

ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

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ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

1. Blended Amortization

- Loan issued at current interest rate
- Fixed payments – blended payments of principal and interest
- Semi-annual payments begin 6 months after loan is issued

Example:

Amount	\$1,000,000
Issue Date	16 Jun 2014
Maturity Date	16 Jun 2024
Borrowing Term	10 Years
Interest Rate	2.851%
Repayment Term	Semi-Annually

Payment Number	Date	Beginning Principal	Payment	Principal	Interest	Closing Balance
	16 Jun 2014	1,000,000.00	0.00	0.00	0.00	1,000,000.00
1	16 Dec 2014	1,000,000.00	57,818.87	43,563.87	14,255.00	956,436.13
2	16 Jun 2015	956,436.13	57,818.87	44,184.87	13,634.00	912,251.26
3	16 Dec 2015	912,251.26	57,818.87	44,814.73	13,004.14	867,436.53
4	16 Jun 2016	867,436.53	57,818.87	45,453.56	12,365.31	821,982.97
5	16 Dec 2016	821,982.97	57,818.87	46,101.50	11,717.37	775,881.47
6	16 Jun 2017	775,881.47	57,818.87	46,758.68	11,060.19	729,122.79
7	16 Dec 2017	729,122.79	57,818.87	47,425.22	10,393.65	681,697.57
8	16 Jun 2018	681,697.57	57,818.87	48,101.27	9,717.60	633,596.30
9	16 Dec 2018	633,596.30	57,818.87	48,786.95	9,031.92	584,809.35
10	16 Jun 2019	584,809.35	57,818.87	49,482.41	8,336.46	535,326.94
11	16 Dec 2019	535,326.94	57,818.87	50,187.78	7,631.09	485,139.16
12	16 Jun 2020	485,139.16	57,818.87	50,903.21	6,915.66	434,235.95
13	16 Dec 2020	434,235.95	57,818.87	51,628.84	6,190.03	382,607.11
14	16 Jun 2021	382,607.11	57,818.87	52,364.81	5,454.06	330,242.30
15	16 Dec 2021	330,242.30	57,818.87	53,111.27	4,707.60	277,131.03
16	16 Jun 2022	277,131.03	57,818.87	53,868.37	3,950.50	223,262.66
17	16 Dec 2022	223,262.66	57,818.87	54,636.26	3,182.61	168,626.40
18	16 Jun 2023	168,626.40	57,818.87	55,415.10	2,403.77	113,211.30
19	16 Dec 2023	113,211.30	57,818.87	56,205.04	1,613.83	57,006.26
20	16 Jun 2024	57,006.26	57,818.87	57,006.26	812.61	0.00
			1,156,377.40	1,000,000.00	156,377.40	

ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

2. Forward Rate Loan

- Loan issued in the future
- Interest rate hedged at current rate
- Fixed payments – blended payments of principal and interest
- Semi-annual payments begin 6 months after loan is issued

Example:

Amount	\$1,000,000
Interest Rate hedged on	16 Jun 2014
Issue Date	15 Dec 2014
Maturity Date	15 Dec 2024
Borrowing Term	10 Years
Interest Rate	2.851%
Repayment Term	Semi-Annually

Payment Number	Date	Beginning Principal	Payment	Principal	Interest	Closing Balance
	16 Jun 2014	0.00	0.00	0.00	0.00	0.00
	15 Dec 2014	1,000,000.00	0.00	0.00	0.00	1,000,000.00
1	15 Jun 2015	1,000,000.00	57,818.87	43,563.87	14,255.00	956,436.13
2	15 Dec 2015	956,436.13	57,818.87	44,184.87	13,634.00	912,251.26
3	15 Jun 2016	912,251.26	57,818.87	44,814.73	13,004.14	867,436.53
4	15 Dec 2016	867,436.53	57,818.87	45,453.56	12,365.31	821,982.97
5	15 Jun 2017	821,982.97	57,818.87	46,101.50	11,717.37	775,881.47
6	15 Dec 2017	775,881.47	57,818.87	46,758.68	11,060.19	729,122.79
7	15 Jun 2018	729,122.79	57,818.87	47,425.22	10,393.65	681,697.57
8	15 Dec 2018	681,697.57	57,818.87	48,101.27	9,717.60	633,596.30
9	15 Jun 2019	633,596.30	57,818.87	48,786.95	9,031.92	584,809.35
10	15 Dec 2019	584,809.35	57,818.87	49,482.41	8,336.46	535,326.94
11	15 Jun 2020	535,326.94	57,818.87	50,187.78	7,631.09	485,139.16
12	15 Dec 2020	485,139.16	57,818.87	50,903.21	6,915.66	434,235.95
13	15 Jun 2021	434,235.95	57,818.87	51,628.84	6,190.03	382,607.11
14	15 Dec 2021	382,607.11	57,818.87	52,364.81	5,454.06	330,242.30
15	15 Jun 2022	330,242.30	57,818.87	53,111.27	4,707.60	277,131.03
16	15 Dec 2022	277,131.03	57,818.87	53,868.37	3,950.50	223,262.66
17	15 Jun 2023	223,262.66	57,818.87	54,636.26	3,182.61	168,626.40
18	15 Dec 2023	168,626.40	57,818.87	55,415.10	2,403.77	113,211.30
19	15 Jun 2024	113,211.30	57,818.87	56,205.04	1,613.83	57,006.26
20	15 Dec 2024	57,006.26	57,818.87	57,006.26	812.61	0.00
			1,156,377.40	1,000,000.00	156,377.40	

ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

3. Bullet

- Loan issued at current interest rate
- Interest only payments until the last payment
- Entire principal and interest for last payment
- Semi-annual payments begin 6 months after loan is issued

Example:

Amount	\$1,000,000
Issue Date	16 Jun 2014
Maturity Date	16 Jun 2024
Borrowing Term	10 Years
Interest Rate	2.851%
Repayment Term	Semi-Annually

Payment Number	Date	Beginning Principal	Payment	Principal	Interest	Closing Balance
	16 Jun 2014	1,000,000.00	0.00	0.00	0.00	1,000,000.00
1	16 Dec 2014	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
2	16 Jun 2015	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
3	16 Dec 2015	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
4	16 Jun 2016	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
5	16 Dec 2016	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
6	16 Jun 2017	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
7	16 Dec 2017	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
8	16 Jun 2018	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
9	16 Dec 2018	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
10	16 Jun 2019	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
11	16 Dec 2019	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
12	16 Jun 2020	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
13	16 Dec 2020	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
14	16 Jun 2021	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
15	16 Dec 2021	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
16	16 Jun 2022	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
17	16 Dec 2022	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
18	16 Jun 2023	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
19	16 Dec 2023	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
20	16 Jun 2024	1,000,000.00	1,014,255.00	1,000,000.00	14,255.00	0.00
			1,285,100.00	1,000,000.00	285,100.00	

ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

4. Disbursement

- Total loan amount is disbursed in instalments (Last instalment must occur within 18 months of the first instalment)
- Interest rate issued at current rate
- Interest only payments until the last disbursement
- Fixed payments thereafter– blended payments of principal and interest
- Semi-annual payments begin 6 months after first instalment

Example:

First Disbursement on 16 Jun 2014	\$1,000,000
Second Disbursement on 16 Dec 2014	\$1,000,000
Third Disbursement on 16 Jun 2015	<u>\$1,000,000</u>
Total Issue Amount	<u>\$3,000,000</u>
Maturity Date	16 Jun 2020
Borrowing Term	6 Years (Borrowing term begins on first disbursement)
Interest Rate	2.851%
Repayment Term	Semi-Annually

Payment Number	Date	Beginning Principal	Disbursement	Interest Rate	Payment	Principal	Interest	Closing Balance
	16 Jun 2014	0.00	1,000,000.00	2.85100%	0.00	0.00	0.00	1,000,000.00
1	16 Dec 2014	1,000,000.00	1,000,000.00	2.85100%	14,255.00	0.00	14,255.00	2,000,000.00
2	16 Jun 2015	2,000,000.00	1,000,000.00	2.85100%	28,510.00	0.00	28,510.00	3,000,000.00
3	16 Dec 2015	3,000,000.00			324,019.96	281,254.96	42,765.00	2,718,745.04
4	16 Jun 2016	2,718,745.04			324,019.96	285,264.25	38,755.71	2,433,480.79
5	16 Dec 2016	2,433,480.79			324,019.96	289,330.69	34,689.27	2,144,150.10
6	16 Jun 2017	2,144,150.10			324,019.96	293,455.10	30,564.86	1,850,695.00
7	16 Dec 2017	1,850,695.00			324,019.96	297,638.30	26,381.66	1,553,056.70
8	16 Jun 2018	1,553,056.70			324,019.96	301,881.14	22,138.82	1,251,175.56
9	16 Dec 2018	1,251,175.56			324,019.96	306,184.45	17,835.51	944,991.11
10	16 Jun 2019	944,991.11			324,019.96	310,549.11	13,470.85	634,442.00
11	16 Dec 2019	634,442.00			324,019.96	314,975.99	9,043.97	319,466.01
12	16 Jun 2020	319,466.01			324,019.96	319,466.01	4,553.95	0.00
			3,000,000.00		3,282,964.60	3,000,000.00	282,964.60	

ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

5. Fixed Principal (Also known as Declining Payment)

- Loan issued at current interest rate
- Fixed principal and declining interest
- Semi-annual payments begin 6 months after loan is issued

Example:

Amount	\$1,000,000
Issue Date	16 Jun 2014
Maturity Date	16 Jun 2024
Borrowing Term	10 Years
Interest Rate	2.851%
Repayment Term	Semi-Annually
Repayment Type	Fixed principal and declining interest.

Payment Number	Date	Beginning Principal	Payment	Principal	Interest	Closing Balance
	16 Jun 2014	1,000,000.00	0.00	0.00	0.00	1,000,000.00
1	16 Dec 2014	1,000,000.00	64,255.00	50,000.00	14,255.00	950,000.00
2	16 Jun 2015	950,000.00	63,542.25	50,000.00	13,542.25	900,000.00
3	16 Dec 2015	900,000.00	62,829.50	50,000.00	12,829.50	850,000.00
4	16 Jun 2016	850,000.00	62,116.75	50,000.00	12,116.75	800,000.00
5	16 Dec 2016	800,000.00	61,404.00	50,000.00	11,404.00	750,000.00
6	16 Jun 2017	750,000.00	60,691.25	50,000.00	10,691.25	700,000.00
7	16 Dec 2017	700,000.00	59,978.50	50,000.00	9,978.50	650,000.00
8	16 Jun 2018	650,000.00	59,265.75	50,000.00	9,265.75	600,000.00
9	16 Dec 2018	600,000.00	58,553.00	50,000.00	8,553.00	550,000.00
10	16 Jun 2019	550,000.00	57,840.25	50,000.00	7,840.25	500,000.00
11	16 Dec 2019	500,000.00	57,127.50	50,000.00	7,127.50	450,000.00
12	16 Jun 2020	450,000.00	56,414.75	50,000.00	6,414.75	400,000.00
13	16 Dec 2020	400,000.00	55,702.00	50,000.00	5,702.00	350,000.00
14	16 Jun 2021	350,000.00	54,989.25	50,000.00	4,989.25	300,000.00
15	16 Dec 2021	300,000.00	54,276.50	50,000.00	4,276.50	250,000.00
16	16 Jun 2022	250,000.00	53,563.75	50,000.00	3,563.75	200,000.00
17	16 Dec 2022	200,000.00	52,851.00	50,000.00	2,851.00	150,000.00
18	16 Jun 2023	150,000.00	52,138.25	50,000.00	2,138.25	100,000.00
19	16 Dec 2023	100,000.00	51,425.50	50,000.00	1,425.50	50,000.00
20	16 Jun 2024	50,000.00	50,712.75	50,000.00	712.75	0.00
			1,149,677.50	1,000,000.00	149,677.50	

ALBERTA CAPITAL FINANCE AUTHORITY LOAN TYPES

6. Structured

- ACFA can potentially accommodate a borrower who is requesting for a unique repayment schedule.

Example:

Amount	\$1,000,000
Issue Date	16 Jun 2014
Maturity Date	16 Jun 2024
Borrowing Term	10 Years
Interest Rate	2.851%
Repayment Term	Semi-Annually
Repayment Type	Borrower requests interest only payments for the first 10 payments, then blended payments of principal and interest thereafter.

Payment Number	Date	Beginning Principal	Payment	Principal	Interest	Closing Balance
1	16 Dec 2014	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
2	16 Jun 2015	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
3	16 Dec 2015	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
4	16 Jun 2016	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
5	16 Dec 2016	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
6	16 Jun 2017	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
7	16 Dec 2017	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
8	16 Jun 2018	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
9	16 Dec 2018	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
10	16 Jun 2019	1,000,000.00	14,255.00	0.00	14,255.00	1,000,000.00
11	16 Dec 2019	1,000,000.00	108,006.65	93,751.65	14,255.00	906,248.35
12	16 Jun 2020	906,248.35	108,006.65	95,088.08	12,918.57	811,160.27
13	16 Dec 2020	811,160.27	108,006.65	96,443.56	11,563.09	714,716.71
14	16 Jun 2021	714,716.71	108,006.65	97,818.36	10,188.29	616,898.35
15	16 Dec 2021	616,898.35	108,006.65	99,212.76	8,793.89	517,685.59
16	16 Jun 2022	517,685.59	108,006.65	100,627.04	7,379.61	417,058.55
17	16 Dec 2022	417,058.55	108,006.65	102,061.48	5,945.17	314,997.07
18	16 Jun 2023	314,997.07	108,006.65	103,516.37	4,490.28	211,480.70
19	16 Dec 2023	211,480.70	108,006.65	104,991.99	3,014.66	106,488.71
20	16 Jun 2024	106,488.71	108,006.65	106,488.71	1,517.94	0.00
			1,222,616.50	1,000,000.00	222,616.50	