Market View

Economics and Strategy





May 2, 2022- (Vol. VI, No. 38)

\$111 billion provi bonds on the wall...

By Warren Lovely

... take some deals down, pass 'em around, \$104 billion provi bonds to go...

As promised, we're continuing with our post-budget provincial fiscal/financial round-up. Today's topic: Provincial bond issuance projections for 2022-23. Canada's provinces have collectively signaled \$111 billion in gross supply for the fiscal year that started April 1st (Table). That covers an aggregate deficit of \$33 billion, investment in tangible capital assets, assorted non-budgetary requirements and refinancings. Critically, this combined requirement is roughly \$40 billion lighter than what had been telegraphed just 12 months ago. Talk about supply relief.

Surprise, surprise... the three most populous provinces have the three largest programs. But Alberta's funding needs have been slashed as oil royalties and other revenues pour in. On a per capita basis, Alberta's 2022-23 requirement is less than 600 bucks or just 20% of the weighted average (Chart 1). So ya, there's a very legit technical underpinning to the rally in Alberta's basis, with fiscal upside likely greatest here too.

At \$111 billion, the implied monthly run-rate is just over \$9 billion, a pace the provinces collectively fell short of in the first month of the new fiscal year. Give a nod to Quebec Co. for getting off to a good start, while a couple others got the ball moving too. Given a later-than-usual budget, Ontario spent the past month on the sidelines but will be back in the swing of things soon enough... right up to the June 2nd election that is.

Despite the "official" label, gross funding requirements are preliminary in nature and/or subject to change. The prior year's final cash position has yet to be confirmed. Meanwhile, 2022-23 budgetary prospects are sure to evolve over the course of the year, although likely not as monumentally as in 2021-22. A final note: In most cases, official requirements do not include pre-funding towards the coming fiscal year, even though a few issuers (e.g., Quebec, Ontario) are regular pre-funders and will likely to opt to get an early start on non-trivial 2023-24 needs.

Table: Anatomy of a \$111 billion provincial gross borrowing requirement

NBF's 2022-23 provincial government borrowing program tracker: Official requirements & amount completed (as at 2-May-2022)

(g) Fiscal year is January – December; (h) Includes requirements for NB Municipal Finance Corp.; (i) Includes funding for N&L Hydro

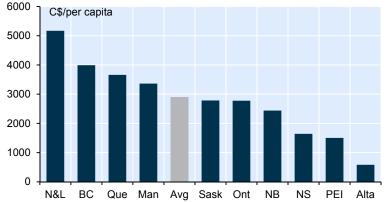
| Province / Agency | Ticker | Required ^a C\$bln | Required ^a C\$/per capita ^b | Completed ^c C\$bln | Domestic % | Foreign % | Remaining C\$bln | Funded Status % |
|--------------------------------------|--------|---------------------------------|--|----------------------------------|---------------|--------------|---------------------|--------------------|
| British Columbia | BRCOL | 21.01 | 3,991 | 1.00 | 100% | 0% | 20.01 | 5% |
| Alberta | ALTA | 2.62 | 584 | 0.00 | - | | 2.62 | 0% |
| Saskatchewan | SCDA | 3.30 | 2,785 | 0.00 | _ | | 3.30 | 0% |
| Manitoba | MP | 4.68 | 3,363 | 0.30 | 100% | 0% | 4.38 | 6% |
| Ontario ^d | ONT | 41.50 | 2,776 | 0.00 | _ | | 41.50 | 0% |
| Québec ^e | Q | 26.62 | 3,660 | 3.33 | 62% | 38% | 23.29 | 12% |
| Hydro-Québec ^{f,g} | QHEL | 5.00 | 3,000 | 2.20 | 100% | 0% | 2.80 | 44% |
| New Brunswick ^h | NBRNS | 1.94 | 2,439 | 0.20 | 100% | 0% | 1.74 | 10% |
| Nova Scotia | NS | 1.65 | 1,642 | 0.00 | _ | | 1.65 | 0% |
| Prince Edward Island | PRINCE | 0.25 | 1,503 | 0.00 | _ | | 0.25 | 0% |
| Newfoundland & Labrador ⁱ | NF | 2.70 | 5,168 | 0.00 | | | 2.70 | 0% |
| TOTAL | | 111.3 | 2,897 | 7.0 | 82% | 18% | 104.2 | 6% |

% FY elapsed:

Source: NBF, prov gov'ts, Bloomberg, StatCan | Notes: (a) Long-term gross funding requirement based on latest available estimates; includes refinancing requirements; in most cases, does not include prospective pre-funding for coming fiscal year (Manitoba is exception); (b) Per capita needs based on 2022:Q1 population estimates from StatCan; (c) Funds borrowed to date; (d) Includes certain hydro-related financing under province's banner; (e) Includes financing for Financement-Québec; (f) Funds in own name with explicit provincial quarantee;

Chart 1: Per capita funding needs collapse in Alberta

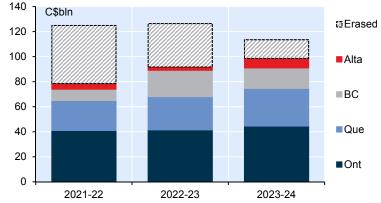
Provincial government 2022-23 per capita gross borrowing requirement



Source: NBF, prov gov'ts, StatCan | Note: Official long-term borrowing requirements scaled to 2022:Q1 population estimates; based on Budget 2022 projections

Chart 2: Evolution of funding needs at Big 4 provinces

Gross borrowing requirements for four largest provinces: 2022 budgets



Source: NBF, prov gov'ts | Note: "Erased" reflects combined reduction in gross requirements from Budget 2021 to Budget 2022

Market View

Economics and Strategy



Economics and Strategy

Montreal Office 514-879-2529

Stéfane Marion

Chief Economist and Strategist stefane.marion@nbc.ca

Kyle Dahms

Economist

kyle.dahms@nbc.ca

Alexandra Ducharme

Economist

alexandra.ducharme@nbc.ca

Matthieu Arseneau

Deputy Chief Economist matthieu.arseneau@nbc.ca

Daren Kina

Economist

daren.king@nbc.ca

Angelo Katsoras

Geopolitical Analyst angelo.katsoras@nbc.ca

Toronto Office 416-869-8598

Warren Lovely

Chief Rates and Public Sector Strategist warren.lovely@nbc.ca

Taylor Schleich

Rates Strategist taylor.Schleich@nbc.ca

General

This Report was prepared by National Bank Financial, Inc. (NBF), (a Canadian investment dealer, member of IIROC), an indirect wholly owned subsidiary of National Bank of Canada. National Bank of Canada is a public company listed on the Toronto Stock Exchange.

Jocelyn Paquet

jocelyn.paquet@nbc.ca

Economist

The particulars contained herein were obtained from sources which we believe to be reliable but are not guaranteed by us and may be incomplete and may be subject to change without notice. The information is current as of the date of this document. Neither the author nor NBF assumes any obligation to update the information or advise on further developments relating to the topics or securities discussed. The opinions expressed are based upon the author(s) analysis and interpretation of these particulars and are not to be construed as a solicitation or offer to buy or sell the securities mentioned herein, and nothing in this Report constitutes a representation that any investment strategy or recommendation contained herein is suitable or appropriate to a recipient's individual circumstances. In all cases, investors should conduct their own investigation and analysis of such information before taking or omitting to take any action in relation to securities or markets that are analyzed in this Report. The Report alone is not intended to form the basis for an investment decision, or to replace any due diligence or analytical work required by you in making an investment decision.

This Report is for distribution only under such circumstances as may be permitted by applicable law. This Report is not directed at you if NBF or any affiliate distributing this Report is prohibited or restricted by any legislation or regulation in any jurisdiction from making it available to you. You should satisfy yourself before reading it that NBF is permitted to provide this Report to you under relevant legislation and regulations.

National Bank of Canada Financial Markets is a trade name used by National Bank Financial and National Bank of Canada Financial Inc.

Canadian Residents

NBF or its affiliates may engage in any trading strategies described herein for their own account or on a discretionary basis on behalf of certain clients and as market conditions change, may amend or change investment strategy including full and complete divestment. The trading interests of NBF and its affiliates may also be contrary to any opinions expressed in this Report.

NBF or its affiliates often act as financial advisor, agent or underwriter for certain issuers mentioned herein and may receive remuneration for its services. As well NBF and its affiliates and/or their officers, directors, representatives, associates, may have a position in the securities mentioned herein and may make purchases and/or sales of these securities from time to time in the open market or otherwise. NBF and its affiliates may make a market in securities mentioned in this Report. This Report may not be independent of the proprietary interests of NBF and its affiliates.

This Report is not considered a research product under Canadian law and regulation, and consequently is not governed by Canadian rules applicable to the publication and distribution of research Reports, including relevant restrictions or disclosures required to be included in research Reports.

Market View

Economics and Strategy



UK Residents

This Report is a marketing document. This Report has not been prepared in accordance with EU legal requirements designed to promote the independence of investment research and it is not subject to any prohibition on dealing ahead of the dissemination of investment research. In respect of the distribution of this Report to UK residents, NBF has approved the contents (including, where necessary, for the purposes of Section 21(1) of the Financial Services and Markets Act 2000). This Report is for information purposes only and does not constitute a personal recommendation, or investment, legal or tax advice. NBF and/or its parent and/or any companies within or affiliates of the National Bank of Canada group and/or any of their directors, officers and employees may have or may have had interests or long or short positions in, and may at any time make purchases and/or sales as principal or agent, or may act or may have acted as market maker in the relevant investments or related investments discussed in this Report, or may act or have acted as investment and/or commercial banker with respect hereto. The value of investments, and the income derived from them, can go down as well as up and you may not get back the amount invested. Past performance is not a guide to future performance. If an investment is denominated in a foreign currency, rates of exchange may have an adverse effect on the value of the investment. Investments which are illiquid may be difficult to sell or realise; it may also be difficult to obtain reliable information about their value or the extent of the risks to which they are exposed. Certain transactions, including those involving futures, swaps, and other derivatives, give rise to substantial risk and are not suitable for all investors. The investments contained in this Report are not available to retail clients should not act or rely upon the information in this Report. This Report does not constitute or form part of any offer for sale or subscription of or solicitation of any offer to buy or s

This information is only for distribution to Eligible Counterparties and Professional Clients in the United Kingdom within the meaning of the rules of the Financial Conduct Authority. NBF is authorised and regulated by the Financial Conduct Authority and has its registered office at 70 St. Mary Axe, London, EC3A 8BE.

NBF is not authorised by the Prudential Regulation Authority and the Financial Conduct Authority to accept deposits in the United Kinadom.

U.S. Residents

With respect to the distribution of this report in the United States of America, National Bank of Canada Financial Inc. ("NBCFI") which is regulated by the Financial Industry Regulatory Authority (FINRA) and a member of the Securities Investor Protection Corporation (SIPC), an affiliate of NBF, accepts responsibility for its contents, subject to any terms set out above. To make further inquiry related to this report, or to effect any transaction, United States residents should contact their NBCFI registered representative.

This report is not a research report and is intended for Major U.S. Institutional Investors only.

This report is not subject to U.S. independence and disclosure standards applicable to research reports.

HK Residents

With respect to the distribution of this report in Hong Kong by NBC Financial Markets Asia Limited ("NBCFMA") which is licensed by the Securities and Futures Commission ("SFC") to conduct Type 1 (dealing in securities) and Type 3 (leveraged foreign exchange trading) regulated activities, the contents of this report are solely for informational purposes. It has not been approved by, reviewed by, verified by or filed with any regulator in Hong Kong. Nothing herein is a recommendation, advice, offer or solicitation to buy or sell a product or service, nor an official confirmation of any transaction. None of the products issuers, NBCFMA or its affiliates or other persons or entities named herein are obliged to notify you of changes to any information and none of the foregoing assume any loss suffered by you in reliance of such information.

The content of this report may contain information about investment products which are not authorized by SFC for offering to the public in Hong Kong and such information will only be available to, those persons who are Professional Investors (as defined in the Securities and Futures Ordinance of Hong Kong ("SFO")). If you are in any doubt as to your status you should consult a financial adviser or contact us. This material is not meant to be marketing materials and is not intended for public distribution. Please note that neither this material nor the product referred to is authorized for sale by SFC. Please refer to product prospectus for full details.

There may be conflicts of interest relating to NBCFMA or its affiliates' businesses. These activities and interests include potential multiple advisory, transactional and financial and other interests in securities and instruments that may be purchased or sold by NBCFMA or its affiliates, or in other investment vehicles which are managed by NBCFMA or its affiliates that may purchase or sell such securities and instruments.

No other entity within the National Bank of Canada group, including National Bank of Canada and National Bank Financial Inc, is licensed or registered with the SFC. Accordingly, such entities and their employees are not permitted and do not intend to: (i) carry on a business in any regulated activity in Hong Kong; (ii) hold themselves out as carrying on a business in any regulated activity in Hong Kong; or (iii) actively market their services to the Hong Kong public.

Copyright

This Report may not be reproduced in whole or in part, or further distributed or published or referred to in any manner whatsoever, nor may the information, opinions or conclusions contained in it be referred to without in each case the prior express written consent of NBF.