

A HELOC combines the secured nature of residential properties with the flexibility and convenience of a line of credit. It appeals to borrowers as a mortgage alternative due to its flexibility of drawing and payment for better cash flow management. HELOC products in Canada are generally underwritten without predetermined amortization schedules, payable on demand and only available to prime borrowers, making them vastly different from similarly named products available until recently in the United States.

Appendix: Rating Canadian Home Equity Lines of Credit (HELOCs) Methodology Summary

LIMITATIONS

- Future asset performance may deviate significantly from past performance.
- Actual defaults may be higher and/or recoveries may be lower than DBRS-stressed performance assumptions and model results are highly dependent on assumed levels of defaults and recoveries.
- The methodology considers the current legal and regulatory framework (including consumer protection regulations) and its impact on the structure of transactions as of the date of publication of this summary.

APPLICATION OF RATING RATIONALE

Summary of Risk Analysis Process for Canadian HELOC Transactions

Input	Detail	Key Variables
Characteristics of Individual Accounts (If Available)	Loan-level analysis based on residential mortgage-backed securities (RMBS) model.	<ul style="list-style-type: none"> • All of the following as applicable: loan ID, credit grade, credit score, documentation, lien, origination date, maturity date, loan purpose, original loan amount, current loan amount, senior and junior loan amounts (if more than one lien), postal code, province, city, property value, property type, occupancy, original amortization term, original term to maturity, remaining term to maturity, interest-only (IO) period, payment type, negative amortization percentage, coupon/index, interest rate attributes, delinquency status, mortgage insurance provider.
Historical Performance of Portfolio	A minimum of three to five years of historical performance data, tracking key variables of pool performance.	<ul style="list-style-type: none"> • Historical loss rate, principal payment rate, yield, delinquencies and defaults. • Portfolio stratifications, including loan-to-value (LTV), seasoning, credit limit, average balance, credit score and geographic distribution.
Originator Analysis	All elements of a company's business related to HELOC origination will be reviewed for new issuers.	<ul style="list-style-type: none"> • Assessment of originator's origination platform, including underwriting guidelines, compliance, acquisition channels and changes in underwriting standards.
Servicer Analysis	The capacity of the servicer may be reviewed according to criteria outlined in the Canadian Residential Mortgage Servicer Evaluations methodology.	<ul style="list-style-type: none"> • Assessment of the servicing capabilities and infrastructure, including historical performance, collection policies and procedures, compliance, systems, investment in technology, default recovery and outsourcing arrangements.
Economic Analysis	DBRS expectation of macroeconomic factors throughout an economic or credit cycle.	<ul style="list-style-type: none"> • Macroeconomic factors and potential impact on the housing and consumer lending industries, including factors such as consumer bankruptcies and unemployment rates.
Legal Document Analysis	Compliance of transaction documents with the Legal Criteria for Canadian Structured Finance methodology.	<ul style="list-style-type: none"> • Review of all legal documents as to their form and content, including true-sale opinions, bankruptcy remoteness of the structure, counterparty strength, priority of cash distributions and allocation, eligibility criteria, early amortization events, servicer termination events, events of default, representations, warranties and covenants.
Output		Application
Gross Credit Loss (from RMBS Model)		<ul style="list-style-type: none"> • The RMBS model is run using loan-level data to estimate default frequency and loss severity (gross credit loss) at each rating level before excess spread is considered. Estimated default frequency and loss severity is further used in the cash flow model to determine expected credit losses.



Summary of Risk Analysis Process for Canadian HELOC Transactions

Assumption of Base-Case Performance

- The base-case principal payment rate is estimated based on review of the history and the originator, servicer, economic and legal document reviews.

Summary of Process to Evaluate Proposed Enhancement in Canadian HELOC Transactions

Input	Process
Proposed Amount of Enhancement	<ul style="list-style-type: none"> • The RMBS model is used for loan-level analysis with conservative LTV assumptions. The model results are further used in a cash flow model similar to RMBS analysis. • Alternatively, cash flow modeling is done to incorporate the base-case and appropriate stress multiples detailed in Table 1 below to estimate credit losses at each rating level. • Cost of funds and replacement servicer fee assumptions are included in the analysis. • The estimated credit losses after cash flow modeling are compared with the proposed amount of credit enhancement to determine whether the proposed enhancement is sufficient or any loss on the notes may occur at the requested rating. • All elements of the transaction structure are incorporated, including any triggers and covenants. • For insured HELOCs, credit enhancement assessment is based on the same guidelines used for insured Canadian RMBS transactions listed in Table 2.
Proposed Form of Enhancement	<ul style="list-style-type: none"> • DBRS evaluates the appropriateness and mechanism related to each form of enhancement, including hedging arrangements, triggers, priority of payments, negative carry (if applicable) and eligibility of related parties and investments. • Common forms of enhancement are the following: <ul style="list-style-type: none"> – Excess spread. – Cash collateral account. – Subordination. – Overcollateralization. – Letter of credit.
Output	Appropriate rating level based on the proposed enhancement.



Summary of Additional Risks for Canadian HELOC Transactions

Risk	Description	Methodology ¹ or Mitigant
Interest Rate Mismatch	Arises when the yield on the securitized HELOCs is based on a different interest rate term basis than the notes issued. For example, a fixed-rate note issuance is secured by a portfolio of floating-rate HELOCs.	<i>Swap Criteria for Canadian Structured Finance Transactions</i> or conservative stress scenario in cash flow model.
Basis Rate Mismatch	Arises when the basis for interest charged on the securitized HELOCs is different from the basis for interest on the notes issued. For example, floating-rate notes indexed to the Canadian Dealer Offered Rate (CDOR) have a different interest rate than HELOC rates indexed to the prime rate.	<i>Swap Criteria for Canadian Structured Finance Transactions</i> or conservative stress scenario in cash flow model.
Currency Mismatch	Arises when the proceeds received on the securitized HELOCs are in a different currency than the principal and interest payments due under the note issuance.	<i>Swap Criteria for Canadian Structured Finance Transactions</i>
Cash Commingling	Commingling risk refers to the risk inherent in transactions where the servicer of the assets receives collections from the securitized assets and mixes the collected funds with its other funds between monthly remittance dates. If the servicer were to become bankrupt, it may be onerous and time-consuming or infeasible for the note investors to obtain access to the commingled funds.	<i>Legal Criteria for Canadian Structured Finance</i>
Bankruptcy of Originator or Seller	Transactions should be structured to ensure that the assets of the transaction are separate and remote from any claim that secured creditors may have if the originator or seller of the securitized assets files for bankruptcy. True-sale opinions are expected and reviewed on a transaction-by-transaction basis.	<i>Legal Criteria for Canadian Structured Finance</i>
Transaction Parties	Appropriate remedies should be clearly documented in case the financial strength of key transaction parties is weakened below acceptable levels by DBRS.	<i>Swap Criteria for Canadian Structured Finance Transactions</i> and <i>Legal Criteria for Canadian Structured Finance</i>
Conduit Liquidity	The funding of HELOCs by asset-backed commercial paper (ABCP) has inherent asset-liability duration mismatch and risk for the ABCP investors. To address the risk that market demand for ABCP may not be sufficient or the ABCP fails to roll over due to unforeseen events, all conduit sponsors should comply with DBRS conduit liquidity criteria, including Global Liquidity Standard (GLS) liquidity backup lines, in support of outstanding conduit notes.	<i>Rating Canadian ABCP and Legal Criteria for Canadian Structured Finance</i>

1. Methodologies are available at www.dbrs.com.



SUMMARY OF TRANSACTION MONITORING

Summary of Surveillance for Canadian HELOC Transactions

Debt Type	Information Reported	Frequency	Source and Results ¹
ABCP	Asset class, seller industry, seller rating, funded amount, initial credit enhancement, current credit enhancement, loss coverage, delinquency rate, performance ratios, deal rating.	Monthly	<ul style="list-style-type: none"> • Monthly servicer report provided by the seller or trustee. • <i>Monthly Canadian ABCP Report</i>
ABS	Originator, collateral description, types of credit enhancement available, program size, lead underwriter, original balance, current balance, coupon, expected maturity, legal maturity, current rating, reporting month, pool balance, debt balance, net loss rate, payment rate.	Monthly	<ul style="list-style-type: none"> • Monthly servicer report provided by the seller or trustee. • <i>Monthly Canadian ABS Report</i>
Private Term Transaction	Originator, collateral description, types of credit enhancement available, program size, lead underwriter, original balance, current balance, coupon, expected maturity, legal maturity, current rating, reporting month, pool balance, debt balance net loss rate, payment rate.	Monthly	<ul style="list-style-type: none"> • Monthly servicer report provided by the seller or trustee. • Not public.

1. DBRS monthly surveillance reports are available at www.dbrs.com.



SUPPLEMENTARY TABLES

Table 1: Summary of Stress Testing Multiples for Canadian HELOC Transactions

	AAA (sf)	AA (sf)	A (sf)	BBB (sf)	BB (sf)
Principal Payment Rate (reduction of base case)	35% to 50%	35% to 45%	30% to 40%	25% to 35%	10% to 20%

Table 2: Summary of Enhancement Guidelines for Canadian Insured HELOCs

For AAA/R-1 (high) Notes	Mortgage Insurer Credit Rating*	
	AA or Higher	AA (low)
Pool Weighted-Average Credit Score		
680 or higher	0.25%	0.5%
580 to 679	0.5%	1%
579 or less	1%	2%
Not available	0.5%	2%
For AA/R-1 (middle) Notes		
Pool Weighted-Average Credit Score	AA or Higher	AA (low)
680 or higher	0.2%	0.4%
580 to 679	0.4%	0.8%
579 or less	0.8%	1.6%
Not available	0.4%	1.6%
For "A"/R-1 (low) Notes		
Pool Weighted-Average Credit Score	AA or Higher	AA (low)
680 or higher	0.15%	0.3%
580 to 679	0.3%	0.6%
579 or less	0.6%	1.2%
Not available	0.3%	1.2%
For BBB/R-2 (high) Notes		
Pool Weighted-Average Credit Score	AA or Higher	AA (low)
680 or higher	0.125%	0.25%
580 to 679	0.25%	0.5%
579 or less	0.5%	1%
Not available	0.25%	1%

* Minimum acceptable mortgage insurer's rating is AA (low).

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