FORM 13-501F1 CLASS 1 AND CLASS 3B REPORTING ISSUERS - PARTICIPATION FEE

MANAGEMENT CERTIFICATION

1	, an officer of the reporting issuer noted below	whave evamined this Form 13-501F1 (th	e Form) hein	a submitted hereunder to	the Alberta
Securities Commission and certify that to	my knowledge, having exercised reasonable diligence, t				trie Alberta
(s)					
Name:	Date:				
Title:					
Reporting Issuer Name:					
End date of previous financial year:					
Type of Reporting Issuer:	Class 1 Reporting Issuer	Class 3B Reporting	Issuer		
Highest Trading Marketplace:					
Market value of listed or quoted equity s	ecurities:				
Equity Symbol					
1st Specified Trading Period		(DD/MM/YY)	to	(DD/MM/YY)	
Closing price of the security in the class or security was listed or quoted on the highe	series on the last trading day of the specified trading p st trading marketplace	period in which such	\$		(i)
Number of securities in the class or series specified trading period	of such security outstanding at the end of the last tradi	ing day of the			(ii)
Market value of class or series		(i) x (ii)	\$		(A)
2nd Specified Trading Period		(DD/MM/YY)	to	(DD/MM/YY)	
Closing price of the security in the class or security was listed or quoted on the highe	series on the last trading day of the specified trading p st trading marketplace	period in which such	\$		(iii)
Number of securities in the class or series specified trading period	of such security outstanding at the end of the last tradi	ing day of the			(iv)
Market value of class or series		(iii) x (iv)	\$		(B)
3rd Specified Trading Period		(DD/MM/YY)	to	(DD/MM/YY)	
Closing price of the security in the class or security was listed or quoted on the highe	series on the last trading day of the specified trading p st trading marketplace	period in which such	\$		(v)
Number of securities in the class or series specified trading period	of such security outstanding at the end of the last tradi	ing day of the			(vi)
Market value of class or series		(v) x (vi)	\$		(C)

4th Specified Trading Period		to			_
	(DD/MM/YY)			(DD/MM/YY)	
Closing price of the security in the class or series on the last trading day of the specified tradin security was listed or quoted on the highest trading marketplace	g period in which such		\$		_(vii)
Number of securities in the class or series of such security outstanding at the end of the last tr specified trading period	rading day of the				_(viii)
Market value of class or series	(vii) x (v	iii)	\$		_(D)
5th Specified Trading Period	(DD/MM/YY)	to)	(DD/MM/YY)	_
Closing price of the security in the class or series on the last trading day of the specified tradin security was listed or quoted on the highest trading marketplace	g period in which such		\$		_(ix)
Number of securities in the class or series of such security outstanding at the end of the last tr specified trading period	rading day of the				_(x)
Market value of class or series	(ix) x	(x)	\$		_(E)
Average Market Value of Class or Series (Calculate the simple average of the market value of the class or series of security for each applicable sp. (i.e. A through E above))	pecified trading period		\$		_(1)
(Repeat the above calculation for each other class or series of equity securities of the reporting issuer (and a subsidered as s	diary, if applicable) that was listed or quoted o	n a marl	etplace at the	end of the previous financial year)	
Fair value of outstanding debt securities			\$		_(2)
(Provide details of how value was determined)					
Capitalization for the previous financial year	(1) + (2)	\$		_
Participation Fee			\$		_
Late Fee, if applicable			\$		-
Total Fee Payable (Participation Fee plus Late Fee)			\$		_

RULES AND POLICIES

APPENDIX A

to ASC Rule 13-501 Fees
Participation Fees for Class 1 Reporting Issuers or Class 2 Reporting Issuers
(Paragraph 15(1)(a))

Capitalization for the Previous Fiscal Year	Participation Fee (effective December 1, 2016)
under \$10 million	\$400
\$10 million to under \$25 million	\$500
\$25 million to under \$50 million	\$1,200
\$50 million to under \$100 million	\$3,000
\$100 million to under \$250 million	\$6,500
\$250 million to under \$500 million	\$14,000
\$500 million to under \$1 billion	\$19,000
\$1 billion to under \$5 billion	\$28,000
\$5 billion to under \$10 billion	\$36,500
\$10 billion to under \$25 billion	\$42,500
\$25 billion and over	\$48,000

APPENDIX B

to ASC Rule 13-501 Fees
Participation Fees for Class 3B Reporting Issuers
(Paragraph 15(1)(c))

Capitalization for the Previous Fiscal Year	Participation Fee (effective December 1, 2016)
under \$10 million	\$400
\$10 million to under \$25 million	\$500
\$25 million to under \$50 million	\$600
\$50 million to under \$100 million	\$1,000
\$100 million to under \$250 million	\$2,000
\$250 million to under \$500 million	\$4,500
\$500 million to under \$1 billion	\$6,000
\$1 billion to under \$5 billion	\$9,000
\$5 billion to under \$10 billion	\$11,500
\$10 billion to under \$25 billion	\$13,500
\$25 billion and over	\$15,500