

MEG ENERGY CORP.

CONSOLIDATED GENERAL BY-LAW

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MEG ENERGY CORP.

CONSOLIDATED GENERAL BY-LAW

A by-law relating generally to the conduct of the business and affairs of MEG Energy Corp. (hereinafter called the "Corporation").

IT IS HEREBY ENACTED as a by-law of the Corporation as follows:

DEFINITIONS

1. In this by-law and all other by-laws of the Corporation, unless the context otherwise specifies or requires:

- (a) "Act" means the *Business Corporations Act* (Alberta) and the regulations made thereunder, as from time to time amended, and in the case of such amendment any reference in this by-law shall be read as referring to the amended provisions thereof;
- (b) "Applicable Securities Laws" means the applicable securities legislation of each relevant province and territory of Canada, as amended from time to time, the written rules, regulations and forms made or promulgated under any such statute and the published national instruments, multilateral instruments, policies, bulletins and notices of the securities commissions and similar regulatory authorities of each relevant province and territory of Canada;
- (c) "board" means the board of directors of the Corporation;
- (d) "by-laws" means the by-laws of the Corporation from time to time in force and effect;
- (e) "notice-and-access" has the meaning ascribed to that term under Applicable Securities Laws;
- (f) "public announcement" means disclosure in a news release reported by a national news service in Canada, or in a document publicly filed by the Corporation under its profile on the System for Electronic Document Analysis and Retrieval at www.sedar.com;
- (g) "STA" means the *Securities Transfer Act* (Alberta) and the regulations made thereunder, as from time to time amended, and in the case of such amendment any reference in this by-law shall be read as referring to the amended provisions thereof;
- (h) all terms contained in this by-law which are defined in the Act shall have the meanings given to such terms in the Act;
- (i) words importing the singular number only shall include the plural and vice versa; words importing the masculine gender shall include the feminine and neuter genders; and
- (j) the headings used in this by-law are inserted for reference purposes only and are not to be considered or taken into account in construing the terms or provisions thereof or to be

deemed in any way to clarify, modify or explain the effect of any such terms or provisions.

REGISTERED OFFICE

2. The Corporation shall at all times have a registered office within Alberta. Subject to subsection (4) of section 20 of the Act, the directors of the Corporation may at any time:

- (a) change the address of the registered office within Alberta;
- (b) designate, or revoke or change a designation of, a records office within Alberta; or
- (c) designate, or revoke or change a designation of, a post office box within Alberta as the address for service by mail of the Corporation.

SEAL

3. The corporate seal of the Corporation shall be such as the directors may by resolution from time to time adopt.

DIRECTORS

4. Number. The number of directors shall be the number fixed by the articles, or where the articles specify a variable number, the number shall be not less than the minimum and not more than the maximum number so specified and shall be determined from time to time within such limits by resolution of the shareholders or the board of directors. At least one-quarter of the directors, or such other number of directors (if any) as may be prescribed by the Act, shall be resident Canadians.

5. Vacancies. Subject to section 111 of the Act, a quorum of directors may fill a vacancy among the directors, except a vacancy resulting from an increase in the number or minimum number of directors or from a failure to elect the number or minimum number of directors required by the articles. If there is not a quorum of directors, or if there has been a failure to elect the number or minimum number of directors required by the articles, the directors then in office shall forthwith call a special meeting of shareholders to fill the vacancy and, if they fail to call a meeting or if there are no directors then in office, the meeting may be called by any shareholder. If the shareholders have adopted an amendment to the articles to increase the number or minimum number of directors, and have not, at the meeting at which they adopted the amendment, elected an additional number of directors authorized by the amendment, the directors then in office shall forthwith call a special meeting of shareholders to fill the vacancy.

A director appointed or elected to fill a vacancy holds office for the unexpired term of his or her predecessor.

6. Powers. Subject to any unanimous shareholder agreement, the directors shall manage the business and affairs of the Corporation and may exercise all such powers and do all such acts and things as may be exercised or done by the Corporation and are not expressly

directed or required to be done in some other manner by the Act, the articles, the by-laws, any special resolution of the Corporation, a unanimous shareholder agreement or by statute.

7. Duties. Every director and officer of the Corporation in exercising his or her powers and discharging his or her duties shall:

- (a) act honestly and in good faith with a view to the best interests of the Corporation; and
- (b) exercise the care, diligence and skill that a reasonably prudent person would exercise in comparable circumstances.

8. Qualification. The following persons are disqualified from being a director of the Corporation:

- (a) anyone who is less than 18 years of age;
- (b) anyone who
 - (i) is a represented adult as defined in the *Adult Guardianship and Trustee Act* (Alberta) or is the subject of a certificate of incapacity that is in effect under the *Public Trustee Act* (Alberta),
 - (ii) is a formal patient as defined in the *Mental Health Act* (Alberta),
 - (iii) is the subject of an order under *The Mentally Incapacitated Persons Act* (Alberta) appointing a committee of his or her person or estate or both, or
 - (iv) has been found to be a person of unsound mind by a court elsewhere than in Alberta;
- (c) a person who is not an individual; and
- (d) a person who has the status of bankrupt.

9. Term of Office. A director's term of office (subject to the provisions, if any, of the Corporation's articles or any unanimous shareholder agreement, and subject to the election of such director for an expressly stated term) shall be from the date of the meeting at which such director is elected or appointed until the close of the first annual meeting of shareholders following such director's election or appointment or until a successor to such director is elected or appointed.

10. Election. Subject to sections 106 and 107 of the Act, the shareholders of the Corporation shall, by ordinary resolution at the first meeting of shareholders and at each succeeding annual meeting at which an election of directors is required, elect directors to hold office for a term expiring not later than the close of the next annual meeting of shareholders following the election. A director not elected for an expressly stated term ceases to hold office at the close of the first annual meeting of shareholders following his or her election but, if qualified,

is eligible for re-election. Notwithstanding the foregoing, if directors are not elected at a meeting of shareholders, the incumbent directors continue in office until their successors are elected.

If a meeting of shareholders fails to elect the number or the minimum number of directors required by the articles by reason of the disqualification or death of any candidate, the directors elected at that meeting may exercise all the powers of the directors if the number of directors so elected constitutes a quorum.

11. Consent to Election. A person who is elected or appointed a director is not a director unless such person was present at the meeting when the person was elected or appointed and did not refuse to act as a director or, if the person was not present at the meeting when the person was elected or appointed, the person consented to act as a director in writing before the person's election or appointment or within 10 days after it or the person has acted as a director pursuant to the election or appointment.

12. Removal. Subject to sections 107 and 109 of the Act, the shareholders of the Corporation may by ordinary resolution at a special meeting remove any director from office before the expiration of his or her term of office and may, by a majority of votes cast at the meeting, elect any person in his or her stead for the remainder of the director's term.

13. Vacation of Office. A director of the Corporation ceases to hold office when:

- (a) the director dies or resigns;
- (b) the director is removed from office; or
- (c) the director becomes disqualified under section 105(1) of the Act.

A resignation of a director becomes effective at the time a written resignation is sent to the Corporation, or at the time specified in the resignation, whichever is later.

14. Validity of Acts. An act of a director or officer is valid notwithstanding an irregularity in the director's or officer's election or appointment or a defect in the director's or officer's qualification. An act of the directors or a committee of directors is valid notwithstanding non-compliance with paragraphs 4, 21 or 23 hereof.

MEETINGS OF DIRECTORS

15. Place of Meeting. Unless the articles otherwise provide, meetings of directors and of any committee of directors may be held at any place. A meeting of directors may be convened by the Chairman of the Board (if any), the President or any director at any time and the Secretary shall upon direction of any of the foregoing convene a meeting of directors.

16. Notice. Notice of the time and place for the holding of any meeting of directors or of any committee of directors shall be sent to each director or each director who is a member of such committee, as the case may be, not less than forty-eight (48) hours before the time of the meeting; provided that a meeting of directors or of any committee of directors may be held at any time without notice if all the directors or members of such committee are present (except

where a director attends the meeting for the express purpose of objecting to the transaction of any business on the grounds that the meeting is not lawfully called) or if all the absent directors waive notice of the meeting. The notice of a meeting of directors shall specify any matter referred to in subsection (3) of section 115 of the Act that is to be dealt with at the meeting, but need not specify the purpose or the business to be transacted at the meeting.

For the first meeting of directors to be held following the election of directors at an annual or special meeting of the shareholders or for a meeting of directors at which a director is appointed to fill a vacancy in the board, no notice of such meeting need be given to the newly elected or appointed director or directors in order for the meeting to be duly constituted, provided a quorum of the directors is present.

17. Waiver of Notice. Notice of any meeting of directors or of any committee of directors or the time for the giving of any such notice or any irregularity in any meeting or in the notice thereof may be waived by any director in writing or by facsimile or electronic means addressed to the Corporation or in any other manner, and any such waiver may be validly given either before or after the meeting to which such waiver relates. Attendance of a director at any meeting of directors or of any committee of directors is a waiver of notice of such meeting, except when a director attends a meeting for the express purpose of objecting to the transaction of any business on the grounds that the meeting is not lawfully called.

18. Omission of Notice. The accidental omission to give notice of any meeting of directors or of any committee of directors to or the non-receipt of any notice by any person shall not invalidate any resolution passed or any proceeding taken at such meeting.

19. Electronic, Telephone Participation Etc. A director may participate in a meeting of directors or of any committee of directors by electronic means, telephone or other communication facilities that permit all persons participating in the meeting to hear each other, and a director participating in a meeting by any such means is deemed for the purposes of the Act and this by-law to be present at that meeting.

20. Adjournment. Any meeting of directors or of any committee of directors may be adjourned from time to time by the chairman of the meeting, with the consent of the meeting, to a fixed time and place. Notice of an adjourned meeting of directors or committee of directors is not required to be given if the time and place of the adjourned meeting is announced at the original meeting. Any adjourned meeting shall be duly constituted if held in accordance with the terms of the adjournment and a quorum is present thereat. The directors who formed a quorum at the original meeting are not required to form the quorum at the adjourned meeting. If there is no quorum present at the adjourned meeting, the original meeting shall be deemed to have terminated forthwith after its adjournment. Any business may be brought before or dealt with at the adjourned meeting which might have been brought before or dealt with at the original meeting in accordance with the notice calling the same.

21. Quorum and Voting. Subject to the articles, a majority of the number of directors constitutes a quorum at any meeting of directors and, notwithstanding any vacancy among the directors, a quorum of directors may exercise all the powers of the directors. Subject to subsections (3) and (4) of section 114 of the Act, directors shall not transact business at a

meeting of directors unless a quorum is present and at least one-quarter of the directors present (or such other number of directors, if any, as may be prescribed by the Act from time to time) are resident Canadians. Questions arising at any meeting of directors shall be decided by a majority of votes.

22. Resolution in Lieu of Meeting. Subject to the articles or a unanimous shareholder agreement, a resolution in writing, signed by all the directors entitled to vote on that resolution at a meeting of directors or committee of directors, is as valid as if it had been passed at a meeting of directors or committee of directors. A resolution in writing dealing with all matters required by the Act or this by-law to be dealt with at a meeting of directors, and signed by all the directors entitled to vote at that meeting, satisfies all the requirements of the Act and this by-law relating to meetings of directors.

COMMITTEES OF DIRECTORS

23. General. The directors may from time to time appoint from their number a managing director, who must be a resident Canadian, or a committee of directors, at least one-quarter of whom (or such other number, if any, as may be prescribed by the Act from time to time) shall be resident Canadians, and may delegate to the managing director or such committee any of the powers of the directors, except that (unless the Act otherwise permits) no managing director or committee shall have the authority to:

- (a) submit to the shareholders any question or matter requiring the approval of the shareholders;
- (b) fill a vacancy among the directors or in the office of auditor;
- (c) appoint additional directors;
- (d) issue securities except in the manner and on the terms authorized by the directors;
- (e) declare dividends;
- (f) purchase, redeem or otherwise acquire shares issued by the Corporation, except in the manner and on the terms authorized by the directors;
- (g) pay a commission referred to in section 42 of the Act;
- (h) approve a management proxy circular;
- (i) approve any annual financial statements to be placed before the shareholders of the Corporation; or
- (j) adopt, amend or repeal the by-laws of the Corporation.

Notwithstanding the foregoing and subject to the articles or any unanimous shareholder agreement, the directors may, by resolution, delegate to a director, managing director or committee of directors the power to:

- (a) borrow money on the credit of the Corporation;
- (b) issue, reissue, sell or pledge debt obligations of the Corporation;
- (c) subject to section 45 of the Act, give a guarantee on behalf of the Corporation to secure performance of an obligation of any person; and
- (d) mortgage, hypothecate, pledge or otherwise create a security interest in all or any property of the Corporation, owned or subsequently acquired, to secure any obligation of the Corporation.

24. Audit Committee. Subject to subsection (3) of section 171 of the Act, the directors shall appoint from among their number an audit committee to be composed of not fewer than three directors, a majority of whom are not officers or employees of the Corporation or any of its affiliates. At any time when the Corporation is not a "distributing corporation" for purposes of the Act, the directors may (but shall not be required to) appoint from among their number an audit committee to be composed of such number of directors as may be determined by the board from time to time in accordance with the Act.

Each member of the audit committee shall serve during the pleasure of the board of directors and, in any event, only so long as such member shall be a director. The directors may fill vacancies in the audit committee by election from among their number.

The audit committee shall have power to fix its quorum at not less than a majority of its members and to determine its own rules of procedure subject to any regulations imposed by the board of directors from time to time and to the following paragraph.

The auditor of the Corporation is entitled to receive notice of every meeting of the audit committee and, at the expense of the Corporation, to attend and be heard thereat, and, if so requested by a member of the audit committee, shall attend every meeting of the committee held during the term of office of the auditor. The auditor of the Corporation or any member of the audit committee may call a meeting of the committee.

The audit committee shall review the financial statements of the Corporation prior to approval thereof by the board and shall have such other powers and duties as may from time to time by resolution be assigned to it by the board.

REMUNERATION OF DIRECTORS, OFFICERS AND EMPLOYEES

25. Subject to the articles or any unanimous shareholder agreement, the directors of the Corporation may fix the remuneration of the directors, officers and employees of the Corporation. Any remuneration paid to a director of the Corporation shall be in addition to the salary paid to such director in his or her capacity as an officer or employee of the Corporation. The directors may also by resolution award special remuneration to any director in undertaking any special services on the Corporation's behalf other than the routine work ordinarily required of a director of the Corporation. The confirmation of any such resolution by the shareholders

shall not be required. The directors, officers and employees shall also be entitled to be paid their travelling and other expenses properly incurred by them in connection with the affairs of the Corporation.

The aggregate remuneration paid to the directors and the aggregate remuneration paid to the five highest paid officers and employees, other than directors, shall be disclosed to the shareholders at every annual meeting.

SUBMISSION OF CONTRACTS OR TRANSACTIONS TO SHAREHOLDERS FOR APPROVAL

26. The directors in their discretion may submit any contract, act or transaction for approval, ratification or confirmation at any annual meeting of the shareholders or at any special meeting of the shareholders called for the purpose of considering the same and any contract, act or transaction that shall be approved, ratified or confirmed by resolution passed by a majority of the votes cast at any such meeting (unless any different or additional requirement is imposed by the Act or by the Corporation's articles or any other by-law) shall be as valid and as binding upon the Corporation and upon all the shareholders as though it had been approved, ratified and/or confirmed by every shareholder of the Corporation.

CONFLICT OF INTEREST

27. A director or officer of the Corporation who is a party to a material contract or material transaction or proposed material contract or proposed material transaction with the Corporation, or is a director or an officer of or has a material interest in any person who is a party to a material contract or material transaction or proposed material contract or proposed material transaction with the Corporation shall disclose the nature and extent of such director's or officer's interest at the time and in the manner provided in the Act. Except as provided in the Act, no such director of the Corporation shall vote on any resolution to approve such contract or transaction. If a material contract or material transaction is made or entered into between the Corporation and one or more of its directors or officers, or between the Corporation and another person of which a director or officer of the Corporation is a director or officer or in which such director or officer has a material interest, (i) the contract or transaction is neither void nor voidable by reason only of that relationship, or by reason only that a director with an interest in the contract or transaction is present at or is counted to determine the presence of a quorum at a meeting of directors or committee of directors that authorized the contract or transaction, and (ii) a director or officer or former director or officer of the Corporation to whom a profit accrues as a result of the making of the contract or transaction is not liable to account to the Corporation for that profit by reason only of holding office as a director or officer, if the director or officer disclosed the interest in accordance with the provisions of the Act and the contract or transaction was approved by the directors or the shareholders and it was reasonable and fair to the Corporation at the time it was approved. This paragraph is subject to any unanimous shareholder agreement.

Even if the conditions set out above in this paragraph 27 are not met, a director or officer acting honestly and in good faith is not accountable to the Corporation or to its shareholders for any profit realized from a material contract or material transaction for which disclosure is required under this paragraph 27 and the material contract or material transaction is not void or voidable by reason only of the interest of the director or officer in the material contract or material transaction, if (i) the material contract or material transaction was approved or confirmed by special resolution at a meeting of the shareholders of the Corporation; (ii) disclosure of the interest was made to the shareholders in a manner sufficient to indicate its nature before the material contract or material transaction was approved or confirmed; and (iii) the material contract or material transaction was reasonable and fair to the Corporation when it was approved or confirmed.

FOR THE PROTECTION OF DIRECTORS AND OFFICERS

28. No director or officer of the Corporation shall be liable to the Corporation for the acts, receipts, neglects or defaults of any other director or officer or employee or for joining in any receipt or act for conformity or for any loss, damage or expense happening to the Corporation through the insufficiency or deficiency of title to any property acquired by the Corporation or for or on behalf of the Corporation or for the insufficiency or deficiency of any security in or upon which any of the monies of or belonging to the Corporation shall be placed out or invested or for any loss or damage arising from the bankruptcy, insolvency or tortious act of any person, firm or corporation including any person, firm or corporation with whom or which any monies, securities or effects shall be lodged or deposited or for any loss, conversion, misapplication or misappropriation of or any damage resulting from any dealings with any monies, securities or other assets belonging to the Corporation or for any other loss, damage or misfortune whatever which may happen in the execution of the duties of such director's or officer's respective office of trust or in relation thereto, unless the same shall happen by or through the director's or officer's failure to exercise the powers and to discharge the duties of office honestly, in good faith with a view to the best interests of the Corporation, and in connection therewith to exercise the care, diligence and skill that a reasonably prudent person would exercise in comparable circumstances, provided that nothing herein contained shall relieve a director or officer from the duty to act in accordance with the Act or relieve such director or officer from liability under the Act. The directors of the Corporation shall not be under any duty or responsibility in respect of any contract, act or transaction whether or not made, done or entered into in the name or on behalf of the Corporation, except such as shall have been submitted to and authorized or approved by the directors. If any director or officer of the Corporation shall be employed by or shall perform services for the Corporation otherwise than as a director or officer or shall be a member of a firm or a shareholder, director or officer of a body corporate which is employed by or performs services for the Corporation, the fact that the director or officer is a shareholder, director or officer of the Corporation or body corporate or member of the firm shall not disentitle such director or officer or such firm or body corporate, as the case may be, from receiving proper remuneration for such services.

INDEMNITIES TO DIRECTORS AND OTHERS

29. (1) Subject to section 124 of the Act, except in respect of an action by or on behalf of the Corporation or body corporate to procure a judgment in its favour, the Corporation

shall indemnify a director or officer of the Corporation, a former director or officer of the Corporation or a person who acts or acted at the Corporation's request as a director or officer of a body corporate of which the Corporation is or was a shareholder or creditor, and the director's or officer's heirs and legal representatives, against all costs, charges and expenses, including an amount paid to settle an action or satisfy a judgment, reasonably incurred by such director or officer in respect of any civil, criminal or administrative action or proceeding to which the director or officer is made a party by reason of being or having been a director or officer of the Corporation or body corporate, if:

- (a) the director or officer acted honestly and in good faith with a view to the best interests of the Corporation; and
- (b) in the case of a criminal or administrative action or proceeding that is enforced by a monetary penalty, the director or officer had reasonable grounds for believing that the director's or officer's conduct was lawful.

(2) The Corporation shall, subject to the approval of a Court (as defined in the Act), indemnify a person referred to in subparagraph 29(1) hereof in respect of an action by or on behalf of the Corporation or a body corporate to procure a judgment in its favour, to which such person is made a party by reason of being or having been a director or an officer of the Corporation or body corporate, against all costs, charges and expenses reasonably incurred by the person in connection with such action if such person fulfills the conditions set out in subparagraph 29(1)(a) and (b) hereof.

(3) Notwithstanding anything in this paragraph 29, a person referred to in subparagraph 29(1) shall be entitled to indemnity from the Corporation in respect of all costs, charges and expenses reasonably incurred by such person in connection with the defence of any civil, criminal or administrative action or proceeding to which such person is made a party by reason of being or having been a director or officer of the Corporation or body corporate, if the person seeking indemnity:

- (a) was substantially successful on the merits of his or her defence of the action or proceeding; and
- (b) fulfills the conditions set out in subparagraph 29(1)(a) and (b) hereof.

OFFICERS

30. Appointment of Officers. Subject to the articles or any unanimous shareholder agreement, the directors annually or as often as may be required may appoint from among themselves a Chairman of the Board and shall appoint a President and a Secretary and if deemed advisable may appoint one or more Vice-Presidents, a Treasurer and one or more Assistant Secretaries and/or one or more Assistant Treasurers. None of such officers except the Chairman of the Board need be a director of the Corporation although a director may be appointed to any office of the Corporation. Two or more offices of the Corporation may be held by the same person. In case and whenever the same person holds the offices of Secretary and Treasurer such person may but need not be known as the Secretary-Treasurer. The directors may from time to time appoint such other officers, employees and agents as they shall deem necessary who shall

have such authority and shall perform such functions and duties as may from time to time be prescribed by resolution of the directors. The directors may from time to time and subject to the provisions of the Act, vary, add to or limit the duties and powers of any officer, employee or agent.

31. Removal of Officers and Vacation of Office. Subject to the articles or any unanimous shareholder agreement, all officers, employees and agents, in the absence of agreement to the contrary, shall be subject to removal by resolution of the directors at any time, with or without cause.

An officer of the Corporation ceases to hold office when such officer dies, resigns or is removed from office. A resignation of an officer becomes effective at the time a written resignation is sent to the Corporation, or at the time specified in the resignation, whichever is later.

32. Vacancies. If the office of President, Vice-President, Secretary, Assistant Secretary, Treasurer, Assistant Treasurer, or any other office created by the directors pursuant to paragraph 30 hereof shall be or become vacant by reason of death, resignation or in any other manner whatsoever, the directors shall, in the case of the President and Secretary, and may, in the case of any other officers, appoint an individual to fill such vacancy.

33. Chairman of the Board. The Chairman of the Board (if any) shall, if present, preside as chairman at all meetings of the board and of shareholders. The Chairman of the Board shall sign such contracts, documents or instruments in writing as require his or her signature and shall have such other powers and shall perform such other duties as may from time to time be assigned to him or her by resolution of the directors.

34. President. The President shall be the chief executive officer of the Corporation (except as may otherwise be specified by the board of directors) and shall, subject to the direction of the board of directors, exercise general supervision and control over the business and affairs of the Corporation. In the absence of the Chairman of the Board (if any), and if the President is also a director of the Corporation, the President shall, when present, preside as chairman at all meetings of directors and shareholders. The President shall sign such contracts, documents or instruments in writing as require his or her signature and shall have such other powers and shall perform such other duties as may from time to time be assigned to him or her by resolution of the directors or as are incident to his or her office.

35. Vice-President. The Vice-President or, if more than one, the Vice-Presidents in order of seniority, shall be vested with all the powers and shall perform all the duties of the President in the absence or inability or refusal to act of the President, provided, however, that a Vice-President who is not a director shall not preside as chairman at any meeting of directors or shareholders. The Vice-President or, if more than one, the Vice-Presidents shall sign such contracts, documents or instruments in writing as require his or her or their signatures and shall have such other powers and shall perform such other duties as may from time to time be assigned to him or her or them by resolution of the directors.

36. Secretary. The Secretary shall give or cause to be given notices for all meetings of directors, any committee of directors and shareholders when directed to do so and shall, subject to the provisions of the Act, maintain the records referred to in subsections (1), (3) and (5) of section 21 of the Act. The Secretary shall sign such contracts, documents or instruments in writing as require the signature of the Secretary and shall have such other powers and shall perform such other duties as may from time to time be assigned to the Secretary by resolution of the directors or as are incident to the office of the Secretary.

37. Treasurer. Subject to the provisions of any resolution of the directors, the Treasurer shall have the care and custody of all the funds and securities of the Corporation and shall deposit the same in the name of the Corporation in such bank or banks or with such other depositary or depositaries as the directors may by resolution direct. The Treasurer shall prepare and maintain adequate accounting records. The Treasurer shall sign such contracts, documents or instruments in writing as require the signature of the Treasurer and shall have such other powers and shall perform such other duties as may from time to time be assigned to such person by resolution of the directors or as are incident to the office of the Treasurer. The Treasurer may be required to give such bond for the faithful performance of his or her duties as the directors in their uncontrolled discretion may require and no director shall be liable for failure to require any such bond or for the insufficiency of any such bond or for any loss by reason of the failure of the Corporation to receive any indemnity thereby provided.

38. Assistant Secretary and Assistant Treasurer. The Assistant Secretary or, if more than one, the Assistant Secretaries in order of seniority, and the Assistant Treasurer or, if more than one, the Assistant Treasurers in order of seniority, shall be vested with all the powers and shall perform all the duties of the Secretary and Treasurer, respectively, in the absence or inability or refusal to act of the Secretary or Treasurer as the case may be. The Assistant Secretary or, if more than one, the Assistant Secretaries and the Assistant Treasurer or, if more than one, the Assistant Treasurers shall sign such contracts, documents or instruments in writing as require his or her or their signatures respectively and shall have such other powers and shall perform such other duties as may from time to time be assigned to him or her or them by resolution of the directors.

39. Managing Director. The directors may from time to time appoint from their number a Managing Director who must be a resident Canadian and may delegate to the Managing Director any of the powers of the directors subject to the limits on authority provided by subsection (3) of section 115 of the Act. The Managing Director shall conform to all lawful orders given to him or her by the directors and shall at all reasonable times give to the directors or any of them all information they may require regarding the affairs of the Corporation. Any agent or employee appointed by the Managing Director shall be subject to discharge by the directors.

40. Duties of Officers may be Delegated. In case of the absence or inability or refusal to act of any officer of the Corporation or for any other reason that the directors may deem sufficient, the directors may delegate all or any of the powers of such officer to any other officer or to any director for the time being.

SHAREHOLDERS' MEETINGS

41. Annual Meeting. Subject to sections 131 and 132 of the Act, the annual meeting of shareholders shall be held at the registered office of the Corporation or at a place elsewhere within Alberta determined by the directors on such day in each year and at such time as the directors may determine.
42. Special Meetings. The directors of the Corporation may at any time call a special meeting of shareholders to be held on such day and at such time and, subject to section 131 of the Act, at such place within Alberta as the directors may determine.
43. Meeting on Requisition of Shareholders. The holders of not less than five percent (5%) of the issued shares of the Corporation that carry the right to vote at a meeting sought to be held may requisition the directors to call a meeting of shareholders for the purposes stated in the requisition. The requisition shall state the business to be transacted at the meeting and shall be sent to each director and to the registered office of the Corporation. Subject to subsection (3) of section 142 of the Act, upon receipt of the requisition, the directors shall call a meeting of shareholders to transact the business stated in the requisition. If the directors do not within twenty-one days after receiving the requisition call a meeting, any shareholder who signed the requisition may call the meeting.
44. Participation in Meetings by Electronic Means. Subject to the Act, a shareholder or any other person entitled to attend a meeting of shareholders may participate in the meeting by electronic means, telephone or other communication facilities that permit all persons participating in the meeting to hear or otherwise communicate with each other and a person participating in such a meeting by any such means is deemed for the purposes of the Act and this by-law to be present at the meeting.
45. Meetings Held by Electronic Means. If the directors or the shareholders call a meeting of shareholders, the directors or the shareholders that called the meeting may determine that the meeting shall be held, in accordance with the Act, entirely by electronic means, telephone or other communication facility that permits all participants to communicate adequately with each other during the meeting.
46. Notice. A notice in writing of a meeting of shareholders stating the day, hour and place of meeting and if special business is to be transacted thereat, stating (i) the nature of that business in sufficient detail to permit the shareholder to form a reasoned judgment on that business and (ii) the text of any special resolution to be submitted to the meeting, shall be sent to each shareholder entitled to vote at the meeting, who on the record date for notice is registered on the records of the Corporation or its transfer agent as a shareholder, to each director of the Corporation and to the auditor of the Corporation not less than 21 days and not more than 50 days (exclusive of the day of mailing and of the day for which notice is given) before the date of the meeting; provided that a meeting of shareholders may be held for any purpose on any day and at any time and, subject to section 131 of the Act, at any place without notice if all the shareholders and all other persons entitled to attend such meeting are present in person or represented by proxy at the meeting (except where a shareholder or other person attends the meeting for the express purpose of objecting to the transaction of any business on the grounds

that the meeting is not lawfully called) or if all the shareholders and all other persons entitled to attend such meeting and not present in person nor represented by proxy thereat waive notice of the meeting.

Notwithstanding the foregoing, subject to the Act and Applicable Securities Laws, for so long as the Corporation is a distributing corporation any notice of a meeting of shareholders shall be sufficiently given if given in accordance with the requirements applicable to notice-and-access.

A director of the Corporation is entitled to receive notice of and to attend and be heard at every meeting of shareholders of the Corporation.

The auditor of the Corporation is entitled to receive notice of every meeting of shareholders of the Corporation and, at the expense of the Corporation, to attend and be heard at every meeting on matters relating to the duties of the auditor.

47. Waiver of Notice. Notice of any meeting of shareholders or the time for the giving of any such notice or any irregularity in any meeting or in the notice thereof may be waived by any shareholder, the duly appointed proxy of any shareholder, any director or the auditor of the Corporation in writing or by facsimile or other form of recorded electronic transmission addressed to the Corporation or in any other manner, and any such waiver may be validly given either before or after the meeting to which such waiver relates. Attendance of a shareholder or any other person entitled to attend a meeting of shareholders is a waiver of notice of such meeting, except when he or she attends a meeting for the express purpose of objecting to the transaction of any business on the grounds that the meeting is not lawfully called.

48. Omission of Notice. The accidental omission to give notice of any meeting of shareholders to or the non-receipt of any notice by any person shall not invalidate any resolution passed or any proceeding taken at any such meeting.

49. Record Dates. The directors may fix in advance a date as the record date for the determination of shareholders (i) entitled to receive payment of a dividend, (ii) entitled to participate in a liquidation distribution or (iii) for any other purpose except the right to receive notice of or to vote at a meeting of shareholders, but such record date shall not precede by more than 50 days the particular action to be taken.

The directors may also fix in advance a date as the record date for the determination of shareholders entitled to receive notice of a meeting of shareholders, but such record date shall not precede by more than 50 days or by less than 21 days the date on which the meeting is to be held.

If no record date is fixed,

- (a) the record date for the determination of shareholders entitled to receive notice of a meeting of shareholders shall be

- (i) at the close of business on the last business day preceding the day on which the notice is sent; or
 - (ii) if no notice is sent, the day on which the meeting is held; and
- (b) the record date for the determination of shareholders for any purpose other than to establish a shareholder's right to receive notice of a meeting or to vote shall be at the close of business on the day on which the directors pass the resolution relating to that purpose.

50. Chairman of the Meeting. In the absence of the Chairman of the Board (if any), the President and any Vice-President (who is a director), the shareholders present entitled to vote shall elect another director as chairman of the meeting and if no director is present or if all the directors present decline to take the chair then the shareholders present shall elect one of their number to be chairman.

51. Votes. Votes at meetings of shareholders may be cast either personally or by proxy. Subject to the Act and paragraph 52 hereof, every question submitted to any meeting of shareholders shall be decided on a show of hands except when a ballot is required by the chairman of the meeting or is demanded by a shareholder or proxyholder entitled to vote at the meeting or is otherwise required by the Act. A shareholder or proxyholder may demand a ballot either before or on the declaration of the result of any vote by show of hands. At every meeting at which shareholders are entitled to vote, every shareholder present in person and every proxyholder shall have one (1) vote on a show of hands. Upon a ballot at which shareholders are entitled to vote every shareholder present in person or by proxy shall (subject to the provisions, if any, of the articles) have one (1) vote for every share registered in the name of such shareholder. In the case of an equality of votes the chairman of the meeting shall not, either on a show of hands or on a ballot, have a second or casting vote in addition to the vote or votes to which he or she may be entitled as a shareholder or proxyholder.

At any meeting, unless a ballot is demanded by a shareholder or proxyholder entitled to vote at the meeting a declaration by the chairman of the meeting that a resolution has been carried unanimously or by a particular majority or lost or not carried by a particular majority shall be conclusive evidence of the fact without proof of the number or proportion of votes recorded in favour of or against the resolution.

If at any meeting a ballot is demanded on the election of a chairman or on the question of adjournment or termination, the ballot shall be taken forthwith without adjournment. If a ballot is demanded on any other question or as to the election of directors, the ballot shall be taken in such manner and either at once or later at the meeting or after adjournment as the chairman of the meeting directs. The result of a ballot shall be deemed to be the resolution of the meeting at which the ballot was demanded. A demand for a ballot may be withdrawn.

52. Electronic Voting. Any person participating in a meeting of shareholders by electronic means, telephone or other communication facilities under paragraph 44 hereof and entitled to vote at the meeting may vote, in accordance with the Act, by electronic means, telephone or other communication facility that the Corporation has made available for that

purpose. Notwithstanding paragraph 51 hereof, any vote referred to in paragraph 51 hereof may be held, in accordance with the Act, entirely by electronic means, telephone or other communication facility, if the Corporation makes available such a communication facility, in accordance with the Act.

53. Right to Vote. Subject to section 137 of the Act or unless the articles otherwise provide, each share of the Corporation entitles the holder of it to one vote at a meeting of shareholders.

Where a body corporate or association is a shareholder of the Corporation, any individual authorized by a resolution of the directors or governing body of the body corporate or association to represent it at meetings of shareholders of the Corporation is the person entitled to vote at all such meetings of shareholders in respect of the shares held by such body corporate or association.

Where a person holds shares as a personal representative, such person or his or her proxy is the person entitled to vote at all meetings of shareholders in respect of the shares so held by him or her.

Where a person mortgages, pledges or hypothecates his or her shares, such person or such person's proxy is the person entitled to vote at all meetings of shareholders in respect of such shares so long as such person remains the registered owner of such shares unless, in the instrument creating the mortgage, pledge or hypothec, the person has expressly empowered the person holding the mortgage, pledge or hypothec to vote in respect of such shares, in which case, subject to the articles, such holder or such holder's proxy is the person entitled to vote in respect of the shares.

Where two or more persons hold shares jointly, one of those holders present at a meeting of shareholders may in the absence of the others vote the shares, but if two or more of those persons who are present, in person or by proxy, vote, they shall vote as one on the shares jointly held by them.

54. Proxies. Every shareholder, including a shareholder that is a body corporate, entitled to vote at a meeting of shareholders may by means of a proxy appoint a proxyholder and one or more alternate proxyholders, who are not required to be shareholders, to attend and act at the meeting in the manner and to the extent authorized by the proxy and with the authority conferred by the proxy.

An instrument appointing a proxyholder shall be in written or printed form and shall be executed by the shareholder or by such shareholder's attorney authorized in writing and is valid only at the meeting in respect of which it is given or any adjournment of that meeting.

An instrument appointing a proxyholder may be in the following form or in any other form which complies with the requirements of the Act:

The undersigned shareholder of _____ hereby appoints
_____ of _____, whom
failing, _____ of _____ as the

nominee of the undersigned to attend and act for and on behalf of the undersigned at the meeting of the shareholders of the said Corporation to be held on the ___ day of _____, 20__ and at any adjournment thereof in the same manner, to the same extent and with the same power as if the undersigned were personally present at the said meeting or such adjournment thereof.

Dated the ___ day of _____, 20__.

Signature of Shareholder

The directors may specify in a notice calling a meeting of shareholders a time not exceeding forty-eight (48) hours, excluding Saturdays, Sundays and holidays, preceding the meeting or an adjournment of the meeting before which time proxies to be used at the meeting must be deposited with the Corporation or its agent.

The chairman shall conduct the proceedings at the meeting and the chairman's decision in any matter or thing, including without limitation, any question regarding the validity or invalidity of any instruments of proxy and any question as to the admission or rejection of a vote, shall be conclusive and binding upon the shareholders.

55. Adjournment. The chairman of the meeting may with the consent of the meeting adjourn any meeting of shareholders from time to time to a fixed time and place and if the meeting is adjourned by one or more adjournments for an aggregate of less than thirty (30) days it is not necessary to give notice of the adjourned meeting other than by announcement at the time of an adjournment. If a meeting of shareholders is adjourned by one or more adjournments for an aggregate of thirty (30) days or more, notice of the adjourned meeting shall be given as for an original meeting but, unless the meeting is adjourned by one or more adjournments for an aggregate of more than ninety (90) days, subsection (1) of section 149 of the Act does not apply.

Any adjourned meeting shall be duly constituted if held in accordance with the terms of the adjournment and a quorum is present thereat. The persons who formed a quorum at the original meeting are not required to form the quorum at the adjourned meeting. If there is no quorum present at the adjourned meeting, the original meeting shall be deemed to have terminated forthwith after its adjournment. Any business may be brought before or dealt with at the adjourned meeting which might have been brought before or dealt with at the original meeting in accordance with the notice calling the same.

56. Quorum. Two (2) persons present and each holding or representing by proxy at least one (1) issued share of the Corporation shall be a quorum at any meeting of shareholders for the election of a chairman of the meeting and for the adjournment of the meeting to a fixed time and place but not for the transaction of any other business; for all other purposes two (2) persons present and holding or representing by proxy twenty-five percent (25%) of the shares entitled to vote at the meeting shall be a quorum. If a quorum is present at the opening of a meeting of shareholders, the shareholders present may proceed with the business of the meeting, notwithstanding that a quorum is not present throughout the meeting.

Notwithstanding the foregoing, if the Corporation has only one shareholder, or one shareholder holding a majority of the shares entitled to vote at the meeting, that shareholder present in person or by proxy constitutes a meeting and a quorum for such meeting."

57. Resolution in Lieu of Meeting. A resolution in writing signed by all the shareholders entitled to vote on that resolution is as valid as if it had been passed at a meeting of the shareholders. A resolution in writing dealing with all matters required by the Act or this by-law to be dealt with at a meeting of shareholders, and signed by all the shareholders entitled to vote at that meeting, satisfies all the requirements of this Act or the by-law relating to meetings of shareholders.

ADVANCE NOTICE OF DIRECTOR NOMINATIONS

58. Nomination Procedures. Subject only to the Act, Applicable Securities Laws and the articles of the Corporation, only persons who are nominated in accordance with the following procedures shall be eligible for election as directors of the Corporation. Nominations of persons for election to the board of directors may be made at any annual meeting of shareholders, or at any special meeting of shareholders if the election of directors is a matter specified in the notice of meeting:

- (a) by or at the direction of the board of directors or an authorized officer of the Corporation, including pursuant to a notice of meeting;
- (b) by or at the direction or request of one or more shareholders pursuant to a proposal made in accordance with the provisions of the Act, or a requisition of a shareholders meeting by one or more of the shareholders made in accordance with the provisions of the Act; or
- (c) by any person (a "Nominating Shareholder") who:
 - (i) at the close of business on the date of the giving of the notice provided for in paragraph 60 and on the record date for notice of such meeting, is entered in the securities register of the Corporation as a holder of one or more shares carrying the right to vote at such meeting or who beneficially owns shares that are entitled to be voted at such meeting and provides evidence of such beneficial ownership to the Corporation, and
 - (ii) complies with the notice procedures in paragraphs 59 through 66 (inclusive) of this by-law.

59. Nominations for Election. For the avoidance of doubt, the procedures set forth in this by-law shall be the exclusive means for any person to bring nominations for election to the board of directors before any annual or special meeting of shareholders of the Corporation.

60. Timely Notice. In addition to any other applicable requirements, for a nomination to be made by a Nominating Shareholder, the Nominating Shareholder must have given timely notice thereof in proper written form to the Secretary in accordance with this by-law.

61. Manner of Timely Notice. To be timely, a Nominating Shareholder's notice must be given:

- (a) in the case of an annual meeting (including an annual and special meeting) of shareholders, not less than thirty (30) days prior to the date of the meeting; provided, however, that in the event that the meeting is to be held on a date that is less than fifty (50) days after the date (the "Notice Date") on which the first public announcement of the date of the meeting was made, notice by the Nominating Shareholder shall be made not later than the close of business on the tenth (10th) day following the Notice Date;
- (b) in the case of a special meeting (which is not also an annual meeting) of shareholders called for the purpose of electing directors (whether or not also called for other purposes), not later than the close of business on the fifteenth (15th) day following the day on which the first public announcement of the date of the meeting was made; and
- (c) in the case of an annual meeting (including an annual and special meeting) of shareholders or a special meeting of shareholders called for the purpose of electing directors (whether or not also called for other purposes) where notice-and-access is used for delivery of proxy related materials, not less than forty (40) days prior to the date of the meeting; provided, however, that in the event that the meeting is to be held on a date that is less than fifty (50) days after the Notice Date, notice by the Nominating Shareholder shall be made, in the case of an annual meeting of shareholders, not later than the close of business on the tenth (10th) day following the Notice Date and, in the case of a special meeting of shareholders, not later than the close of business on the fifteenth (15th) day following the Notice Date.

62. Proper Form of Notice. To be in proper written form, a Nominating Shareholder's notice must set forth or be accompanied by, as applicable:

- (a) as to each person whom the Nominating Shareholder proposes to nominate for election as a director (a "Proposed Nominee"):
 - (i) the name, age and business and residential address of the Proposed Nominee;
 - (ii) the principal occupation, business or employment of the Proposed Nominee, both present and within the five years preceding the notice;
 - (iii) whether the Proposed Nominee is a "resident Canadian" within the meaning of the Act;
 - (iv) a statement as to whether the Proposed Nominee would be "independent" of the Corporation (within the meaning of Applicable Securities Laws) if elected as a director at such meeting and the reasons and basis for such determination;
 - (v) the number of securities of each class of voting securities of the Corporation or any of its subsidiaries beneficially owned, or controlled or directed, directly or indirectly, by the Proposed Nominee, as of the record date for the meeting of

shareholders (if such date shall then have been made publicly available and shall have occurred) and as of the date of such notice;

- (vi) a description of any relationship, agreement, arrangement or understanding (financial, compensation or indemnity related or otherwise) between the Nominating Shareholder and the Proposed Nominee, or any Affiliates or Associates of, or any person or entity acting jointly or in concert with the Nominating Shareholder or the Proposed Nominee, in connection with the Proposed Nominee's nomination and election as a director;
 - (vii) whether the Proposed Nominee is party to any existing or proposed relationship, agreement, arrangement or understanding with any competitor of the Corporation or any other third party which may give rise to a real or perceived conflict of interest between the interests of the Corporation and the interests of the Proposed Nominee; and
 - (viii) any other information relating to the Proposed Nominee that would be required to be disclosed in a dissident's proxy circular or other filings required to be made in connection with solicitations of proxies for election of directors pursuant to the Act or any Applicable Securities Laws;
- (b) as to the Nominating Shareholder:
- (i) the name, business and residential address of such Nominating Shareholder;
 - (ii) the number of securities of each class of voting securities of the Corporation or any of its subsidiaries beneficially owned, or controlled or directed, directly or indirectly, by such Nominating Shareholder or any other person with whom such Nominating Shareholder is acting jointly or in concert with respect to the Corporation or any of its securities, as of the record date for the meeting (if such date shall then have been made publicly available and shall have occurred) and as of the date of such notice;
 - (iii) whether such Nominating Shareholder intends to deliver a proxy circular and/or form of proxy to any shareholder of the Corporation in connection with such nomination or otherwise solicit proxies or votes from shareholders of the Corporation in support of such nomination; and
 - (iv) any other information relating to such Nominating Shareholder that would be required to be disclosed in a dissident's proxy circular or other filings required to be made in connection with solicitations of proxies for election of directors pursuant to the Act or any Applicable Securities Laws; and
- (c) a written consent duly signed by each Proposed Nominee to being named as a nominee for election to the board of directors and to serve as a director of the Corporation, if elected.

References to "Nominating Shareholder" in this by-law shall be deemed to refer to each shareholder that nominates or seeks to nominate a person for election as director in the case of a nomination proposal where more than one shareholder is involved in making such nomination proposal.

63. Notice to be Updated. To be considered timely and in proper written form, a Nominating Shareholder's notice shall be promptly updated and supplemented in writing, if necessary, so that the information provided or required to be provided in such notice shall be true and correct as of the record date for the meeting.

64. Power of the Chairman. The chairman of the meeting shall have the power and duty to determine whether a nomination was made in accordance with the procedures set forth in the foregoing provisions and, if any proposed nomination is not in compliance with such foregoing provisions, to declare that such defective nomination shall be disregarded.

65. Delivery of Notice. Notwithstanding any other provision of this by-law, notice given to the Secretary pursuant paragraphs 58 through 66 (inclusive) of this by-law may only be given by personal delivery or electronic mail (at such e-mail address as stipulated from time to time by the Secretary for the purposes of this notice), and shall be deemed to have been given and made only at the time it is served by personal delivery to, or if sent by electronic mail when such transmission has been received by, the Secretary, at the address of the principal executive offices of the Corporation, or in the case of electronic mail to the e-mail address as aforesaid; provided that if such delivery or electronic communication is made on a day which is not a business day or later than 5:00 p.m. (Calgary time) on a day which is a business day, then such delivery or electronic communication shall be deemed to have been made on the subsequent day that is a business day.

66. Board of Directors Discretion. Notwithstanding the foregoing, the board of directors may, in its sole discretion, waive any requirement in paragraphs 58 through 66 (inclusive) of this by-law.

SHARES AND TRANSFERS

67. Issuance. Subject to the articles, any unanimous shareholder agreement and to section 30 of the Act, shares in the Corporation may be issued at the times and to the persons and for the consideration that the directors determine; provided that a share shall not be issued until the consideration for the share is fully paid in money or in property or past service that is not less in value than the fair equivalent of the money that the Corporation would have received if the share had been issued for money.

68. Security Certificates. A security holder is entitled at the security holder's option to a security certificate that complies with the Act or a non-transferable written acknowledgment of the security holder's right to obtain a security certificate from the Corporation in respect of the securities of the Corporation held by the security holder. Security certificates shall (subject to compliance with section 48 of the Act) be in such form as the directors may from time to time by resolution approve and such certificates shall be signed by at least one director or officer of the Corporation or by or on behalf of a registrar, transfer agent or branch transfer agent of the

Corporation, or by a trustee who certifies it in accordance with a trust indenture. Any signatures required on a security certificate may be printed or otherwise mechanically reproduced on it. If a security certificate contains a printed or mechanically reproduced signature of a person, the Corporation may issue the security certificate, notwithstanding that the person has ceased to be a director or an officer of the Corporation, and the security certificate is as valid as if he or she were a director or an officer at the date of its issue.

69. Agent. The directors may from time to time by resolution appoint or remove (i) one or more trust corporations registered under the *Loan and Trust Corporations Act* (Alberta) as its agent or agents to maintain a central securities register or registers or (ii) an agent or agents to maintain a branch securities register or registers for the Corporation.

70. Dealings with Registered Holder. Subject to the Act, the STA, the *Civil Enforcement Act* (Alberta) and this by-law, the Corporation may treat the registered owner of a security as the person exclusively entitled to vote, to receive notices, to receive any interest, dividend or other payments in respect of the security, and otherwise to exercise all the rights and powers of an owner of the security.

71. Registration of Transfers. Subject to the Act and the STA, no transfer of a security shall be registered in a securities register except (i) upon presentation of the certificate (or, where applicable, other evidence of electronic, book-based, direct registration service or other non-certificated entry or position on the register of securityholders) representing such security with an endorsement or completed stock power of attorney which complies with the STA made thereon or delivered therewith duly executed by an appropriate person as provided by the STA, together with such reasonable assurance that the endorsement is genuine and authorized as the board or the Corporation's transfer agent may from time to time prescribe, (ii) upon payment of all applicable taxes and any reasonable fees prescribed by the board, (iii) upon compliance with such restrictions on transfer as are imposed by statute or the articles of the Corporation, (iv) upon satisfaction of any lien referred to in paragraph 73 hereof, and (v) upon compliance with and satisfaction of such other requirements as the Corporation or its transfer agent may reasonably impose.

72. Defaced, Destroyed, Stolen or Lost Security Certificates. In case of the defacement, destruction, theft or loss of a security certificate, the fact of such defacement, destruction, theft or loss shall be reported by the owner to the Corporation or to an agent of the Corporation (if any), on behalf of the Corporation, with a statement verified by oath or statutory declaration as to the defacement, destruction, theft or loss and the circumstances concerning the same and with a request for the issuance of a new security certificate to replace the one so defaced (together with the surrender of the defaced security certificate), destroyed, stolen or lost. Upon the giving to the Corporation (or if there be an agent, hereinafter in this paragraph referred to as the "Corporation's agent", then to the Corporation and the Corporation's agent) of a bond of a surety company (or other security approved by the directors) in such form as is approved by the directors or by the Chairman of the Board (if any), the President, a Vice-President, the Secretary or the Treasurer of the Corporation, indemnifying the Corporation (and the Corporation's agent if any) against all loss, damage or expense, which the Corporation and/or the Corporation's agent may suffer or be liable for by reason of the issuance of a new security certificate to such owner, and subject to compliance by such owner and the Corporation with sections 92 and 93 of the

STA, a new security certificate shall be issued in replacement of the one defaced, destroyed, stolen or lost, and such issuance may be ordered and authorized by any one of the Chairman of the Board (if any), the President, a Vice-President, the Secretary or the Treasurer of the Corporation or by resolution of the directors.

73. Enforcement of Lien for Indebtedness. Subject to section 66 of the STA, if the articles of the Corporation provide that the Corporation has a lien on the shares registered in the name of a shareholder or such shareholder's legal representative for a debt of that shareholder to the Corporation, such lien may be enforced by the sale of the shares thereby affected or by any other action, suit, remedy or proceeding authorized or permitted by law or by equity and, pending such enforcement, the Corporation may refuse to register a transfer of the whole or any part of such shares. No such sale shall be made until such time as the debt ought to be paid and until a demand and notice in writing stating the amount due and demanding payment and giving notice of intention to sell in default shall have been served on the holder or such shareholder's legal representative of the shares subject to the lien and default shall have been made in payment of such debt for seven days after service of such notice. Upon any such sale, the proceeds shall be applied, firstly, in payment of all costs of such sale, and, secondly, in satisfaction of such debt and the residue (if any) shall be paid to such shareholder or such shareholder's legal representative or as such shareholder shall direct. Upon any such sale, the directors may enter or cause to be entered the purchaser's name in the securities register of the Corporation as holder of the shares, and the purchaser shall not be bound to see to the regularity or validity of, or be affected by, any irregularity or invalidity in the proceedings, or be bound to see to the application of the purchase money, and after the purchaser's name or the name of the purchaser's legal representative has been entered in the securities register, the regularity and validity of the sale shall not be impeached by any person.

74. Electronic, Book-Based or Other Non-Certificated Registered Positions. For greater certainty but subject to subsection (1) of section 48 of the Act, a registered securityholder may have his or her holdings of securities of the Corporation evidenced by an electronic, book-based, direct registration service or other non-certificated entry or position on the register of securityholders to be kept by the Corporation in place of a physical security certificate pursuant to a registration system that may be adopted by the Corporation, in conjunction with its transfer agent (if any). This by-law shall be read such that a registered holder of securities of the Corporation pursuant to any such electronic, book-based, direct registration service or other non-certificated entry or position shall be entitled to all of the same benefits, rights, entitlements and shall incur the same duties and obligations as a registered holder of securities evidenced by a physical security certificate. The Corporation and its transfer agent may adopt such policies and procedures and require such documents and evidence as they may determine necessary or desirable in order to facilitate the adoption and maintenance of a security registration system by electronic, book-based, direct registration system or other non-certificated means.

DIVIDENDS

75. The directors may from time to time by resolution declare and the Corporation may pay dividends on its issued shares, subject to the provisions (if any) of the Corporation's articles.

The directors shall not declare and the Corporation shall not pay a dividend if there are reasonable grounds for believing that:

- (a) the Corporation is, or would be after the payment be, unable to pay its liabilities as they become due; or
- (b) the realizable value of the Corporation's assets would thereby be less than the aggregate of its liabilities and stated capital of all classes.

The Corporation may pay a dividend by issuing fully paid shares of the Corporation and, subject to section 43 of the Act, the Corporation may pay a dividend in money or property.

76. In case several persons are registered as the joint holders of any securities of the Corporation, any one of such persons may give effectual receipts for all dividends and payments on account of dividends, principal, interest and/or redemption payments in respect of such securities.

VOTING SECURITIES IN OTHER BODIES CORPORATE

77. All securities of any other body corporate carrying voting rights held from time to time by the Corporation may be voted at all meetings of shareholders, bondholders, debenture holders or holders of such securities, as the case may be, of such other body corporate and in such manner and by such person or persons as the directors of the Corporation shall from time to time determine and authorize by resolution. The duly authorized signing officers of the Corporation may also from time to time execute and deliver for and on behalf of the Corporation proxies and arrange for the issuance of voting certificates or other evidence of the right to vote in such names as they may determine without the necessity of a resolution or other action by the directors.

NOTICES, ETC.

78. Service. Any notice or document required by the Act, the articles or the by-laws of the Corporation to be sent to any shareholder or director of the Corporation may be delivered personally to or sent by mail addressed to:

- (a) the shareholder at the shareholder's latest address as shown in the records of the Corporation or its transfer agent; and
- (b) the director at the director's latest address as shown in the records of the Corporation or in the last notice filed under section 106 or 113 of the Act.

Subject to subsection (2) of section 134 of the Act, a notice or document sent by mail as contemplated by this paragraph 78 to a shareholder or director of the Corporation shall be deemed to have been received by the shareholder or director (as the case may be) at the time it would be delivered in the ordinary course of mail, unless there are reasonable grounds for

believing that the shareholder or director (as the case may be) did not receive the notice or document at that time or at all.

A notice or document required to be sent or delivered as noted above in this paragraph 78 or pursuant to section 256 or section 257 of the Act may be sent by electronic means in accordance with the provisions of the *Electronic Transactions Act* (Alberta).

Notwithstanding the foregoing, subject to the Act, Applicable Securities Laws and for so long as the Corporation is a distributing corporation, any notice of a meeting of shareholders shall be sufficiently given if given in accordance with the requirements applicable to notice-and-access.

79. Failure to Locate Shareholder. If the Corporation sends a notice or document to a shareholder and the notice or document is returned on three consecutive occasions because the shareholder cannot be found, the Corporation is not required to send any further notices or documents to the shareholder until such shareholder informs the Corporation in writing of the shareholder's address.

80. Shares Registered in More than one Name. All notices or documents shall, with respect to any shares in the capital of the Corporation registered in more than one name, be sent to whichever of such persons is named first in the records of the Corporation and any notice or document so sent shall be deemed to have been duly sent to all the holders of such shares.

81. Persons Becoming Entitled by Operation of Law. Every person who by operation of law, transfer or by any other means whatsoever shall become entitled to any shares in the capital of the Corporation shall be bound by every notice or document in respect of such shares which prior to his or her name and address being entered on the records of the Corporation in respect of such shares shall have been duly sent to the person or persons from whom such person derives his or her title to such shares.

82. Deceased Shareholder. Any notice or document sent to any shareholder in accordance with paragraph 78 hereof shall, notwithstanding that such shareholder be then deceased and whether or not the Corporation has notice of the shareholder's decease, be deemed to have been duly sent in respect of the shares held by such shareholder (whether held solely or with other persons) until some other person be entered in such shareholder's stead in the records of the Corporation as the holder or one of the holders thereof and shall be deemed to have been duly sent to such shareholder's heirs, executors, administrators and legal representatives and all persons (if any) interested with such shareholder in such shares.

83. Signatures upon Notices. The signature of any director or officer of the Corporation upon any notice may be written, stamped, typewritten or printed or partly written, stamped, typewritten or printed.

84. Computation of Time. All computations of time required to be made pursuant to the articles or by-laws of the Corporation shall be made (i) in accordance with the provisions of the *Interpretation Act* (Alberta), to the extent such provisions are applicable, and (ii) in any other case, in accordance with the customary meaning ascribed to the words requiring such computation of time.

85. Proof of Service. A certificate of any officer of the Corporation in office at the time of the making of the certificate or of an agent of the Corporation as to facts in relation to the sending of any notice or document to any shareholder, director, officer or auditor or publication of any notice or document shall be conclusive evidence thereof and shall be binding on every shareholder, director, officer or auditor of the Corporation, as the case may be.

CUSTODY OF SECURITIES

86. All securities (including without limitation warrants) owned by the Corporation may be lodged (in the name of the Corporation) with a chartered bank or a trust company or in a safety deposit box or, if so authorized by resolution of the directors, with such other depositaries or in such other manner as may be determined from time to time by the directors.

All securities (including without limitation warrants) belonging to the Corporation may be issued and held in the name of a nominee or nominees of the Corporation (and if issued or held in the names of more than one nominee shall be held in the names of the nominees jointly with right of survivorship) and shall be endorsed in blank with endorsement guaranteed in order to enable transfer thereof to be completed and registration thereof to be effected.

EXECUTION OF CONTRACTS, ETC.

87. Contracts, documents or instruments in writing requiring the signature of the Corporation may be signed by the President alone or any person or persons authorized by resolution of the directors and all contracts, documents or instruments in writing so signed shall be binding upon the Corporation without any further authorization or formality. The directors are authorized from time to time by resolution to appoint any person or persons on behalf of the Corporation either to sign contracts, documents or instruments in writing generally or to sign specific contracts, documents or instruments in writing.

The corporate seal of the Corporation may, when required, be affixed by the President to contracts, documents or instruments in writing signed by the President as aforesaid or by the person or persons appointed as aforesaid by resolution of the directors.

The term "contracts, documents or instruments in writing" as used in this by-law shall include deeds, mortgages, hypothecs, charges, cheques, drafts, orders for the payment of money, notes, acceptances, bills of exchange, conveyances, transfers and assignments of property, real or personal, immovable or movable, agreements, releases, receipts and discharges for the payment of money or other obligations, conveyances, transfers and assignments of securities and all paper writings.

The signature or signatures of the President or any person or persons appointed as aforesaid by resolution of the directors may, if specifically authorized by resolution of the directors, be printed, engraved, lithographed or otherwise mechanically reproduced upon all contracts, documents or instruments in writing or bonds, debentures or other securities of the Corporation executed or issued by or on behalf of the Corporation and all contracts, documents or instruments in writing or securities of the Corporation on which the signature or signatures of any of the foregoing persons shall be so reproduced, by authorization by resolution of the directors, shall be deemed to have been manually signed by such persons whose signature or

signatures is or are so reproduced and shall be as valid to all intents and purposes as if they had been signed manually and notwithstanding that the persons whose signature or signatures is or are so reproduced may have ceased to hold office at the date of the delivery or issue of such contracts, documents or instruments in writing or securities of the Corporation.

FISCAL PERIOD

88. The fiscal period of the Corporation shall terminate on such day in each year as the board of directors may from time to time by resolution determine.

CONFIRMED as of April 24, 2019.

"Derek Evans"

President

"Grant Borbridge"

Secretary