

Annual Report 2021

Strength Performance Resilience

pspp.pensionsbc.ca

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The value of resilience

A message from your trustees

As life begins to move toward a "new normal," it's a good time to reflect on the importance of resilience to continued growth. Resilience helps us go beyond the challenges of today, adjust to changes and find opportunities to move forward. Resilience helps us continue our journey in a positive direction.

Despite the challenges of the past year, we've seen positive growth in the plan—plan investments increased, the plan is fully funded and we've moved forward in our efforts to improve the sustainability of group health benefits.

We are pleased to share with you the plan's financial results for 2020/21 and the latest valuation results. They show us the plan is strong, secure and well positioned to meet both the challenges and opportunities of the future.

Investment returns build the future

For the fiscal year ended March 31, 2021, the plan grew from \$33.6 billion to \$38.9 billion. The investment portfolio returned 17.3 per cent against the benchmark return of 21.0 per cent. Thanks to the experts at British Columbia Investment Management Corporation (BCI) working on behalf of the plan, the portfolio exceeded its long-term actuarial return of 6.0 per cent, earning 9.7 per cent over 5 years and 9.3 per cent over 10 years.

The latest valuation determines the plan is fully funded

The valuation results for the year ended March 31, 2020, show the plan's funding ratio is 109.6 per cent. The plan has actuarial assets of \$30.5 billion, exceeding the actuarial liabilities of \$27.8 billion, leaving the plan with surplus funds of \$2.7 billion.

A plan for surplus funds

Decisions about the valuation surplus support our strategic objectives. The plan's Joint Trust Agreement and funding policy provide clear guidance on how we may use surplus funds:

- Create a rate stabilization reserve to cushion contribution rates against future increases
- Transfer a portion of surplus funds to the inflation adjustment account, which helps to offset future increases in the cost of living for retired members

- > Reduce contribution rates for members and employers
- > Improve pension benefits
- > Leave some or all of the surplus funds in the basic account

It's important that our decisions are sustainable and equitable to members and employers. We will provide information about surplus fund allocation through the plan website in late fall 2021.

Sustainable improvements to group health benefits

Last year, we completed a comprehensive review of group health benefits, which included an analysis of claims data, comparison of similar plans, and review of administrative expenses and premiums. We also received member feedback through an engagement survey last fall.

After evaluating the options and information we received, we approved changes to the group health benefits program that will ensure it remains sustainable. We announced the changes to our members in July 2021.

Making group health benefits available to retired members is a priority, but these are non-guaranteed benefits that are subject to funding limits. Adapting the group health benefit coverage from time to time ensures we're able to keep these benefits sustainable.

A happy retirement from the board

And finally, we offer our deep gratitude to David Vipond as we bid him goodbye. David was a founding member of the Public Service Pension Board of Trustees from the plan's joint trusteeship in 2001 through to March 31, 2021. He acted as board chair or vice-chair from 2007 to 2021. In addition to his duties as a plan trustee, David served on BC Pension Corporation's board of directors from 2011 to 2020 and on the Interplan Investment Committee alongside trustees from the College and Teachers' pension plans. David's expertise, insight and perseverance provided the plan with strong guidance through times of transition and helped to build it into what it is today. We wish David well on the next phase of his journey.

Who we are

The plan is jointly sponsored, managed by trustees appointed by the employer partner (Government of BC) and the member partner (British Columbia General Employees' Union). The trustees themselves appoint a chair and vice-chair. The board appoints trustees to serve as directors of the BC Pension Corporation, the plan's administrative agent, and BCI, the plan's investment agent.

During the fiscal year, David Vipond and Chan-Seng Lee served as directors of BC Pension Corporation, and Paul Finch served as a director of BCI. Learn about the trustees and their backgrounds at pspp.pensionsbc.ca/board-trustees.



David Vipond, chair Appointed by: British Columbia General Employees' Union Committees: Benefits Board term: 2001–2021



Tom Vincent, vice-chair **Appointed by:** Province of British Columbia **Committees:** Interplan Investment (chair), Interplan Trustee Education, Benefits (chair), Governance, Responsible Investment **Board term:** 2009–present



Alyson Blackstock Appointed by: Province of British Columbia Committees: Benefits Board term: 2018–present



Wanda Boden Appointed by: Province of British Columbia (nominated by the British Columbia Excluded Employees' Association) Committees: Benefits, Interplan Audit (chair) Board term: 2019–present



Troy Clifford **Appointed by:** British Columbia General Employees' Union (nominated by the unions, other than the BCGEU, that collectively bargain on behalf of plan members) **Committees:** Benefits, Communications, Responsible Investment, Interplan Trustee Education **Board term:** 2017–present



Doug Dykens Appointed by: British Columbia General Employees' Union Committees: Benefits, Governance Board term: 2019–present



Paul Finch Appointed by: British Columbia General Employees' Union Committees: Communications, Benefits Board term: 2014–present



Lawrence Johnson Appointed by: British Columbia Government Retired Employees' Association Committees: Interplan Investment, Communications (chair), Benefits, Governance Board term: 2007–present



Chan-Seng Lee Appointed by: Province of British Columbia (nominated by the Crown Corporation's Employers' Association) Committees: Interplan Investment, Benefits Board term: 2010–present



Tiffany Ma **Appointed by:** Province of British Columbia **Committees:** Benefits, Communications **Board term:** 2019–present



Maria Middlemiss Appointed by: British Columbia General Employees' Union Committees: Benefits, Governance, Communications Board term: 2017–present



Harpinder Sandhu Appointed by: British Columbia General Employees' Union (nominated by the unions, other than the BCGEU, that collectively bargain on behalf of plan members) Committees: Benefits, Communications, Responsible Investment Board term: 2015–present



Angie Sorrell Appointed by: Province of British Columbia Committees: Benefits, Communications, Responsible Investment (chair), Governance Board term: 2018–present



Kelly Wheeler

Appointed by: Province of British Columbia Committees: Benefits, Governance (chair), Interplan Audit Board term: 2018–2021

Plan highlights

The plan by the numbers

(as at March 31, 2021)

YEAR AT A GLANCE (\$ MILLIONS)

33,623 + 5,896 + 849 - 1,323 - 121 = 38,924 Net assets Investment Contributions Benefits Investment and Net assets

April 1, 2020

income

payments

administration

March 31, 2021

INVESTMENTS

TOTAL PLAN NET ASSETS

\$38.9 billion

INCREASE IN NET ASSETS

\$5.3 billion

RATES OF RETURN

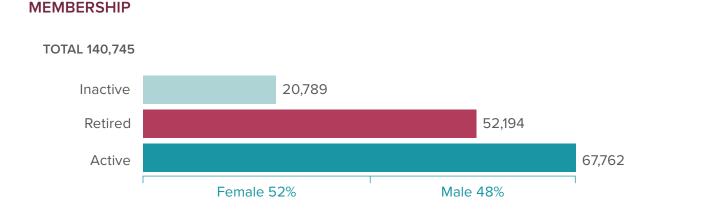
17.3% Annual

9.3% 10-year annualized

PERFORMANCE BENCHMARKS

21.0% Annual

8.2% 10-year annualized





Investments Performance over time

The plan's fiscal year ending March 31, 2021, was historically eventful in capital markets. The global economy experienced significant disruptions as the outbreak of COVID-19 spread and then rebounded with support from unprecedented fiscal stimulus and monetary policy. As a result, capital markets were volatile.

Despite these extraordinary events, the plan's investment portfolio remained secure. Although BCI could not have predicted the catalyst for the market downturn in March 2020, preparations had been in place for a market downturn for some time. As a result, when the markets fell in early 2020, the plan was in a strong financial position, with ample liquidity, and was not forced to sell assets.

Over the year, the plan's assets increased from \$33.6 billion in March 2020 to \$38.9 billion, driven in large part by the one-year return of 17.3 per cent. This is below the benchmark return of 21.0 per cent as some assets were greatly affected by the economic implications of the COVID-19 pandemic.

Over the long-term period, the plan's investment portfolio performed well above its actuarial return objective of 6.0 per cent. The five-year annualized return of 9.7 per cent outperformed the benchmark of 9.1 per cent, and the ten-year return of 9.3 per cent outperformed the benchmark of 8.2 per cent. Strong long-term returns underscore the financial health and stability of the plan.

Public market investments outperformed benchmarks for the one-year and five-year periods. Public equities returned 40.6 per cent against a 38.0 per cent benchmark over the year,¹ and 12.6 per cent against a benchmark of 12.3 per cent over five years.¹ BCI kept ahead of the surging public equity market during the period while avoiding highly speculative and lower-quality investments. BCI's strategy of internalizing public equity asset management away from high-cost external managers and pursuing high-conviction strategies contributed to outperformance.

Over the year, the plan's assets increased from \$33.6 billion in March 2020 to \$38.9 billion, driven in large part by the one-year return of **17 00/**

17.3%

¹ As of March 31, 2021.

	Year	Investment returns (%)	Performance benchmark ¹ (%)
Annual rates	2021	17.3	21.0
	2020	3.1	(0.4)
	2019	6.2	5.8
	2018	9.8	8.0
	2017	12.8	12.2
Five-year	2021	9.7	9.1
annualized rates	2020	6.3	5.0
Ten-year	2021	9.3	8.2
annualized rates	2020	8.7	7.1

Investment performance market value rates of return

Real estate, and particularly commercial real estate, was the hardest-hit market as social distancing measures directly affected commercial leasing activity. Over the one-year period, real estate returned 3.8 per cent against a benchmark of 6.8 per cent. Over the five-year period,¹ real estate returned 6.0 per cent against a benchmark of 6.0 per cent.

The plan's real estate investments have always maintained a low exposure to the retail sector. In the past year, the plan increased its exposure to warehouse and logistics properties, which benefited from the accelerated shift to e-commerce during the COVID-19 pandemic. In the first quarter of 2021, real estate saw increased activity as markets stabilized in reaction to vaccine developments and rollouts.

The plan's fixed income portfolio returned 2.8 per cent for the one-year period, underperforming the benchmark of 3.2 per cent. Underperformance was driven by the portfolio's conservative position as yields rose to pre-pandemic levels and higher risk securities were favoured. The leveraged bond fund (asset portfolio) was particularly affected by this conservative stance, underperforming its benchmark by 0.4 per cent. However, other assets within the fixed income portfolio outperformed, including corporate bonds, which returned 15.1 per cent against a benchmark of 14.5 per cent. Over the five-year period,¹ the plan's fixed income portfolio outperformed, returning 3.1 per cent against a benchmark of 2.6 per cent.

¹ As of March 31, 2021.

Investments: Performance over time

Private equity returned 11.6 per cent over the one-year period,¹ underperforming the benchmark return of 38.5 per cent due to the price appreciation in public markets which is reflected in the benchmark. In addition, as of March 31, some private equity investments had not been recently assessed for value. Private equity assets typically have an investment horizon spanning five years or more, and therefore it is more appropriate to focus on longer-term performance. Over the five-year period,¹ private equity returned a strong 16.8 per cent, outperforming the benchmark of 14.6 per cent.

Infrastructure and renewable resources (I&RR) returned 4.1 per cent against a benchmark of 7.0 per cent over one year,¹ and 9.3 per cent against the benchmark of 7.0 per cent over five years.¹ As of March 31, some I&RR assets had not been recently assessed for value. I&RR investments have the longest horizon within the plan's portfolio and are better assessed over a five-year period.



PSPP member Tricia Hotchkiss

¹ As of March 31, 2021.

	2021	2020	2019	2018	2017
Increase in assets					
Investment income	\$5,896	\$1,094	\$1,993	\$2,906	\$3,381
Contributions					
Employers	455	432	401	375	353
Members	378	359	332	318	308
Transfers from other plans	16	11	10	12	21
fotal increase in assets	6,745	1,896	2,736	3,612	4,063
Decrease in assets					
Pension benefits	1,170	1,121	1,062	1,010	962
Termination benefits	111	97	80	82	76
Transfers to other plans	18	14	14	9	12
Retired member group benefits	24	24	22	21	21
Investment and administration costs ¹	121	89	85	95	68
Fotal decrease in assets	1,444	1,345	1,263	1,218	1,139
ncrease (Decrease) in net assets Net assets available for benefits	5,301	551	1,473	2,394	2,924
t beginning of year	33,623	33,072	31,599	29,205	26,281
Net assets available for benefits at end of year	\$38,924	\$33,623	\$33,072	\$31,599	\$29,205
nvestment and administration costs as a percentage of net assets $(\%)^1$					
Investment management ^{1,2}	0.41%	0.37%	0.30%	0.36%	0.25%
Benefits administration	0.06%	0.07%	0.08%	0.06%	0.06%

1 Investment costs as a percentage of net assets include certain external investment management costs totalling \$48.4 million (2020-\$60.3 million; 2019-\$37.4 million; 2018-\$31.8 million; 2017-\$18.4 million) that are netted against investment income; they are not included in investment and administration costs in the financial statements.

2 Investment and administration costs as a percentage of net assets exclude external indirect investment management costs netted against investment income. This is consistent with current industry practice; including these costs increases investment management costs as a percentage of net assets by 35 basis points in the 2021 fiscal year. External indirect investment management costs include limited partnership costs incurred within investments held in the private equity, infrastructure and global real estate asset classes.

Market outlook

The global economic recovery continues to progress as vaccination rates increase and economies are able to reopen. Regional differences in recovery have emerged due to both the timing and severity of the pandemic's impact as well as the speed at which governments have been able to implement vaccination programs. The services sector is expected to bounce back in the second half of 2021 as lockdowns are lifted and consumers are able to spend accumulated savings. Monetary policy continues to support economic growth with stimulus packages, and while longer-term bond yields have risen, they have not posed a significant headwind to markets yet. Government spending will continue to play a significant role in the recovery. In particular, the \$1.9 trillion U.S. stimulus bill passed in March 2021 as well as the European Union recovery fund will help support global growth.

Risk management

The board and BCI have the important responsibility of managing investment risk, since for every pension dollar a member receives, about 75 cents comes from investment income.

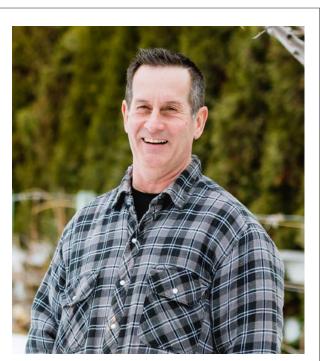
The board takes a long-term approach to investing as the plan's commitment to its members is long term in nature. To achieve the plan's long-term investment goals, the board and BCI have built a diversified portfolio that is invested in multiple asset types (e.g., bonds, mortgages, equities, real estate, infrastructure, private equity), industry sectors and global markets. Maintaining a well-diversified portfolio is a critical aspect of risk management, as it limits the impact on the whole portfolio when there are losses in any particular asset type.

The plan's overall framework for managing assets is governed by the plan's Statement of Investment Policies and Procedures (SIPP), which is established and updated by the board. BCI is responsible for implementing the investment strategy and working toward the financial goals as outlined in the SIPP. The board oversees and monitors the performance of BCI in carrying out this responsibility. Maintaining a welldiversified portfolio is a critical aspect of risk management, as it limits the impact on the whole portfolio when there are losses in any particular asset type.

Total public equity exposure—worldwide				
Security	% of public equity	Total exposure (\$ millions)		
Apple Inc.	1.7	231		
Microsoft Corporation	1.7	226		
Taiwan Semiconductor Manufacturing	1.7	220		
Fencent Holdings Ltd.	1.4	181		
Samsung Electronics Co. Ltd.	1.3	177		
Amazon.com Inc.	1.2	166		
Royal Bank of Canada	0.8	106		
JnitedHealth Group Inc.	0.8	102		
Mastercard Inc.	0.7	98		
Alphabet Inc. Class C	0.7	89		
Foronto-Dominion Bank	0.7	87		
Facebook Inc.	0.6	84		
Alphabet Inc. Class A	0.6	78		
Fraport Ag Frankfurt Airport	0.5	70		
Nike Inc.	0.5	66		
CVS Health Corporation	0.5	65		
Fidelity National Information Service Inc.	0.5	65		
Koninklijke Philips NV	0.5	62		
SAP SE	0.5	62		
Iberdrola SA	0.5	60		
Brookfield Asset Management Inc.	0.5	60		
Visa Inc.	0.4	59		
Fesla Inc.	0.4	58		
Canadian Pacific Railway Ltd.	0.4	56		
Bank of Nova Scotia	0.4	55		
Fotal top 25	19.5	2,583		
Fotal public equity		13,257		
Total portfolio		38,924		

Investment asset mix and performance (%)

Asset class	Approved range	Target allocation	Actual allocation	One-year rate of return	Performance benchmark
Short-term	0-10	2	2.6	(5.9)	(5.8)
Mortgages	0-10	4	3.8	4.1	2.8
Private debt	0-10	5	3.5	10.9	14.9
Government bonds	5-35	23	11.5	0.3	1.2
Corporate bonds	0-10	6	5.2	15.1	14.5
Combined fixed income	15-55	40	26.6	2.8	3.2
Canadian equities	0-10	3	3.9	44.1	44.2
Global equities	10-30	15	22.8	39.2	35.9
Emerging markets equities	0-12	6	7.4	42.5	39.9
Private equity	5-25	15	13.5	11.6	38.5
Combined equity	25-60	39	47.6	32.9	38.2
Real estate	10-25	18	15.0	3.8	6.8
IRR ¹	5-20	13	10.9	4.1	7.0
Other	0-5	0	(0.1)	n/a	n/a
Total		110	100.0	17.3	21.0



PSPP member Carl Withler

	Market value (\$ millions)	Asset mix market value (%)
Short-term		
Money market	1,006	2.6
Short-term bonds (1–5 years)	_	0.0
_	1,006	2.6
Bonds		
Government bonds	4,328	11.1
Leveraged bonds	166	0.4
Corporate bonds	2,008	5.2
	6,502	16.7
Mortgages	1,476	3.8
Private debt	1,382	3.5
Canadian equities	1,506	3.9
Global equities	8,879	22.8
Emerging markets	2,873	7.4
Real estate	5,856	15.0
Private equity	5,247	13.5
IRR ¹	4,246	10.9
Cash and unsettled trades	6	0.0
Currency hedging	(55)	(0.1)
Total investments	38,924	100.0
2020 comparison	33,623	

Investment hold (\$ billions) as at March 31, 20	U	market	value
Global equities	\$8.9	23%	
Bonds	\$6.5	17%	
Real estate	\$5.9	15%	
Private equity	\$5.2	13%	
IRR ¹	\$4.2	11%	
Emerging markets equities	\$2.9	7%	
Canadian equities	\$1.5	4%	
Mortgages	\$1.5	4%	
Private debt	\$1.4	3%	
Short-term	\$1.0	3%	
1 Infrastructure and 1			es.

Responsible investing

Responsible investing is an integral part of the plan's investment approach. The board and BCI believe that assessing and managing risk over the long term is the cornerstone of responsible investing, and fundamental to meeting the mandate to grow and protect the value of the plan. Taking environmental, social and governance (ESG) matters into account enables us, as investors, to better understand the opportunities, and manage and mitigate the risks associated with long-term investments. BCI and the board believe that companies that employ robust ESG practices are better positioned to generate long-term value for investors than are similar companies with less favourable practices.

ESG considerations are integrated into BCI's investment analysis, decisions and processes. As an active manager, BCI monitors ESG factors and engages with companies to raise awareness that good corporate governance is the overarching framework for effectively managing opportunities and risks. BCI uses its influence as a shareholder to encourage companies to manage and report on ESG practices.

It is important to the board to collaborate with like-minded investors and organizations. The board and BCI are signatories to the Principles for

Responsible Investment (PRI), an international network of investors coordinated by the United Nations that share the goal of incorporating ESG elements into the processes and activities of institutional investors. BCI and the board's approach to responsible investing are aligned with the PRI, which provides a set of principles for institutional investors to consider as they integrate ESG factors into their investment processes and analysis, ownership activities and interactions with long-term investors. As part of this commitment, both the board and BCI take part in an annual PRI assessment to measure their progress against meeting the PRI principles.

In addition, the board supports BCI in responsible investing as a member of the steering committee for the 30% Club, which advocates for companies to enhance gender diversity, and the Sustainability Accounting Standards Board, which has a mandate to promote standards of sustainability reporting.



PSPP member Elaine Coldwell

Climate change is a concern for the board, plan members and global investors. BCI's Climate Action Plan is informed by scientific consensus and helps keep your pension secure. It also ensures that BCI can capitalize on investment opportunities arising from the transition to a lower-carbon economy while managing the associated physical and investment risks. By measuring the exposure to climate-related risks and assessing market trends, BCI is able to limit the plan's climate change risk.

BCI collaborates with a number of other organizations to advance its objectives in mitigating climate change risks. These include the International Corporate Governance Network, CDP (formerly Carbon Disclosure Project) and Investor Network on Climate Risk.

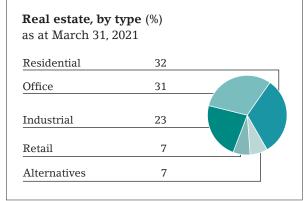
BCI is also a signatory to Climate Action 100+. This investor-organized initiative encourages the world's largest corporate greenhouse gas emitters to take meaningful action to curb their emissions. BCI leads, co-leads or serves in a supporting role in engaging with 10 North American companies in the oil and gas, mining and utility sectors.

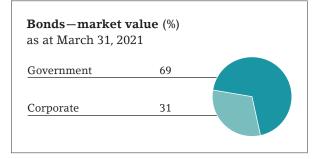
In 2020, Gordon J. Fyfe, the CEO/CIO of BCI, issued a joint statement along with the seven other CEOs of Canada's leading pension plan investment managers. Together as the "Maple 8," they called on companies and investors to provide consistent and complete ESG information to strengthen investment decision making and better manage their collective ESG risk exposures.

Managing investment costs

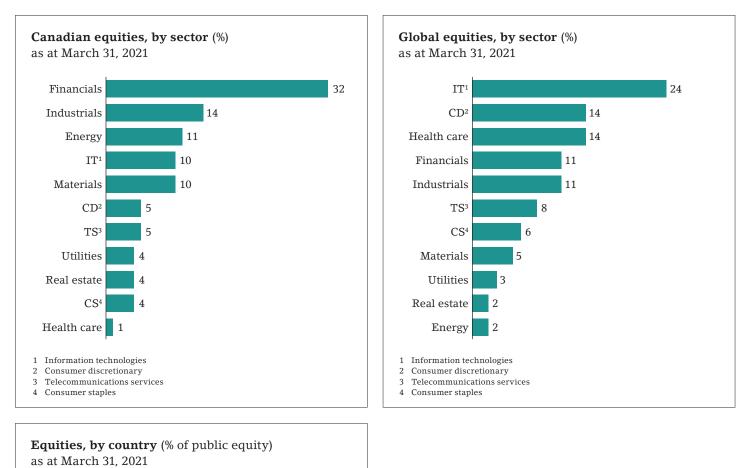
BCI operates on a cost-recovery, not-for-profit basis, meaning the plan pays fees only to cover the cost of managing the investments. Since BCI manages a large amount of assets, it has access to significant economies of scale when investing on behalf of the plan. Managing investment costs is important to the board, and BCI's fees continue to be much lower than those charged by investment managers in the private sector.

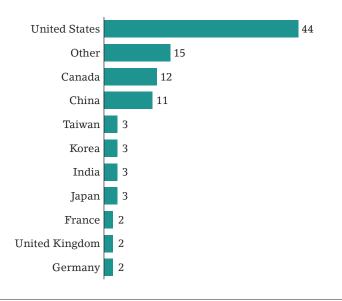
Select asset class investments





Real estate, by loc as at March 31, 202	. ,	
International	48	
Ontario	23	
British Columbia	16	
Alberta	11	
Rest of Canada	2	





In the Public Service Pension Plan, a lifetime pension is based on a calculation that uses members' ages, their years of pensionable service and the average of the best five years of their salaries (not necessarily the last five years). The plan is pre-funded, which means enough money is set aside through contributions and investments to pay lifetime pensions now and into the future. Once members make their first contribution, they are entitled to apply for a pension at their earliest retirement age. The plan also provides survivor and disability benefits.

Contributions

Active members contribute to the plan through automatic payroll deductions. Employers and members make pension contributions to the basic account and inflation adjustment account. Members stop contributing to the plan if they

- > end employment,
- reach 35 years of pensionable service,
- > retire, or
- > begin to receive benefits from an approved group disability plan.

Contributions ¹ (% Rates effective Apr		
Account	Member	Employer
Basic ²	7.10	7.10
IAA ³	1.25	2.75
Total	8.35	9.85

1 Rates apply to most members, excluding groups with higher contribution rates (correctional members, ambulance paramedics, some statutory officers, judges, members of the legislative assembly and masters of the court).
Note: the flat rate for paramedics use effective August 1, 2018 (not April 1, 2018) like the result.

Note: the flat rate for paramedics was effective August 1, 2018 (not April 1, 2018 like the regular membership).

- 2. Members and employers both contribute to the basic account to provide for lifetime pensions.
- 3. Inflation adjustment account (IAA). Members and employers also contribute to the IAA to provide for inflation adjustments. Inflation adjustments are not guaranteed. Retirement group health benefits are partially funded from a portion of employer contributions provided for this purpose, and partially funded from benefit premiums paid by plan members.

Beyond the lifetime pension benefit

As at March 31, 2021, the average annual pension in pay is \$22,862 and the median is \$19,224. Figures are gross amounts; they indicate all pensions in pay and include bridge and temporary annuities.

or the v	ear ended March	31				
or the j		-			(\$ millions)	
	New pensions during year	Pension terminations	In pay at end of year	Basic pension paid	Inflation supplements paid	Total pensions paid
2021	2,201	963	52,194	\$976.7	\$193.5	\$1,170.2
2020	2,431	1,021	50,956	938.4	182.9	1,121.3
2019	2,575	921	49,546	893.9	167.8	1,061.7
2018	2,510	900	47,892	852.3	158.2	1,010.5
2017	2,466	1,050	46,282	809.6	152.3	961.9

Average value of new pensions by years of service and age

for the year ended March 31, 2021

		Averag		
Years of service ¹	Number of new pensions	Annual salary base	Annual lifetime pension ²	Median annual lifetime pension ²
< 10 years	448	\$72,000	\$ 5,900	\$ 4,300
10 < 15	315	69,800	13,000	11,100
15 < 20	263	73,300	19,400	15,900
20 < 25	312	74,900	25,400	19,800
25 < 30	430	77,300	31,300	27,500
30 < 35	302	74,600	34,700	31,200
≥ 35 years	131	75,300	37,100	31,800
Total	2,201	n/a	n/a	n/a
Average all new lifetime pensions		\$73,900	\$22,100	\$18,600
Age	61			
Years of service	20			

1 Includes service transferred from other plans.

2 Does not include value of bridge benefits. Members receive the bridge benefit, if applicable, until they turn 65, at which point the bridge benefit stops.

Additional components and service options

Beyond the lifetime pension, several non-guaranteed components and service options are available to members.

Inflation adjustments in retirement

Inflation adjustments help our retired members' pensions keep pace with increases in the cost of living. Providing future inflation adjustments is not guaranteed. Inflation adjustments are granted only when enough funds are available in the inflation adjustment account (IAA).

Both active members and employers contribute to the IAA. Part of employers' contributions, up to a fixed proportion, helps pay for retirement group health benefits. The remaining contributions are deposited into the IAA and, together with active members' contributions and investment returns, pay for inflation adjustments.

Once an inflation adjustment is granted to retired members, it becomes part of their lifetime pension. For members receiving the bridge benefit, previous indexing of the bridge benefit ends at the same time as their bridge benefit, at age 65 or death (whichever comes first).

For service accrued on or after April 1, 2018 (April 1, 2020, for ambulance paramedics), the bridge benefit does not apply (although correctional members still receive the bridge benefit for all service).

Retirement health benefits

The Public Service Pension Plan provides access to group coverage, including extended health care (EHC) and group life insurance. Coverage is not guaranteed. This means the board may change coverage and subsidies at any time.

The plan subsidizes a portion of the premiums for retired members' EHC, and the amount depends on the member's pensionable service. The subsidies are funded by a small portion of employers' contributions that are provided for the purpose.

The plan does not subsidize EHC premiums for spouses and dependants of retired members. Retired members must pay the full premiums for any EHC and dental coverage they choose for their spouse or dependants.

The plan does not subsidize dental premiums. Retired members choosing to participate must pay their full premium for dental coverage.

The plan may also pay group life insurance subsidies for retired members under age 65 who had access to the group life insurance plan through their employer when they were active employees.

Changes to retirement health benefits

The drug plan for retired members is changing January 1, 2022. The board is making changes to the plan's retirement group health benefits to ensure its sustainability and improve coverage for most prescription drugs. For more information, visit the plan website.

Termination and refund benefits

Members who leave the plan but have not yet reached the earliest retirement age may choose one of the following:

- Defer their pension
- Transfer the commuted value of their pension (the minimum value is their contributions plus interest) to a locked-in retirement account or similar tax-deferred plan

If members leave the plan having reached their earliest retirement age, they may choose one of the following:

- > Defer their pension
- > Take an immediate pension (which may be reduced)

Service transfers

When moving to an employer with a different pension plan, members may be able to transfer their service if a transfer agreement is in place between the pension plans. However, it may be in the best interest of members in this situation to leave their benefit in the Public Service Pension Plan, as they may be eligible to receive a lifetime pension when they reach their earliest retirement age.

Service purchases

Members may be able to increase their future pension by buying service—paying for periods of employment not already counted as service with the plan. Examples include:

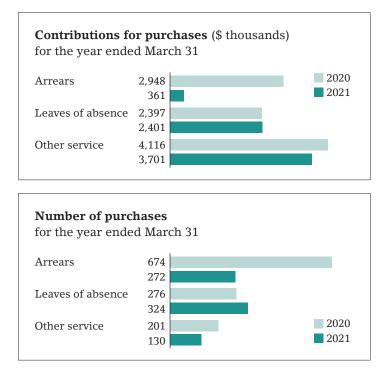
- Leaves of absence (such as pregnancy, parental, compassionate care and general leaves)
- Arrears contributions (occurring if a member was not enrolled properly or if their contributions were not deducted and remitted)
- Time worked for an employer before the employer joined the plan
- Non-contributory service (employment service with a plan employer from before an employee became a member)

Depending on the type of service they choose to buy, members may be responsible for paying both the employee and employer portions, or just the employee portion. For more information on buying service, visit the plan website.



PSPP member Andrew Lee

For the fiscal year ended March 31, 2021, there were 726 purchases of service with a total contribution of about \$6.5 million. This is a decrease from 2020, where there were 1,151 purchases of service with a total contribution of about \$9.5 million.



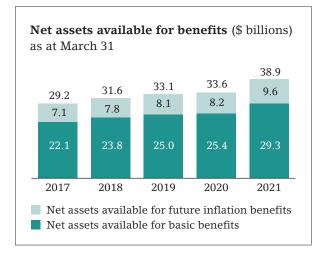
Temporary annuities

Members can buy an optional temporary annuity (additional monthly payment) to increase their monthly income until age 65 or death, whichever comes first. If members do buy a temporary annuity, their basic lifetime pension income after age 65 will be lower than it would be if they did not buy the annuity. Members who retire at an earlier age will pay a higher amount for the temporary annuity.

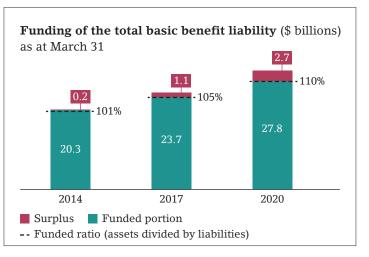
In 2019, the board created a new half temporary annuity option. Members may choose this option because the temporary monthly payments are half of the full temporary annuity payments, meaning they will incur a smaller decrease in their lifetime pension income. This option is based on half of the maximum old age security pension and is payable to age 65 or death.

2020 valuation results

The Public Service Pension Plan's most recent valuation shows its funded ratio is 109.6 per cent. Conducted as at March 31, 2020, the valuation confirmed solid results that demonstrate the plan's strong financial health. The valuation showed that the plan's basic account, which pays lifetime pensions, had actuarial assets of about \$30.5 billion exceeding the actuarial liabilities of \$27.8 billion, leaving the plan with surplus funds of \$2.7 billion. This confirms the plan is fully funded and remains in a strong financial position.



For more information on valuation results, visit the plan website.



Funding ratios 2014 to 2020 (%)		
Ratio		
110.0		
105.0		
101.0		

Services and communications

Plan website and My Account

The plan website is an excellent source of pension plan information, providing the resources and tools members need to make the most of their plan.

Members can sign in to My Account on the plan website for instant access to their personal pension information. My Account offers members personalized pension and purchase cost estimators to help with their planning, service and salary summaries, the ability to update their beneficiary information and the ability to apply for their pension online once they are ready to retire. Members can also opt in to paper-free communications through My Account. This option will allow them to receive important notifications and pension information online.

Member services

Some aspects of pension and retirement planning can be challenging. In cases where members need more personalized support, the plan has skilled staff available by phone, email and Message Centre (within My Account) to assist members with issues like marital breakdowns, the death of a spouse, retirement planning questions, employment transfers and more.

Pension communications

The plan's website offers members access to a wealth of pension information and educational content. Members can learn about different features of their pensions and initiate services online through My Account. New information is added regularly.

The option to select paper-free communications is also available through My Account, and more online options will be included over time.

Member workshops

Educational resources for plan members include the online introduction *Getting to Know Your Pension* and two webinars: *Making the Most of Your Pension* and *Approaching Retirement*. Designed to help educate members at all career stages, these online workshops make important information available to members at their convenience.

Plan participants

The people and organizations in the plan

Members

Membership in the plan is open to all eligible employees of the provincial public service or other employers approved by the board. Once an employee begins contributing to the plan, contributions will continue as long as the member remains with a plan employer or until they have completed 35 years of pensionable service. (For a list of employers in the plan, see the Appendix.)

As at March 31, 2021, the number of active plan members had an annual increase of 1.4 per cent, while the number of retired members increased by 2.4 per cent.



PSPP retired member Wendy Ackinclose



PSPP retired member Brian Raymer

MEMBER CATEGORIES

Active

Currently contributing (or no longer contributing because they have earned 35 or more years of pensionable service), receiving benefits from an approved group disability plan or on an approved leave of absence

Limited

Spouse or ex-spouse who applied to the plan following separation or divorce from a member and who is entitled to a portion of the member's benefit

Inactive

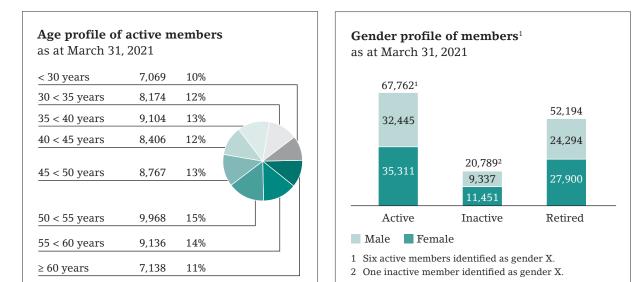
Ended employment but left their benefit in the plan

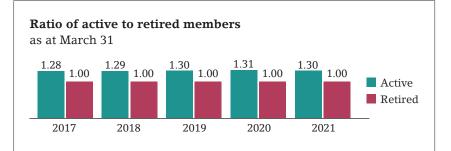
Retired

Receiving a pension, including a disability benefit



1 Member who is no longer employed but has left their contributions in the plan to receive a future pension.





Plan participants: The people and organizations in the plan

	2011 new	2011 average	2021 new	2021 average
Age	enrolments	enrolment age	enrolments	enrolment age
Under 25	145	23	302	23
25 < 30	297	27	600	28
30 < 35	211	33	590	32
35 and over	656	46	1,402	45
Total	1,309	37	2,894	37

Average enrolment age

as at March 31

Age	2008	2011	2014	2017	2018	2019	2020	2021
Under 25	23	23	23	23	23	23	23	23
25 < 30	27	27	28	28	28	27	28	28
30 < 35	32	33	32	32	32	32	32	32
35 and over	44	46	46	45	45	45	45	45
Average (overall)	37	37	37	36	36	36	36	37
<u> </u>								

New enrolments (%) as at March 31

Age	2008	2011	2014	2017	2018	2019	2020	2021
Under 25	10	11	12	11	10	9	11	10
25 < 30	20	23	21	22	23	21	22	21
30 < 35	17	16	17	20	20	22	19	20
35 and over	53	50	50	47	47	48	47	49
Total	100	100	100	100	100	100	100	100

Employers

As at March 31, 2021, the plan has approximately 100 employers. For a complete list, see Appendix on page 75.

Governance

Board activities and responsibilities

Trustee activities

During the fiscal year ended March 31, 2021, the board and its committees undertook several significant initiatives to position the plan for the future while continuing to govern effectively in the present. In addition to the oversight of plan investments, the board:

- Engaged with retired members and members near retirement on future design options for post-retirement group benefits
- Provided support and direction to BC Pension Corporation to ensure staff remained safe and service levels were maintained during COVID-19 restrictions
- > Completed work on the next three-year service delivery plan
- Approved an inflation adjustment increase of one per cent to pensions in pay, effective January 1, 2021; this helps retired members to maintain the purchasing power of their pensions

Lastly, the board is pleased to welcome to the plan the following employers and their eligible members. Welcome to:

- > Alliance Facility Solutions Inc.
- > Cobra Electric Regional Services Ltd.
- College of Applied Biology
- > Secwépemc Child and Family Services
- > Yellowhead Road & Bridge (Nicola) Ltd.

Trustee attendance¹

rustee attendance	5															
	Committee															
	Board meeting	Benefits	PRGB (sub)	Communications	Governance	Responsible investment	IP audit	IP exec/IP coordination	IP investment	IP trustee education	Executive forum	BC Public Sector Pension Conference ¹	Attended	Eligible	%2	Other ³
Days	8	2.5	2	2	2	1	3	2	4	1.5	1.5	0	29.5			
Alyson Blackstock	8	2.5	2	_	_	_	_	_	_	_	_	_	12.5	12.5	100	_
Wanda Boden	8	2.5	_	_	_	-	3	_	_	-	_	-	13.5	13.5	100	_
Troy Clifford	7.5	2	_	2	_	1	_	_	_	1.5	_	-	14	15	93	1.5
Doug Dykens	8	2.5	_	—	1	_	_	_	_	_	_	-	11.5	12.5	92	_
Paul Finch	8	2.5	_	1	—	—	_	_	_	_	_	—	11.5	12.5	92	3.5
Lawrence Johnson	8	2.5	2	1.5	2	_	—	_	3	_	_	_	19	20.5	93	-
Chan-Seng Lee	8	2.5	—	—	—	-	_	—	4	—	_	—	14.5	14.5	100	_
Tiffany Ma	6.5	1.5	—	2	—	-	_	_	—	_	_	—	10	12.5	80	_
Maria Middlemiss	8	2.5	2	2	2	-	_	_	_	_	_	—	16.5	16.5	100	_
Harpinder Sandhu	7	2.5	_	1	_	1	_	_	_	_	_	—	11.5	13.5	85	2.5
Angie Sorrell	8	2.5	_	2	2	1	_	_	_	_	_	_	15.5	15.5	100	3.5
Tom Vincent	8	2.5	2	—	2	1	_	2	4	1.5	1.5	—	24.5	24.5	100	_
David Vipond	8	2.5	0	—	_	-	_	1.5	_	_	0	_	12	16	75	-
Kelly Wheeler	8	1	_	_	2	_	3	_	_	_	_	_	14	15.5	90	_

1 The 2020 BC Public Sector Pension Conference was cancelled due to COVID-19.

2 Attendance statistics include regular board, committee, subcommittee and working group meetings and the BC Public Sector Pension Conference.

3 "Other" meetings are remunerated meetings for education, orientation, or for the trustee to attend as a guest. They are not included in attendance statistics and are reported for transparency.

¹ Trustees regularly participate in educational opportunities and events not included in the table.

Trustee remuneration

Trustees are compensated by the plan for their time spent on board business. Remuneration guidelines and rates are set out in the Public Service Pension Board of Trustees Remuneration Policy. Trustees receive remuneration directly if they are not paid for time spent on board duties from any other organization. If they are reimbursed from another organization, they may request the remuneration be paid to the other organization. Trustee remuneration may be adjusted annually under board policy by an amount equal to the inflation adjustment made to pension payments.

Expenses related to trustee attendance at educational events and at meetings to conduct board business are reimbursed within board policy limits.

	April 1, 2020 to December 31, 2020	January 1, 2021 to March 31, 2021
Annual retainers (\$ per year)		
Board member	\$ 5,428	\$ 5,484
Board chair	16,288	16,452
Vice-chair	10,860	10,968
Committee chair	5,428 + 2,172	5,484 + 2,196
per committee to a maximum of ²	9,722	9,876
Travel retainer ³	1,088	1,100
Meeting fee (\$ per meeting)	428	432

1 Trustees are remunerated by the plan for time spent on board business. Remuneration guidelines and rates are set out in the Public Service Pension Board of Trustees Remuneration Policy effective January 1 of each year.

2 For committees scheduled to meet at least three times per year.

3 For trustees who regularly travel four or more hours. (Suspended in 2020/21 due to COVID-19.)

Board member	Meeting fee	Retainer	Payment	Remuneration paid to
Alyson Blackstock	\$ 5,366	\$ 5,442	\$ 10,808	BC Public Service Agency
Wanda Boden	5,794	7,620	13,414	Ministry of Finance
Troy Clifford	6,440	5,442	11,882	Board member
Douglas Dykens	5,150	5,442	10,592	BCGEU
Paul Finch	6,222	5,442	11,664	BCGEU
Lawrence Johnson	7,724	7,620	15,344	Board member
Chan-Seng Lee	6,218	5,442	11,660	Partnerships BC Inc. (\$6,218) Board member (\$5,442)
Tiffany Ma	4,286	5,442	9,728	Ministry of Finance
Maria Middlemiss	7,296	5,442	12,738	BCGEU (\$7,296) Board member (\$5,442)
Harpinder Sandhu	6,440	5,442	11,882	CUPE (\$6,440) Board member (\$5,442)
Angie Sorrell	8,366	5,991	14,357	Public Sector Employer's Council Secretariat
Thomas Vincent (vice-chair)	10,942	10,887	21,829	Board member
David Vipond (chair)	4,936	16,329	21,265	Board member
Kelly Wheeler	6,220	7,620	13,840	Board member (\$7,620) BC Ferry Services Inc. (\$6,220)
Total	\$91,400	\$99,603	\$191,003	

Governance: Board activities and responsibilities

Committees

There are a number of standing committees of the board that meet regularly to deal with specific areas of pension plan administration. The board also strikes ad hoc committees as required.

Benefits committee

Chair: Tom Vincent

The benefits committee reviews the plan rules for benefit entitlements and policies related to benefit administration and makes recommendations to the board on potential changes as needed. The committee also reviews post-retirement group benefits, including extended health and dental plan designs, coverage levels and cost structure.

Communications committee

Chair: Lawrence Johnson

The communications committee oversees the development of plan communications to members, employers and other plan stakeholders. The committee provides strategic communications direction to BC Pension Corporation and reviews major communications, including the annual reports.

Governance committee

Chair: Kelly Wheeler

The governance committee develops and reviews board operational policies, tools and processes related to risk management, strategic planning and other matters. The committee prepares reports on the board's governance structures and activities as required by pension legislation.

Responsible investment committee

Chair: Angie Sorrell

The responsible investment committee considers matters related to the board's responsibilities and opportunities as an asset owner signatory to the United Nations–supported Principles for Responsible Investment (PRI), including drafting the plan's annual PRI disclosure reports.

Interplan audit committee

Chair: Wanda Boden, Public Service Pension Board of Trustees The interplan audit committee is composed of two nominees from each of the College, Municipal, Public Service and Teachers' pension boards of trustees. The committee prepares each plan's annual financial statements and provides mandated financial oversight by:

Governance: Board activities and responsibilities

- Monitoring and reporting to the boards on the integrity of reporting, internal controls and compliance of financial statements with generally accepted accounting principles
- Monitoring and reporting on the independence and performance of external auditors
- Monitoring and reporting on risk management as it affects financial reporting
- > Recommending the selection and compensation of external auditors

Interplan coordination committee

Chair: Michael Lancaster, College Pension Board of Trustees The interplan coordination committee facilitates communication among the College, Public Service and Teachers' pension boards of trustees on initiatives of mutual interest, and monitors the PBS operations.

Interplan investment committee

Chair: Tom Vincent, Public Service Pension Board of Trustees The interplan investment committee provides a forum for considering investment issues common to the College, Public Service and Teachers' pension boards of trustees. The committee considers trends in the investment industry, new investment approaches and vehicles, and economic and market updates.

Interplan executive forum

Chair: executive staff of the plan boards

The interplan executive forum is a venue for the chairs and vice-chairs of the College, Municipal, Public Service and Teachers' pension boards of trustees to discuss issues of mutual interest, including pension reform, research, governance and risk.

Interplan trustee education committee

Chair: Weldon Cowan, College Pension Board of Trustees

This is a forum for the College, Municipal, Public Service and Teachers' boards to develop trustee knowledge and skills, and work together on common educational issues. This group organizes the annual BC Public Sector Pension Conference.

Board, partners, agents and service providers

The plan's governance arrangement contributes to the overall fairness of the plan and is outlined in the Public Service Pension Plan Joint Trust Agreement. The agreement is available on the plan website.

The plan partners (British Columbia General Employees' Union and the Government of BC), and other organizations representing plan employers and members, are responsible for nominating and appointing trustees.

The board is responsible for the governance of the plan. It is obligated by law to act even-handedly, act in the best financial interest of the plan's membership, and consider the interests of all members when making decisions. Trustees come from a cross-section of employer and member groups participating in the plan. Though trustees bring unique perspectives to the board table, they must act in the interests of all members.

The board can change plan rules if directed to do so by the plan partners and if certain conditions are met. It can also change plan rules as long as the changes are cost-neutral to the plan. The Joint Trust Agreement sets out conditions for implementing certain changes.

British Columbia Investment Management Corporation (BCI)

As one of Canada's largest asset managers, BCI offers investment options across a range of asset classes, including infrastructure, renewable resources and long-term strategic themes. BCI provides investment management services as an agent of the board.

BC Pension Corporation

BC Pension Corporation is one of the largest pension benefit administrators in Canada, serving the public sector pension plans in British Columbia. It provides plan information to members and employers, manages contributions and member records, and pays pension benefits. BC Pension Corporation also provides policy, financial and communication services to the board.

Eckler Ltd.

Eckler Ltd. is a Canada-based actuarial and consulting firm specializing in financial services, pensions and benefits, and global consulting solutions. It provides consulting and actuarial services to the plan.

Governance: Board activities and responsibilities

Green Shield Canada

Green Shield Canada provides retired plan members access to optional extended health care and dental coverage.

KPMG LLP

KPMG LLP was appointed to perform the audit of the plan's financial statements for the year ended March 31, 2021.

Plan rule changes

The following plan rule changes were approved April 1, 2020 to March 31, 2021:

Pension backdating

Plan rule amendment no. 54-various dates:

> Effective June 4, 2020

Provides criteria for what constitutes a "good and sufficient reason" for pension backdating and clarifies the plan rules on what situations Pension Corporation must consider when reviewing a pension backdating request.

- Effective retroactive to October 1, 2019
 Updates the definition of "refund interest rate."
- *Effective retroactive to January 1, 2001* Repeals a redundant reference regarding pension transfer provisions

Replacing gender-specific terms and general housekeeping

Plan rule amendment no. 55–various dates:

- *Effective December 11, 2020* Replaces gender-specific terms with gender-neutral language.
- > Effective March 23, 2020

Updates to include two new *Employment Standards Act* (ESA) leave types for which the employer is required to pay the employer portion, if the employee chooses to pay the employee portion. The two new leaves are illness or injury leave and COVID-19-related leave.

> Effective retroactive to May 17, 2018

Replaces "pregnancy leave" with "maternity leave" to be consistent with section 50 of the ESA.

Financial statements



September 9, 2021

Re: Public Service Pension Plan Administrative Agent's Responsibility for Financial Reporting

The financial statements of the Public Service Pension Plan were prepared by the British Columbia Pension Corporation, the administrative agent for the Public Service Pension Board of Trustees, in accordance with Canadian accounting standards for pension plans. The Board is responsible for approving the Plan's financial statements. The Board is assisted by the Interplan Audit Committee, which is made up of representatives from the Public Service, Municipal, Teachers' and College pension boards of trustees. As part of its responsibility, the Committee reviews the financial statements, and performs steps and procedures as necessary, prior to recommending them to the Board for approval.

Pension Corporation prepares the financial statements and is responsible for the integrity and fairness of the data presented, including significant accounting judgments and estimates. This responsibility includes selecting appropriate accounting policies consistent with Canadian accounting standards for pension plans. In discharging its responsibility, Pension Corporation maintains a system of internal controls designed to provide reasonable assurance that transactions are properly authorized, reliable financial records are maintained and assets are adequately safeguarded, ensuring the fair presentation of the financial statements. Pension Corporation has assessed that the Plan will continue as a going concern, and ensured that other financial information contained in the *Public Service Pension Plan Annual Report* is consistent with these financial statements.

The Board appointed KPMG LLP as the independent auditor to the Plan. The role of the auditor is to perform an independent audit of the financial statements of the Plan in accordance with Canadian generally accepted auditing standards. The resulting audit opinion is set out in the independent auditors' report attached to these financial statements.

Allan Chen, CPA, CA Trevor Fedyna, CPA, CGA, C. Dir. Vice-president, Strategy and Insights, Controller, Financial Services and Chief Financial Officer British Columbia Pension Corporation British Columbia Pension Corporation Executive Offices Mail: PO Box 9460 Phone: 250 387-8201 Fax: 250 953-0429 Victoria. BC V8W 9V8 bcpensioncorp.ca

Financial statements



KPMG LLP PO Box 10426 777 Dunsmuir Street Vancouver BC V7Y 1K3 Canada Telephone (604) 691-3000 Fax (604) 691-3031

INDEPENDENT AUDITORS' REPORT

To the Members of the Public Service Pension Plan

Opinion

We have audited the financial statements of the Public Service Pension Plan (the "Plan"), which comprise:

- the statement of financial position as at March 31, 2021
- the statement of changes in net assets available for benefits for the year then ended
- the statement of changes in accrued pension obligations for the year then ended
- and notes to the financial statements, including a summary of significant accounting policies.

(hereinafter referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Plan as at March 31, 2021, and the changes in its net assets available for benefits and the changes in its accrued pension obligations for the year then ended in accordance with Canadian accounting standards for pension plans.

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *"Auditors' Responsibilities for the Audit of the Financial Statements"* section of our auditors' report.

We are independent of the Plan in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada and we have fulfilled our other ethical responsibilities in accordance with these requirements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

KPMG LLP, an Ontario limited liability partnership and member firm of the KPMG global organization of independent member firms affiliated with KPMG International Limited, a private English company limited by guarantee. KPMG Canada provides services to KPMG LLP.



Public Service Pension Plan Page 2

Other Information

Management is responsible for the other information. Other information comprises the information, other than the financial statements and the auditors' report thereon, included in the annual report.

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

In connection with our audit of the financial statements, our responsibility is to read the other information identified above and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit and remain alert for indications that the other information appears to be materially misstated.

We obtained the information, other than the financial statements and the auditors' report thereon, included in the annual report as at the date of this auditors' report.

If, based on the work we have performed on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact in the auditors' report.

We have nothing to report in this regard.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian Standards for pension plans, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

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

Those charged with governance are responsible for overseeing the Plan's financial reporting process.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists.



Public Service Pension Plan Page 3

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit.

We also:

 Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion.

The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Plan's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Plan to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

KPMG LLP

Chartered Professional Accountants

Vancouver, Canada September 9, 2021

Statement of financial position (\$ millions)



As at March 31	Note	2021	2020
Assets			
Investments	3a	\$ 38,723	\$ 33,790
Directly held derivatives	3b	259	37
Contributions receivable		30	29
Interest receivable		16	2
Prepaid expenses		5	5
Due from sale of investments		-	143
Total assets		39,033	34,006
Liabilities			
Directly held derivatives	3b	68	343
Accounts payable and accrued expenses		15	17
Taxes payable		13	12
Payable for purchase of investments		13	11
Total liabilities		109	383
Net assets available for benefits		\$ 38,924	\$ 33,623
Accrued pension obligations			
Accrued basic pension obligations	4a	\$ 22,487	\$ 21,497
Non-guaranteed pension obligations	4b	9,605	8,231
Accrued pension obligations		32,092	29,728
Surplus			
Funding surplus	5a	3,101	2,682
Measurement differences between funding			
and accounting positions	5a	3,731	1,213
Surplus		6,832	3,895
Accrued pension obligations and surplus		\$ 38,924	\$ 33,623

The accompanying notes are an integral part of the financial statements including: Commitments (note 14)

Approved by the Public Service Pension Board of Trustees:

Tom Vincent, Chair Public Service Pension Board of Trustees

Maria Middlemiss, Vice Chair Public Service Pension Board of Trustees

Wanda Boden, Trustee Public Service Pension Board of Trustees

Statement of changes in net assets available for benefits (\$ millions)



					flation	 plemental		_		
			Basic	adju	ustment	benefits	Totals			
For the year ended March 31	Note	a	ccount	ac	count	account		2021		2020
Increase in assets										
Investment income	8	\$	4,463	\$	1,433	\$ -	\$	5,896	\$	1,094
Contributions										
Employer	9		309		101	45		455		432
Member	9		320		57	1		378		359
			629		158	46		833		791
Transfers from other plans			14		2	-		16		11
Total increase in assets			5,106		1,593	46		6,745		1,896
Decrease in assets										
Benefits	10		1,196		63	22		1,281		1,218
Transfers to other plans			9		9	-		18		14
Retired member group benefits	11		-		-	24		24		24
Investment and administration cost	s 12b		96		25	-		121		89
Total decrease in assets			1,301		97	46		1,444		1,345
Increase in net assets before trans	fers		3,805		1,496	-		5,301		551
Account transfers	13		122		(122)	-		-		-
Increase in net assets			3,927		1,374	-		5,301	\$	551
Net assets available for benefits										
at beginning of year			25,392		8,231	 -		33,623	\$	33,072
Net assets available for benefits										
at end of year		\$	29,319	\$	9,605	\$ -	\$	38,924	\$	33,623

The accompanying notes are an integral part of these financial statements.

Statement of changes in accrued pension obligations (\$ millions)



For the year ended March 31	Note	2021	2020
Increase in accrued pension obligations			
Interest on accrued pension obligations		\$ 1,283	\$ 1,269
Benefits accrued		700	677
Change in actuarial assumptions	4a	302	-
Account transfers		122	235
Increase in accrued pension obligations		2,407	2,181
Decrease in accrued pension obligations			
Experience gains	4a	170	-
Benefits paid		1,247	1,195
Decrease in accrued pension obligations		1,417	1,195
Net increase in accrued pension obligations		990	986
Accrued basic pension obligations, beginning of year		21,497	20,511
Accrued basic pension obligations, end of year	4a	22,487	21,497
Non-guaranteed pension obligations			
Increase in non-guaranteed pension obligations	4b	1,374	128
Non-guaranteed pension obligations, beginning of year		8,231	8,103
Non-guaranteed pension obligations, end of year	4b	9,605	8,231
Total accrued pension obligations		\$ 32,092	\$ 29,728

The accompanying notes are an integral part of these financial statements.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

1. DESCRIPTION OF THE PUBLIC SERVICE PENSION PLAN

The following description of the Public Service Pension Plan (Plan) is a summary provided for general information only. For more information, please refer to the Joint Trust Agreement (Agreement) and the Public Service Pension Plan Rules (pension plan rules).

a) General

The Plan is a jointly trusteed pension plan continued under a joint trust agreement authorized by the *Public Sector Pension Plans Act*, SBC 1999, c.44 (Act). The Act enabled the establishment of the Agreement. Joint trusteeship was established effective January 1, 2001. The partners to the Agreement are the Provincial Government and the British Columbia Government and Service Employees' Union (Partners). The Agreement describes the composition, appointment, powers, functions and duties of the Public Service Pension Board of Trustees (Board) and provides the authority for the Board to make the pension plan rules.

The Plan is registered with the Superintendent of Pensions, who administers and enforces the *Pension Benefits Standards Act* (PBSA). The PBSA governs employment pension plans registered in British Columbia that have active, inactive and retired members.

Membership in the Plan is open to eligible employees of the Province of British Columbia and certain Crown corporations, agencies, institutions, and other employers approved by the Board, and eligible Members of the Legislative Assembly.

b) Roles and responsibilities

Partners

The Partners and other organizations representing the plan members and employers are responsible for appointing the 14 trustees to the Board. The Partners have responsibility for resolving trustee disputes and, if certain conditions are met, may direct amendments to the pension plan rules.

Board

The Board is responsible for the management of the Plan, including investment of assets and administration of the Plan. The Board may amend the pension plan rules as long as changes can be funded by the Plan's surpluses or are cost neutral to the Plan. Unless required to ensure compliance with regulatory enactments applicable to the Plan, only the Partners can initiate pension plan rule changes that result in contribution rate increases. The Agreement allows the Board to either appoint a chair from among the 14 trustees or appoint a person not appointed by the Partners. The vice-chair is appointed by the other trustees, from among the 14 trustees.

British Columbia Pension Corporation (Pension Corporation)

Pension Corporation provides benefit administration services as an agent of the Board. The Board appoints two members to the eight-member board of directors of Pension Corporation.

British Columbia Investment Management Corporation (BCI)

BCI provides investment management services, including the valuation of investments, as an agent of the Board. The Board appoints one member to the seven-member board of directors of BCI.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

1. DESCRIPTION OF THE PUBLIC SERVICE PENSION PLAN (CONTINUED)

c) Funding

Contributions and investment earnings fund plan benefits. Contributions are made by active members and employers of the Plan. The determination of the value of the benefits and required contributions is based on a triennial actuarial valuation for funding purposes.

The Board's funding policy is intended to secure the pension benefit obligation and achieve long-term stability in contribution rates for both employers and members.

d) Contributions

The following member and employer contributions apply to the majority of members, excluding corrections, ambulance paramedics, statutory officers, provincial court judges, masters of Supreme Court, and Members of the Legislative Assembly (certain limited groups) with higher contribution rates required to fund the cost of their benefits.

Basic Account

Members contributed 7.10% of salaries and employers contributed 7.10% of members' salaries (excluding certain limited groups with higher contribution rates required to fund the cost of their benefits), less amounts allocated to the Supplemental Benefits Account (SBA).

Inflation Adjustment Account

Members contributed 1.25% of salaries to the Inflation Adjustment Account (IAA). Employers contributed 2.75% of salaries to the IAA, less amounts allocated to the SBA.

e) Pension benefits

The following pension benefits apply to the majority of members, excluding certain limited groups, such as public safety occupations, that may be eligible for a benefit earlier than indicated.

All active members are eligible for a pension benefit.

For service on or after April 1, 2018, members are eligible for unreduced pension benefits

- at age 65;
- at age 60, with at least two years contributory service; or
- at age 55 or older, with at least 35 years of contributory service.

Other retiring members have a reduction factor applied to their pensions.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

1. DESCRIPTION OF THE PUBLIC SERVICE PENSION PLAN (CONTINUED)

e) Pension benefits (continued)

For service on or after April 1, 2018, the Plan provides a defined plan benefit of 1.85% of the member's highest five-year average annual salary (HAS) to a maximum of 35 years. The early retirement reduction applicable for service accrued after this date is 6.2% for each year below age 65 or age 60 with two years or more of contributory service.

For service up to March 31, 2018, the defined basic plan benefit was integrated with the Canada Pension Plan. As a result, the Plan provides a benefit of 1.35% (1.3% for members who terminated prior to March 1, 2002) of pensionable earnings up to YMPE and 2.0% of pensionable earnings over YMPE for each year of pensionable service (to a maximum of 35 years). For the pension calculation, pensionable earnings are based on the member's HAS.

For service up to March 31, 2018, the Plan also provides a bridge benefit payable to age 65 (or the date of death, if earlier). The bridge benefit is 0.65% (0.7% for members who terminated prior to March 1, 2002) of the lesser of YMPE or HAS for each year of pensionable service.

Effective October 1, 2019, service earned between April 1, 2006 and March 31, 2018, inclusive, was adjusted. For service earned during this period, the Plan provided an integrated defined basic plan benefit of 1.65% of pensionable earnings up to YMPE, and 2.0% of pensionable earnings over YMPE, for each year of pensionable service. Pensionable earnings are based on the member's HAS. The Plan provided a bridge benefit payable to age 65 (or the date of death, if earlier). The bridge benefit was 0.35% of the lesser of YMPE or HAS for each year of pensionable service.

For service up to March 31, 2018, members are eligible for unreduced pension benefits

- at age 65;
- at age 60, with at least two years contributory service; or
- at age 55 or older, with age plus years of contributory service totalling 85 or more.

Increases to pension payments related to inflation adjustments are not guaranteed but may be provided each January 1 in accordance with the inflation adjustment provisions of the Plan. These inflation adjustments are based on the annual average increase in the Canada consumer price index (CPI) over the preceding 12-month period ending the previous October 31, reduced for the CPI decrease, if any, in prior years and subject to the availability of funds in the IAA.

The Board annually considers all relevant factors and its IAA funding policy to determine if an inflation adjustment will be granted on pensions in pay and the amount of the inflation adjustment, if any.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

1. DESCRIPTION OF THE PUBLIC SERVICE PENSION PLAN (CONTINUED)

f) Termination and portability benefits

Terminating members who have not yet reached the earliest retirement age may choose

- a deferred pension, or
- a transfer of the commuted value of the pension benefit (the minimum value is the member's contributions with interest) to a locked-in retirement vehicle or similar tax-sheltered plan.

Terminating members may also choose to leave their benefit on deposit in anticipation of future reemployment with a Plan employer.

Where there are portability arrangements between the Plan and other pension plans, members may be able to transfer service to another pension plan.

g) Other benefits

Disability and survivor benefits are also available under the Plan. A disability benefit is available to a member under age 60 (under age 55 for certain limited groups) who has terminated employment, becomes totally and permanently disabled as defined by the Plan, has at least two years of contributory service, is not eligible to receive benefits from an approved long-term group disability plan and meets other eligibility requirements.

The disability benefit is calculated using the greater of the member's years of pensionable service to the date of termination of employment and HAS, or an increased pension calculation as specified under the Income Tax Regulations. Disability benefits continue for the member's lifetime unless the member is no longer totally and permanently disabled before age 60 (age 55 for certain limited groups) or returns to work.

A death benefit may be available to a surviving spouse or designated beneficiary upon the death of an active member. Depending on eligibility requirements, the benefit may be paid in the form of a survivor pension or lump-sum payment.

Supplemental benefits are funded from the Supplemental Benefits Account.

h) Tax registration

The Plan is a Registered Pension Plan (RPP) as defined in the *Income Tax Act* (Canada) (registration number 0345702), except for any supplemental benefits, which are funded in addition to the RPP. The Plan is not subject to income taxes but is subject to indirect taxes, including British Columbia provincial sales tax (PST) and Canadian federal goods and services tax (GST). The Plan receives a 33% rebate of GST paid.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

2. SIGNIFICANT ACCOUNTING POLICIES

a) Basis of presentation

These financial statements are prepared on the going-concern basis in accordance with Canadian accounting standards for pension plans, Part IV of the *Chartered Professional Accountants of Canada Handbook* (CPA Canada Handbook), and present the Plan as a separate financial reporting entity, independent of the Plan's contributing employers and members and independent of any associated retired member group benefit plans.

Accounting standards for private enterprises in Part II of the CPA Canada Handbook have been chosen for accounting policies that do not relate to the Plan's investment portfolio or accrued pension obligations.

b) Investments

Investments are stated at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

Investment purchases and sales are recorded on the trade date (the date upon which the substantial risks and rewards of ownership have been transferred).

c) Accrued pension obligations

Accrued pension obligations are determined based on an actuarial valuation prepared by an independent actuarial consulting firm. The Plan actuary is Eckler Ltd. The valuation of accrued pension obligations is based on data extrapolated to the financial statement date. The valuation uses the projected benefit method pro-rated on service that incorporates the independent actuary's estimate of various economic and demographic assumptions. These assumptions are the same as those used in the determination of the actuarial position of the Plan for funding purposes.

d) Investment income

Income from investments is recorded on the accrual basis and represents pooled investment portfolio income attributable to the Plan as a unit holder and income from directly held investments. The current period change in fair value includes realized and unrealized gains and losses that are included in investment income.

Within the pools, dividends are accrued on the ex-dividend date, and interest is recognized on an accrual basis. Gains and losses on derivative contracts are recognized concurrently with changes in their fair values.

e) Foreign currency translation

Assets and liabilities denominated in foreign currencies are translated into Canadian dollars at the prevailing exchange rates on the year-end date. Income and expenses are translated into Canadian dollars at the prevailing exchange rates on the dates of the transactions. The realized and unrealized gains and losses arising from these translations are included within the current period change in fair value in investment income.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

2. SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

f) Use of estimates

The preparation of financial statements, in conformity with Canadian accounting standards for pension plans, requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of increases and decreases in assets and liabilities during the period. Significant areas requiring the use of management estimates relate to the valuation of investments based on unobservable inputs, as further described in note 7, and the calculation of the accrued pension obligations of the Basic Account for accounting and funding purposes, as further described in notes 4 and 5. Actual results could differ materially from these estimates.

3. INVESTMENTS

a) Investments

Fair value of investment ho	ldin	gs			2021					2020
			h	nflation				nflation		
		Basic	ad	justment			Basic	ad	justment	
	а	iccount	а	iccount	Total	a	ccount	а	ccount	Total
Short-term	\$	758	\$	245	\$ 1,003	\$	581	\$	186	\$ 767
Bonds		5,929		1,912	7,841		4,402		1,408	5,810
Canadian equities		1,139		367	1,506		1,149		368	1,517
Global equities		6,714		2,165	8,879		5,777		1,850	7,627
Emerging markets equities		2,172		701	2,873		2,094		669	2,763
Mortgages		1,096		353	1,449		1,101		352	1,453
Real estate		4,374		1,410	5,784		4,053		1,297	5,350
Private equity		3,967		1,280	5,247		3,389		1,085	4,474
IRR*		3,131		1,010	4,141		3,053		976	4,029
	\$	29,280	\$	9,443	\$ 38,723	\$	25,599	\$	8,191	\$ 33,790

* Infrastructure and renewable resources

Plan investments consist primarily of direct ownership in units of pooled investment portfolios. Each unit gives its holder a proportionate share in the value of the net assets of the pooled investment fund. The Basic Account and IAA are combined for investment management purposes.

One or more pooled investment portfolios exist for different types of investments, such as short-term investments; bonds; Canadian, global and emerging markets equities; mortgages; real estate; private equity; and infrastructure and renewable resources. While the purpose of each fund is to invest in a particular type of investment, at any time, given the timing of trading activities, the fund may hold a certain amount of cash, short-term investments, accrued interest income and net accounts receivable or payable from outstanding sales and purchases of investments.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

3. INVESTMENTS (CONTINUED)

a) Investments (continued)

Short-term investments consist of Canadian and U.S. money market securities, such as treasury bills with maturities of 15 months or less, and short-term bonds with one- to five-year terms. Short-term investments are valued using current market yields.

Bonds consist of government bonds, investment grade and non-investment grade corporate bonds, and debentures. Bonds are valued based on current market yields and, in some cases, quoted market prices. Equities consist primarily of publicly traded shares and are valued based on quoted market prices on the primary exchanges on which they are traded.

Mortgages consist mainly of Canadian construction, commercial and multi-family residential mortgages. The mortgages are secured by real estate and valued using current market yields. Real estate investments consist mainly of diversified Canadian and U.S. income-producing properties. Real estate investments are valued quarterly by external investment managers and, at least once every 10 to 18 months, by accredited independent appraisers to establish current market values.

Private equity consists mainly of equity investments made outside the structure of public markets. Private equity is valued annually based on audited financial statements from external investment managers using a market-based approach or discounted cash flows.

Infrastructure and renewable resources consist of privately owned and managed infrastructure assets, as well as timber, agriculture and other renewable assets. Infrastructure and renewable resource investments are valued annually using a market-based approach or net asset value method.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

3. INVESTMENTS (CONTINUED)

b) Derivatives

Derivative contracts are directly and indirectly held by the Plan. The details of these contracts are as follows:

Fair value of derivative contracts	20		2020				
	tive fair value	-	gative fair value		Positive fair value		gative fair value
Directly held							
Foreign currency forwards	\$ 259	\$	(68)	\$	37	\$	(343)
	\$ 259	\$	(68)	\$	37	\$	(343)
Indirectly held in pooled investment portfolios							
Foreign currency forwards	\$ 89	\$	(2)	\$	2	\$	(70)
Repurchase agreements	-		-		-		-
Options	28		(26)		35		(33)
Futures	-		-		-		-
Interest rate swaps	7		(16)		9		(64)
Total return swaps	84		(97)		184		(956)
	\$ 208	\$	(141)	\$	230	\$	(1,123)
Total derivatives	\$ 467	\$	(209)	\$	267	\$	(1,466)
Derivatives by investment asset classification							
Bonds	\$ 119	\$	(3)	\$	9	\$	(131)
Canadian equities	3		(3)		19		(33)
Global equities	94		(66)		155		(793)
Emerging markets equities	36		(70)		48		(227)
Mortgages	28		(1)		3		(38)
Real estate	76		(4)		7		(119)
_IRR*	111		(62)		26		(125)
Total derivatives	\$ 467	\$	(209)	\$	267	\$	(1,466)

*Infrastructure and renewable resources

Derivative contracts consist of foreign currency forward contracts, repurchase agreements, options, futures, interest rate swaps, and total return swaps held directly by the Plan or indirectly through various pooled investment portfolios. Directly held and indirectly held derivative contracts are reflected at fair value based on expected settlement amounts at the date of the Statement of Financial Position. Directly held derivatives are disclosed on the face of the Statement of Financial Position while indirectly held derivatives are included in investments.

A foreign currency forward contract is a privately negotiated contractual obligation to exchange one currency for another at a specified price for settlement on a predetermined date in the future. Foreign currency forward contracts are held by the Plan to manage exposure to foreign currency risk.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

3. INVESTMENTS (CONTINUED)

b) Derivatives (continued)

Repurchase agreements (repos) are short-term agreements to sell securities in order to buy them back at a slightly higher price. The one selling the repo is effectively borrowing and the other party is lending, since the lender is credited the implicit interest in the difference in prices. Repos are used in the leveraged bond pool fund to borrow funds and create leverage.

Options are contracts that give the buyer the right, but not the obligation, to buy or sell a certain security or index at an agreed-upon price on or before a specified date. Futures contracts are exchange-traded contractual obligations to take or make delivery of an asset at a predefined price and date in the future. Options and futures are held for synthetic indexing, a modern technique used to replicate the performance of a security or index without directly purchasing or selling the underlying assets and for risk control.

An interest rate swap is an agreement between two counterparties in which one stream of future interest payments is exchanged for another based on a specified principal amount. Interest rate swaps usually involve the exchange of a fixed interest rate for a floating interest rate, or vice versa, to reduce or increase exposure to fluctuations in interest rates or to obtain a marginally lower interest rate than would have been possible without the swap.

A total return swap is a swap agreement in which one party makes payments based on a set rate, either fixed or variable, while the other party makes payments based on the return of an underlying asset, including both the income it generates and any capital gains. In total return swaps, the underlying asset (referred to as the reference asset) is usually an equity index or basket of equity securities. Interest rate swaps and total return swaps are held indirectly through various pooled investment portfolios for synthetic indexing purposes.

Derivative transactions are supported with collateral to mitigate counterparty credit risk. A single net fair value amount is used to determine the value of collateral with each counterparty. Collateral approximately equal to the positive fair value of each derivative contract has been provided by counterparties, and collateral approximately equal to the negative fair value of each derivative contract has been delivered to counterparties. Acceptable forms of collateral are Canadian federal or provincial bonds, and U.S. federal government treasury bills and bonds.

The notional value of derivatives is the total value of a position, how much value a position controls, or an agreed-upon amount in a contract.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

3. INVESTMENTS (CONTINUED)

b) Derivatives (continued)

Notional value of derivatives						2021	2020
	,	Within					
Term to maturity		1 year		to 5 years Total		Total	Total
Derivatives by type of contract							
Foreign currency forwards	\$	14,520	\$	132	\$	14,652	\$ 7,219
Repurchase agreements		3,861		-		3,861	3,380
Options		115		-		115	77
Futures		154		-		154	-
Interest rate swaps		518		1,614		2,132	6,024
Total return swaps		7,792		185		7,977	9,221
	\$	26,960	\$	1,931	\$	28,891	\$ 25,921
Derivatives by investment asset classification							
Bonds	\$	7,129	\$	-	\$	7,129	\$ 7,141
Canadian equities		269		65		334	446
Global equities		6,379		1,247		7,626	10,398
Emerging markets equities		2,158		515		2,673	2,632
Mortgages		827		-		827	639
Real estate		2,663		52		2,715	1,958
Private equity		-		-		-	-
IRR*		7,535		52		7,587	2,707
	\$	26,960	\$	1,931	\$	28,891	\$ 25,921

4. ACTUARIAL VALUATION OF THE BASIC ACCOUNT FOR ACCOUNTING PURPOSES

a) Basic Account

In accordance with the Agreement and PBSA, an actuarial valuation is performed at least every three years. Its primary objective is to assess the financial position and adequacy of funding for the Basic Account of the Plan as described in note 5a. As part of the actuarial valuation, the Plan actuary also calculates values, for accounting purposes, of the Basic Account assets as at, and pension liabilities accrued to, the financial statement date. For this purpose, contributions and benefits for future service are not included, in contrast to their inclusion in the valuation for funding purposes as described in note 5a. Also for accounting purposes, the full impact of investment fair value changes is reflected in the financial statements as at the financial statement date compared with the deferral and amortization of fair value gains or losses in the valuation for funding purposes. The liability for accrued basic pension obligations at the valuation date is determined using the projected benefit method pro-rated on service.

The latest full actuarial valuation for accounting purposes was prepared as at March 31, 2020, by Eckler Ltd. This valuation calculated the liability for accrued basic pension obligations for financial statement purposes to be \$21,629 (2017: \$17,947).

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

4. ACTUARIAL VALUATION OF THE BASIC ACCOUNT FOR ACCOUNTING PURPOSES (CONTINUED)

a) Basic Account (continued)

Between valuations, an estimate of the actuarial position is required. This estimate, an extrapolation, has been made to March 31, 2021, using the following long-term actuarial assumptions:

٠	Annual investment return	6.00% (2017: 6.25%)
•	Annual salary escalation rate	3.25% (2017: 3.50%)

The extrapolation calculated the liability for accrued basic pension obligations to be \$22,487 (2020: \$21,497).

In 2021 the extrapolation reflected assumption changes made during the 2020 valuation that resulted in an increase in the 2020 accrued basic pension obligations of \$302, mainly due to changes in economic assumptions. Further, the 2020 valuation accrued basic pension obligations were \$170 lower than anticipated by the 2020 extrapolation as a result of experience gains, primarily retirement rates being lower than the actuarial assumption.

Extrapolations may not be reliable indicators of the next valuation results, nor do they necessarily reflect the overall trend of results. Between valuations, actual wage increases, investment earnings, and the incidence of retirements, withdrawals and changes in other factors may vary significantly from the long-term assumptions used in the extrapolation. In the event of a major change to the Plan, a new valuation or review of assumptions may be required.

The next full actuarial valuation will be carried out as at March 31, 2023, with the results included in the March 31, 2024, financial statements.

Actuarial liabilities are also affected by changes in the assumed investment return. Based on the actuarial valuation completed as at March 31, 2020, a reduction in the investment return assumption from 6.00% to 5.75% would have increased the March 31, 2021, liability for accrued basic pension obligations of \$22,487 by \$678 or 3.02%. Changes to assumptions included in the actuarial valuation are interrelated, and the cumulative impact of changed assumptions may be offsetting.

b) Inflation Adjustment Account (IAA), non-guaranteed pension obligations

No unfunded liability exists for the IAA since the obligation for future inflation adjustments is limited to the amount of the available assets in the account. There is no minimum level of inflation adjustment required to be paid under the pension plan rules, nor is there any Plan provision to fund the IAA to any minimum level of future potential inflation adjustments (note 5b). The non-guaranteed pension obligations is therefore equal to the net assets available for benefits in the IAA, 2021: \$9,605 (2020: \$8,231). The net increase of \$1,374 (2020: \$128) in the IAA balance consists of employee and employer contributions, investment income and net transfers reduced by payments out of the account (see note 13 for details on amounts transferred).

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

5. ACTUARIAL VALUATION OF THE BASIC ACCOUNT FOR FUNDING PURPOSES

a) Basic Account

The Basic Account is the account from which the defined basic benefits of the Plan are paid. In accordance with the Agreement and PBSA, an actuarial valuation of the Plan's assets and pension obligations is performed at least every three years by an independent actuary to determine an appropriate combined employer and member contribution rate to fund the Basic Account. For this purpose, the Plan's actuary values both accrued assets and accrued pension obligations to the financial statement date, and contributions and benefits for future service. The contribution requirements are calculated by the actuary using the entry-age normal cost method (entry-age method).

This method produces the long-term rate of member and employer contributions sufficient to provide benefits for the average future new entrants to the Plan. This rate may be adjusted for the amortization of any actuarial funding surplus, and this rate will be adjusted for the amortization of any unfunded actuarial liability.

The Basic Account is also the account from which any inflation adjustments granted to retired members are paid. Future inflation adjustments are not guaranteed within the Plan provisions and are granted to retired members only to the extent that sufficient assets are available from the IAA to fund those benefits (note 5b). As inflation adjustments are granted, the Basic Account receives from the IAA the present value funding necessary for the inflation adjustments granted. Therefore, accrued basic pension obligations for valuation purposes include the liability for all inflation adjustments granted to the date of the valuation, but not for as-yet-unknown future inflation adjustments.

Actuarial valuation

The latest full actuarial valuation for funding purposes was prepared as at March 31, 2020, by the independent actuary based on the entry-age method; the valuation indicated an actuarial surplus of \$2,667 excluding \$117 set aside for stabilization purposes. (2017: \$1,896 prior to plan benefit changes).

The Agreement specifies that, if an actuarial valuation indicates increased basic contribution rates are required, the increase must be shared equally by members and employers. The Agreement also describes the manner in which the Board can elect to apply surplus assets.

An estimate of the actuarial position of the Plan for funding purposes has been made to March 31, 2021, using the following long-term actuarial assumptions:

•	Annual investment return	6.00% (2017: 6.25%)
•	Annual salary escalation rate	3.25% (2017: 3.50%)

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

5. ACTUARIAL VALUATION OF THE BASIC ACCOUNT FOR FUNDING PURPOSES (CONTINUED)

a) Basic Account (continued)

This estimate, an extrapolation, produced an estimated funding surplus of \$3,101 as at March 31, 2021 (2020: \$2,682), as follows:

Funding extrapolation	 2021	2020
Net assets available for basic pension benefits	\$ 29,319	\$ 25,392
Actuarial asset value adjustment	(2,346)	(505)
Smoothed assets for basic pension benefits	26,973	24,887
Present value of future contributions at entry-age rate	5,989	5,344
Present value of temporary rate reduction below entry-age rate	(868)	(85)
Net actuarial assets for basic pension benefits	32,094	30, 146
Actuarial liability for accrued and future basic pension benefits	(28,993)	(27,464)
Entry-age method actuarial surplus	\$ 3,101	\$ 2,682
Changes in the extrapolated entry-age method funded status	2021	2020
Extrapolated entry-age method actuarial surplus, beginning of year	\$ 2,682	\$ 2,676
Adjustment to reflect the 2020 valuation	(700)	-
Extrapolated change in actuarial liability for accrued and future basic		
pension benefits	(1,208)	(1,395)
Extrapolated change in actuarial assets for basic pension benefits	 2,327	1,401
Extrapolated entry-age method actuarial surplus, end of year	\$ 3,101	\$ 2,682

Extrapolations may not be reliable indicators of the next valuation results, nor do they necessarily reflect the overall trend of results. Between valuations, various factors, including actual wage increases, investment earnings, and the incidence of retirements and withdrawals, may vary significantly from the long-term assumptions used in the extrapolation.

Measurement difference between funding and accounting positions

The primary components of the measurement differences between the extrapolated entry-age method funding surplus and the financial statement accounting surplus are as follows:

Measurement difference between funding and accounting positions	2021	2020
Entry-age method actuarial surplus	\$ 3,101 \$	2,682
Actuarial asset value adjustment	2,346	505
Difference in actuarial methods – present value of future contributions	(5,989)	(5,344)
Difference in actuarial methods – present value of rate reduction	868	85
Difference in actuarial methods – present value of future liabilities	6,506	5,967
Measurement differences between funding and accounting positions	3,731	1,213
Surplus for financial statement purposes	\$ 6,832 \$	3,895

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

5. ACTUARIAL VALUATION OF THE BASIC ACCOUNT FOR FUNDING PURPOSES (CONTINUED)

a) Basic Account (continued)

Actuarial asset value adjustment

For the purposes of determining the entry-age method surplus for funding purposes, the actuarial value of net assets available for benefits is determined on an adjusted value basis that smooths the difference between the actual investment return and the expected return based on a long-term real return rate over a five-year period.

The funding policy requires that the value of the assets be smoothed within a certain corridor. In the 2020 valuation, the corridor required that the smoothed value be no more than 108% and no less than 92% of the market value of the assets. The unconstrained smoothed value of the assets at March 31, 2021 was 91.8%, accordingly the smoothed value was adjusted to be 92.0% of the market value of the assets (2020: 98.0%).

The following schedule indicates the year the components of the actuarial asset value adjustment will be recognized in the entry-age method actuarial surplus. The amounts are based on that proportion of the total fund related to the Basic Account assets.

Actuarial asset value adjustment	2021	2020
2021	\$ - \$	449
2022	732	146
2023	560	(27)
2024	524	(63)
2025	586	-
Adjustment to 92% of market value in 2021	(56)	-
Total adjustment	\$ 2,346 \$	505

Difference in actuarial methods

While the accrued pension benefit liability for financial statement purposes uses the projected benefit method prorated on service, the pension liability for funding purposes uses an entry-age funding method, where the present value of future normal cost contributions, basic pension benefits for future service and future amortization amounts are included in the determination of the funded status of the Plan.

b) Inflation Adjustment Account (IAA)

No unfunded liability exists for the IAA, since the obligation for future inflation adjustments is limited to the amount of the available assets in the account. As inflation adjustments are granted to retired members, full funding for the granted inflation adjustment, on a net present value basis, is transferred from the IAA to the Basic Account, from which the pensions are paid. There is no minimum level of inflation adjustment required to be paid under the pension plan rules, nor is there any Plan provision to fund the IAA to any minimum level for future potential inflation adjustments.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

5. ACTUARIAL VALUATION OF THE BASIC ACCOUNT FOR FUNDING PURPOSES (CONTINUED)

b) Inflation Adjustment Account (IAA) (continued)

The Board annually considers all relevant factors and its IAA funding policy to determine if an inflation adjustment will be granted on pensions in pay and the amount of the inflation adjustment, if any.

The Board monitors the performance of the IAA and, at least annually, reviews a sensitivity analysis of the projected impact on the IAA of possible differing future economic trends. Such factors include inflation rates, real wage growth rates, real investment rates of return and group health benefits costs. This sensitivity analysis assists the Board to identify scenarios, some years in advance of their possible occurrence, in which the IAA assets may cease to grow and the Plan may not be able to grant full CPI increases.

6. FINANCIAL RISK MANAGEMENT

The Board approves the long-term asset mix policy for investment assets through its Statement of Investment Policies and Procedures (SIPP) and oversees the management of these assets through the Board's investment management agent, BCI. The SIPP requires diversification of investments among asset classes, sets guidelines on investment categories, and limits the exposure to individual investments and counterparties.

Significant risks are regularly monitored and managed by BCI, and actions are taken when appropriate, according to the Plan's SIPP. In addition, these risks are reviewed periodically with the Board. Such risks include liquidity risk, as well as other financial risks, which comprise currency risk, interest rate risk, other price risk and credit risk.

Financial risks are disclosed on a unit-of-account basis (note 6b), which represents the legal ownership of securities held, and at the underlying securities level (note 6c), which provides additional insight to other risks that may impact the financial instruments of the Plan. Both forms of disclosure provide valuable perspectives into financial risks that may directly or indirectly impact the financial statements and the funded status of the Plan. These two forms of risk disclosure are not additive to each other.

a) Liquidity risk

Liquidity risk is the risk of not being able to meet the Plan's cash requirements in a timely and costeffective manner. Expenditures relate primarily to pensions, termination and refund benefits, investment and administration costs, and retired member group benefits. The Plan's approach to mitigating liquidity risk is to forecast its cash requirements over the near and long term to determine whether sufficient funds are available.

The Plan's primary source of liquidity is income generated from the Plan's investments, and employer and employee contributions. Investments are primarily held in pooled funds, and the securities held are traded in active markets and can be readily sold, and where the pooled fund units can thereby be redeemed to fund cash requirements. Accounts payable of \$15 (2020: \$17) and payable for purchase of investments of \$13 (2020: \$11) are generally due within one month. Derivatives payable of \$68 (2020: \$343) are due within the next fiscal year.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

6. FINANCIAL RISK MANAGEMENT (CONTINUED)

b) Financial risks on a unit-of-account basis

Plan investments consist primarily of direct ownership in units of pooled investment portfolios. Each unit gives its holder a proportionate interest in the value of the net assets of the respective pooled investment fund. The unit-of-account of the Plan's investments is the units of the pooled investment funds.

Investments by unit-of-account	2021	%	2020	%
Pooled investment fund units	\$ 38,719	100.0	\$ 32,993	97.7
Directly held equity	-	0.0	583	1.7
Directly held debt	4	0.0	214	0.6
Investments	\$ 38,723	100.0	\$ 33,790	100.0

Market risk is the risk that the fair values of an investment will fluctuate as a result of changes in market conditions, whether those changes are caused by factors specific to the individual investment or factors affecting all securities traded in the market. Market risk consists of currency, interest rate and other price risk.

Currency risk

Currency risk is the risk that the value of financial instruments denominated in currencies other than the functional currency of the fund will fluctuate due to changes in foreign exchange rates. The Plan holds primarily Canadian dollar denominated investment pooled fund units and is exposed to currency risk through holdings of small amounts of foreign currency denominated debt investments (2020: private equity, agricultural, bonds and debt investments). See note 6c for currency exposure related to underlying securities.

Foreign denominated investments held as a percentage of the fund

	2021	%	2020	%
United States	\$ 360	0.9	\$ 1,180	3.5
Australia	94	0.3	86	0.3
Investments	\$ 454	1.2	\$ 1,266	3.8

As at March 31, 2021, if the Canadian dollar strengthened or weakened by 10% in relation to all foreign currencies, with all other factors remaining constant, net assets available for benefits would have decreased or increased by approximately \$45 (2020: \$127).

Interest rate risk

Interest rate risk is the risk that the fair value or future cash flow of plan investments will change as a result of future fluctuations in market interest rates. The majority of the Plan's investment assets are non-interest bearing and not subject to interest rate risk. See note 6c for interest rate risk related to underlying securities.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

6. FINANCIAL RISK MANAGEMENT (CONTINUED)

b) Financial risks on a unit-of-account basis (continued)

Other price risk

Other price risk is the risk that the fair value of a financial instrument will fluctuate because of changes in market prices (other than those arising from currency risk or interest rate risk), whether those changes are caused by factors specific to the individual financial instrument, its issuer or factors affecting all similar financial instruments traded in the market. The Plan's investments are subject to other price risk through its public equity investments and private market investments, including equity in real estate companies, held directly and through pooled investment portfolios. This risk is managed by diversifying investments across asset classes based on criteria established in the SIPP.

As at March 31, 2021, if the pooled investment fund unit and directly held equity prices increased or decreased by 10%, with all other factors remaining constant, net assets available for benefits would have increased or decreased by approximately \$3,872 (2020: \$3,358).

On March 11, 2020, the COVID-19 outbreak was declared a pandemic by the World Health Organization. The situation continues and remains dynamic with various cities and countries around the world responding in different ways to address the outbreak. As a result of the pandemic, global financial markets have experienced significant volatility. Given the extent of the crisis, it is difficult to estimate the ultimate impact or duration of the volatility on the Plan.

Credit risk

Credit risk is the risk that the counterparty to a financial instrument will fail to discharge an obligation or commitment it has entered into, resulting in a financial loss to the Plan. The majority of the Plan's investments are held in securities that are not subject to credit risk. See note 6c for credit risk related to underlying securities.

Credit exposure exists for members' and employers' contributions receivable directly held by the Plan totalling \$30 (2020: \$29), interest receivable \$16 (2020: \$2), for the derivatives \$259 (2020: \$37) and for the due from the sale of investments \$nil (2020: \$143).

c) Financial risks of underlying securities held through pooled investment funds

Pooled investment funds exist for different types of investments, such as short-term investments; bonds; Canadian, global and emerging markets equities; mortgages; real estate; private equity; and infrastructure and renewable resources. Examining the risks of the underlying securities contained in pooled investment funds provides additional disclosure to assess the overall financial risks of the plan investments. Viewing the financial risks of underlying securities is an alternative way of disclosing financial risks from the unit-of-account basis in note 6b. These risks are not considered additive to the financial risks already disclosed in note 6b.

Market risks are reduced through asset class diversification, diversification within each asset class and credit quality requirements on investments.

Currency risk

Currency exposure also arises from foreign currency denominated investments held directly and from underlying investments held indirectly in pooled investment funds. BCI has currency exposure management programs under which it enters into economic hedges of foreign currency exposure through the use of forward foreign currency contracts.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

6. FINANCIAL RISK MANAGEMENT (CONTINUED)

c) Financial risks of underlying securities held through pooled investment funds (continued)

Currency risk (continued)

The Plan's total currency exposure, the impact of economic hedging activities and its net exposure as at March 31 are as follows:

Fair value of foreign denominated investment holdings

2dn dollar equivalent)		Total kposure		onomic edging	e	Net xposure	% of total
				20)21		
United States	\$	15,904	\$	8,081	\$	7,823	59 %
Euro countries		2,866		528		2,338	17%
Asia-Pacific, excluding Japan		2,487		510		1,977 665	15%
Other		665					5%
Other Europe		440		-		440	3%
Japan	137			56		81	1%
United Kingdom		688		653		35	0%
	\$	23,187	\$	9,828	\$	13,359	100%
				20	20		
United States	\$	11,091	\$	5,863	\$	5,228	50%
Euro countries		2,232		479		1,753	17%
Asia-Pacific, excluding Japan		2,140		409		1,731	17%
Other		693		-		693	7%
Japan		465		37		428	4%
Other Europe		498		1		497	5%
United Kingdom		441		430		11	0%
	\$	17,560	\$	7,219	\$	10,341	100%

The net foreign currency exposure of its underlying investment represents 34% (2020: 31%) of the Plan's total investments.

Interest rate risk

The Plan's pooled investment funds hold interest-bearing financial instruments in short-term investments, bonds and mortgages. The risk of adverse changes in interest rates is reduced within the underlying investment pools through management of duration in exposure to fixed income securities, the use of floating rate notes and interest rate swaps, and general diversification by security type and geographic region. The Plan participates in a leveraged bond strategy using repurchase agreements that is included in the terms to maturity table below.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

6. FINANCIAL RISK MANAGEMENT (CONTINUED)

c) Financial risks of underlying securities held through pooled investment funds (continued)

Interest rate risk (continued)

The terms to contractual maturity of interest-bearing financial instruments held directly and through pooled investment portfolios as at March 31, are as follows:

Terms to maturity of interest-bearing financial instruments

	Within 1 year		1 to 5 years		5 to 10 years		Over 10 years	Total	Effective yield to maturity
	2021								
Short-term	\$ 1,000	\$	-	\$	3	\$	-	\$ 1,003	0.13%
Bonds	(2,951)		4,157		3,304		3,331	7,841	2.39%
Mortgages*	262		941		246		-	1,449	2.32%
Debt	-		-		4		-	4	4.80%
	\$ (1,689)	\$	5,098	\$	3,557	\$	3,331	\$ 10,297	
	 				20	20			
Short-term	\$ 605	\$	162	\$	-	\$	-	767	0.37%
Bonds	(2,928)		3,627		2,334		2,777	5,810	2.30%
Mortgages*	748		547		158		-	1,453	3.56%
Debt	-		-		214		-	214	5.66%
	\$ (1,575)	\$	4,336	\$	2,706	\$	2,777	\$ 8,244	

*Yield based on mortgages in the fixed term mortgage fund. Other mortgage funds contain variable rate mortgages.

As at March 31, 2021, if the prevailing interest rates had increased or decreased by 1%, assuming a parallel shift in the yield curve with all other variables remaining constant, the fair value of interestbearing financial instruments and net assets available for benefits would have decreased or increased by approximately \$504 (2020: \$435).

Other price risk

Other price risk associated with the underlying investments held in pooled investment funds is consistent with that described earlier in note 6b, which describes financial risks on a unit-of-account basis.

Credit risk

The Plan's underlying investment assets held in pooled investment funds attract credit risk. This is the risk that a loss may occur from the failure of another party to perform according to the terms of a contract. It's also the risk of losses when issuers and debtors are downgraded by credit rating agencies, usually leading to a fall in the market value of the debtors' obligations. Credit risk is managed by establishing specific investment criteria, such as minimum credit ratings for investees and counterparties and maximum concentration limits with given counterparties.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

6. FINANCIAL RISK MANAGEMENT (CONTINUED)

c) Financial risks of underlying securities held through pooled investment funds (continued)

Credit risk (continued)

Credit risk ratings on financial instruments (short-term investments, bonds, mortgages and debt) held directly and through pooled investment portfolios are as follows:

Credit rating of financial instruments	2021		2020	
ΑΑΑ/ΑΑ	\$ 2,692	26%	\$ 3,788	46%
A	2,886	28%	616	7%
BBB	384	4%	459	6%
Non-investment grade	1,023	10%	848	10%
	6,985	68%	5,711	69%
Unrated	3,312	32%	2,533	31%
	\$ 10,297	100%	\$ 8,244	100%

The ratings used are defined by Standard & Poor's rating agency. Obligations rated AAA/AA have the highest rating assigned. The lender's capacity to meet its financial commitment on the obligation is very strong. Bonds rated A, BBB or non-investment grade are weaker, with the BBB rating denoting an obligation with adequate protection parameters and a non-investment grade rating denoting major ongoing uncertainties or exposure to adverse business, financial or economic conditions that could lead to the debtor's inadequate capacity to meet its financial commitment on the obligation. Unrated financial instruments consist mainly of mortgages secured by real estate, debt and corporate bonds.

7. FAIR VALUE OF FINANCIAL INSTRUMENTS

a) Fair value hierarchy

Fair value measurements of the investment assets and liabilities are based on inputs from one or more levels of a fair value hierarchy. Each level is based on the transparency of the inputs used to measure the fair values of assets and liabilities. The three levels of the fair value hierarchy are as follows:

Level 1

Inputs are unadjusted quoted prices in active markets for identical assets or liabilities

Level 2

Inputs other than quoted prices that are observable for the asset or liability either directly or indirectly

Level 3

Inputs that are not based on observable market data

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

7. FAIR VALUE OF FINANCIAL INSTRUMENTS (CONTINUED)

a) Fair value hierarchy (continued)

Plan investments are carried at fair value in the financial statements. The following table details the classification of the Plan's investments based on the fair value hierarchy as at March 31:

Fair value hierarchy	L	evel 1	el 1 Level 2		Level 3		Total
				20	21		
Pooled fund units	\$	1,003	\$	23,373	\$	14,343	\$ 38,719
Directly held equity		-		-		-	-
Directly held debt		-		-		4	4
Investments	\$	1,003	\$	23,373	\$	14,347	\$ 38,723
Derivatives	\$	-	\$	191	\$	-	\$ 191
				20	20		
Pooled fund units	\$	605	\$	20,436	\$	11,952	\$ 32,993
Directly held equity		-		-		583	583
Directly held debt		-		-		214	214
Investments	\$	605	\$	20,436	\$	12,749	\$ 33,790
Derivatives	\$	-	\$	(306)	\$	-	\$ (306)

During 2021 and 2020, there were no significant transfers of investments between levels.

The following table reconciles the Plan's level 3 fair value measurements:

	Po	oled fund						
Level 3 fair value hierarchy		units	Dire	ect equity	Di	rect debt		Total
				20	21			
Balance, beginning of year	\$	11,952	\$	583	\$	214	\$	12,749
Net gain included in investment income		526		(56)		(13)		457
Purchases		17,916		264		3		18,183
Sales		(16,051)		(791)		(200)		(17,042)
Balance, end of year	\$	14,343	\$	-	\$	4	\$	14,347
Total unrealized gain (loss) included in investment income	\$	334	\$	(244)	\$	(15)	\$	75
				20	20			
Balance, beginning of year	\$	8,719	\$	539	\$	92	\$	9,350
Net gain (loss) included in investment income		1,476		47		8		1,531
Purchases		3,002		299		115		3,416
Sales		(1,245)		(302)		(1)		(1,548)
Balance, end of year	\$	11,952	\$	583	\$	214	\$	12,749
Total unrealized gain (loss) included in investment income	\$	1,026	\$	47	\$	8	\$	1,081
							,	

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

7. FAIR VALUE OF FINANCIAL INSTRUMENTS (CONTINUED)

b) Valuation models

The objective of valuation techniques is to arrive at a fair value measurement that reflects the price that would be received to sell the asset or paid to transfer the liability in an orderly transaction between market participants at the measurement date.

BCI uses widely recognized valuation methods for determining the fair value of common and less complex financial instruments such as investments in pooled funds, where fair value is based on the underlying net asset value of the respective pooled fund as determined by the underlying fund manager. Observable prices and model inputs are usually available in the market for listed equity and debt securities, simple derivatives such as forward or future currency contracts and pooled funds.

The availability of observable market prices and model inputs reduces the need for management judgment and estimation, and reduces the uncertainty associated with the determination of fair values. The availability of observable market prices and inputs varies depending on the financial instrument and is subject to change based on specific events and general conditions in the financial markets.

For more complex financial instruments, such as direct private equity investments held by the Plan, BCI uses proprietary valuation models, which are usually developed from recognized valuation models. Some or all of the significant inputs into these models may not be observable in the market and are derived from market prices or rates, or estimated based on assumptions. Valuation models that employ significant unobservable inputs require a higher degree of judgment and estimation in the determination of fair value. BCI's judgment and estimation are usually required for the selection of the appropriate valuation model to be used, determination of expected future cash flows of the financial instrument being valued, determination of the probability of counterparty default and prepayments, and selection of appropriate discount rates.

Fair value estimates obtained from models are adjusted for any other factors, such as liquidity risk or model uncertainties, to the extent that BCI believes that a third-party market participant would take them into account in pricing a transaction. Fair values reflect the credit risk of the instrument and include adjustments to take account of the credit risk of the Plan and the counterparties where appropriate.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

7. FAIR VALUE OF FINANCIAL INSTRUMENTS (CONTINUED)

c) Valuation framework

BCI has an established framework with respect to the measurement of fair values of financial instruments. Where possible, for direct private equity investments held by the Plan, external, independent valuation specialists are engaged annually to assist in the determination of fair value. In those circumstances where BCI relies on the third-party manager for the determination of fair value, BCI reviews the appropriateness of such valuations using audited financial statements of the underlying investments, where available, and other information from the underlying third-party manager or other sources.

In addition, BCI applies the following specific controls in relation to the determination of fair values:

- Verification of observable pricing inputs
- Appraisal of domestic real estate properties once every 10 to 18 months by accredited independent appraisers
- Analysis and investigation of significant valuation movements
- Review of unobservable inputs and valuation adjustments

When third-party information such as broker quotes or pricing services is used to measure fair value, BCI assesses and documents the evidence obtained from the third parties to support the conclusion that such valuations are appropriate. This includes:

- Verifying that the broker or pricing service is approved by BCI for use in pricing the relevant type of financial instrument
- Understanding how the fair value has been arrived at and the extent to which it represents actual market transactions
- Understanding how fair value has been determined when a number of quotes for similar financial instruments have been obtained
- Understanding how prices for similar financial instruments used to measure fair value have been adjusted to reflect the characteristics of the financial instrument subject to measurement

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

7. FAIR VALUE OF FINANCIAL INSTRUMENTS (CONTINUED)

d) Significant unobservable inputs used in measuring fair value

The following table sets out information about significant unobservable inputs used at year-end in measuring financial instruments categorized as level 3 in the fair value hierarchy.

Significant unobservable inputs used in measuring fair value

Description	Fa	air value	Valuation technique	Unobservable input	A	mount / range	Sensitivity to change in significant unobservable input
				2021			
							<i>The estimated fair value would increase if:</i>
Pooled fund units	\$	14,343	Net asset value	Net asset value	\$	14,343	The net asset value increased
			Discounted cash				
Direct debt	\$	4	flow	Discount rate		4.8%	The discount rate decreased
				2020			
							<i>The estimated fair value would increase if:</i>
Pooled fund units	\$	11,952	Net asset value	Net asset value	\$	11,952	The net asset value increased
Direct private equity	\$	421	Discounted cash flow	Discount rate		11.6%	The discount rate decreased
Direct private agriculture investments	\$	162	Net asset value	Net asset value	\$	162	The net asset value increased
Direct debt	\$	214	Discounted cash flow	Discount rate		4.8% - 17.0%	The discount rate decreased

Net asset value

Net asset value is determined by BCI based on the fair value of assets less liabilities. Such investments are closed funds with significant restrictions on redemptions, and accordingly, BCI is unable to dispose of the pooled fund investment until the maturity or wind-up and liquidation of the respective pooled fund. In such cases, it is the Plan's policy to categorize the pooled fund investment as level 3 within the fair value hierarchy.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

7. FAIR VALUE OF FINANCIAL INSTRUMENTS (CONTINUED)

d) Significant unobservable inputs used in measuring fair value (continued)

Discount rate

This represents the discount rate applied to the expected future cash flows of the direct private equity and direct debt investment. For the discount rates used, the underlying investment manager assesses both the risk premium and the appropriate risk-free rate based on the economic environment in which the investee entity operates. The discount rate is adjusted for such matters as liquidity differences, credit and market factors. The estimated future cash flows are then discounted using the discount rate determined. Cash flows used in the discounted cash flow model are based on projected cash flows or earnings of the respective investee entity.

e) Effects of unobservable input on fair value measurement

The use of different methodologies or assumptions could lead to different measurements of fair value. For fair value measurements in level 3, changing one or more of the assumptions used for a reasonable alternative assumption could have the following effects on net assets attributable to holders of redeemable units.

The pooled fund units, direct private agriculture investments and direct debt investment were valued based on information received from BCI, the manager of the respective investments. The fair value of these investments fluctuates in response to changes to specific assumptions for these particular investments, as determined by BCI. The favourable and unfavourable effects of reasonable alternative assumptions for the valuation of pooled fund units, direct private agriculture investments and direct debt investments have been calculated by adjusting the respective underlying net asset value by 10%.

		20	021			20	020	20	
	Fav	Favourable Un		Unfavourable		Favourable		avourable	
Pooled fund units	\$	1,434	\$	(1,434)	\$	1,195	\$	(1,195)	
Direct private equity		-		-		29		(29)	
Direct private agriculture investments		-		-		16		(16)	
Direct debt		-		-		21		(21)	
	\$	1,434	\$	(1,434)	\$	1,261	\$	(1,261)	

Effects of unobservable input on level 3 fair value measurement

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

7. FAIR VALUE OF FINANCIAL INSTRUMENTS (CONTINUED)

e) Effects of unobservable input on fair value measurement (continued)

For direct private equity investments, BCI engages third-party independent valuators to estimate the fair market value. The valuators produce comprehensive reports for each applicable investment. The favourable and unfavourable effects of reasonable alternative assumptions for the valuation of direct investments have been calculated by recalibrating the model values using unobservable inputs based on the upper and lower threshold of the respective investment's range of possible estimates.

f) Financial instruments not measured at fair value

The carrying value of members' contributions receivable, employers' contributions receivable, due from sale of investments, accounts payable and accrued expenses, and payable for purchase of investments approximate their fair value given their short-term nature. These financial instruments are classified as level 2 in the fair value hierarchy because, while prices are available, there is no active market for these instruments.

8. INVESTMENT INCOME

						2021					2020
	Inc	ome	Ch	ange in			In	come	Cha	ange in	
	allo	cation	fai	fair value Total allo		allocation		r value	Total		
Short-term	\$	3	\$	(55)	\$	(52)	\$	20	\$	43	\$ 63
Bonds		155		(40)		115		109		-	109
Canadian equities		50		582		632		93		(261)	(168)
Global equities		128		2,749		2,877		211		(462)	(251)
Emerging markets equities		54		1,137		1,191		81		(269)	(188)
Mortgages		56		(70)		(14)		41		72	113
Real estate		100		(47)		53		325		47	372
Private equity		113		465		578		247		703	950
IRR*		39		(46)		(7)		204		173	377
		698		4,675		5,373		1,331		46	1,377
Directly held derivatives		-		523		523		-		(283)	(283)
	\$	698	\$	5,198	\$	5,896	\$	1,331	\$	(237)	\$ 1,094

* Infrastructure and renewable resources

Investment income represents realized and unrealized pooled investment portfolio income attributable to the Plan, as a unit holder, and income from directly held investments. Income allocation is composed of interest, dividends and other investment payments. Change in fair value is composed of realized gains and losses on the disposal of investments and derivatives, and unrealized gains and losses on investments and derivatives held at year-end. All income earned within a pooled investment portfolio is reinvested within the portfolio.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

9. CONTRIBUTIONS

	a	Basic ccount	ad	nflation justment ccount	be	olemental mefits count		Total
				20	21			
Employer contributions								
Province of British Columbia								
Regular	\$	161	\$	55	\$	19	\$	235
Past service purchases		1		-		-		1
Retired member group benefits		-		-		13		13
		162		55		32		249
Other employers								
Regular		146		46		2		194
Past service purchases		1		-		-		1
Retired member group benefits		-		-		11		11
		147		46		13		206
Total employer contributions		309		101		45		455
Member contributions								
Regular		316		56		1		373
Past service purchases		4		1		-		5
· · · ·	320 57 1	378						
	\$	629	\$	158	\$	46	\$	833
				20	20			
Employer contributions								
Province of British Columbia								
Regular	\$	154	\$	52	\$	17	\$	223
Past service purchases		1		-		-		1
Retired member group benefits		-		-		13		13
		155		52		30		237
Other employers								
Regular		138		43		2		183
Past service purchases		1		-		-		1
Retired member group benefits		-		-		11		11
		139		43		13		195
Total employer contributions		294		95		43		432
Member contributions								
Regular		299		53		1		353
Past service purchases		5		1		-		6
		304		54		1		359
	\$	598	\$	149	\$	44	\$	791

Member and employer contributions are as defined under the pension plan rules. Members' past service purchases are voluntary contributions.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

10. BENEFITS

	Basic count	Inflation adjustmer account	nt	upplemental benefits account		Total
Regular pension benefits	\$ 959	\$	- 3	\$ 18	\$	977
Indexing—regular pension benefits	191		-	3		194
Termination and refund benefits	34	5	4	1		89
Death benefit payments	12		9	-		21
	\$ 1,196	\$ 6	3 3	\$ 22	\$	1,281
			202	0		
Regular pension benefits	\$ 921	\$	- 9	\$ 17	\$	938
Indexing—regular pension benefits	181		-	2		183
Termination and refund benefits	31	2	14	1		76
Death benefit payments	13		8	-		21
	\$ 1,146	\$ 5	2	\$ 20	\$	1,218

11. SUPPLEMENTAL BENEFITS ACCOUNT

The Supplemental Benefits Account funds certain supplemental benefits; for example, pension benefits which exceed the *Income Tax Act* limits for registered pension plans are paid through this account. Certain group benefit coverage has been provided for retired members through this account. The availability, type and level of retired member group benefit coverage are contingent upon the availability of funding for such benefits.

To the extent retired member group benefits are funded from the Supplemental Benefits Account (2021: \$24; 2020: \$24), they are funded from current contributions that would otherwise be employer contributions to the IAA and are capped at 1% of pensionable salaries, which equates to 25% of total current member and employer IAA contributions. Retired member group benefit costs (shown on the Statement of Changes in Net Assets Available for Benefits) represent group benefit costs paid by the Plan less any premiums paid by retired members.

12. RELATED PARTY TRANSACTIONS

a) Transfers from Members of the Legislative Assembly (MLA) Superannuation Account

The Members of the Legislative Assembly Superannuation Account (MLA Account) was established under Part 2 of the *Members' Remuneration and Pensions Act* which was amended in July 1995 to discontinue the accrual of benefit entitlements under Part 2 after June 19, 1996. As at March 31, 2021, two members remain (2020: four members) with eligibility for a benefit from the MLA Account.

When an eligible MLA is granted a pension, the present value of the pension is transferred from the MLA Account to the Plan, from which monthly benefits are paid. During the year ended March 31, 2021, two pensions were granted (2020: no pension granted).

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

12. RELATED PARTY TRANSACTIONS (CONTINUED)

a) Transfers from Members of the Legislative Assembly (MLA) Superannuation Account (continued)

Transfers from MLA Account (\$ thousands)	2021	2020
Present value of MLA pension granted	\$ 606	\$ -
Present value transfer for indexing supplements	162	-
	\$ 768	\$ -

b) Investment and administration costs

		2021	2020	
Investment management	\$	101.0	\$	65.6
Benefit administration		18.7		21.9
Board secretariat		0.3		0.3
Board remuneration and expenses		0.3		0.4
Other professional services		0.5		0.4
Actuarial and audit		0.4		0.2
	\$	121.2	\$	88.8

Investment and administration costs include audit fees of \$55 thousand (2020: \$53 thousand) and actuary fees of \$380 thousand (2020: \$125 thousand).

BCI and Pension Corporation are related parties to the Plan. The Board appoints members to each of the respective corporate boards. BCI and Pension Corporation are participating employers in the Plan. Investment management and benefit administration costs are approved by the Board.

Investment management costs represent amounts charged to recover internal and external management costs incurred by BCI, except those external management fees related to investments managed by an underlying external manager, where management fees are embedded in the net assets of the respective investment. Underlying external investment management fees of \$48 (2020: \$60) were netted against investment income.

Benefit administration costs represent amounts charged to recover benefit administration costs incurred by Pension Corporation. These transactions are in the normal course of operations and are measured at the exchange amount of consideration established and agreed to by the related parties.

Board secretariat costs represent amounts directly incurred by the Board for costs associated with supporting the Board.

Other professional services costs include insurance and legal fees incurred directly by the Plan.

Board remuneration and expenses represent amounts for trustee compensation and direct expenses.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

13. ACCOUNT TRANSFERS

		2021 20			020			
			In	Inflation			In	flation
	E	Basic	adj	ustment	E	Basic	adju	istment
	ac	count	a	ccount	ac	count	ac	count
Indexing supplements	\$	113	\$	(113)	\$	226	\$	(226)
Indexing deferred pensions		9		(9)		9		(9)
	\$	122	\$	(122)	\$	235	\$	(235)

The IAA is a separate account maintained for funding current and future inflation adjustments. The IAA is funded through a portion of ongoing contributions from employers and members, investment income earned and excess investment return earned in the Basic Account.

Inflation adjusted pension payments are made from the Basic Account. Each year, if members' pension payments are adjusted for the current inflation adjustment, monies are transferred from the IAA to the Basic Account to cover the present value of all future payments arising from the current inflation adjustment. The Board annually considers all relevant factors and its IAA funding policy to determine if an inflation adjustment will be granted on pensions in pay and the amount of the inflation adjustment, if any. As at January 1, 2021, retired members received an inflation adjustment of 1.0% (2020: 1.9%) and indexing supplements were transferred.

When a deferred pension commences, the present value of the inflation adjustment during the deferral period is transferred from the IAA to the Basic Account. Approximately \$93 (2020: \$96) of the current IAA balance is for inflation adjustments already granted for deferred pensions but not yet transferred to the Basic Account.

Excess investment return is based on investment income earned on those assets in the Basic Account required for pensions currently being paid: approximately \$12.3 billion of assets for 2021 (2020: \$11.4 billion). The excess investment return rate is determined by taking the difference between the actual five-year annualized market rate of return (9.70%) and the rate of return used by the Plan actuary (6.00%; 2020: 6.25% from 2017 valuation) in valuing the Plan's liabilities. The calculated excess investment return rate for 2021 was 3.70% (2020: 0.05%), resulting in an excess investment return amount of \$456 (2020: \$6).

Plan rules allow the positive excess investment return transfer to occur at the discretion of the Board. The Board did not elect to transfer this excess investment return in the Basic Account to the IAA.

Should the excess investment return in any year not be transferred to the IAA, it will be carried forward cumulatively with interest and be available for transfer to the IAA at the discretion of the Board, in the future. If the balance is ever negative, it will be offset against future positive excess investment returns before transfers to the IAA will recommence. The excess investment interest is an amount determined by applying the five-year annualized market rate of return to the fiscal year opening balance.

Notes to the financial statements for the year ended March 31, 2021

(\$ millions except as otherwise noted)

13. ACCOUNT TRANSFERS (CONTINUED)

Excess investment return	 2021	2020		
Cumulative excess investment return, beginning of year	\$ 729	\$ 680		
Interest applied to beginning of year amount	71	43		
Excess investment return	456	6		
Cumulative excess investment return, end of year	\$ 1,256	\$ 729		

14. COMMITMENTS

The Plan participates in private equity, international real estate, mortgages, and infrastructure and renewable resource pools. As at March 31, 2021, the Plan's share of commitments for future investment contracts in these pools over the next several years is approximately \$5,817 (2020: \$6,098).

15. CAPITAL DISCLOSURES

Capital is defined as the funded status (surplus or deficit) of the Plan as determined by the actuary. The Plan's objective for managing capital is to ensure that the assets of the Plan are invested prudently and effectively, and with contributions adequate to meet the obligations of the Plan. Management of the Plan's funded status is achieved by adjusting member and employer contribution rates; through implementation of the SIPP, which affects the earnings of the Plan; and, in the case of the IAA, by changing the benefits paid. The Board has a funding policy that outlines the principles that provide guidance in managing this process. The investment performance of the Plan's assets is reviewed by the Board on a regular basis and compared to relevant industry benchmarks. Benefit entitlement is based on the provisions of the Agreement and the pension plan rules. Funding deficits must be funded over a period not to exceed 15 years.

An actuarial valuation must be prepared at least once every three years. The latest actuarial valuation for funding purposes was prepared as at March 31, 2020, and has two components, the Basic Account non-indexed benefits and, by considering the valuation of the entire Plan, the non-guaranteed inflation adjustment account benefits. The next full actuarial valuation will be carried out as at March 31, 2023, with the results included in the March 31, 2024 financial statements.

The Act and the Board's funding policy require that contribution rates comply with the going-concern requirements of the PBSA.

16. PRIOR YEAR COMPARATIVES

The prior year comparatives have been reclassified to conform to the current year presentation.

Appendix Employer list

Α

Alliance Facility Solutions Inc. Architectural Institute of British Columbia Association of Doctors of BC

B

BC Government and Service Employees' Union BC Family Maintenance Agency Ltd. BC Ferry and Marine Workers' Union BC Infrastructure Benefits Inc. BC Oil and Gas Commission BC Pavilion Corporation **BC** Public Service Agency British Columbia Assessment Authority British Columbia Centre for Disease Control (an operation of Provincial Health Services Authority) British Columbia College of Social Workers British Columbia Excluded Employees' Association British Columbia Ferry Services Inc. British Columbia Financial Services Authority British Columbia Housing Management Commission British Columbia Innovation Council British Columbia Institute of Technology British Columbia Investment Management Corporation British Columbia Mental Health Society (Riverview Hospital is an operation of Provincial Health Services Authority) British Columbia Milk Marketing Board **British Columbia Pension Corporation** British Columbia Rapid Transit Company Ltd. British Columbia Safety Authority British Columbia Securities Commission British Columbia Transit Authority British Columbia Treaty Commission British Columbia Utilities Commission **Broadmead Care Society**

Appendix: Employer list

Brookfield GIS Workplace Solutions Inc. Building Officials' Association of British Columbia

С

Canada/British Columbia Business Services Society Canadian Office and Professional Employees' Union, Local 378 Canadian Road Builders Inc. dba Lafrentz Road Marking Division Coast Mountain Bus Company Ltd. Cobra Electric (South Coast) Ltd. Cobra Electric Regional Services Ltd. College of Applied Biology College of Physicians and Surgeons of British Columbia Columbia Basin Trust Columbia Power Corporation Community Living British Columbia Creative BC Society

Е

E-Comm Emergency Communications for British Columbia Inc. Elections British Columbia Emergency Health Services Commission ESIT Advanced Solutions Inc.

F

First Peoples' Heritage, Language and Culture Council Forensic Psychiatric Services Commission Forestry Innovation Investment Ltd. Fraser Health Authority Fraser River Marine Transportation Ltd. Fraser Valley Aboriginal Children and Family Services Society Freshwater Fisheries Society of BC

G

GAEA Management Ltd.

Η

Habitat Conservation Trust Foundation

Appendix: Employer list

Ι

Industry Training Authority Infrastructure BC Inc. Insurance Corporation of British Columbia Interior Health Authority Islands Trust Council ISM Information Systems Management Canada Corporation

J

Justice Development Commission

K

Kw'umut Lelum Child and Family Services Society

\mathbf{L}

Land Title and Survey Authority of British Columbia Legislative Assembly of British Columbia Liquor Distribution Branch Lu'ma Native Housing Society

\mathbf{M}

MAXIMUS BC Health Benefits Operations Inc. MAXIMUS BC Health Inc. MAXIMUS Canada Services (BC) Inc.

Ν

NIŁ TU,O Child and Family Services Society Northern Development Initiative Trust Northern Health Authority NTT DATA BCU, Inc.

Ρ

Professional Employees Association Protrans BC Operations Ltd. Providence Health Care Society Provincial Health Services Authority Public Service Pension Plan Appendix: Employer list

R

Real Estate Council of British Columbia Royal BC Museum

S

Scw'exmx Child and Family Services Society Secwépemc Child and Family Services South Coast British Columbia Transportation Authority Southern Interior Development Initiative Trust

Т

TELUS Employer Solutions Inc. Themis Program Management and Consulting Ltd. Thompson Health Region Thompson River University TransLink Security Management Ltd. Transportation Investment Corporation

U

Union of Psychiatric Nurses

V

Vancouver Aboriginal Child and Family Services Society Vancouver Coastal Health Authority Vancouver Island Health Authority

W

WaterBridge Equipment Inc. WaterBridge Ferries Inc. West Coast Express Ltd. Western Pacific Marine Ltd. Workers' Compensation Appeal Tribunal

Y

Yellowhead Road & Bridge (Nicola) Ltd.



This is a publication of the Public Service Pension Board of Trustees. If you have any questions about the information contained in this report, please contact:

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