

# ANNUAL INFORMATION FORM YEAR ENDED DECEMBER 31, 2011

March 23, 2012

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# **SCHEDULES**

- "A" REPORT OF MANAGEMENT AND DIRECTORS ON OIL AND GAS DISCLOSURE
- "B" REPORT ON RESERVES DATA BY INDEPENDENT QUALIFIED RESERVES EVALUATOR OR AUDITOR

## **GLOSSARY OF TERMS**

#### **Selected Defined Terms**

"5.00% Debentures" means 5.00% convertible unsecured subordinated debentures of the Corporation due January 30, 2015;

"**6.50% Debentures**" means 6.50% convertible unsecured subordinated debentures of the Corporation which matured on June 30, 2010;

"7.75% **Debentures**" means 7.75% convertible unsecured subordinated debentures of the Corporation which matured on December 1, 2011:

"8.00% Debentures" means 8.00% convertible unsecured subordinated debentures of the Corporation which matured on December 31, 2011;

"ABCA" means the *Business Corporations Act* (Alberta), together with any or all regulations promulgated thereunder, as amended from time to time;

"AOG" or "Advantage" or the "Corporation" means Advantage Oil & Gas Ltd., a corporation amalgamation under the ABCA. All references to "AOG" or "Advantage" or the "Corporation", unless the context otherwise requires, are references to Advantage Oil & Gas Ltd. and its predecessors;

"AOG Board of Directors" or "Board of Directors" means the board of directors of AOG;

"Common Shares" means the common shares of AOG;

"GAAP" means generally accepted accounting principles for publicly accountable enterprises in Canada which is currently in accordance with IFRS;

"IFRS" means International Financial Report Standards as issued by the International Accounting Standards Board;

"Longview" means Longview Oil Corp., a corporation incorporated under the ABCA;

"Longview Non-Controlling Interest" means the approximately 37% interest of third party minority public shareholders in the common shares of Longview;

"NYSE" means the New York Stock Exchange;

"Shareholders" means the holders from time to time of one or more Common Shares, as shown on the register of such holders maintained by the Corporation or by the transfer agent of the Common Shares, on behalf of the Corporation;

"**Trust**" means Advantage Energy Income Fund, a trust established under the laws of the Province of Alberta and dissolved effective July 9, 2009 pursuant to the Trust Conversion;

"Trust Conversion" means the plan of arrangement pursuant to Section 193 of the ABCA, which closed on July 9, 2009 and pursuant to which, among other things, the Trust was dissolved and the Corporation became the resulting entity;

"Trust Debentures" means, collectively, the 6.50% Debentures, the 7.75% Debentures and the 8.00% Debentures;

"Trust Indenture" means the trust indenture between Computershare Trust Company of Canada and AOG made effective as of April 17, 2001, supplemented as of May 22, 2002 and amended and restated as of June 25, 2002,

May 28, 2002, May 26, 2004, April 27, 2005, December 13, 2005, June 23, 2006 and December 31, 2007, as supplemented on July 9, 2009, pursuant to which the Trust was formed;

"Trust Unit" or "Unit" means a unit of the Trust, each unit representing an equal undivided beneficial interest therein;

"Trustee" means Computershare Trust Company of Canada as trustee under the Trust Indenture;

"TSX" means the Toronto Stock Exchange;

"Unitholders" means the holders from time to time of one or more Trust Units, as shown on the register of such holders maintained by the Trust or by the Trustee, as transfer agent of the Trust Units, on behalf of the Trust; and

"U.S." means the United States of America.

#### **Selected Defined Oil and Gas Terms**

"API" means the American Petroleum Institute;

"API gravity" means the American Petroleum Institute gravity expressed in degrees in relation to liquids, which is a measure of how heavy or light a petroleum liquid is compared to water. If a petroleum liquid's API gravity is greater than 10, it is lighter and floats on water; if less than 10, it is heavier than water and sinks. API gravity is thus a measure of the relative density of a petroleum liquid and the density of water, but it is used to compare the relative densities of petroleum liquids;

"COGE Handbook" means the Canadian Oil and Gas Evaluation Handbook prepared jointly by The Society of Petroleum Evaluation Engineers (Calgary Chapter) and the Canadian Institute of Mining, Metallurgy & Petroleum (Petroleum Society) as amended from time to time;

"Current Production" means average daily gross production for the three month period ended December 31, 2011;

"developed non-producing reserves" are those reserves that either have not been on production, or have previously been on production, but are shut-in, and the date of resumption of production is unknown;

"developed producing reserves" are those reserves that are expected to be recovered from completion intervals open at the time of the estimate. These reserves may be currently producing or, if shut-in, they must have previously been on production, and the date of resumption of production must be known with reasonable certainly;

"developed reserves" are those reserves that are expected to be recovered from existing wells and installed facilities or, if facilities have not been installed, that would involve a low expenditure (for example, when compared to the cost of drilling a well) to put the reserves on production. The developed category may be subdivided into producing and non-producing;

"development costs" means costs incurred to obtain access to reserves and to provide facilities for extracting, treating, gathering and storing the oil and gas from reserves. More specifically, development costs, including applicable operating costs of support equipment and facilities and other costs of development activities, are costs incurred to:

- (a) gain access to and prepare well locations for drilling, including surveying well locations for the purpose of determining specific development drilling sites, clearing ground, draining, road building, and relocating public roads, gas lines and power lines, pumping equipment and wellhead assembly;
- (b) drill and equip development wells, development type stratigraphic test wells and service wells, including the costs of platforms and of well equipment such as casing, tubing, pumping equipment and wellhead assembly;

- (c) acquire, construct and install production facilities such as flow lines, separators, treaters, heaters, manifolds, measuring devices and production storage tanks, natural gas cycling and processing plants, and central utility and waste disposal systems; and
- (d) provide improved recovery systems;

"exploration costs" means costs incurred in identifying areas that may warrant examination and in examining specific areas that are considered to have prospects that may contain oil and gas reserves, including costs of drilling exploratory wells and exploratory type stratigraphic test wells. Exploration costs may be incurred both before acquiring the related property and after acquiring the property. Exploration costs, which include applicable operating costs of support equipment and facilities and other costs of exploration activities, are:

- (a) costs of topographical, geochemical, geological and geophysical studies, rights of access to properties to conduct those studies, and salaries and other expenses of geologists, geophysical crews and others conducting those studies (collectively referred to as "geological and geophysical costs");
- (b) costs of carrying and retaining unproved properties, such as delay rentals, taxes (other than income and capital taxes) on properties, legal costs for title defence, and the maintenance of land and lease records;
- (c) dry hole contributions and bottom hole contributions;
- (d) costs of drilling and equipping exploratory wells; and
- (e) costs of drilling exploratory type stratigraphic test wells;

"forecast prices and costs" means future prices and costs that are:

- (a) generally accepted as being a reasonable outlook of the future; or
- (b) if, and only to the extent that, there are fixed or presently determinable future prices or costs to which the Corporation is legally bound by a contractual or other obligation to supply a physical product, including those for an extension period of a contract that is likely to be extended, those prices or costs rather than the prices and costs referred to in subparagraph (a);

#### "gross" means:

- (a) in relation to an entity's interest in production and reserves, its "company gross reserves", which are such entity's working interest (operating or non-operating) share before deduction of royalties and without including any royalty interest of such entity;
- (b) in relation to wells, the total number of wells in which an entity has an interest; and
- (c) in relation to properties, the total area of properties in which an entity has an interest;

#### "net" means:

- (a) in relation to an entity's interest in production and reserves, such entity's working interest (operating or nonoperating) share after deduction of royalty obligations, plus the entity's royalty interests in production or reserves;
- (b) in relation to an entity's interest in wells, the number of wells obtained by aggregating an entity's working interest in each of its gross wells; and
- in relation to an entity's interest in a property, the total area in which an entity has an interest multiplied by the working interest owned by it;

"NI 51-101" means National Instrument 51-101 - Standards of Disclosure for Oil and Gas Activities;

"Oil and Natural Gas Properties" or "Properties" means the working, royalty or other interests of AOG in any petroleum and natural gas rights, tangibles and miscellaneous interests, including properties which may be acquired by AOG from time to time;

"**probable reserves**" are those additional reserves that are less certain to be recovered than proved reserves. It is equally likely that the actual remaining quantities recovered will be greater or less than the sum of the estimated proved plus probable reserves;

"**proved reserves**" are those reserves that can be estimated with a high degree of certainty to be recoverable. It is likely that the actual remaining quantities recovered will exceed the estimated proved reserves;

"reserves" are estimated remaining quantities of oil and natural gas and related substances anticipated to be recoverable from known accumulations, as of a given date, based on: (i) analysis of drilling, geological, geophysical and engineering data; (ii) the use of established technology; and (iii) specified economic conditions, which are generally accepted as being reasonable. Reserves are classified according to the degree of certainty associated with the estimates;

"resource play" refers to drilling programs targeted at regionally distributed crude oil or natural gas accumulations; successful exploitation of these reservoirs is dependent upon technologies such as horizontal drilling and multi-stage fracture stimulation to access large rock volumes in order to produce economic quantities of oil or natural gas;

"Total Current Production" means aggregate average daily gross production from the Properties for the three month period ended December 31, 2011; and

"undeveloped reserves" are those reserves expected to be recovered from known accumulations where a significant expenditure (for example, when compared to the cost of drilling a well) is required to render them capable of production. They must fully meet the requirements of the reserves classification (proved, probable) to which they are assigned.

Words importing the singular number only include the plural, and *vice versa*, and words importing any gender include all genders. All dollar amounts set forth in this annual information form are in Canadian dollars, except where otherwise indicated.

# **ABBREVIATIONS**

Oil and Natura	al Gas Liquids	Natural Gas	
bbls Mbbls	barrels thousand barrels	Mcf MMcf	thousand cubic feet
MMbbls	million barrels	bcf	billion cubic feet
NGLs stb Mstb MMboe boe/d bbls/d	natural gas liquids stock tank barrels of oil thousand stock tank barrels of oil million barrels of oil equivalent barrels of oil equivalent per day barrels of oil per day	Mcf/d MMcf/d m³ MMbtu GJ	thousand cubic feet per day million cubic feet per day cubic metres million British Thermal Units Gigajoule
Other			
BOE or boe WTI °API psi	means barrel of oil equivalent, using the conve means West Texas Intermediate. means the measure of the density or gravity of means pounds per square inch.		

The term "boe" or barrels of oil equivalent may be misleading, particularly if used in isolation. A boe conversion ratio of six thousand cubic feet of natural gas to one barrel of oil equivalent (6 Mcf: 1 bbl) is based on an energy equivalency conversion method primarily applicable at the burner tip and does not represent a value equivalency at the wellhead. As the value ratio between natural gas and crude oil based on the current prices of natural gas and crude oil is significantly different from the energy equivalency of 6:1, utilizing a conversion on a 6:1 basis may be misleading as an indication of value.

Certain other terms used herein but not defined herein are defined in NI 51-101 and, unless the context otherwise requires, shall have the same meanings herein as in NI 51-101.

# **CONVERSION**

The following table sets forth certain conversions between Standard Imperial Units and the International System of Units (or metric units).

To Convert From	To	Multiply By
Mcf	cubic metres	28.174
cubic metres	cubic feet	35.494
bbls	cubic metres	0.159
cubic metres	bbls	6.293
feet	metres	0.305
metres	feet	3.281
miles	kilometres	1.609
kilometres	miles	0.621
acres	hectares	0.405
hectares	acres	2.471
gigajoules	MMbtu	0.950

## FORWARD-LOOKING STATEMENTS

Certain statements contained in this annual information form constitute forward-looking statements. These statements relate to future events or our future performance. All statements other than statements of historical fact may be forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "plan", "continue", "estimate", "expect", "may", "will", "project", "predict", "potential", "targeting", "intend", "could", "might", "should", "believe" and similar expressions. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements. We believe the expectations reflected in those forward-looking statements are reasonable but no assurance can be given that these expectations will prove to be correct and such forward-looking statements included in, or incorporated by reference into, this annual information form should not be unduly relied upon. These statements speak only as of the date of this annual information form.

In particular, this annual information form contains forward-looking statements pertaining to, but not limited to, the following:

- the performance characteristics of our assets;
- oil and natural gas production levels;
- the size of the oil and natural gas reserves;
- projections of market prices and costs;
- supply and demand for oil and natural gas;
- expectations regarding the ability to raise capital and to continually add to reserves through acquisitions and development;
- drilling plans;
- estimated timing of capital expenditures;
- future development plans for the Corporation's assets;
- focus of capital budget;
- timing of development of undeveloped reserves;
- future abandonment and reclamation costs:
- tax horizons;
- terms of Longview's material contracts discussed under "Material Contracts";
- treatment under governmental regulatory regimes and tax laws; and
- capital expenditures programs.

Statements relating to "reserves" or "resources" are deemed to be forward-looking statements, as they involve the implied assessment, based on certain estimates and assumptions, that the resources and reserves described can be profitably produced in the future. Readers are cautioned that the foregoing lists of factors are not exhaustive. The forward looking statements contained in this annual information form are expressly qualified by this cautionary statement.

The actual results could differ materially from those anticipated in these forward-looking statements as a result of the risk factors set forth below and elsewhere in this annual information form:

- volatility in market prices for oil and natural gas;
- liabilities inherent in oil and natural gas operations;
- uncertainties associated with estimating oil and natural gas reserves;
- competition for, among other things, capital, acquisitions of reserves, undeveloped lands and skilled personnel;
- incorrect assessments of the value of acquisitions;
- fluctuation in foreign exchange or interest rates;
- stock market volatility and market valuations;
- changes in income tax laws or changes in tax laws and incentive programs relating to the oil and gas industry;

- geological, technical, drilling and processing problems and other difficulties in producing petroleum reserves; and
- the other factors discussed under "Risk Factors".

Although the forward-looking statements contained in this annual information form are based upon assumptions which AOG believe to be reasonable, AOG cannot assure Shareholders that actual results will be consistent with these forward-looking statements. With respect to forward-looking statements contained in this annual information form, AOG has made assumptions regarding, but not limited to: current commodity prices and royalty regimes; availability of skilled labour; timing and amount of capital expenditures; future exchange rates; the price of oil and natural gas; the impact of increasing competition; conditions in general economic and financial markets; availability of drilling and related equipment; effects of regulation by governmental agencies; royalty rates; future operating costs; that the Corporation will have sufficient cash flow, debt or equity sources or other financial resources required to fund its capital and operating expenditures and requirements as needed; that the Corporation's conduct and results of operations will be consistent with its expectations; that the Corporation will have the ability to develop the Corporation's oil and gas properties in the manner currently contemplated; current or, where applicable, proposed assumed industry conditions, laws and regulations will continue in effect or as anticipated as described herein; and the estimates of the Corporation's reserves volumes and the assumptions related thereto (including commodity prices and development costs) are accurate in all material respects.

AOG has included the above summary of assumptions and risks related to forward-looking information provided in this annual information form in order to provide Shareholders with a more complete perspective on the Corporation's current and future operations and such information may not be appropriate for other purposes. The Corporation's actual results, performance or achievement could differ materially from those expressed in, or implied by, these forward-looking statements and, accordingly, no assurance can be given that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do so, what benefits AOG will derive therefrom.

Moreover, the current global economic conditions and uncertainty, including the current volatility in financial markets, is adding a substantial amount of risk to the North American and worldwide economy, and the continuation of such factors may adversely impact the Corporation's anticipated or expected results of operations and may cause the actual results to materially deviate from the forward-looking information contained in this annual information form.

These forward-looking statements are made as of the date of this annual information form and AOG disclaims any intent or obligation to update publicly any forward-looking statements, whether as a result of new information, future events or results or otherwise, other than as required by applicable securities laws.

# **NON-GAAP MEASURES**

The Corporation discloses several financial measures in this annual information form that do not have any standardized meaning prescribed under GAAP. These financial measures include funds from operations and cash netbacks. Management believes that these financial measures are useful supplemental information to analyze operating performance and provide an indication of the results generated by the Corporation's principal business activities prior to the consideration of how those activities are financed or how the results are taxed. Investors should be cautioned that these measures should not be construed as an alternative to net income, comprehensive income, and cash provided by operating activities or other measures of financial performance as determined in accordance with GAAP. Advantage's method of calculating these measures may differ from other companies, and accordingly, they may not be comparable to similar measures used by other companies.

Funds from operations, as presented, is based on cash provided by operating activities before expenditures on asset retirement and changes in non-cash working capital reduced for finance expense excluding accretion. Cash netbacks are dependent on the determination of funds from operations and include the primary cash sales and expenses on a per boe basis that comprise funds from operations.

## ADVANTAGE OIL & GAS LTD.

#### General

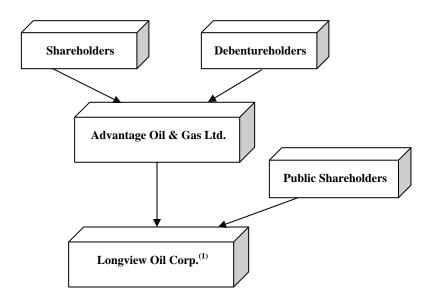
The Corporation was formed pursuant to the amalgamation of Advantage Oil & Gas Ltd., 1335703 Alberta Ltd., SET Resources Inc. and Sound ExchangeCo Ltd. under the ABCA on September 5, 2007. On July 9, 2009 the articles of the Corporation were amended in connection with the Trust Conversion to change the number of issued and outstanding Common Shares to equal the number of Trust Units outstanding immediately prior to the Trust Conversion. The Corporation is the resulting entity following the Trust Conversion with the Trust. The Trust was created under the laws of the Province of Alberta pursuant to the Trust Indenture and was dissolved in connection with the Trust Conversion.

Following the Trust Conversion, the Corporation became a reporting issuer in each of the provinces of Canada and the Common Shares were listed on the TSX and NYSE under the symbol "AAV".

The head office of AOG is located at Suite 700, 400 – 3<sup>rd</sup> Avenue S.W., Calgary, Alberta T2P 4H2 and its registered office is located at 2400, 525 – 8<sup>th</sup> Avenue S.W., Calgary, Alberta T2P 1G1.

#### **Corporate Structure**

The following diagram illustrates the organizational structure of the Corporation as at the date hereof which, other than Longview, does not include the Corporation's direct or indirect subsidiaries, as the total assets and sales and operating revenues of such other subsidiaries, on a combined basis, does not exceed 10% of the consolidated assets and the consolidated sales and operating revenues of the Corporation.



#### Note:

On April 14, 2011, Advantage's subsidiary, Longview Oil Corp., completed its initial public offering of common shares (the "Longview Offering") and purchased certain oil-weighted assets from Advantage for consideration comprised of cash and 29,450,000 common shares (the "Longview Transaction"). As a result of the Longview Offering and the Longview Transaction, Advantage currently holds approximately 63% of the common shares of Longview and the remaining 37% is held by public shareholders. See "General Development of the Business – 2011".

# GENERAL DEVELOPMENT OF THE BUSINESS

#### General

The Corporation and its subsidiaries are actively engaged in the business of oil and gas exploitation, development, acquisition and production in the Provinces of Alberta and Saskatchewan. AOG is a growth-oriented corporation and continues to carry on the business previously carried out by the Trust. See "Description of our Business and Operations" below.

A detailed description of the historical development of the business of the Trust and the Corporation and its subsidiaries is outlined below. Unless the context otherwise requires, references to "we", "us", "our" or similar terms, or to the "Trust" refer to the Corporation.

## **Three Year History**

#### 2009

On January 20, 2009, the Trust announced that the AOG Board of Directors adopted a Unitholder Rights Plan (the "**Rights Plan**") for which Unitholder approval was obtained at the Trust's annual meeting of Unitholders held on July 9, 2009. The Rights Plan was designed to provide Unitholders and the Board of Directors with adequate time to consider and evaluate any unsolicited bid made for the Trust, to provide the Board of Directors with adequate time to indentify, develop and negotiate value-enhancing alternatives, if considered appropriate, to any such unsolicited bid, to encourage the fair treatment of Unitholders in connection with any takeover bid for the Trust and to ensure that any proposed transaction is in the best interests of the Unitholders of the Trust.

On January 27, 2009, the Trust announced the following appointments to the executive officer team of AOG: (i) Mr. Andy Mah, the former President and Chief Operating Officer, was appointed to the position of Chief Executive Officer; (ii) Mr. Kelly Drader, the former Chief Executive Officer, was appointed as President and Chief Financial Officer; (iii) Mr. Craig Blackwood, the former Director of Finance, was appointed as Vice-President, Finance; and (iv) Mr. Peter Hanrahan, the former Vice-President of Finance and Chief Financial Officer, elected to resign from such positions.

On March 18, 2009, the Trust announced that the AOG Board had unanimously approved a conversion of the Trust to a growth-oriented corporation, the Corporation. The Trust Conversion was completed on July 9, 2009. Pursuant to the Trust Conversion, Unitholders received one Common Share in the Corporation for each Trust Unit they held and the Corporation assumed all the obligations of the Trust in respect of the Trust's outstanding Trust Debentures such that, upon maturity of the Trust Debentures or such other date as communicated by the Corporation, the Trust Debentures will be satisfied with cash or the Common Shares of the Corporation in lieu of Trust Units, at the option of the Corporation. Following the completion of the Trust Conversion, the senior management and Board of Directors of the Corporation was substantially the same as the Trust, with the exception of Messrs. Bourgeois and Tourigny who retired from the Board of Directors of the Corporation.

On March 18, 2009, the Trust further announced that as another step to increase the Trust's financial flexibility and to focus on development and growth at its Glacier property, the Trust would be discontinuing the payment of cash distributions with the final cash distribution paid to Unitholders on March 16, 2009 to Unitholders of record as of February 27, 2009.

On March 18, 2009, the Trust announced that it had retained Tristone Capital Inc. to assist with the disposition of up to 11,300 boe/d of light oil and liquids rich natural gas properties (the "**Disposition of Assets**"). The net proceeds from these sales were initially used to reduce outstanding bank debt to improve the Trust's financial flexibility.

On June 15, 2009, the Trust announced that it had signed two purchase and sale agreements relating to the disposition of \$252.6 million of assets. The disposition price for one package (the "**Package One Assets**") of the Sale Assets was \$176 million, subject to customary adjustments. The Package One Assets were producing as of June 15, 2009 approximately 5,900 boe/d and proved plus probable reserves of the Package One Assets were estimated

by Sproule to be 18.8 MMboe as of March 31, 2009. The closing of the sale of the Package One Assets occurred on July 24, 2009, with an April 1, 2009 effective date. The disposition price for the second package (the "**Package Two Assets**") of the Sale Assets was \$76.6 million, subject to customary adjustments. The Package Two Assets were producing as of June 15, 2009 approximately 2,200 boe/d and proved plus probable reserves of the Package Two Assets were estimated by Sproule to be 8.5 MMboe as of March 31, 2009. The closing of the sale of the Package Two Assets occurred on July 15, 2009, with an April 1, 2009 effective date.

On July 7, 2009, the Trust completed a bought deal financing through a syndicate of underwriters. Pursuant to the financing, the Trust issued 17,000,000 Trust Units at a price of \$6.00 per Trust Unit for gross proceeds of \$102 million. All of the net proceeds of the financing were initially used by the Trust to repay indebtedness under its credit facilities, which was available to be subsequently redrawn and applied as needed to fund AOG's capital expenditure program.

On July 8, 2009, the Trust announced its corporate capital budget for the 12 month period ending June 2010 had been set at \$207 million. The budget was to focus on development of our Montney natural gas resource play at the Glacier property where Advantage was to continue to employ a phased development approach. Phase I of the development plan was achieved during Q2 2009 where production capacity was increased to approximately 25 MMcf/d and included wells, compression facilities and additional pipelines. Phase II of the development plan was undertaken from July, 2009 to July, 2010 and was designed to increase production capacity to approximately 50 MMcf/d by mid-year 2010. Phase III of the development plan was intended to increase production capacity to 100 MMcf/d by mid-year 2011.

On July 9, 2009, the Corporation announced completion of the Trust Conversion and the Corporation's Common Shares and the 6.50% Debentures, the 7.75% Debentures and the 8.00% Debentures commenced trading on the TSX and the Corporation's Common Shares commenced trading on the NYSE on July 14, 2009.

On August 13, 2009, in connection with completion of the Trust Conversion and Disposition of Assets, the Corporation's credit facilities were amended to be a \$525 million facility comprised of a \$20 million revolving operating loan facility and a \$505 million extendible revolving credit facility (the "Credit Facilities"). Various borrowing options are available under the Credit Facilities, including prime rate based advances, U.S. base rate advances, U.S. dollar LIBOR advances and bankers' acceptances loans. The Credit Facilities are secured by a \$1 billion floating charge demand debenture, a general security agreement and a subordination agreement from the Corporation covering all assets and cash flows. The amounts available to the Corporation from time to time under the Credit Facilities are based upon the borrowing base determined by the lenders and which is redetermined on a semi-annual basis by those lenders with the next redetermination anticipated to take place in June 2010. The borrowing base constitutes a revolving facility for a 364 day term which is extendible annually for a further 364 day revolving period, subject to a one year term maturity as to lenders not agreeing to such annual extension.

On December 7, 2009, the Corporation provided an operational update regarding its Montney drilling program at the Glacier property and highlighted its proposed development program.

On December 31, 2009, the Corporation completed the offering of \$86,250,000 principal amount of 5.00% Debentures, which included \$11,250,000 principal amount of 5.00% Debentures issued on exercise in full of the over-allotment option granted to the underwriters. AOG used the net proceeds of the offering to repay outstanding bank indebtedness and for general corporate purposes.

## 2010

On January 19, 2010, the Board of Directors of AOG approved a capital budget and updated guidance for the six month period ended June 30, 2010. Capital expenditures during the period were estimated to be approximately \$110 million (80% directed to the Glacier property) and to be funded out of funds from operations.

On April 19, 2010, the Corporation announced that production from the Corporation's Glacier property exceeded 50 MMcf/d with the commissioning of Advantage's new 100% working interest gas plant at Glacier.

On May 10, 2010, the Corporation announced that it had signed purchase and sale agreements relating to the disposition of non-core natural gas weighted assets located in South Eastern Alberta for gross cash proceeds of \$67 million, subject to customary adjustments. The disposition was comprised of two separate transactions which included combined production of approximately 1,700 boe/d (80% natural gas) and proved plus probable reserves of 6.4 MMboe as at December 31, 2009. The transactions closed on May 31, 2010 and June 3, 2010 with effective dates of March 1, 2010 and April 1, 2010, respectively. The net proceeds from these dispositions were initially used to repay bank indebtedness under the Credit Facilities.

On June 14, 2010, the Board of Directors of AOG approved a capital budget and updated guidance for the twelve month period ending June 30, 2011. The capital budget was focused on increasing production at the Glacier property from 50 MMcf/d to a target of 100 MMcf/d by the second quarter of 2011. Capital expenditures during the period were estimated to be approximately \$219 million (80% directed to the Glacier property) and to be funded out of funds from operations.

On June 25, 2010, the Corporation announced that its lenders had completed their review of the borrowing base of the Credit Facilities, which would remain unchanged at \$525 million and continue to provide significant financial flexibility in support of future capital program requirements and general corporate purposes.

# 2011

Longview Offering and Longview Transaction

On April 14, 2011, Longview completed the Longview Offering and completed the acquisition of certain oil-weighted assets (the "**Acquired Assets**") of the Corporation located in West Central Alberta, Southeast Saskatchewan and the Lloydminster area of Saskatchewan. Pursuant to the Longview Offering, Longview issued 15,000,000 common shares at \$10.00 per common share for aggregate gross proceeds of \$150,000,000. The overallotment option granted by Longview to the underwriters pursuant to the Longview Offering to purchase up to an additional 2,250,000 common shares at a purchase price of \$10.00 per common share was exercised in full on April 28, 2011.

The purchase price for the Longview Transaction was approximately \$554.1 million, prior to closing adjustments pursuant to the terms of the purchase and sale agreement for the Acquired Assets. The purchase price for the Acquired Assets was comprised of the net proceeds of the Longview Offering (including the net proceeds from the exercise of the over-allotment option) in the amount of \$162.1 million, the issuance of 29,450,000 common shares to the Corporation and approximately \$83.4 million drawn from Longview's credit facilities. As a result of the Longview Offering and the Longview Transaction, Advantage retained an equity ownership interest of approximately 63% of the common shares of Longview. See "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves".

Concurrent with closing of the Longview Offering, AOG entered into a Technical Services Agreement (the "TSA") with Longview. Under the TSA, AOG provides the necessary personnel and technical services to manage Longview's business and Longview reimburses AOG on a monthly basis for its share of administrative charges based on respective levels of production. Longview has an independent board of directors and the officers of Longview are Kelly Drader (President and Chief Executive Officer), Craig Blackwood (Chief Financial Officer), Andy Mah (Chief Operating Officer), Patrick Cairns (Senior Vice President), Neil Bokenfohr (Vice President, Exploitation) and Weldon Kary (Vice President, Geosciences and Land). The officers of Longview provide services to Longview under the TSA but remain as employees of Advantage. See "Material Contracts".

In connection with the Longview Transaction, on April 14, 2011, Longview entered into a credit agreement with a syndicate of financial lenders for an extendible revolving credit facility in the maximum principal amount of \$180 million as well as an operating credit agreement with a Canadian financial institution in the maximum principal amount of \$20 million (collectively, the "Longview Credit Facilities"). See "Material Contracts".

As a result of the sale of the assets pursuant to the Longview Transaction, Advantage's borrowing base under its Credit Facilities was reduced to \$275 million.

# Other Developments

On July 4, 2011, the Board of Directors of AOG approved a capital and operating budget for the twelve month period ending June 30, 2012. The capital budget is focused on a Phase IV development program at Glacier with two key objectives to: (i) increase throughput capacity at the Glacier gas plant from 100 MMcf/d to 140 MMcf/d by Q2 2012 and drill a sufficient number of wells to fill the plant; and (ii) further evaluate the Middle and Lower Montney formations

On December 20, 2011 the board of directors of Longview approved operational guidance and a capital budget of approximately \$73 million for the year ending December 31, 2012. The capital budget will be primarily focused on oil or oil with liquids rich solution gas projects.

# **Recent Developments**

On March 22, 2012 Advantage announced that, due to the prevailing low natural gas pricing environment, production at Glacier will be maintained between 90 MMcf/d to 100 MMcf/d and interim guidance was issued for the six months ending June 30, 2012.

# **Anticipated Changes in the Business**

As at the date hereof, we do not anticipate that any material change in our business will occur during the balance of the 2012 financial year. See "General Development of the Business – Recent Developments".

# **Significant Acquisitions**

The Corporation did not complete any acquisitions during the year ended December 31, 2011 for which disclosure is required under Part 8 of National Instrument of 51-102 *Continuous Disclosure Obligations*.

As part of its ongoing business, the Corporation evaluates potential acquisitions of all types of petroleum and natural gas assets. The Corporation is normally in the process of evaluating several potential acquisitions at any one time which individually or together could be material. As of the date hereof, the Corporation has not reached agreement on the price or terms of any potential material acquisitions. The Corporation cannot predict whether any current or future opportunities will result in one or more acquisitions for the Corporation.

#### DESCRIPTION OF OUR BUSINESS AND OPERATIONS

#### General

AOG and its subsidiaries are actively engaged in the business of oil and gas exploitation, development, acquisition and production in the provinces of Alberta and Saskatchewan.

Advantage's exploitation and development program is focused primarily at Glacier, Alberta where it is developing a significant natural gas resource play. As current and future practice, AOG has established a financial hedging strategy and may manage the risk associated with changes in commodity prices by entering into derivatives. See "Risk Factors". Although Advantage has a significant capital development program, we also actively pursue growth opportunities through oil and gas asset acquisitions, as well as through corporate acquisitions. AOG targets acquisitions that are accretive to net asset value and that increase our reserve and production base per Common Share outstanding. Acquisitions must also meet reserve life index criteria and exhibit low risk opportunities to increase reserves and production. It is currently intended that AOG will finance acquisitions and investments through the Credit Facilities, the issuance of additional Common Shares from treasury and the issuance of subordinated convertible debentures, maintaining prudent leverage.

# Reorganizations

As at the date hereof, other than the Trust Conversion and the Longview Transaction, there have been no material reorganizations of the Trust or AOG and or any of our subsidiaries within the three most recently completed financial years or proposed for the current financial year. See "General Development of the Business".

# **Bankruptcy and Similar Procedures**

There have been no bankruptcy, receivership or similar proceedings against the Corporation or any of its subsidiaries or related entities, or any voluntary bankruptcy, receivership or similar proceeding by the Corporation or any of its subsidiaries or related entities since the inception of the Corporation or during or proposed for the current financial year.

## **Human Resources**

As at December 31, 2011, the Corporation employed 125 full-time employees, 99 of which are located in the head office and 26 of which are located in the field. We also retained 19 consultants in the head office.

#### STATEMENT OF RESERVES DATA AND OTHER OIL AND GAS INFORMATION

The report of management and directors on oil and gas disclosure in Form 51-101F3 and the report on consolidated reserves data by Sproule Associates Limited ("**Sproule**") in Form 51-101F2 are attached as Schedules "A" and "B" to this annual information form, respectively, which forms are incorporated herein by reference.

The consolidated statement of reserves data and other oil and gas information set forth below (the "**Statement**") is dated December 31, 2011. The effective date of the Statement is December 31, 2011 and the preparation date of the Statement is March 9, 2012.

# **Disclosure of Reserves Data**

The reserves data set forth below (the "Reserves Data") is based upon an evaluation by Sproule with an effective date of December 31, 2011 contained in a consolidated report of Sproule dated March 9, 2012 (the "Sproule Report"). The Sproule Report evaluated, as at December 31, 2011, the oil, NGLs and natural gas reserves of AOG and its consolidated subsidiaries, including Longview. The Reserves Data summarizes AOG's consolidated oil, NGLs and natural gas reserves and the net present values of future net revenue for these reserves using forecast prices and costs. In accordance with NI 51-101, the Sproule Report includes 100% of the reserves and future net revenue attributable to Longview's properties, without reduction to reflect the approximately 37% third-party minority interests in Longview. Accordingly, the Reserves Data for the Corporation's consolidated reserves set forth below, which has been derived from the Sproule Report, reflects 100% of Longview's reserves and future net revenue without reduction to reflect the Longview Non-Controlling Interest. Approximately 5.4% of the assigned total gross proved plus probable reserves and 12.2% of the total gross proved plus probable future net revenue discounted at 10% in the Sproule Report is attributable to the Longview Non-Controlling Interest. See "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves".

The Sproule Report has been prepared in accordance with the standards contained in the COGE Handbook and the reserve definitions contained in NI 51-101 and the COGE Handbook. Additional information not required by NI 51-101 has been presented to provide continuity and additional information which the Corporation believes is important to readers of this annual information form. Sproule was engaged to provide evaluations of proved and proved plus probable reserves and no attempt was made to evaluate possible reserves.

All of our consolidated reserves are in Canada and, specifically, in the provinces of Alberta and Saskatchewan.

There are numerous uncertainties inherent in estimating quantities of crude oil, natural gas and NGL reserves and the future cash flows attributed to such reserves. The reserve and associated cash flow information set forth in this

annual information form are estimates only. In general, estimates of economically recoverable oil and natural gas reserves and the future net cash flows therefrom are based upon a number of variable factors and assumptions, such as historical production from the properties, production rates, ultimate reserve recovery, timing and amount of capital expenditures, marketability of oil and natural gas, royalty rates, the assumed effects of regulation by governmental agencies and future operating costs, all of which may vary materially from actual results. For those reasons, estimates of the economically recoverable crude oil, NGL and natural gas reserves attributable to any particular group of properties, classification of such reserves based on risk of recovery and estimates of future net revenues associated with reserves prepared by different engineers, or by the same engineers at different times, may vary. The Corporation's actual production, revenues, taxes and development and operating expenditures with respect to its consolidated reserves will vary from estimates thereof and such variations could be material.

It should not be assumed that the estimates of future net revenues presented in the tables below represent the fair market value of the reserves. There is no assurance that the forecast prices and costs assumptions will be attained and variances could be material. The recovery and reserve estimates of our crude oil, NGLs and natural gas reserves provided herein are estimates only and there is no guarantee that the estimated reserves will be recovered. Actual crude oil, natural gas and natural gas liquid reserves may be greater than or less than the estimates provided herein.

The information relating to the Corporation's consolidated crude oil, NGL and natural gas reserves contains forward-looking statements relating to future net revenues, forecast capital expenditures, future development plans and costs related thereto, forecast operating costs, anticipated production and abandonment costs. See "Forward-Looking Statements", "Industry Conditions" and "Risk Factors – Reserves Estimates".

In certain of the tables set forth below, the columns may not add due to rounding.

#### SUMMARY OF OIL AND GAS RESERVES as at December 31, 2011 FORECAST PRICES AND COSTS

#### RESERVES

LIGHT AND M	IEDIUM OIL	HEAVY OIL		
Gross (Mbbl)	Net (Mbbl)	Gross (Mbbl)	Net (Mbbl)	
9,966.1	8,764.8	1,457.9	1,341.0	
417.7	359.1	157.2	138.4	
3,767.8	3,331.3	451.6	377.2	
14,151.70	12,455.20	2,066.6	1,856.6	
10,293.8	8,707.7	2,999.4	2,456.0	
24,445.6	21,162.9	5,066.0	4,312.5	
	9,966.1 417.7 3,767.8 14,151.70 10,293.8	(Mbbl)     (Mbbl)       9,966.1     8,764.8       417.7     359.1       3,767.8     3,331.3       14,151.70     12,455.20       10,293.8     8,707.7	Gross (Mbbl)         Net (Mbbl)         Gross (Mbbl)           9,966.1         8,764.8         1,457.9           417.7         359.1         157.2           3,767.8         3,331.3         451.6           14,151.70         12,455.20         2,066.6           10,293.8         8,707.7         2,999.4	

## RESERVES

	NATU	RAL GAS	NATURAL GAS LIQUIDS		
RESERVES CATEGORY <sup>(1)</sup>	Gross (MMcf)	Net (MMcf)	Gross (Mbbl)	Net (Mbbl)	
PROVED					
Developed Producing	264,178	243,263	3,604.30	2,717.00	
Developed Non-Producing	17,923	16,907	56.9	44.2	
Undeveloped	562,421	530,424	512.2	409.2	
TOTAL PROVED	844,523	790,595	4,173	3,170	
PROBABLE	473,197	441,454	2,133	1,586.1	
TOTAL PROVED PLUS PROBABLE	1,317,720	1,232,049	6,307	4,756	

# RESERVES

	TOTAL OIL EQUIVALENT					
RESERVES CATEGORY(1)	Gross (Mboe)	Net (Mboe)				
PROVED						
Developed Producing	59,058.0	53,366.6				
Developed Non-Producing	3,619.0	3,359.5				
Undeveloped	98,468.4	92,521.7				
TOTAL PROVED	161,145.5	149,248.0				
PROBABLE	94,293.3	86,325.5				
TOTAL PROVED PLUS PROBABLE	255,438.8	235,573.5				

#### Note:

(1) All reserves presented herein represent the Corporation's and the Corporation's consolidated subsidiaries interest. The Reserves Data reflects 100% of Longview's reserves and future net revenue without reduction to reflect the Longview Non-Controlling Interest. As at December 31, 2011, the Corporation held an approximately 63% interest in Longview. For further discussion see "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves".

# SUMMARY OF NET PRESENT VALUES OF FUTURE NET REVENUE as at December 31, 2011 FORECAST PRICES AND COSTS

Unit Value Before Income Tax Discounted at 10%/

Before Income Tax Discounted at (%/year)							After Income Taxes Discounted at (%/year)				year <sup>(1)</sup>
RESERVES CATEGORY <sup>(2)</sup>	0% (\$000's)	5% (\$000's)	10% (\$000's)	15% (\$000's)	20% (\$000's)	0% (\$000's)	5% (\$000's)	10% (\$000's)	15% (\$000's)	20% (\$000's)	(\$/boe)
PROVED Developed											
Producing Developed	1,279,093	985,496	806,117	685,863	599,896	1,279,093	985,496	806,117	685,863	599,896	15.11
Non-Producing	88,980	64,648	50,517	41,299	34,822	82,954	60,841	48,019	39,608	33,645	15.04
Undeveloped	1,717,981	892,738	488,488	265,125	131,962	1,355,424	701,501	375,675	193,119	83,173	5.28
TOTAL PROVED	3,086,055	1,942,882	1,345,123	992,289	766,679	2,717,471	1,747,839	1,229,812	918,590	716,714	9.01
PROBABLE	<u>2,964,965</u>	1,446,995	866,957	<u>581,677</u>	417,947	2,209,260	1,077,579	645,178	432,774	310,924	10.04
TOTAL PROVED PLUS PROBABLE	6,051,020	3,389,877	2.212.080	1.573.965	1.184.626	4,926,731	2,825,418	1,874,990	1,351,364	1,027,638	9.39
TRODABLE	0,001,020	5,507,011	2,212,000	1,5,705	1,101,020	1,720,731	<u>2,023,710</u>	1,07 T,770	1,551,507	1,027,030	7.37

#### Notes:

- (1) The unit values are based on net reserve volumes.
- (2) All reserves presented herein represent the Corporation's and the Corporation's consolidated subsidiaries interest. The Reserves Data reflects 100% of Longview's reserves and future net revenue without reduction to reflect the Longview Non-Controlling Interest. As at December 31, 2011, the Corporation held an approximately 63% interest in Longview. For further discussion see "Statement of Reserves Data and Other Oil & Gas Information Ownership of Longview Interests of Minority Shareholders in Longview Reserves".
- Values are calculated by considering existing tax pools for Advantage in the evaluation of Advantage's oil and gas properties, and take into account current federal tax regulations. Values do not represent an estimate of the value at the business entity level, which may be significantly different. For information at the business entity level, please see Advantage's Consolidated Financial Statements and Management's Discussion and Analysis for the year ended December 31, 2011.

# TOTAL FUTURE NET REVENUE (UNDISCOUNTED) as at December 31, 2011 FORECAST PRICES AND COSTS

RESERVES CATEGORY <sup>(1)</sup>	REVENUE (\$000's)	ROYALTIES (\$000's)	OPERATING COSTS (\$000's)	DEVELOP- MENT COSTS (\$000's)	ABANDONMENT AND RECLAMATION COSTS (\$000's)	FUTURE NET REVENUE BEFORE INCOME TAXES (\$000's)	FUTURE INCOME TAXES (\$000's)	REVENUE AFTER INCOME TAXES (\$000's)	
Proved Reserves	7,081,309	572,831	2,070,081	1,265,695	86,647	3,086,054	368,584	2,717,471	
Proved Plus Probable Reserves	12,237,504	1,057,595	3,346,645	1,655,724	126,520	6,051,020	1,124,289	4,926,731	

#### Note:

(1) All reserves presented herein represent the Corporation's and the Corporation's consolidated subsidiaries interest. The Reserves Data reflects 100% of Longview's reserves and future net revenue without reduction to reflect the Longview Non-Controlling Interest. As at December 31, 2011, the Corporation held an approximately 63% interest in Longview. For further discussion see "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves".

#### FUTURE NET REVENUE BY PRODUCTION GROUP as at December 31, 2011 FORECAST PRICES AND COSTS

DESCRIPTION ASSESSMENT

RESERVES CATEGORY <sup>(1)</sup>	PRODUCTION GROUP	FUTURE NET REVENUE BEFORE INCOME TAXES (discounted at 10%/year) (\$000's)	UNIT VALUE (\$/boe)
Proved Reserves	Light and Medium Crude Oil (including solution gas and other by-products) Heavy Oil (including solution gas and other by-products)	401,710 50,726	26.22 24.65
	Natural Gas (including by-products but excluding solution gas and by-products from oil wells)	873,519	6.76
	Non-Conventional Oil and Gas Activities (Coalbed Methane)	19,168	7.21
	TOTAL	1,345,123	9.01
Proved Plus	Light and Medium Crude Oil (including solution gas and other by-products)	635,945	24.86
Probable Reserves	Heavy Oil (including solution gas and other by-products)	106,048	23.02
	Natural Gas (including by-products but excluding solution gas and by- products from oil wells)	1,444,238	7.16
	Non-Conventional Oil and Gas Activities (Coalbed Methane)	25,848	7.20
	TOTAL	2,212,079	9.39

#### Note:

(1) All reserves presented herein represent the Corporation's and the Corporation's consolidated subsidiaries interest. The Reserves Data reflects 100% of Longview's reserves and future net revenue without reduction to reflect the Longview Non-Controlling Interest. As at December 31, 2011, the Corporation held an approximately 63% interest in Longview. For further discussion see "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves".

# **Pricing Assumptions**

The following tables set forth the benchmark reference prices, as at December 31, 2011, reflected in the Reserves Data. These price assumptions were provided to us by Sproule and were Sproule's then current forecasts at the date of the Sproule Report.

# SUMMARY OF PRICING AND INFLATION RATE ASSUMPTIONS<sup>(1)</sup> as at December 31, 2011 FORECAST PRICES AND COSTS

						NATURAL			
		Light Sweet Crude Oil			NATURAL GAS	GAS LIQUIDS	NATURAL GAS		
	WTI	at	Medium	Hardisty	AECO-C	Edmonton	LIQUIDS		
	Cushing	Edmonton 40° API	Crude Oil 29° API	Heavy 12°	Spot	Pentanes	Edmonton	INFLATION	EXCHANGE
Year	Oklahoma (\$US/bbl)	(\$Cdn/bbl)	(\$Cdn/bbl)	API (\$Cdn/bbl)	(\$Cdn/ MMBtu)	Plus (\$Cdn/bbl)	Butanes (\$Cdn/bbl)	RATES %/Year	RATE (2) (\$US/\$Cdn)
2011	95.00	95.16	87.86	69.10	3.72	104.12	70.93	1.5	1.012
Forecast(3)									
2012	98.07	96.87	90.09	74.59	3.16	103.57	72.20	2.0	1.012
2013	94.90	93.75	87.19	72.19	3.78	100.23	69.87	2.0	1.012
2014	92.00	90.89	84.52	69.98	4.13	97.17	67.74	2.0	1.012
2015	97.42	96.23	89.5	74.10	5.53	102.89	71.73	2.0	1.012
2016	99.37	98.16	91.29	75.58	5.65	104.94	73.16	2.0	1.012
2017	101.35	100.12	93.11	77.09	5.77	107.04	74.63	2.0	1.012
2018	103.38	102.12	94.98	78.64	5.89	109.18	76.12	2.0	1.012
2019	105.45	104.17	96.88	80.21	6.01	111.37	77.64	2.0	1.012
2020	107.56	106.25	98.81	81.81	6.14	113.59	79.19	2.0	1.012
2021	109.71	108.38	100.79	83.45	6.27	115.87	80.78	2.0	1.012
Thereafter	+1.5%	+1.5%	+1.5%	+1.5%	+1.5%	+1.5%	+1.5%		

#### Notes:

- (1) This summary table identifies benchmark reference pricing schedules that might apply to a reporting issuer.
- (2) The exchange rate used to generate the benchmark reference prices in this table.

# (3) As at December 31.

Weighted average historical prices, including hedging, realized by us for the year ended December 31, 2011, were \$4.17/Mcf for natural gas, \$85.38/bbl for crude oil, and \$65.64/bbl for NGLs.

# **Reconciliations of Changes in Reserves**

The following table sets forth a reconciliation of the Corporation's total gross proved, gross probable and total gross proved plus probable reserves as at December 31, 2011 against such reserves as at December 31, 2010 based on forecast prices and cost assumptions.

#### RECONCILIATION OF GROSS RESERVES<sup>(1)</sup> BY PRODUCT TYPE FORECAST PRICES AND COSTS

	Ligh	t And Mediur	n Oil		Heavy Oil			Natural Gas Liquids		
FACTORS	Proved (Mbbl)	Probable (Mbbl)	Proved Plus Probable (Mbbl)	Proved (Mbbl)	Probable (Mbbl)	Proved Plus Probable (Mbbl)	Proved (Mbbl)	Probable (Mbbl)	Proved Plus Probable (Mbbl)	
December 31, 2010	13,862.1	10,182.3	24,044.5	1,654.0	2,833.1	4,487.0	5,181.1	2,614.8	7,795.9	
Extensions Improved Recovery	357.0 1,654.2	321.4 1,606.8	678.4 3,261.0	276.3 123.8	120.6 137.8	396.9 261.6	20.1 93.8	7.9 73.6	28.0 167.4	
Infill Drilling Technical Revisions	(261.7)	(1,832.4)	(2,094.1)	266.3	(101.8)	164.5	(440.0)	(539.9)	(979.9)	
Discoveries Acquisitions	-	-	- -	-	-	-	1.2	0.4	1.6	
Dispositions Economic Factors	7.9	15.7	23.6	-2.2	9.8	7.6	(128.5)	(23.0)	(151.5)	
Production	(1,467.8)	Ξ	(1,467.8)	(251.6)	0.0	(251.6)	(554.3)	Ξ	(554.3)	
December 31, 2011	14,151.7	10,293.8	24,445.6	<u>2,066.6</u>	<u>2,999.4</u>	<u>5,066.0</u>	<u>4,173.4</u>	2,133.9	6,307.2	

	Associa	ted and Non-Asso	ciated Gas	Natural Gas - Solution				
FACTORS	Proved (MMcf)	Probable (MMcf)	Proved Plus Probable (MMcf)	Proved (MMcf)	Probable (MMcf)	Proved Plus Probable (MMcf)		
December 31, 2010	696,919	486,069	1,182,989	18,985	13,023	32,008		
Extensions	11,936	17,021	28,957	549	48	597		
Improved Recovery	15,819	4,928	20,747	1,614	1,809	3,423		
Infill Drilling	-	-	-	-	-	-		
Technical Revisions	147,799	-50,239	97,560	(1,684)	(4,925)	(6,609)		
Discoveries	-	-	-	-	-	-		
Acquisitions	19	8	27	-	-	-		
Dispositions	-	-	-	-	-	-		
Economic Factors	(19,583)	(890)	(20,473)	11	21	32		
Production	(42,720)	=	(42,720)	(2,720)	Ξ	(2,720)		
December 31, 2011	810,189	456,898	1,267,087	16,755	9,976	26,731		

		Coalbed Methano	e		Oil Equivalent			
			WI Proved			WI Proved		
FACTORS	WI Proved (MMcf)	WI Probable (MMcf)	Plus Probable (MMcf)	(MBoe)	WI Probable (MBoe)	Plus Probable (MBoe)		
December 31, 2010	20,136	8,836	28,972	143,370.5	100,284.9	243,655.6		
Extensions	266	87	353	2,778.6	3,309.2	6,087.8		
Improved Recovery	-	-	-	4,777.3	2,941.0	7,718.3		
Infill Drilling	-	-	-	-	-	-		
Technical Revisions	(426)	(2,500)	(2,926)	23,846.1	(12,084.8)	11,761.3		
Discoveries	-	-	-	-	-	-		
Acquisitions	-	-	-	4.4	1.7	6.1		
Dispositions	-	-	-	-	-	-		
Economic Factors	(360)	(99)	(459)	(3,444.8)	(158.8)	(3,603.6)		
Production	(2,038)	=	(2,038)	(10,186.7)	=	(10,186.7)		
December 31, 2011	<u>17,578</u>	<u>6,324</u>	23,902	161,145.4	94,293.4	255,438.8		

#### Note:

(1) All reserves presented herein represent the Corporation's and the Corporation's consolidated subsidiaries interest. The Reserves Data reflects 100% of Longview's reserves and future net revenue without reduction to reflect the Longview Non-Controlling Interest. As at December 31, 2011, the Corporation held an approximately 63% interest in Longview. For further discussion see "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves"

#### Ownership of Longview - Interests of Minority Shareholders in Longview Reserves

On April 14, 2011, Longview completed the Longview Offering and the Longview Transaction. The purchase price for the Longview Transaction was approximately \$554.1 million, prior to closing adjustments pursuant to the terms of the purchase and sale agreement for the Acquired Assets. The purchase price for the Acquired Assets was comprised of the net proceeds of the Longview Offering (including the net proceeds from the exercise of the overallotment option) in the amount of \$162.1 million, the issuance of 29,450,000 common shares to the Corporation and approximately \$83.4 million drawn from Longview's credit facilities. As a result of the Longview Offering and the Longview Transaction, as at December 31, 2011, the Corporation held an approximately 63% equity interest in Longview.

As at December 31, 2011, the Sproule Report estimated Longview's share of proved, probable and proved plus probable reserves, representing 100% of the working interest of Longview, which were consolidated in the Corporation's reserves. Third-party minority shareholders indirectly owned approximately 37% of these reserves at December 31, 2011. The tables below represent a summary of reserves indirectly owned by Longview's third-party minority shareholders and a summary of the net present value (before tax) of such reserves, all as at December 31, 2011. All reserves stated herein are based on forecast prices and costs.

# SUMMARY OF OIL AND GAS RESERVES as at December 31, 2011 FORECAST PRICES AND COSTS

RESERVES

	LIGHT AND N	MEDIUM OIL	HEAVY OIL		
RESERVES CATEGORY	Gross (Mbbl)	Net (Mbbl)	Gross (Mbbl)	Net (Mbbl)	
PROVED					
Developed Producing	3,178.8	2,804.0	537.1	489.5	
Developed Non-Producing	140.4	122.2	58.2	51.2	
Undeveloped	1,376.3	1,218.2	<u>167.1</u>	139.6	
TOTAL PROVED	4,695.5	4,144.5	762.3	680.2	
PROBABLE TOTAL PROVED PLUS PROBABLE	3,487.0 8,182.5	2,970.9 7,115.4	1,108.0 1,870.4	905.4 1,585.7	

RESERVES

	NATUR	AL GAS	NATURAL GAS LIQUIDS		
RESERVES CATEGORY	Gross (MMcf)	Net (MMcf)	Gross (Mbbl)	Net (Mbbl)	
PROVED					
Developed Producing	7,307	6,542	455.1	339.0	
Developed Non-Producing	246	216	18.4	14.4	
Undeveloped	2,341	2,142	79.8	62.5	
TOTAL PROVED	9,895	8,901	553.3	415.8	
PROBABLE	<u>7,746</u>	<u>6,915</u>	<u>358.5</u>	<u>266.9</u>	
TOTAL PROVED PLUS PROBABLE	17,640	15,815	911.8	682.8	

RESERVES

	KESEKVES			
	TOTAL OIL EQUIVALENT			
RESERVES CATEGORY	Gross (Mboe)	Net (Mboe)		
PROVED				
Developed Producing	5,388.9	4,722.9		
Developed Non-Producing	257.9	223.9		
Undeveloped	2,013.4	1,777.2		
TOTAL PROVED	7,660.2	6,724.0		
PROBABLE	<u>6,244.5</u>	5,295.7		
TOTAL PROVED PLUS PROBABLE	13,904.7	12,019.7		

# SUMMARY OF NET PRESENT VALUES OF FUTURE NET REVENUE as at December 31, 2011 FORECAST PRICES AND COSTS

Unit Value Before Income Tax

	Ве	efore Income	Tax Discoun	ted at (%/yea	r)	Af	ter Income T	axes Discoun	ted at (%/yea	ar)	Discounted at 10%/ year <sup>(1)</sup>
RESERVES CATEGORY	0% (\$000's)	5% (\$000's)	10% (\$000's)	15% (\$000's)	20% (\$000's)	0% (\$000's)	5% (\$000's)	10% (\$000's)	15% (\$000's)	20% (\$000's)	(\$/boe)
PROVED											
Developed Producing	200,422	149,772	122,021	104,182	91,636	200,422	149,772	122,021	104,182	91,632	25.84
Developed Non-Producing	9,015	6,930	5,637	4,751	4,104	6,785	5,521	4,713	4,125	3,668	25.18
Undeveloped TOTAL PROVED	63,675 273,112	45,231 201,932	33,072 160,730	24,643 133,576	18,565 114,305	46,645 253,853	32,485 187,778	23,174 149,908	16,741 125,048	12,115 107,419	18.61 23.90
PROBABLE	272,679	161,502	108,779	79,198	60,673	200,078	117,897	78,715	56,703	42,929	20.54
TOTAL PROVED PLUS PROBABLE	545,791	363,434	269,508	212,774	174,977	453,931	305,674	228,623	181,751	150,348	22.42

Note:

(1) The unit values are based on net reserve volumes.

## **Additional Information Relating to Reserves Data**

Unless otherwise indicated, the additional information contained in this section pertains to Advantage and Longview on a consolidated basis and references to Advantage include Longview (without reduction to reflect the Longview Non-Controlling Interest). See "Statement of Reserves Data and Other Oil & Gas Information - Ownership of Longview - Interests of Minority Shareholders in Longview Reserves".

# **Undeveloped Reserves**

Undeveloped reserves are attributed by Sproule in accordance with standards and procedures contained in the COGE Handbook. Proved undeveloped reserves are those reserves that can be estimated with a high degree of certainty and are expected to be recovered from known accumulations where a significant expenditure is required to render them capable of production. Probable undeveloped reserves are those reserves that are less certain to be recovered than proved reserves and are expected to be recovered from known accumulations where a significant expenditure is required to render them capable of production. Proved and probable undeveloped reserves have been assigned in accordance with engineering and geological practices as defined under NI 51-101. In general, undeveloped reserves are planned to be developed over the next two years.

In some cases, it will take longer than two years to develop these reserves. There are a number of factors that could result in delayed or cancelled development, including the following: (i) changing economic conditions (due to pricing, operating and capital expenditure fluctuations); (ii) changing technical conditions (including production anomalies, such as water breakthrough or accelerated depletion); (iii) multi-zone developments (for instance, a prospective formation completion may be delayed until the initial completion is no longer economic); (iv) a larger development program may need to be spread out over several years to optimize capital allocation and facility utilization; and (v) surface access issues (including those relating to land owners, weather conditions and regulatory approvals). For more information, see "Risk Factors" herein

The following tables set forth the proved undeveloped reserves and the probable undeveloped reserves, each by product type, first attributed to us in each of the following financial years.

# **Proved Undeveloped Reserves**

	0	Medium Oil bbl)		vy Oil bbl)	- 10000	al Gas Mcf)		GLs bbl)
Year	First Attributed	Cumulative at Year End						
Prior thereto	312	3,730	-	312	45,506	116,503	363	1,143
2009	44	2,615	-	185	166,681	297,598	7	606
2010	210	2,795	-	90	270,670	499,783	42	621
2011	1,391	3,768	311	452	88,461	562,421	5	512

Sproule has assigned 98.5 MMboe of gross proved undeveloped reserves in the Sproule Report under forecast prices and costs, together with \$1,256.5 million of associated undiscounted future capital expenditures. Proved undeveloped capital spending in the first two forecast years of the Sproule Report accounts for \$319.2 million, or 25.4%, of the total forecast. These figures increase to \$916.4 million or 72.9%, during the first five years of the Sproule Report.

## **Probable Undeveloped Reserves**

	0	Medium Oil bbl)		vy Oil bbl)		al Gas Mcf)		GLs bbl)
Year	First Attributed	Cumulative at Year End						
Prior thereto	243	7,382	-	2,452	88,131	171,081	582	1,577
2009	23	8,221	-	2,382	391,172	546,217	3	774
2010	656	5,069	-	2,121	91,205	409,478	27	742
2011	1,636	6,212	125	2,152	23,940	360,510	12	756

Sproule has assigned 69.2 MMboe of gross probable undeveloped reserves and has allocated future development capital of \$385.7 million to all gross probable undeveloped reserves with \$221.7 million scheduled for the first five years.

# Significant Factors or Uncertainties

The process of estimating reserves is complex. It requires significant judgments and decisions based on available geological, geophysical, engineering, and economic data. These estimates may change substantially as additional data from ongoing development activities and production performance becomes available and as economic conditions impacting oil and gas prices and costs change. The reserve estimates contained herein are based on Current Production forecasts, prices and economic conditions. The Corporation's reserves are evaluated by Sproule.

As circumstances change and additional data become available, reserve estimates also change. Estimates made are reviewed and revised, either upward or downward, as warranted by the new information. Revisions are often required due to changes in well performance, commodity prices, economic conditions and governmental restrictions.

Although every reasonable effort is made to ensure that reserve estimates are accurate, reserve estimation is an inferential science. As a result, the subjective decisions, new geological or production information and a changing environment may impact these estimates. Revisions to reserve estimates can arise from changes in year-end oil and gas prices, and reservoir performance. Such revisions can be either positive or negative.

In addition, high operating costs substantially reduce our netback, which in turn reduces the amount of cash available for reinvestment in drilling opportunities. This becomes most relevant during periods of low commodity prices when profits are more significantly impacted by high costs.

## **Future Development Costs**

The following table sets forth development costs deducted in the estimation of our future net revenue attributable to the reserve categories noted below.

	Forecast Prices and Costs				
Year	Proved Reserves (MM\$)	Proved Plus Probable Reserves (MM\$)			
2012	123.0	183.3			
2013	202.7	256.9			
2014	265.4	299.6			
2015	230.9	285.7			
2016	102.2	122.4			
Total: Undiscounted for all years	1,265.7	1,655.7			

To fund our capital program, including future development costs, we have many financing alternatives available including partial retention of cash flow from operations, bank debt financing, issuance of additional Common Shares, and issuance of convertible debentures. We evaluate the appropriate financing alternatives closely and have made use of all these options dependent on the given investment situation and the capital markets. We maintain a capital structure that is similar to our industry peer group and that are intended to maximize the investment return to Shareholders as compared to the cost of financing. We expect to continue using all financing alternatives available to continue pursuing our oil and gas development strategy. The assorted financing instruments have certain inherent costs which we consider in the economic evaluation of pursuing any development opportunity.

There can be no guarantee that funds will be available or that we will allocate funding to develop all of the reserves attributed in the Sproule Report. Failure to develop those reserves would have a negative impact on future production and cash flow and could result in negative revisions to our reserves.

#### Other Oil and Gas Information

AOG's properties are spread geographically throughout the Western Canadian Sedimentary Basin. This sedimentary basin covers a large portion of the four western Canadian provinces, with the majority of the Corporation's properties concentrated in Alberta and Saskatchewan. These properties produce from a variety of various aged geological formations and reservoirs. The Corporation operates over 85% of its properties, which allows the Corporation to control the nature and timing of the capital investments necessary to maximize the potential in developing these assets.

AOG's properties can be divided on the broad basis of commodity and of production type. Light or medium gravity oil accounts for 22% of Total Current Production and 10% of gross proved reserves, and natural gas accounts for 78% of Total Current Production and 86% of gross proved reserves.

The following property descriptions are as of March 23, 2012 unless otherwise noted and reserves quoted are as reported in the Sproule Report.

# **Property Descriptions**

## Advantage Oil and Gas Major Properties

Glacier, Alberta

The Glacier property lies along the Alberta side of the border with British Columbia between Grande Prairie, Alberta and Dawson Creek, British Columbia. The primary zones of interest are within the Triassic Montney and Doig formation siltstones. The Glacier property consists of 82.5 gross (77.75 net) sections of land with Montney interests.

In 2011, Advantage drilled and completed 24 gross (23.5 net) horizontal wells in the Montney and Lower Doig formations on the Glacier property. Subsequent to year end and prior to spring breakup Advantage will have drilled an additional 8 gross (8 net) horizontal Montney/Doig wells. Since the spud of the first horizontal well on July 26, 2008, Advantage has drilled 98 gross (89.9 net) horizontal wells at the Glacier property. One vertical well, drilled in 2010, into the underlying Belloy Formation was completed for use as an acid gas disposal well and one existing vertical well proximal to the 05-02 main compression facility was recompleted as a service well for water disposal purposes.

Although Advantage has utilised a number of completion techniques, to date, the majority of the wells have been completed using an abrasa-jet and sand plug completion technique in wellbores which are cased to total depth. On average 12 fracs per horizontal well have been placed in the wells to date with as many as 18 in the longer horizontal wells. The fracs are water and CO2 fracs carrying on average 75 tonnes of sand per frac. All of the wells drilled by Advantage have been completed with the exception of the last portion of the Phase IV wells which will be completed following spring breakup 2012. Test rates per well in the Doig (Upper Montney) have been improving from 3.7 MMcf/d for the 8 wells in the Phase I (2008-2009) program through 7.3 MMcf/d for the 25 wells in the Phase II (2009-2010) program to 8.0 MMcf/d for the 24 wells in the Phase III program and the initial 10 wells in Phase IV. These rates are average wellhead rates all normalized to 435 psi. Current Production of 100 MMcf/d or 16,667 boe/d represents over 50% of the Corporation's Total Current Production.

In the second quarter of 2011 Advantage completed the Phase III expansion of capacity at its 5-02 gas compression facility to 100 MMcf/d from 50 MMcf/d. With the completion of the acid gas disposal well and installation of acid gas compression at the 5-02 facility, Advantage has discontinued flaring of acid gas. All gas is sold through Advantage's 22 kilometer sales pipeline into the TransCanada pipeline system. Advantage is currently concluding Phase IV expansion which will increase available capacity to 135 MMcf/d. Operating costs have dropped from a high of \$5.80/mcf at the start of the project to just under \$0.30/mcf at year end 2011. 2011 exit rate sales production was 99.3 MMcf/d from the 5-02 facility.

The Sproule Report assigns 701 bcf of gross proved natural gas reserves and 401 bcf of gross probable natural gas reserves to this property.

Southern Alberta

#### Lookout Butte, Alberta

The Lookout Butte property is located approximately 90 kilometres southwest of Lethbridge, Alberta. Production occurs primarily from the Mississippian Rundle Formation where natural gas has been trapped in a foothills overthrust structure in front of Waterton Park. We have a 100% working interest in the Rundle gas production. Production began in 1963 and production decline is low at approximately 12% per year. A well drilled in 2004 in the southern portion of the pool when shut in exhibits significant pressure recharge from undrained reserves beneath adjacent Waterton and Glacier National parks. The property includes a 100% operated working interest plant and associated gas gathering system which dehydrates the gas before final processing at Shell's Waterton gas plant. Current Production from this field is 1.100 boe/d.

The Sproule Report assigns 24.3 bcf of gross proved natural gas reserves and 80.7 Mbbls of gross proved crude oil and NGL reserves to Lookout Butte. In addition, 13.0 bcf of gross probable natural gas reserves and 87.4 Mbbls of gross probable crude oil and NGL reserves have been assigned to this property.

#### Medicine Hat, Alberta

The Medicine Hat property lies 20 kilometres northeast of the City of Medicine Hat in the heart of the south-eastern shallow gas area. We have a 100% working interest in 24 sections of land from where Current Production of 5.1 MMcf/d is taken from all of the main shallow gas producing formations including the Medicine Hat "A", "C" and "D" sands, as well as both the Upper and Lower Milk River sands. These sands occur at approximately 500 metres of depth and typical of shallow gas, these sands are resource plays which require a large number of wells to extract the very large in place reserves at relatively low per well production rates. As a result, they have a long production

life (long reserve life index or "**RLI**"). These reservoirs consist of low permeability strata, requiring fracture stimulation to enhance and induce productivity. The wells are gathered by an extensive network of low pressure pipelines which feed into large central gas compression facilities. This property has been downspaced and comingled to allow for multiple gas wells per section from multiple producing horizons per well bore.

When the property was acquired in January 2002 there were 115 wells producing approximately 5.2 MMcf/d of natural gas. From January 2002 to December 2005, 320 new wells were added. There has been no drilling since; however, a regular program of well clean outs keeps these wells optimized.

The Sproule Report assigns 17.0 bcf of gross proved natural gas reserves to the Medicine Hat property. In addition, 14.0 bcf of gross probable natural gas reserves have been assigned to this property.

West Central Alberta

# Willesden Green (Open Lake), Alberta

The Willesden Green property is located approximately 35 kilometres north of the Town of Rocky Mountain House. There are two principle areas in this property, being the Jurassic Rock Creek gas play on the east side of the property and the Cretaceous Ostracode/Glauconite oil on the north side of the property. The Rock Creek is a mixed lithology reservoir in which liquids rich gas is trapped stratigraphically in individual lenses of sand. 3D seismic is used to explore for this porosity and a number of future targets have been identified. The Ostracode is developed in a linear sand bar and produces 39° API oil. This pool is being evaluated for potential water injection pressure maintenance. Additional drilling targeting both the Second White Specks and Glauconite is being evaluated.

The Sproule Report assigns 3.4 bcf of gross proved natural gas reserves and 505 Mbbls of gross proved crude oil and NGL reserves to the Willesden Green property. In addition, 1.6 bcf of gross probable natural gas reserves and 225 Mbbls of gross probable crude oil and NGL reserves have been assigned to this property.

#### Brazeau -Ferrier, Alberta

The Brazeau-Ferrier area is located between 50 and 80 kilometres west of the town of Drayton Valley. The property produces sour light oil and natural gas from Devonian aged Nisku pinnacle reefs. The majority of the production is from a non-operated 50% working interest in the Nisku C, D and E pools. Major facility interests include a 25.7% working interest in the West Pembina Sour Gas Plant. Additional gas production occurs from several non-operated Rock Creek, Basal Quartz and Notikewin pools.

In the southern part of this area Advantage has acquired 6.75 sections (100% net) for Cretaceous Belly River and Notikewin Formation natural gas. 3D seismic has been acquired and locations are being evaluated as vertical drill targets in the Belly River. The acreage is being reviewed for the potential to drill a horizontal multi-stage frac well in the Notikewin Formation.

The Sproule Report assigns 5.1 bcf of gross proved natural gas reserves and 445 Mbbls of gross proved crude oil and NGL reserves to the Brazeau River area. In addition, 1.9 bcf of gross probable natural gas reserves and 210 Mbbls of gross probable crude oil and NGL reserves have been assigned to this area.

Northeast and East Central Alberta

### Chigwell and Oberlin (Nevis), Alberta

Advantage has two coal bed methane ("**CBM**") fields in the Chigwell and Oberlin (Nevis) areas of Alberta which produce natural gas from Horseshoe Canyon Formation coal beds and adjacent associated sandstones. These fields lie approximately 60 kilometers northeast and east of the City of Red Deer Alberta respectively. The wells on these fields are completed on a commingled basis in multiple layers of individual coals which range in thickness from 1 to 3 meters along with associated and adjacent gas charged sandstones. The fields are for the most part developed on the basis of 4 vertical wells per section. These wells are shallow with completed intervals ranging between 150 and

550 meters in depth. The wells are connected with low pressure gathering system to central compression facilities which allows the fields to be drawn down to very low operating pressure of between 35 and 70 kpa. Advantage operates the Oberlin property with 31 gross and 24.5 net sections. The Chigwell property is a combination of operated and nonoperated with a wide range of working interests across 27.5 gross (11.25 net) sections. Current Production from these fields is 1,689 boe/d.

The Sproule Report assigns 20.1 bcf of gross proved natural gas reserves to these CBM properties. In addition, 7.7 bcf of gross probable natural gas reserves have been assigned to this area.

#### Northeastern Shallow Gas

Advantage has shallow gas properties located in the eastern side of Alberta, including the Wainwright property, which is located north of the town of Wainwright, and the Tweedie and Cache properties which are located west of the town of Bonnyville. These properties produce from multiple horizons generally all at depths of 750 meters or less. The principle producing intervals are Cretaceous Mannville Formation sands, Viking Formation sands and Second White Specks sands and silts. Current Production from these fields is 726 boe/d.

The Sproule Report assigns 10.5 bcf of gross proved natural gas reserves and 6.2 Mbbls of gross proved crude oil and NGL reserves to these fields. In addition, 2.8 bcf of gross probable natural gas reserves and 4.8 Mbbls of gross probable crude oil and NGL reserves have been assigned.

# Longview Oil and Gas Major Properties

#### West Central Alberta

This area consists of a number of individual properties and lands located in the West Central area of Alberta. Current Production from this area is approximately 4,320 boe/d and is comprised mainly of low decline, high netback light oil with average API gravity of 34°. Production is derived from numerous large oil pools where opportunities exist to increase production and reserves through low risk development drilling and the application of enhanced oil recovery techniques. Drilling opportunities also exist for step-out and exploration drilling on undeveloped lands.

#### Nevis, Alberta

Nevis is an operated property consisting of approximately 44 gross (34.6 net) sections of land which are situated 60 kilometres east of Red Deer, Alberta. Nevis is Longview's largest producing property with Current Production of approximately 2,219 boe/d. The property is divided into two main pools each trapped structurally and stratigraphically with an associated updip gas cap to each pool. Crude oil quality averages 39° API which also produces associated natural gas and NGLs. Two operated facilities are utilized for processing the oil and natural gas production which is gathered from the wells through pipelines to the respective central facilities. Clean oil is trucked from the facilities and water is disposed of back into the reservoir. Associated gas is transported through pipelines to third party compression and sales.

The main producing zone is the Devonian age Wabamun Formation, which occur at 1,600 metres of depth. This reservoir is a high porosity, low permeability carbonate which results in relatively low production inflow from vertical wells. As a result, horizontal drilling technology is used to access additional inflow from the low permeability rock with current development drilling downspacing to six wells per section. Production has increased and the ultimate recovery has been enhanced through increased well density as a result of receiving regulatory approval to downspace sections of this property. Horizontal well laterals are on average 1,200 metres in length. Wells are completed on an open hole basis and only require an acid wash as stimulation to clean the wellbore before being placed on production.

In the eastern pool, a pilot waterflood scheme has been started to evaluate the potential for enhanced recovery of these pools in order to access the large oil-in place which is not being drained through primary development.

Longview is also studying the implementation of CO<sub>2</sub> flood applications to enhance production recovery and reserves at Nevis.

The Sproule Report assigns 6.8 bcf of gross proved natural gas reserves and 3,085.9 Mbbls of gross proved crude oil and NGL reserves to this property. In addition, 2.4 bcf of gross probable natural gas reserves and 1,431.3 Mbbls of gross probable crude oil and NGL reserves have been assigned to this property.

## Westerose, Alberta

The Westerose property is located approximately 60 kilometres southwest of Edmonton, Alberta and consists mainly of the Westerose Banff "C" Unit, Chip Lake, interests in several Pembina Cardium oil units and other liquids rich natural gas production in areas surrounding the Westerose Banff "C" Unit. Current Production at Westerose area is approximately 634 boe/d.

# Westerose Banff "C" Unit

The Westerose Banff "C" Unit (52% unit interest) produces 24° API gravity crude oil which is trapped stratigraphically along the erosional subcrop edge of the Mississippian Banff Formation. The reservoir in the Banff Formation is a dolomitized carbonate which occurs at a depth of 1,800 metres. The Westerose Banff "C" Unit is currently developed on 40 acre spacing with four water injection wells and Current Production is approximately 170 boe/d. This reservoir is currently under an active waterflood pressure maintenance scheme which commenced in 2003 and production is responding positively to injection. Additional producing and injection wells are being evaluated and will be added as required to increase oil recovery.

# Chip Lake, Alberta

The Chip Lake property is located 125 kilometres west of Edmonton, Alberta. Longview holds a 100% working interest in seven sections of land with Current Production of approximately 212 boe/d from the Rock Creek Formation. The field consists of 12 producing vertical oil wells, four water injection wells and a central oil processing battery and water disposal facility. Associated natural gas is compressed and sold through third party facilities where nautral gas liquids (35 bbls/MMcf) are extracted and sold. Clean oil is trucked for sale.

The Rock Creek Formation is a conventional sandstone reservoir in which 40° API oil is trapped against an updip shale plug channel that truncates the reservoir which occurs at a depth of 1,850 metres. Pay thickness is in excess of eight metres along the axis of the reservoir and it is there and along the updip margin that infill drilling, potentially with a combination of vertical and horizontal wells, will be targeted after water injection has re-pressured this area of the pool. The water injection scheme is currently being optimized and regulatory and spacing work is proceeding to allow for additional wells or conversion of existing wells into water injectors.

# Cardium properties, West Central Alberta

The Cardium Formation properties lie in the west central Alberta basin primarily between Townships 38 and 48, Ranges 2 to 11W5. These properties consist of a variety of lands with working interests ranging between 8% and 100% with an average working interest of 32%. Most of the properties are non-operated with the exception of the Pembina Rose Creek Cardium Unit, which is an operated Cardium producing property consisting of 1,600 acres of 100% unit interest. In total, Longview has 34,155 gross (10,907 net) acres of Cardium rights in this area with Current Production of approximately 155 boe/d. This acreage is exclusive of a 1.5% working interest in the North Pembina Cardium Unit Number 1.

#### Pembina Rose Creek Cardium Unit

Longview has a 100% unit interest in and operates this 1,600 acre Cardium Formation unit which has Current Production of approximately 100 boe/d. The Cardium Formation in this unit consists of up to seven metres of net pay located within the southern boundary of the main Pembina field producing 36° API oil. The updip half of the property is overlain by one metre of highly permeable conglomerate. The unit has 15 active wells of which four are

injecting water as pressure maintenance into the property. This property represents an opportunity for the application of multi-stage frac horizontal drilling in the Cardium trend.

The Sproule Report assigned 2.3 bcf of gross proved natural gas reserves and 2,051.8 Mbbls of gross proved crude oil and NGL reserves to the Westerose property. In addition, 1.1 bcf of gross probable natural gas reserves and 1,778.4 Mbbls of gross probable crude oil and NGL reserves have been assigned to this property.

## Sunset, Alberta

This property consists of three pools all of which are producing from Triassic age Montney Formation reservoirs and lies approximately 100 kilometres east of the City of Grande Prairie. Current Production from the three main pools in the Sunset area is approximately 655 boe/d.

Sunset "A"

Current Production of 406 boe/d consists of 29° API crude oil from the Montney Formation occurring at 1,450 metres of depth. In this area, the Montney is a conventional tight fine grained sandstone reservoir in which crude oil has been trapped stratigraphically against cap rock overlying the updip subcrop unit of the reservoir. The reservoir has an underlying water leg which provides partial pressure support. Longview has a 70% working interest, and operates the Sunset Triassic "A" Unit. The field is currently developed with vertical wells drilled mainly on 40 acre spacing from central production pads. There is a 40 year production history with stable well performance and low decline. Infill drilling to 40 acre spacing in the pool commenced in 2005 and since that time 24 new oil wells and four additional injector wells have been added to the pool. In the center of the field, drilling has been successfully downspaced to 20 acre spacing units. A waterflood scheme was initiated in 2006 and expansion of the water injection system is ongoing. Once completed and re-pressurization of the reservoir has progressed sufficiently, further infill drilling will proceed to capture additional oil reserves.

Sunset "B"

Current Production from this Montney reservoir is approximately 219 boe/d of liquids rich natural gas. Longview has a 100% interest in this pool and owns 100% of a sour gas processing plant and gathering system with throughput capacity of 12 MMcf/d. Associated gas from Sunset "A" and from Valleyview is gathered and processed through this facility.

Valleyview

This Montney gas pool has Current Production of 127 boe/d and is connected to the Sunset "B" gas processing plant by a 12 kilometre pipeline with Longview holding a 93% average working interest in the pool.

The Sproule Report assigns 5.6 bcf of gross proved natural gas reserves and 1,012.1 Mbbls of gross proved crude oil and NGL reserves to Sunset/Valleyview. In addition, 10.5 bcf of gross probable natural gas reserves and 1,605.4 Mbbls of gross probable crude oil and NGL reserves have been assigned to these properties.

Duvernay and Nordegg Resource Play

The properties of Longview include a 100% interest in 78,750 gross (123 net sections) acres of exploratory rights in and along the Sunset corridor, which are prospective for development in the Upper Devonian Duvernay Formation shales as well as 15,719 net acres (61.4 net sections) for the Jurassic Nordegg Formation. A stratigraphic test well was drilled at the end of 2011 which cored both the Nordegg and Duvernay intervals. These cores are being analysed to further assess the potential of these lands for additional exploration. Longview believes that both the Duvernay and Nordegg lands are located within the oil generating window in this area and Longview will continue to review and analyze this target to determine future exploratory activity. Longview's ownership of oil and natural gas facilities in this area is available to provide immediate processing capacity should development proceed.

#### Skaro/Alexis, Alberta

#### Skaro, Alberta

The Skaro property is located 50 kilometres northeast of Edmonton, Alberta. This is an operated property in which Longview has a 100% working interest. Current Production at Skaro is approximately 136 boe/d. Oil is gathered and processed at 100% operated facilities where clean oil is then trucked out for sale. Production in this area is 17° API gravity oil which occurs at shallow depths of 900 metres. Oil is trapped in pools within a large Cretaceous age, Ellerslie Formation, channel/valley trend in which numerous multi-well oil pools have accumulated. The pools are separated by shale filled channels which provide the hydrocarbon trap and separation of pools. On the Skaro lands there are two pools, the Basal Quartz (Ellerslie) "C" Pool which is currently developed with five horizontal wells and the Basal Quartz (Ellerslie) "G" Pool which has one producing horizontal well that was tied-in by pipeline during 2010.

The Sproule Report assigns to the Skaro area 255.0 Mbbls of gross proved crude oil and NGL reserves to this property. In addition, 106.4 Mbbls of gross probable crude oil and NGL reserves have been assigned to this property.

#### Alexis, Alberta

The Alexis property is located 50 kilometres northwest of Edmonton, Alberta. Longview holds a 13.966% non-operated working interest in the Alexis Banff "A" pool unit which produces slightly sour 22° API crude oil and natural gas from a siliclastic carbonate member within the Mississippian Banff Formation. There are 37 wells within the unit which is developed at 1,400 metres of depth with both vertical and horizontal producing wells and injection wells. Current Production at Alexis is 120 boe/d.

The Sproule Report assigns 1.1 bcf of gross proved natural gas reserves and 362.5 Mbbls of gross proved crude oil and NGL reserves to the Alexis property. In addition, 0.7 bcf of gross probable natural gas reserves and 168.5 Mbbls of gross probable crude oil and NGL reserves have been assigned to this property.

### Saskatchewan

#### Southeast Saskatchewan

This area consists of a number of individual properties and lands located within the Williston Sedimentary Basin in the southeast quadrant of Saskatchewan. Existing production at the major properties comes principally from the Ordovician Red River Formation, Devonian Winnipegosis Formation as well as from the Mississippian Midale, Frobisher and Bakken Formations. Current Production from this area is approximately 1,927 boe/d and is comprised mainly of low decline, high netback, light oil with an average API gravity of 30°.

Weyburn and Steelman Area – Midale Formation Development

The Midale Formation is a Mississippian carbonate reservoir and contains one of Canada's largest light oil pools with API gravities ranging from  $32^{\circ}$  to  $40^{\circ}$ . The Midale Formation is comprised of two distinct fractured low permeability reservoirs which are the tight, high-porosity Marly zone that overlies the low-porosity Vuggy zone. The latter zone has higher permeability, and is more extensively fractured vertically than the Marly zone.

Longview has 68,017 gross undeveloped (55,628 net) acres of lands that are prospective for drilling in the Midale Formation and represents the largest opportunity base in the Southeast Saskatchewan area. Longview holds direct ownership of the mineral title in approximately 63% of the net acres.

The assets in this area also include 69,770 gross (55,933 net) acres of land that are prospective in the Bakken and Three Forks Sanish Formations. Longview holds direct ownership of the mineral title in approximately 64% of the net acres. There has been significant industry activity surrounding these lands targeting light oil resource plays.

Drilling potential will be evaluated in these formations as information from surrounding industry activity comes into the public domain.

# Wapella Property

The Wapella property is located 200 kilometres east of Regina, Saskatchewan with Current Production of approximately 724 boe/d of 25° API gravity oil with an average working interest of 90%. Production is derived from the Cretaceous and Jurassic-age Shaunavon and Gravelbourg sandstone reservoirs located at a depth of 800 metres. Additional infill drilling and stepouts have been identified in and around the existing production from reservoirs.

Longview also has 18,793 gross (18,253 net) acres of undeveloped lands that are prospective in the Bakken Formation. Longview holds direct ownership of the mineral title in approximately 82% of the net acres. Significant exploration potential exists on the undeveloped land base and recent activity for Bakken target, to the east of Wapella, suggest that favourable geological potential in this horizon could extend westward onto lands to be acquired by Longview.

The Sproule Report assigns 2,568.1 Mbbls of gross proved crude oil and NGL reserves in Wapella. In addition, 1557.0 Mbbls of gross probable crude oil and NGL reserves have been assigned to this area.

# Lloydminster, Saskatchewan Area

These properties lie east of the Saskatchewan/Alberta border within the Lloydminster heavy oil producing area. Current Production from these properties of approximately 528 boe/d is derived primarily from the Cretaceous Sparky and Waseca Formations and also from the Rex, Cummings and Dina Formations. Crude oil gravities in these properties average 20° API and are all being produced conventionally at this time.

#### Eyehill, Saskatchewan

The Eyehill property (100% working interest) consists of 24 oil wells with Current Production of approximately 293 boe/d producing from a 20° API Sparky Formation sand reservoir in which oil is trapped updip and laterally against shale filled channels. The Sparky oil pool is under waterflood pressure maintenance from six injection wells and is showing positive production response to this injection.

## Lashburn, Saskatchewan

At Lashburn, in which Longview holds a 60% working interest, two thick Waseca channels are present as identified in vertical wells and on 3D seismic with Current Production of approximately 235 boe/d of 21° API oil. Similar Waseca channels are being developed immediately south of the property by a major oil company with SAGD (steam assisted gravity drainage) technology which could be utilized at the Lashburn property. As an alternative, this property may be developed through a combination of vertical and horizontal drilling to increase production and enhance reserves.

The Sproule Report assigns 1,442.9 Mbbls of gross proved crude oil and NGL reserves to the properties in the Lloydminster area. In addition, 2,719.7 Mbbls of gross probable crude oil and NGL reserves have been assigned to this area.

# Oil and Gas Wells

The following table sets forth the number and status of wells as at December 31, 2011 in which we have a working interest.

		Oil Wells				Natural Gas Wells			
	Produc	cing	Non-Producing		Producing		Non-Producing		
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	
Alberta	612	298	176	83	1,545	895	267	158	
Saskatchewan	268	216	186	160	74	5	9	4	
Total <sup>(1)(2)</sup>	880	514	362	243	1,619	900	276	162	

Note:

(1) Includes wells of Longview (without reduction to reflect the Longview Non-Controlling Interest).

# Properties with no Attributed Reserves

The following table sets out our unproved properties as at December 31, 2011.

	Gross Acres	Net Acres
Alberta	374,193	184,044
Saskatchewan	119,178	83,547
Total <sup>(1)</sup>	493,371	267,591

Note:

(1) Includes developed and undeveloped land holdings of Longview (without reduction to reflect the Longview Non-Controlling Interest).

In the year ended December 31, 2011, rights to explore, develop and exploit 8,469 net acres of undeveloped land expired. We expect that rights to explore, develop and exploit 11,203 net acres of our undeveloped land holdings will expire by December 31, 2012. The land expirations do not consider our 2012 exploitation and development program that may result in extending or eliminating such potential expirations. We closely monitor land expirations as compared to our development program with the strategy of minimizing undeveloped land expirations relating to significant identified opportunities.

## Forward Contracts

Our operational results and financial condition will be dependent on the prices received for oil and natural gas production. Oil and natural gas prices have fluctuated widely in recent years. Such prices are primarily determined by economic, and in the case of oil prices, political factors. Supply and demand factors, as well as weather, general economic conditions, and conditions in other oil and natural gas regions of the world also impact prices. Any upward or downward movement in oil and natural gas prices could have an effect on our financial condition and capital development.

Advantage, including its subsidiary Longview, has approved a hedging policy using, amongst others, costless collars and fixed price swaps to hedge up to 60% of its gross oil, NGLs and natural gas production for a maximum period of three years. These hedging activities could expose the Corporation to losses or gains. To the extent that the Corporation engages in risk management activities related to commodity prices, it will be subject to credit risk associated with the parties with which it contracts. This credit risk will be mitigated by entering into contracts with only stable and creditworthy parties and through the frequent review of the Corporation's exposure to these entities. See "Risk Factors".

Advantage's subsidiary, Longview, has the following derivatives in place:

Description	of
Derivative	

Derivative	Term	Volume	Average Price
Crude Oil Fixed price	January 2012 to December 2012	1,000 bbls/d	Cdn \$97.10/bbl
Collar	January 2012 to December 2012	1,000 bbls/d	Bought put Cdn \$90.00/bbl Sold call Cdn \$102.25/bbl
<b>Electricity</b> Fixed price	January 2012 to December 2012	0.9 MW	Cdn \$77.88 MW/hr

# Additional Information Concerning Abandonment and Reclamation Costs

We estimate the costs to abandon and reclaim all our non-producing and producing wells, gas plants, pipelines, batteries, and other facilities. No estimate of salvage value is netted against the estimated cost. Our model for estimating the amount of future abandonment and reclamation expenditures was done on an individual well and facility level. Estimated expenditures for each well and facility are base on internal estimates through consultation with our Health, Safety and Environment Department. Each well and facility are assigned an average cost for abandonment and reclamation over a 60 year period. Timing of expenditures are based on budgets and estimates of such annual activities. Facility reclamation costs are generally scheduled to begin shortly before the end of the reserve life of our associated reserves and continue beyond the reserve life under the assumption that decommissioning of plant/facilities are generally mobile assets with a long useful life.

We estimate that we will incur reclamation and abandonment costs on 1,819 net producing and non-producing wells and 716 net abandoned wells. The approximate net cost to abandon and reclaim all wells and facilities, discounted at 10%, totals \$39.5 million (\$310.6 million undiscounted), of which approximately \$9.2 million are included in the estimate of future net revenue (\$75.7 million undiscounted). Abandonment and reclamation costs undiscounted and expected to be paid over the next three years totals \$12.3 million.

# Tax Horizon

In 2011, we did not pay any income related taxes and it is expected, based on current legislation, that no cash income taxes are to be paid by AOG prior to 2017. See "Risk Factors".

# Capital Expenditures

The following tables summarize capital expenditures (including capitalized general and administrative expenses) related to our activities for the year ended December 31, 2011:

Capital Expenditures (\$ thousands) <sup>(1)</sup>	2011
Land and seismic	1,704
Drilling, completions and workovers	199,170
Well equipping and facilities	52,857
Other	443
Total expenditures on property, plant and equipment	254,174
Expenditures on exploration and evaluation assets	3,006
Property dispositions	(1,099)
Total capital expenditures	256,081

#### Note:

(1) Includes capital expenditures related to Longview (without reduction to reflect the Longview Non-Controlling Interest).

# **Exploration and Development Activities**

The following table sets forth the gross and net wells in which we participated during the year ended December 31, 2011:

	Exploratory		Development		Total	
	Gross	Net	Gross	Net	Gross	Net
Oil wells	1.0	1.0	48.0	26.7	49.0	27.7
Gas wells	-	-	26.0	21.6	26.0	21.6
Service wells	-	-	-	-	-	-
Dry holes	-	-	-	-	-	-
Total <sup>(1)</sup>	1.0	1.0	74.0	48.3	75.0	49.3

#### Note:

(1) Includes wells in which Longview participated (without reduction to reflect the Longview Non-Controlling Interest).

Subject to, among other things, the availability of drilling rigs and weather that permits access to drill sites, in the first six months of 2012, we plan to drill, complete and tie-in 24 net wells.

See "Other Oil and Gas Information – Property Descriptions" for a description of the Corporation's exploration and development activities.

## **Production Estimates**

The following table sets out the volume of our production estimated for the year ended December 31, 2011 reflected in the estimate of future net revenue disclosed in the tables contained under "Disclosure of Reserves Data".

	Light and Oil		Heavy	Oil Oil	Natura	al Gas	Natural Ga	s Liquids	Tot	al
	(bbls/d)		(bbls/d)		(Mcf/d)		(bbls/d)		(Boe/d)	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Proved Producing	3,828	3,278	582	506	119,137	109,533	1,386	1,048	25,652	23,087
Proved Developed Non-										
Producing	125	103	15	13	5,134	4,847	27	23	1,023	947
Proved Undeveloped	521	475	34	30	5,005	4,746	18	16	1,406	1,312
Total Proved	4,473	3,856	631	548	129,276	119,125	1,431	1,088	28,082	25,346
Total Probable	623	535	124	92	13,516	12,650	81	63	3,080	2,797
Total Proved Plus Probable <sup>(1)</sup>	5,096	4,390	754	640	142,793	131,773	1,512	1,151	31,161	28,143

Note:

(1) Includes Longview production (without reduction to reflect the Longview Non-Controlling Interest).

## **Production History**

The following tables summarize certain information in respect of production, prices received, royalties paid, operating expenses and resulting netback for the periods indicated below:

	Quarter Ended 2011			Year Ended	
	Mar. 31	June 30	Sept. 30	Dec. 31	Dec. 31, 2011
Average Daily Production					
Crude Oil (bbls/d)	4,537	4,459	4,658	5,182	4,711
Gas (Mcf/d)	111,145	136,986	134,353	137,480	130,075
NGLs (bbls/d)	1,714	1,460	1,588	1,316	1,519
Combined (boe/d)	24,775	28,750	28,638	29,411	27,909

		Year Ended			
	Mar. 31	June 30	Sept. 30	Dec. 31	Dec. 31, 2011
Average Net Production Prices Received <sup>(2)</sup>					
Crude Oil (\$/bbl)	81.34	94.99	82.31	89.34	87.02
Gas (\$/Mcf)	3.72	3.77	3.62	3.18	3.55
NGLs (\$/bbl)	59.71	67.73	59.69	78.09	65.64
Combined (\$/boe)	35.71	36.16	33.69	34.11	34.88
Gain/(Loss) on Derivatives					
Crude Oil (\$/bbl)	(3.58)	(2.73)	1.03	(1.48)	(1.65)
Gas (\$/Mcf)	0.83	0.52	0.53	0.57	0.60
Combined (\$/boe)	3.07	2.05	2.67	2.42	2.54
Royalties Paid					
Crude Oil (\$/bbl)	13.71	19.70	18.44	20.24	18.11
Gas (\$/Mcf)	0.32	0.30	0.22	0.12	0.24
NGLs (\$/bbl)	16.80	22.51	19.95	17.79	19.21
Combined (\$/boe)	5.12	5.62	5.13	4.93	5.20
Operating Expenses <sup>(3)(4)</sup>					
Crude oil (\$/bbl)	19.08	19.27	21.11	18.48	19.46
Natural gas (\$/Mcf)	1.26	1.01	.93	0.89	1.01
NGLs (\$/bbl)	13.42	14.59	13.57	13.82	13.83
Combined (\$/boe)	10.09	8.57	8.56	8.03	8.75
Netback Received <sup>(5)</sup>					
Crude Oil (\$/bbl)	44.97	53.29	43.79	49.14	47.80
Gas (\$/Mcf)	2.97	2.98	3.00	2.74	2.90
NGLs (\$/bbl)	29.49	30.63	26.17	46.48	32.60
Combined (\$/boe)	23.57	24.02	22.67	23.57	23.47

## Notes:

- (1) Before deduction of royalties.
- (2) This figure includes all field operating expenses.
- (3) We do not record operating expenses on a commodity basis. Information in respect of operating expenses for crude oil and NGLs (\$/bbl) and natural gas (\$/Mcf) has been determined by allocating expenses on a well by well basis based upon the relative volume of production of crude oil and NGLs and natural gas.
- Information in respect of netbacks received for crude oil & NGLs (\$/bbl) and natural gas (\$/Mcf) is calculated using operating expense figures for crude oil and NGLs (\$/bbl) and natural gas (\$/Mcf), which figures have been estimated. See note (4) above.
- (5) Includes Longview (without reduction to reflect the Longview Non-Controlling Interest).

The following table indicates our approximate average daily production from our important fields for the quarter ended December 31, 2011:

(Mcf/d)	(bbls/d)	(bbls/d)	(boe/d)
91,405	-	-	15,240
5,634	412	869	2,219
9,160	98	65	1,689
3,126	205	154	881
4,602	124	8	899
5,835	-	-	973
2,564	190	422	1,039
2,958	111	78	682
2,685	-	5	452
1,643	-	-	274
1,622	123	80	474
186	-	225	256
1,574	43	350	655
132,994	1,306	2,256	25,733
121	2	1,905	1,927
106	-	511	529
227	2	2,416	2,456
4,259	8	510	1,222
	5,634 9,160 3,126 4,602 5,835 2,564 2,958 2,685 1,643 1,622 186 1,574 132,994  121 106 227	5,634     412       9,160     98       3,126     205       4,602     124       5,835     -       2,564     190       2,958     111       2,685     -       1,643     -       1,622     123       186     -       1,574     43       132,994     1,306       121     2       106     -       227     2	5,634       412       869         9,160       98       65         3,126       205       154         4,602       124       8         5,835       -       -         2,564       190       422         2,958       111       78         2,685       -       5         1,643       -       -         1,622       123       80         186       -       225         1,574       43       350         132,994       1,306       2,256         121       2       1,905         106       -       511         227       2       2,416

Properties	Natural Gas (Mcf/d)	NGLs (bbls/d)	Crude Oil (bbls/d)	Total (boe/d)
Total	137,480	1,316	5,182	29,411

Note:

(1) Includes Longview (without reduction to reflect the Longview Non-Controlling Interest).

#### Marketing

Our crude oil and natural gas production is primarily sold through marketing companies at current market prices. Crude oil contracts are generally for less than a year and are cancellable on 30 days notice and natural gas contracts are generally for one year and are cancellable on 60 days notice. NGL contracts are renegotiated annually and the contracts run for one year and are not cancellable for that term. Approximately 3.5% of our natural gas production is sold to aggregators who accumulate production from various producers and market the gas on behalf of the group. Such contracts are reserve specific and continue for the life of production from the specified reserves.

#### **Cyclical and Seasonal Impact of Industry**

Our operational results and financial condition will be dependent on the prices received for oil and natural gas production. Oil and natural gas prices have fluctuated widely during recent years and are determined by supply and demand factors, including weather and general economic conditions, as well as conditions in other oil and natural gas regions. Any decline in oil and natural gas prices could have an adverse effect on our financial condition. We mitigate such price risk through closely monitoring the various commodity markets and establishing hedging programs, as deemed necessary, to lock-in netbacks on production volumes. See "Other Oil and Gas Information – Forward Contracts" for our current hedging program.

#### **Environmental Considerations**

We are pro-active in our approach to environmental concerns. Procedures are in place to ensure that the utmost care is taken in the day-to-day management of our oil and gas properties. All government regulations and procedures are followed in strict adherence to the law. We believe in well abandonment and site restoration in a timely manner to ensure minimal damage to the environment and lower overall costs to us. Our Environmental Management System is continuously updated and meets the Canadian Association of Petroleum Producers ("CAPP") Environmental Management Guidelines.

#### Health, Safety and Environmental

AOG is committed to a comprehensive and effective health, safety and environmental program that meets or exceeds regulatory and corporate requirements.

AOG's Health and Safety Management Program is recognized by Alberta Occupational Health and Safety, Alberta Workers Compensation Board and the Alberta Association of Safety Partnerships and as such AOG has received Certificates of Recognition from the above agencies.

Management, employees and all contractors are responsible and accountable for the overall health, safety and environmental program. AOG will operate in compliance with all applicable regulations and will ensure all staff and contractors employ sound practices to protect the environment and to ensure employee and public health and safety.

The Corporation maintains and will maintain a safe and environmentally responsible work place and provide training, equipment and procedures to all individuals in adhering to our policies. The Corporation will also solicit and take into consideration input from our neighbours, communities and other stakeholders in regard to protecting people and the environment.

AOG participates in the Environment, Health and Safety Stewardship Program developed by the Canadian Association of Petroleum Producers. Participation requires commitment to continuous improvement in the

environment, health and safety management practices including sound planning and implementation, open communication and measured performance against our peers.

# **Competitive Conditions**

We are a member of the petroleum industry, which is highly competitive at all levels. We compete with other companies for all of our business inputs, including exploitation and development prospects, access to commodity markets, acquisition opportunities, available capital and staffing.

We strive to be competitive by maintaining a strong financial condition and by utilizing current technologies to enhance exploitation, development and operational activities.

#### **DIRECTORS AND OFFICERS**

The following table sets forth the name, place of residence, date first elected as a director of AOG and positions for each of the proposed directors and officers of AOG, together with their principal occupations during the last five years.

Name, Province and Country of Residence	Position Held and Period Served as a Director or Officer (4)(5)	Principal Occupations During Past Five Years
Andy J. Mah Alberta, Canada	President since April 21, 2011, Chief Executive Officer since January 27, 2009 and a Director since June 23, 2006	President since April 21, 2011. Chief Executive Officer since January 27, 2009. Chief Operating Officer of Longview since December 15, 2010. President and Chief Operating Officer from June 23, 2006 to January 27, 2009. Prior thereto, President of Ketch Resources Ltd. since October 2005. Chief Operating Officer of Ketch Resources Ltd. from January 2005 to September 2005. Prior thereto, Executive Officer and Vice President, Engineering and Operations of Northrock Resources Ltd. from August 1998 to January 2005.
Kelly I. Drader Alberta, Canada	Chief Financial Officer since January 27, 2009 and Director since May 24, 2001	Chief Financial Officer of AOG since January 27, 2009. President of AOG from January 27, 2009 to April 21, 2011. President and Chief Executive Officer of Longview since December 15, 2010. Chief Executive Officer of AOG from May 24, 2001 to January 27, 2009. President of AIM from March 2001 to June 2006. Prior thereto, Senior Vice President (1997-2001) and Vice President, Finance and Chief Financial Officer (1990-1997) of EnerPlus Group of Companies, which companies specialize in the management of oil and gas income funds and royalty trusts.
John A. Howard (2)(3)(7) Alberta, Canada	Director since June 23, 2006	Mr. Howard is currently a private investor and company director in the Canadian oil and gas sector. He is a Professional Engineer who has had an active career spanning 40 years, including 20 years as a President and CEO of: Barrington Petroleum Ltd., Seagull Energy Canada Ltd., Novalta Resources Ltd and Aberford Resources Corp. Since 2000, Mr. Howard has been a Board member of seven reporting issuers including: Advantage /Advantage Energy Income Fund/Ketch Resources Trust; Rockyview Energy Inc.(Chairman)/APF Energy Trust; and Bear Ridge Resources Inc./Bear Creek Energy Ltd. Also since the year 2000, he has been an investor in and director of 10 widely held private non-reporting issuers.
Ronald A. McIntosh <sup>(1)(3)(8)</sup> Alberta, Canada	Director since September 25, 1998 <sup>(6)</sup>	Chairman of North American Energy Partners Inc., a publicly traded corporation and a director of Fortress Energy Inc. Mr. McIntosh has extensive experience in the energy business. His previous roles included President and Chief Executive Officer of Navigo Energy, Chief Operating Officer of Gulf Canada, Vice President Exploration and International of PetroCanada and Chief Operating Officer of Amerada Hess Canada.
Stephen E. Balog <sup>(1)(3)</sup> Alberta, Canada	Director since August 16, 2007	President, West Butte Management Inc. and Principal of Alconsult International Ltd., both of which are private consulting companies that provide technical and business advisory services to oil and gas operators. Prior thereto, President and Chief Operating Officer and a Director of Tasman Exploration Ltd. from 2001 to June, 2007.
Carol D. Pennycook <sup>(1)(2)</sup> Ontario, Canada	Director since May 26, 2004	Partner at the Toronto office of Davies Ward Phillips & Vineberg, LLP, a national law firm.

Position Held and

Name, Province and Country of Residence	Periodi fred and Period Served as a Director or Officer (4)(5)	Principal Occupations During Past Five Years
Steven Sharpe Ontario, Canada	Director since May 24, 2001 and Non-Executive Chairman since May 26, 2004	Managing Director, The EmBeSa Corporation. Mr. Sharpe is, and has been, a director of Longview since April 27, 2010. Until January, 2012, he was also Chairman of Prime Restaurants Inc. Since December, 2011, he is also a director of C.A. Bancorp. Inc. From October 2009 to March 2010, Mr. Sharpe was Chairman and Chief Executive Officer of Prime Restaurants Royalty Income Fund. Until July, 2009, he was Senior Advisor to Blair Franklin Capital Partners, Inc., a Toronto-based investment bank which he co-founded in May, 2003. Prior to that, Mr. Sharpe was Managing Partner of Blair Franklin, from its inception. Before then, he was Managing Director of The EBS Corporation, a management and strategic consulting firm. Prior to EBS, Mr. Sharpe was Executive Vice President of The Kroll-O'Gara Company ("Kroll"), New York. Prior to his joining Kroll, Mr. Sharpe was a senior partner with Davies, Ward & Beck in Toronto.
Sheila O'Brien <sup>(2) (3)</sup> Alberta, Canada	Director since March 21, 2007	Ms. O'Brien has over 35 year's experience in the oil and gas, pipeline and petrochemicals sector, in Canada the USA, Europe and South America. She has held leadership positions in human resources, public affairs, health safety and the environment, and government and investor relations. In her roles as a senior executive with NOVA corporation, she led the team that designed an innovative workplace restructuring program that was designated a Worldwide Best Practice by Watson Wyatt consultancy. Ms. O'Brien is the author of two books, "An Extraordinary West" and "Catching a Rising Tide – an energy vision for Canada" published by the Canada West Foundation. She was inducted in the Order of Canada in 1998, and received the Jubilee Medal for public service in 2012.
Paul Haggis <sup>(1)</sup> Alberta, Canada	Director since November 7, 2008	Mr. Haggis' was President and Chief Executive Officer of Ontario Municipal Employees Retirement System (OMERS) from September 2003 to March 2007, Interim Chief Executive Officer of the Public Sector Pension Investment Board (PSPIB) during 2003 and Executive Vice-President, Development and Chief Credit Officer of Manulife Financial in 2002. Mr. Haggis has extensive financial markets and public board experience and currently serves on the Board of Directors of Canadian Tire Bank and as a director and Chair of the Investment Committee of the Insurance Corporation of British Columbia. He is also Chair of the Audit Committee of C.A. Bancorp and Prime Restaurants Royalty Income Fund. He is in addition a member of the Board of UBC Investment Management Inc. and a Chairman of Alberta Enterprise Corp.
Patrick J. Cairns Alberta, Canada	Senior Vice President	Senior Vice President of AOG since June 2001. Senior Vice President of Longview since May 13, 2011. Prior thereto, Mr. Cairns was Vice President, Evaluations with the Enerplus Group of Companies, which companies specialize in the management of oil and gas income funds and royalty trusts.
Craig Blackwood Alberta, Canada	Vice President, Finance	Vice President, Finance of AOG since January 27, 2009. Chief Financial Officer of Longview since March 4, 2010. Mr. Blackwood is a Chartered Accountant and was the Director of Finance of AOG from November 2004 to January 27, 2009.
Neil Bokenfohr Alberta, Canada	Vice President, Exploitation	Vice-President, Exploitation of AOG since June 23, 2006. Vice-President, Exploitation of Longview since May 13, 2011. Prior thereto, Vice President Exploitation and Operations of Ketch Resources Ltd. since January 2005; Vice President, Engineering of Bear Creek Energy Ltd. (and Crossfield Gas Corp. prior thereto) from March 2002 to January 2005. Prior thereto, Director of Exploitation for Calpine Canada Natural Gas Company from December 2000 to March 2002.
Weldon M. Kary Alberta, Canada	Vice President, Geosciences and Land	Vice President, Geosciences and Land of AOG since February 14, 2005. Vice President, Geosciences and Land of Longview since May 13, 2011. Prior thereto, Manager, Geology and Geophysics with AOG since May 23, 2001. Prior thereto, Exploration Manager at Palliser Energy Corp. when Palliser was purchased by Search Energy Corp, the predecessor entity of AOG.

#### **Position Held and** Period Served as a Name, Province and Director or Officer<sup>(4)(5)</sup> **Country of Residence Principal Occupations During Past Five Years** Jay P. Reid Corporate Secretary Partner at the Calgary based law firm of Burnet, Duckworth & Palmer LLP and has Alberta, Canada practiced corporate and securities law since 1990. He has served as a director or officer of a number of publicly listed issuers and currently serves as a Director of Madalena Ventures Inc. and Renegade Petroleum Ltd. and as Corporate Secretary for Pinecrest Energy Inc., TriOil Resources Ltd. and Longview Oil Corp. in addition to being a Director or Corporate Secretary for six private issuers.

#### Notes:

- (1) Member of the Audit Committee.
- (2) Member of the Human Resources, Compensation and Corporate Governance Committee.
- (3) Member of the Reserve Evaluation Committee.
- (4) AOG does not have an executive committee of the Board.
- (5) AOG's directors shall hold office until the next annual general meeting of Shareholders or until each director's successor is appointed or elected pursuant to the ABCA.
- (6) The period of time served by Ronald A. McIntosh as a director of AOG includes the period of time served as a director of Search prior to the Amalgamation, where applicable. Mr. McIntosh was appointed a director of post-Reorganization Search on May 24, 2001.
- (7) Mr. Howard was the President, Chief Executive Officer and Director of Sunoma Energy Corp. Immediately upon his resignation from the executive and board of directors, Sunoma Energy Corp. filed for Court protection.
- Mr. McIntosh is a director of Fortress Energy Inc. ("Fortress"). On March 2, 2011, the Court of Queen's Bench of Alberta granted an (8)order (the "Order") under the Companies' Creditors Arrangement Act (Canada) ("CCAA") staying all claims and actions against Fortress and its assets and allowing Fortress to prepare a plan of arrangement for its creditors if necessary. Fortress took such step in order to enable Fortress to challenge a reassessment issued by the Canada Revenue Agency ("CRA"). As a result of the reassessment, if Fortress had not taken any action, it would have been compelled to immediately remit one half of the reassessment to the CRA and Fortress did not have the necessary liquid funds to remit, although Fortress had assets in excess of its liabilities with sufficient liquid assets to pay all other liabilities and trade payables. Fortress believed that the CRA's position was not sustainable and vigorously disputed the CRA's claim. Fortress filed a Notice of Objection to the reassessment and on October 20, 2011 announced that its Notice of Objection was successful, CRA having confirmed there were no taxes payable. As the CRA claim had been vacated and no taxes or penalties were owing Fortress no longer required the protection of the Order under the CCAA and on October 28,2011 the Order was removed. On March 3, 2011 the TSX suspended trading in the securities of Fortress due to Fortress having been granted a stay under the CCAA. In addition the securities regulatory authorities in Alberta, Ontario and Quebec issued a cease trade order with respect to Fortress for failure to file its annual financial statements for the year ended December 31, 2010 by March 31, 2011. The delay in filing was due to Fortress being granted the CCAA order on March 2, 2011 and the resulting additional time required by its auditors to deliver their audit opinion. The required financial statements and other continuous disclosure documents were filed on April 29, 2011 and the cease trade order was subsequently removed. On September 1, 2010 Fortress closed the sale of substantially all of its oil and gas assets. As a result of the sale Fortress was delisted from the TSX on March 30, 2011 as it no longer met minimum listing requirements.

As at March 23, 2012 the directors and executive officers of AOG, as a group, beneficially owned, directly or indirectly, or exercised control or direction over, 1,944,707 Common Shares, or approximately 1.2% of the issued and outstanding Common Shares.

# Cease Trade Orders, Bankruptcies, Penalties or Sanctions

Other than as disclosed above:

(a) no director or executive officer of AOG has, within the last ten years prior to the date of this annual information form, been a director, chief executive officer or chief financial officer of any issuer (including AOG) that, (i) while the person was acting in the capacity as director, chief executive officer or chief financial officer, was the subject of a cease trade or similar order or an order that denied the company access to any exemption under securities legislation, that was in effect for a period of more than thirty (30) consecutive days; or (ii) was subject to an order that was issued after the director or executive officer ceased to be a director, chief executive officer or chief financial officer of an issuer, in the issuer being the subject of a cease trade or similar order or an order that denied the relevant issuer access to any exemption under securities legislation, for a period of more than thirty (30) consecutive days, which resulted from an event that occurred while that person was acting as a director, chief executive officer or chief financial officer of the issuer;

- (b) no director or executive officer of AOG or security holder holding a sufficient number of securities of AOG to affect materially the control of AOG is, as at the date of this annual information form, or has, within the last ten years prior to the date of this annual information form, been a director or executive officer of any company (including AOG) that, while such person was acting in that capacity, or within a year of that person ceasing to act in that capacity, became bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency or was subject to or instituted any proceedings, arrangement for compromise with creditors or had a receiver, receiver manager or trustee appointed to hold its assets;
- (c) no director or executive officer of AOG or securityholder holding a sufficient number of securities of AOG to affect materially the control of AOG has, within the last ten years prior to the date of this document, become bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency, or become subject to or instituted any proceedings, arrangement or compromise with creditors, or had a receiver, receiver manager or trustee appointed to hold the assets of the director, officer or securityholder; and
- (d) no director or executive officer of AOG or securityholder holding a sufficient number of securities of AOG to affect materially the control of AOG has been subject to: (i) any penalties or sanctions imposed by a court relating to securities legislation or by a securities regulatory authority or has entered into a settlement agreement with a securities regulatory authority; or (ii) any other penalties or sanctions imposed by a court or regulatory body that would likely be considered important to a reasonable investor in making an investment decision.

#### **Conflicts of Interest**

The directors and officers of AOG may, from time to time, be involved in the business and operations of other issuers, in which case a conflict may arise. The ABCA provides that in the event a director has an interest in a contract or proposed contract or agreement, the director shall disclose his interest in such contract or agreement and shall refrain from voting on any matter in respect of such contract or agreement unless otherwise provided under the ABCA. To the extent that conflicts of interests arise, such conflicts will be resolved in accordance with the provisions of the ABCA.

Certain officers and directors of the Corporation also form part of the management of Longview including Kelly Drader, the President and Chief Executive Officer of Longview, Craig Blackwood, the Chief Financial Officer of Longview, Andy Mah, the Chief Operating Officer of Longview, Patrick Cairns, the Senior Vice President of Longview, Neil Bokenfohr, the Vice President, Exploitation of Longview, Weldon Kary, the Vice President, Geosciences and Land of Longview, Jay P. Reid, the Corporate Secretary of Longview, and Steven Sharpe, a director of each of the Corporation and Longview. As a result, there is the potential for these individuals to encounter conflicts of interests in the event that the interests of the Corporation and Longview diverge. See also "Interest of Management and Others in Material Transactions".

#### DIVIDEND POLICY

# **Dividend Policy of the Corporation**

The Corporation does not anticipate paying dividends in the immediate future and will instead direct cash flow to capital expenditures and debt repayment. The amount of future cash dividends, if any, is not assured and will be subject to the discretion of the Board of Directors and may vary depending on a variety of factors, including fluctuations in commodity prices, production levels, capital expenditure requirements, debt service requirements, operating costs, royalty burdens and foreign exchange rates. See "Risk Factors".

Prior to the completion of the Trust Conversion, Unitholders of the Trust of record on a distribution record date were entitled to receive distributions which were paid by the Trust to its Unitholders on the corresponding distribution payment date. The following is a summary of the distributions made by us for each of the three most recently completed financial years.

For the 2009 Period Ended	Distributions per Unit	Payment Date
January 31	\$0.08	February 17, 2009
February 28	\$0.04	March 16, 2009
Total:	\$0.12	<del>-</del>

#### Note:

(1) On March 18, 2009 we announced that monthly distributions had been suspended with the final cash distribution paid to Unitholders on March 16, 2009 to Unitholders of record as of February 27, 2009. See "General Development of the Business". We have not paid any dividends or distributions on the Common Shares.

#### **Dividend Policy of Longview**

Longview has established a policy of declaring regular monthly cash dividends since the completion of the Longview Offering and the Longview Transaction. The payment and the amount of dividends declared in any month is subject to the discretion of the board of directors of Longview and will depend on the board of director's assessment of Longview's outlook for growth, capital expenditure requirements, funds from operations, potential acquisition opportunities, debt position and other conditions that the board of directors of Longview may consider relevant at such future time, including applicable restrictions that may be imposed under Longview's credit facilities and on the ability of Longview to pay dividends upon the satisfaction of the liquidity and solvency tests imposed by the ABCA for the declaration and payment of dividends. The amount of future cash dividends, if any, may also vary depending on a variety of factors, including fluctuations in commodity prices, production levels, capital expenditure requirements, debt service requirements, operating costs, royalty burdens and foreign exchange rates.

The following is a summary of the dividends declared and paid by Longview for the most recently completed financial year.

For the 2011 Period Ended	Dividend per Common Share	Payment Date
May 31	\$0.05	June 15, 2011
June 30	\$0.05	July 15, 2011
July 31	\$0.05	August 15, 2011
August 31	\$0.05	September 15, 2011
September 30	\$0.05	October 17, 2011
October 31	\$0.05	November 17, 2011
November 30	\$0.05	December 15, 2011
December 31	\$0.05	January 16, 2012
Total:	\$0.40	

# DESCRIPTION OF THE CORPORATION'S SECURITIES

# **Share Capital**

The Corporation is authorized to issue an unlimited number of Common Shares, non-voting shares, preferred shares and exchangeable shares. As of December 31, 2011, there were 166,304,040 Common Shares issued and outstanding and there were no non-voting shares, preferred shares or exchangeable shares issued and outstanding.

The following is a description of the rights attaching to the Common Shares, non-voting shares and the preferred shares.

#### **Common Shares**

Each Common Share entitles its holder to receive notice of and to attend all meetings of the shareholders of AOG and to one vote at such meetings. The holders of Common Shares are, at the discretion of the AOG Board of Directors and subject to applicable legal restrictions, entitled to receive any dividends declared by the AOG Board of Directors on the Common Shares. The holders of Common Shares are entitled to share equally in any distribution of the assets of AOG upon the liquidation, dissolution, bankruptcy or winding-up of AOG or other distribution of its assets among its shareholders for the purpose of winding-up its affairs. Such participation is subject to the rights, privileges, restrictions and conditions attaching to any instruments having priority over the Common Shares.

#### Non-Voting Shares

The non-voting shares have identical rights to the Common Shares except that holders of non-voting shares are not generally entitled to receive notice of or attend at meetings of shareholders of AOG or to vote their shares at such meetings.

#### **Preferred Shares**

The preferred shares may be issued, from time to time, in one or more series, each series consisting of such number of preferred shares as determined by the AOG Board of Directors, who may also fix the designations, rights, privileges, restrictions and conditions attached to the shares of each series of preferred shares. No preferred shares are presently issued and outstanding. The preferred shares of each series shall, with respect to payment of dividends and distributions of assets in the event of liquidation, dissolution or winding-up of AOG, whether voluntary or involuntary, or any other distribution of the assets of AOG among its shareholders for the purpose of winding-up its affairs, rank on a parity with the preferred shares of every other series and shall be entitled to preference over the Common Shares and the shares of any other class ranking junior to the preferred shares.

#### 5.00% Debentures

The 5.00% Debentures pay interest semi-annually and are convertible at the option of the holder into Common Shares at the conversion price per Common Share noted below plus accrued and unpaid interest. The details of the 5.00% Debentures including the balance outstanding as at December 31, 2011 are as follows:

	5.00%
Trading symbol	AAV.DB.H
Issue date	Dec. 31, 2009
Maturity date	Jan. 30, 2015
Conversion price	\$8.60
Outstanding	\$86,250,000

The 5.00% Debentures are redeemable prior to their maturity date, at the option of the Corporation, upon providing appropriate days advance notification as per the terms of the debenture indenture. The redemption price for the 5.00% Debentures is \$1,000, plus accrued and unpaid interest, and are redeemable after January 31, 2013 and on or before January 30, 2015, provided that the Current Market Price of the Common Shares exceeds 125% of conversion price noted above.

# PRICE RANGE AND TRADING VOLUME OF SECURITIES

#### **Common Shares**

The Common Shares are listed and trade on the TSX and the NYSE and commenced trading under the symbol "AAV" following the completion of the Trust Conversion on July 9, 2009. The following table sets forth the trading history of the Common Shares for the periods indicated.

Period	High	Low	Volume
	(\$)	(\$)	
TSX Trading			
<u>2011</u>			
January	7.47	6.61	13,034,855
February	7.83	7.33	7,466,185
March	9.00	7.40	18,472,197
April	8.90	7.84	11,937,306
May	8.17	7.33	9,202,264
June	8.51	7.35	18,224,659
July	7.85	6.59	9,796,515
August	6.82	5.10	18,220,615
September	5.76	3.82	11,980,690
October	5.49	3.79	24,283,919
November	5.57	4.43	18,018,795
December	4.92	3.82	15,063,224
<u>2012</u>			
January	4.46	3.35	21,564,836
February	4.15	3.51	21,267,458
March (1 to 22)	3.93	3.53	15,576,426
NYSE Trading (U.S.\$)			
<u>2011</u>			
January	7.45	6.65	3,432,750
February	7.94	7.38	2,807,182
March	9.22	7.49	6,677,307
April	9.29	8.14	3,266,936
May	8.56	7.57	3,055,715
June	8.68	7.53	2,929,906
July	8.17	6.90	2,300,788
August	7.19	5.15	5,583,037
September	5.90	3.83	3,216,220
October	5.52	3.57	4,242,971
November	5.50	4.22	2,798,687
December	4.86	3.68	2,819,422
<u>2012</u>			
January	4.39	3.32	3,369,607
February	4.17	3.52	2,573,324
March (1 to 22)	3.98	3.56	2,611,994

# 5.00% Debentures

The 5.00% Debentures are listed for trading on the TSX under the symbol "AAV.DB.H". The following table sets forth the high and low trading prices and the aggregate trading volume of the 5.00% Debentures as reported by the TSX for the period indicated.

Period	High	Low	Volume
	(\$)	(\$)	
<u>2011</u>			
January	108.00	104.00	81,730
February	112.00	108.44	27,440
March	121.00	109.50	44,290
April	120.00	109.00	11,970
May	115.00	111.00	27,560
June	115.00	109.24	3,810
July	115.90	104.69	131,440
August	104.13	97.00	51,970
September	99.00	89.51	28,870
October	96.99	89.00	21,660
November	97.00	92.68	60,610
December	97.00	93.75	25,780
<u>2012</u>			
January	98.99	95.00	161,300
February	98.00	97.00	23,550
March (1 to 22)	98.10	97.02	32,800

#### **Prior Sales**

During the year ended December 31, 2011, the Corporation granted an aggregate of 1,443,956 restricted shares with a weighted average price of \$7.78.

# ESCROWED SECURITIES AND SECURITIES SUBJECT TO CONTRACTUAL RESTRICTIONS ON TRANSFER

There are presently no AOG securities held in escrow or subject to contractual restrictions on transfer.

#### **LEGAL PROCEEDINGS**

There are no outstanding legal proceedings and Advantage and its subsidiaries were not involved in any legal proceedings during the year ended December 31, 2011, which involved claims in excess of 10% of the Corporation's current asset value to which Advantage or its subsidiaries were a party or in respect of which any of its properties are subject, nor are there any such proceedings known to be contemplated.

#### REGULATORY ACTIONS

During the year ended December 31, 2011 there were: (i) no penalties or sanctions imposed against AOG or its subsidiaries by a court relating to securities legislation or by a securities regulatory authority; (ii) no other penalties or sanctions imposed by a court or regulatory body against AOG or its subsidiaries that would likely be considered important to a reasonable investor in making an investment decision; and (iii) no settlement agreements AOG or its subsidiaries entered into before a court relating to a securities legislation or with a securities regulatory authority.

#### INTEREST OF MANAGEMENT AND OTHERS IN MATERIAL TRANSACTIONS

Other than as disclosed below, there were no material interests, direct or indirect, of directors and executive officers of AOG or its subsidiaries or nominees for director of AOG or its subsidiaries, any Shareholder who beneficially owns or directs or controls more than 10% of the Common Shares or any known associate or affiliate of such persons in any transaction during the year ended December 31, 2011 or in any proposed transaction which has materially affected or would materially affect AOG or its subsidiaries.

Steven Sharpe, a director of AOG, is a director of Longview. In addition, concurrent with closing of the Longview Offering, AOG entered into the TSA pursuant to which AOG provides the necessary personnel and technical services to manage Longview's business. The officers of Longview are Kelly Drader (President and Chief Executive Officer), Craig Blackwood (Chief Financial Officer), Andy Mah (Chief Operating Officer), Patrick Cairns (Senior Vice President), Neil Bokenfohr (Vice President, Exploitation) and Weldon Kary (Vice President, Geosciences and Land), each of which are executive officers of AOG. The officers of Longview provide services to Longview under the TSA but will remain as employees of Advantage. See "General Development of the Business – 2011".

#### MATERIAL CONTRACTS

#### **Material Contracts of AOG**

Except for contracts entered into by us in the ordinary course of business or otherwise disclosed herein, the only agreement which is material to AOG is the Credit Facility, a copy of which is available at www.sedar.com.

#### **Material Contracts of Longview**

Except for contracts entered into in the ordinary course of business the only agreements which are material to Longview are the agreement for the Longview credit facility, the TSA, the governance agreement between AOG and Longview (the "Governance Agreement") and the registration rights agreement between AOG and Longview (the "Registration Rights Agreement"), copies of which agreement are available on Longview's SEDAR profile at www.sedar.com and the terms of which are summarized below.

#### Longview Credit Facilities

In connection with the Longview Transaction, on April 14, 2011, Longview entered into a credit agreement with a syndicate of financial lenders for an extendible revolving credit facility in the maximum principal amount of \$180 million as well as an operating credit agreement with a Canadian financial institution in the maximum principal amount of \$20 million. The Longview Credit Facilities are collateralized by a floating charge demand debenture of \$1 billion over Longview's assets. Various borrowing options are available under the Longview Credit Facilities, including prime rate loans, bankers' acceptances, U.S. base rate loans and LIBOR loans. The amounts available to Longview from time to time under the Longview Credit Facilities are based upon the borrowing base determined by the financial lenders which is re-determined by the lenders on an annual basis after the receipt of the independent engineering report and such other information as required by the lenders. The next redetermination of the borrowing base is anticipated to occur in April of 2012. The borrowing base constitutes a revolving facility for a 364 day term which is extendible for a further 364 day revolving period, at the option of the lenders.

#### Technical Services Agreement

Longview entered into the Technical Services Agreement with Advantage on April 14, 2011. Under the Technical Services Agreement, Advantage provides the necessary personnel and technical services to manage Longview's business and Longview reimburses Advantage on a monthly basis for its share of administration charges equal to: (i) its proportionate share of Advantage's general and administrative costs, based upon its level of oil and natural gas production relative to the combined level of oil and natural gas production for Advantage and Longview but such general and administrative costs do not include direct costs attributable to Advantage, including, but not limited to, fees payable to the board of directors of Advantage, and fees associated with Advantage being a public company (including, but not limited to, expenses associated with ongoing financial reporting and disclosure, listing fees, legal fees, audit fees, director fees and costs related to ongoing investor relations and annual meetings); plus (ii) direct general and administrative costs for engineering, acquisition, legal and other professional services; less (iii) operating and capital overhead recoveries directly attributable to the Acquired Assets. As of December 31, 2011, Longview has paid \$3.8 million pursuant to the Technical Services Agreement.

The Technical Services Agreement became effective upon the completion of the Acquisition of the Acquired Assets and will continue for an initial period of one year, ending on April 14, 2012. The term of the Technical Services Agreement will automatically renew for an additional one year term on each anniversary date of the agreement. Following the first year of the operation of the Technical Services Agreement, either party may terminate the Technical Services Agreement by providing 120 days written notice to the other party.

#### Registration Rights Agreement

Longview entered into the Registration Rights Agreement with Advantage on April 14, 2011. The Registration Rights Agreement provides that for a period commencing 12 months after the date a receipt has been issued for the final prospectus under applicable securities legislation in Canada for the Offering (April 6, 2011) and expiring on the earlier of: (i) a date that is seven years from the date of the Registration Rights Agreement; or (ii) the date that is three months after the date that Advantage ceases to be the beneficial holder of more than 10% of the outstanding common shares of Longview, Advantage may require Longview to prepare, file and obtain a receipt for a final prospectus under applicable securities legislation in Canada qualifying the distribution of some or all of the common shares or other securities of Longview held by Advantage. Such right is subject to certain restrictions. In addition, during the aforementioned period, Advantage has the right to receive prompt notice should Longview propose to file a prospectus in Canada pursuant to an offering of Longview's securities and Advantage may include some or all of the common shares or other securities of Longview held by Advantage for distribution pursuant to the said offering. Such right is subject to certain restrictions.

#### Governance Agreement

The Governance Agreement was also entered into on April 14, 2011 pursuant to which Advantage agreed that until the earlier of: (i) the date that Advantage ceases to be the beneficial owner of more than 50% of the outstanding common shares of Longview; and (ii) the date that Advantage and Longview otherwise agree to in writing, Advantage will vote its common shares of Longview in such a manner so as to ensure that the board of directors of

Longview is comprised of a majority of independent directors. Pursuant to the Governance Agreement, Longview will agree to include in any slate or individual list of directors proposed for election at a meeting of shareholders such independent directors as may be nominated or put forward by Advantage. Advantage's agreement to vote its common shares of Longview to ensure that the majority of the directors of Longview are independent, will not apply in the circumstances where a dissident slate or list of directors is being proposed by a third party.

#### INTEREST OF EXPERTS

There is no person or company whose profession or business gives authority to a statement made by such person or company and who is named as having prepared or certified a statement, report or valuation described or included in a filing, or referred to in a filing, made under National Instrument 51-102 *Continuous Disclosure Obligations* by us during, or related to, our most recently completed financial year other than Sproule Associates Limited, our independent engineering evaluator and PricewaterhouseCoopers LLP, our current auditors. As at the date hereof, none of the principals of Sproule Associates Limited had any registered or beneficial interests, direct or indirect, in any securities or other property of AOG or of our associates or affiliates either at the time they prepared the statement, report or valuation prepared by it, at any time thereafter or to be received by them. PricewaterhouseCoopers LLP have confirmed that they are independent in accordance with the relevant rules and related interpretation prescribed by the Institute of Chartered Accountants of Alberta and the relevant legislation and requirements of the Public Company Accounting Oversight Board (PCAOB).

In addition, none of the aforementioned persons or companies, nor any director, officer or employee of any of the aforementioned persons or companies, is or is expected to be elected, appointed or employed as a director, officer or employee of AOG or of any associate or affiliate of AOG except for Mr. Jay Reid, the Corporate Secretary of AOG, who is a partner of Burnet, Duckworth & Palmer LLP, which law firm provides AOG with legal services.

## AUDITORS, TRANSFER AGENT AND REGISTRAR

Our auditors are PricewaterhouseCoopers LLP, Chartered Accountants, Calgary, Alberta.

Computershare Trust Company of Canada at its offices in Calgary, Alberta and Toronto, Ontario acts as the transfer agent and registrar for the Common Shares and the 5.00% Debentures.

#### AUDIT COMMITTEE INFORMATION

# **Composition of the Audit Committee**

The audit committee (the "Audit Committee") is comprised of Messrs. Paul Haggis, Stephen Balog, Ronald McIntosh and Ms. Carol Pennycook. The following chart sets out the assessment of each Audit Committee member's independence, financial literacy and relevant educational background and experience supporting such financial literacy.

Name, Province and Country of Residence	Independent	Financially Literate	Relevant Education and Experience
Ronald A. McIntosh Alberta, Canada	Yes	Yes	Mr. McIntosh is the Chairman and member of audit committee of North American Energy Partners Inc., a publicly traded corporation. Mr. McIntosh was also the Chairman and a member of the audit committee of Tasman Exploration Ltd., a private oil and gas company. He is also a director of Fortress Energy Inc.

Name, Province and Country of Residence	Independent	Financially Literate	Relevant Education and Experience
Paul Haggis Alberta, Canada	Yes	Yes	Mr. Haggis' was President and Chief Executive Officer of Ontario Municipal Employees Retirement System (OMERS) from September 2003 to March 2007, Interim Chief Executive Officer of the Public Sector Pension Investment Board (PSPIB) during 2003 and Executive Vice-President, Development and Chief Credit Officer of Manulife Financial in 2002. Mr. Haggis has extensive financial markets and public board experience and currently serves on the Board of Directors of Canadian Tire Bank and as a director and Chair of the Investment Committee of the Insurance Corporation of British Columbia. He is also Chair of the Audit Committee of C.A. Bancorp and Prime Restaurants Royalty Income Fund, a member of the Board of UBC Investment Management Inc. and a Chairman of Alberta Enterprise Corp. Mr. Haggis holds a Bachelor of Arts degree from the University of Western Ontario and is certified as a Chartered Director through the Directors College at McMaster University.
Stephen Balog Alberta, Canada	Yes	Yes	Mr. Balog is President of West Butte Management Inc. and a Principal of Alconsult International Ltd., both of which are private consulting companies that provide technical and business advisory services to oil and gas operators. Prior thereto, Mr. Balog was President and Chief Operating Officer and a director of Tasman Exploration Ltd. from 2001 to June,2007, and was a director of BelAir Energy Corporation, a junior public company. He served on the Petroleum Advisory Committee, Alberta Securities Commission from 2009-2011 and has a Bachelor of Science, Chemical Engineering.
Carol D. Pennycook Ontario, Canada	Yes	Yes	Ms. Pennycook is a partner at the Toronto offices of Davies Ward Phillips & Vineberg, LLP, a national law firm. Ms. Pennycook received her LLB in 1979 and has been a partner since 1986. A significant portion of Ms. Pennycook's practice involves financing transactions.

#### **Pre-Approval of Policies and Procedures**

We have adopted policies and procedures with respect to the pre-approval of audit and permitted non-audit services to be provided by PricewaterhouseCoopers LLP as set forth in item 22 of the Audit Committee charter, which is reproduced below under the heading "Audit Committee Charter". The Audit Committee has approved the provision of a specified list of audit and permitted non-audit services that the audit committee believes to be typical, reoccurring or otherwise likely to be provided by PricewaterhouseCoopers LLP during the current fiscal year. The list of services is sufficiently detailed as to the particular services to be provided to ensure that the audit committee knows precisely what services it is being asked to pre-approve and it is not necessary for any member of management to make a judgment as to whether a proposed service fits within pre-approved services.

# AUDIT COMMITTEE CHARTER

The following is a summary of our Audit Committee Charter which was originally approved by the AOG Board of Directors on April 30, 2002 and amended in April 2003, April 2004, June 2005, August 2005, October, 2005 and September, 2009:

#### **Purpose**

The primary function of the Audit Committee is to assist the Board of Directors of AOG in fulfilling its responsibilities by reviewing: the financial reports and other financial information provided by AOG to any governmental body or the public; AOG's systems of internal controls regarding finance, accounting, legal compliance and ethics that management and the Board have established; and AOG's auditing, accounting and financial reporting processes generally. Consistent with this function, the Audit Committee should endeavour to encourage continuous improvement of, and should endeavour to foster adherence to, AOG's policies, procedures and practices at all levels. In performing its duties, the external auditor is to report directly to the Audit Committee.

The Audit Committee's primary objectives are:

- 1. To assist directors meet their responsibilities (especially for accountability) in respect of the preparation and disclosure of the financial statements of AOG and related matters;
- 2. To provide better communication between directors and external auditors;
- 3. To assist the Board's oversight of the auditor's qualifications and independence;
- 4. To assist the Board's oversight of the credibility, integrity and objectivity of financial reports;
- 5. To strengthen the role of the outside directors by facilitating discussions between directors on the Audit Committee, management and external auditors;
- 6. To assist the Board's oversight of the performance of the Corporation's internal audit function and independent auditors; and
- 7. To assist the Board's oversight of the Corporation's compliance with legal and regulatory requirements.

#### Composition

The Audit Committee shall be comprised of three or more directors as determined by the Board of Directors, none of whom are members of management of AOG and all of whom are "independent" (as such term is defined in: (a) National Instrument 52-110 — *Audit Committees* ("NI 52-110"); and (b) Section 303A.02 of the Corporate Governance Rules of the New York Stock Exchange). All of the members of the Audit Committee shall be "financially literate". The Board of Directors has adopted the definition for "financial literacy" used in NI 52-110. Audit Committee members may enhance their familiarity with finance and accounting by participating in educational programs conducted by AOG or an outside consultant. In addition, at least one member of the Audit Committee must have accounting or related financial management expertise, as the Corporation's Board of Directors interprets such qualification in its business judgment.

The members of the Audit Committee shall be elected by the Board of Directors and remain as members of the Audit Committee until their successors shall be duly elected and qualified. Unless a Chair is elected by the full Board of Directors, the members of the Audit Committee may designate a Chair by majority vote of the full Audit Committee membership.

In connection with its annual review procedures, the Board will determine whether any member or proposed nominee for the Audit Committee serves on the Audit Committees of more than three public companies. To the extent that any member or proposed nominee of AOG serves on the Audit Committees of more than three public companies, the Board will make a determination as to whether such simultaneous services would impair the ability of such member to effectively serve on AOG's Audit Committee and will disclose such determination in AOG's annual information circular and annual report on Form 40-F filed with the Securities and Exchange Commission.

#### Meetings

The Audit Committee shall meet at least four times annually, or more frequently as circumstances dictate. As part of its job to foster open communication, the Audit Committee should meet at least annually with management, internal auditors and the independent auditors in separate executive sessions to discuss any matters that the Audit Committee or each of these groups believe should be discussed privately. In addition, the Audit Committee or at least its Chair should meet with the independent auditors and management quarterly to review AOG's financials consistent with Section IV.4 below. The Audit Committee should also meet with management and independent auditors on an annual basis to review and discuss annual financial statements and the management's discussion and analysis of financial conditions and results of operations.

A quorum for meetings of the Audit Committee shall be a majority of its members, and the rules for calling, holding, conducting and adjourning meetings of the Audit Committee shall be the same as those governing the Board.

#### **Responsibilities and Duties**

To fulfill its responsibilities and duties, the Audit Committee shall endeavour to:

# Documents/Reports Review

- 1. Review and update this Charter periodically, at least annually, as conditions dictate.
- 2. Review the organization's annual and interim financial statements, MD&A, earnings press releases and any reports or other financial information submitted to any governmental body or the public, including any certification, report, opinion or review rendered by the independent auditors.
- 3. Review the reports to management prepared by the independent auditors and management's responses.
- 4. Review with financial management and the independent auditors the quarterly financial statements prior to their filing or prior to the release of earnings. The Chair of the Audit Committee may represent the entire Audit Committee for purposes of this review.
- 5. Review significant findings during the year, including the status of previous significant audit recommendations.
- 6. Periodically assess the adequacy of procedures for the review of corporate disclosure that is derived or extracted from the financial statements.
- 7. Periodically discuss guidelines and policies to govern the processes by which the Chief Executive Officer and senior management assess and manage the Corporation's exposure to risk.
- 8. Report regularly to the Board any issues that arise with respect to the quality or integrity of the Corporation's financial statements, compliance with legal or regulatory requirements, performance and independence of the Corporation's auditors, or performance of the internal audit function.
- 9. To prepare, if required, an Audit Committee report to be included in AOG's annual information circular and proxy statement.
- 10. Preparing an annual performance evaluation of the Audit Committee.
- 11. At least annually, obtaining and reviewing the report by the independent auditors describing AOG's internal quality control procedures, any material issues raised by the most recent interim quality-control review, or peer review, of AOG or by any inquiry or investigation by governmental or professional authorities, within the preceding five years, respecting one or more independent audits carried out by the firm, and any steps to deal with any such issues.

#### **Independent Auditors**

- 12. Recommend to the Board the external auditors to be nominated for appointment by the Shareholders.
- 13. Approve the compensation of the external auditors.
- 14. On an annual basis, the Audit Committee should review and discuss with the auditors all significant relationships the auditors have with AOG to determine the auditors' independence. In addition, the Audit Committee will ensure the rotation of the lead audit partner every five years and, in order to ensure continuing auditor independence, consider the rotation of the audit firm itself.

- 15. Review and, as appropriate, resolve any material disagreements between management and the independent auditors and review, consider and make a recommendation to the Board regarding any proposed discharge of the auditors when circumstances warrant.
- When there is to be a change in auditors, review the issues related to the change and the information to be included in the required notice to securities regulators of such change.
- 17. Periodically consult with the independent auditors, without the presence of management, about internal controls and the fullness and accuracy of the organization's financial statements.
- 18. Oversee the establishment of an internal audit function.
- 19. Periodically assess the Corporation's internal audit function, including the Corporation's risk management processes and system of internal controls.
- 20. Review the audit scope and plan of the independent auditor.
- 21. Oversee the work of the external auditors engaged for the purpose of preparing or issuing an auditor's report or performing other audit, review or attest services for AOG.
- 22. Pre-approve the completion of any non-audit services by the external auditors and determine which non-audit services the external auditor is prohibited from providing. The Audit Committee may delegate to one or more members of the Audit Committee authority to pre-approve non-audit services in satisfaction of this requirement and if such delegation occurs, the pre-approval of non-audit services by the Audit Committee member to whom authority has been delegated must be presented to the Audit Committee at its first scheduled meeting following such pre-approval. The Audit Committee shall be entitled to adopt specific policies and procedures for the engagement of non-audit services if:
- (a) the pre-approval policies and procedures are detailed as to the particular service;
- (b) the Audit Committee is informed of each non-audit service; and
- (c) the procedures do not include delegation of the Audit Committee's responsibilities to management.
  - The Audit Committee will satisfy the pre-approval requirement set forth in this paragraph 22 if:
- (d) the aggregate amount of all non-audit services that were not pre-approved is reasonably expected to constitute no more than 5% of the total amount of fees paid by AOG and its subsidiary entities to the auditors during the fiscal year in which the services are provided;
- (e) AOG or the subsidiary entity, as the case may be, did not recognize the services as non-audit services at the time of the engagement;
- (f) the services are promptly brought to the attention of the Audit Committee and approved, prior to completion of the audit, by the Audit Committee or by one or more of its members to whom authority to grant such approvals has been delegated by the Audit Committee; and
- 23. Review, set and approve hiring policies relating to staff of current and former auditors.

#### Financial Reporting Processes

24. In consultation with the independent auditors, annually review the integrity of the organization's financial reporting processes, both internal and external.

- 25. In consultation with the independent auditors, consider annually the quality and appropriateness of the Corporation's accounting principles as applied in its financial reporting.
- 26. Consider and approve, if appropriate, major changes to AOG's auditing and accounting principles and practices as suggested by the independent auditors or management.
- 27. Review risk management policies and procedures of AOG (i.e., litigation and insurance).

#### **Process Improvement**

- 28. Request reporting to the Audit Committee by each of management and the independent auditors of any significant judgments made in the management's preparation of the financial statements and the view of each group as to appropriateness of such judgments.
- 29. Following completion of the annual audit, review separately with each of management and the independent auditors any significant difficulties encountered during the course of the audit, including any restrictions on the scope of work or access to required information.
- 30. Review any significant disagreements among management and the independent auditors in connection with the preparation of the financial statements.
- 31. Review with the independent auditors and management the extent to which changes or improvements in financial or accounting practices, as approved by the Audit Committee, have been implemented. (This review should be conducted at an appropriate time subsequent to implementation of changes or improvements, as decided by the Audit Committee.)
- 32. Conduct and authorize investigations into any matters brought to the Audit Committee's attention and within the Audit Committee's scope of responsibilities. The Audit Committee shall be empowered to retain and to approve compensation for any independent counsel and other professionals to assist in the conduct of any investigation.
- 33. Review the systems that identify and manage principal business risks.
- 34. Establish a procedure for:
- (a) the receipt, retention and treatment of complaints received by AOG regarding accounting, internal accounting controls or auditing matters; and
- (b) the confidential, anonymous submission by employees of AOG of concerns regarding questionable accounting or auditing matters;
  - which procedure shall be set forth in a "whistle blower program" to be adopted by the Audit Committee in connection with such matters.

#### Ethical and Legal Compliance

- 35. Establish, review and update periodically a Code of Ethical Conduct and ensure that management has established a system to enforce this code.
- 36. Review management's monitoring of AOG's compliance with the organization's Ethical Code.
- 37. In consultation with the auditors, consider the review system established by management regarding the Corporation's financial statements, reports and other financial information disseminated to governmental organizations and the public in the context of the applicable legal requirements.

- 38. On at least an annual basis, review with AOG's auditors or counsel, as appropriate, any legal matters that could have a significant impact on the organization's financial statements, AOG's compliance with applicable laws and regulations and inquiries received from regulators or government agencies.
- 39. Review with the organization's counsel legal compliance matters including the trading policies of securities.

#### Other

- 40. Perform any other activities consistent with this Charter, AOG's by-laws and governing law, as the Audit Committee or the Board of Directors deems necessary or appropriate.
- 41. In connection with the performance of its responsibilities as set forth above, the Audit Committee shall have the authority to engage outside advisors and to pay outside auditors and advisors.

#### **AUDIT SERVICE FEES**

#### **Auditor Services Fees**

The following table discloses fees billed to us by our auditors, PricewaterhouseCoopers LLP.

Type of Service Provided	2010	2011
Audit Fees Audit-Related Fees Tax Fees (these services included general tax consultations)	\$645,000 251,350 <sup>(1)</sup>	\$486,000 40,000

Note:

(1) Includes work related to prospectus for the Longview Transaction.

# **INDUSTRY CONDITIONS**

Companies operating in the oil and natural gas industry are subject to extensive regulation and control of operations (including land tenure, exploration, development, production, refining and upgrading, transportation, and marketing) as a result of legislation enacted by various levels of government and with respect to the pricing and taxation of oil and natural gas through agreements among the governments of Canada, Alberta and Saskatchewan, all of which should be carefully considered by investors in the oil and gas industry. It is not expected that any of these regulations or controls will affect the Corporation's operations in a manner materially different than they will affect other oil and natural gas companies of similar size. All current legislation is a matter of public record and the Corporation is unable to predict what additional legislation or amendments may be enacted. Outlined below are some of the principal aspects of legislation, regulations and agreements governing the oil and gas industry in western Canada.

# **Pricing and Marketing**

#### Oil

The producers of oil are entitled to negotiate sales contracts directly with oil purchasers, with the result that the market determines the price of oil. Oil prices are primarily based on worldwide supply and demand. The specific price depends in part on oil quality, prices of competing fuels, distance to market, value of refined products, the supply/demand balance and contractual terms of sale. Oil exporters are also entitled to enter into export contracts with terms not exceeding one year in the case of light crude oil and two years in the case of heavy crude oil, provided that an order approving such export has been obtained from the National Energy Board of Canada (the "NEB"). Any oil export to be made pursuant to a contract of longer duration (to a maximum of 25 years) requires an exporter to obtain an export licence from the NEB.

#### Natural Gas

The price of the vast majority of natural gas produced in western Canada is now determined through highly liquid market hubs such as the Alberta "NIT" (Nova Inventory Transfer) hub rather than through direct negotiation between buyers and sellers. Natural gas exported from Canada is subject to regulation by the NEB and the Government of Canada. Exporters are free to negotiate prices and other terms with purchasers, provided that the export contracts must continue to meet certain other criteria prescribed by the NEB and the Government of Canada. Natural gas (other than propane, butane and ethane) exports for a term of less than two years or for a term of two to 20 years (in quantities of not more than 30,000 m3/day) must be made pursuant to an NEB order. Any natural gas export to be made pursuant to a contract of longer duration (to a maximum of 25 years) or for a larger quantity requires an exporter to obtain an export licence from the NEB.

The governments of Alberta and Saskatchewan also regulate the volume of natural gas that may be removed from those provinces for consumption elsewhere based on such factors as reserve availability, transportation arrangements and market considerations.

#### **The North American Free Trade Agreement**

The North American Free Trade Agreement ("NAFTA") among the governments of Canada, the United States and Mexico became effective on January 1, 1994. In the context of energy resources, Canada continues to remain free to determine whether exports of energy resources to the United States or Mexico will be allowed, provided that any export restrictions do not: (i) reduce the proportion of energy resources exported relative to the total supply of goods of the party maintaining the restriction as compared to the proportion prevailing in the most recent 36 month period; (ii) impose an export price higher than the domestic price (subject to an exception with respect to certain measures which only restrict the volume of exports); and (iii) disrupt normal channels of supply. All three signatory countries are prohibited from imposing a minimum or maximum export price requirement in any circumstance where any other form of quantitative restriction is prohibited. The signatory countries are also prohibited from imposing a minimum or maximum import price requirement except as permitted in enforcement of countervailing and antidumping orders and undertakings. NAFTA requires energy regulators to ensure the orderly and equitable implementation of any regulatory changes and to ensure that the application of those changes will cause minimal disruption to contractual arrangements and avoid undue interference with pricing, marketing and distribution arrangements, all of which are important for Canadian oil and natural gas exports.

# **Royalties and Incentives**

#### General

In addition to federal regulation, each province has legislation and regulations which govern royalties, production rates and other matters. The royalty regime in a given province is a significant factor in the profitability of oil sands projects, crude oil, natural gas liquids, sulphur and natural gas production. Royalties payable on production from lands other than Crown lands are determined by negotiation between the mineral freehold owner and the lessee, although production from such lands is subject to certain provincial taxes and royalties. Royalties from production on Crown lands are determined by governmental regulation and are generally calculated as a percentage of the value of gross production. The rate of royalties payable generally depends in part on prescribed reference prices, well productivity, geographical location, field discovery date, method of recovery and the type or quality of the petroleum product produced. Other royalties and royalty like interests are, from time to time, carved out of the working interest owner's interest through non public transactions. These are often referred to as overriding royalties, gross overriding royalties, net profits interests, or net carried interests.

Occasionally the governments of the western Canadian provinces create incentive programs for exploration and development. Such programs often provide for royalty rate reductions, royalty holidays or royalty tax credits and are generally introduced when commodity prices are low to encourage exploration and development activity by improving earnings and cash flow within the industry.

#### Alberta

Producers of oil and natural gas from Crown lands in Alberta are required to pay annual rental payments, currently at a rate of \$3.50 per hectare, and make monthly royalty payments in respect of oil and natural gas produced.

Royalties are currently paid pursuant to "The New Royalty Framework" (implemented by the *Mines and Minerals (New Royalty Framework) Amendment Act, 2008)* and the "Alberta Royalty Framework", which was implemented in 2010.

Royalty rates for conventional oil are set by a single sliding rate formula which is applied monthly and incorporates separate variables to account for production rates and market prices. Effective January 1, 2011, the maximum royalty payable under the royalty regime was set at 40%. The royalty curve for conventional oil announced on May 27, 2010 amends the price component of the conventional oil royalty formula to moderate the increase in the royalty rate at prices higher than \$535/m3 compared to the previous royalty curve.

Royalty rates for natural gas under the royalty regime are similarly determined using a single sliding rate formula incorporating separate variables to account for production rates and market prices. Effective January 1, 2011, the maximum royalty payable under the royalty regime was set at 36%. The royalty curve for natural gas announced on May 27, 2010 amends the price component of the natural gas royalty formula to moderate the increase in the royalty rate at prices higher than \$5.25/GJ compared to the previous royalty curve.

Oil sands projects are also subject to the Alberta's royalty regime. Prior to payout of an oil sands project, the royalty is payable on gross revenues of an oil sands project. Gross revenue royalty rates range between 1-9% depending on the market price of oil, determined using the average monthly price, expressed in Canadian dollars, for WTI crude oil and Cushing, Oklahoma: rates are 1% when the market price of oil is less than or equal to \$55 per barrel and increase for every dollar of market price of oil increase to a maximum of 9% when oil is priced at \$120 or higher. After payout, the royalty payable is the greater of the gross revenue royalty based on the gross revenue royalty rate of 1-9% and the net revenue royalty based on the net revenue royalty rate. Net revenue royalty rates start at 25% and increase for every dollar of market price of oil increase above \$55 up to 40% when oil is priced at \$120 or higher. In addition, concurrently with the implementation of the New Royalty Framework, the Government of Alberta renegotiated existing contracts with certain oil sands producers that were not compatible with the current royalty regime.

Producers of oil and natural gas from freehold lands in Alberta are required to pay annual freehold production taxes. The level of the freehold production tax is based on the volume of monthly production and a specified rate of tax for both oil and gas.

The Innovative Energy Technologies Program (the "**IETP**"), which is currently in place, has the stated objectives of increasing recovery from oil and gas deposits, finding technical solutions to the gas over bitumen issue, improving the recovery of bitumen by in-situ and mining techniques and improving the recovery of natural gas from coal seams. The IETP provides royalty adjustments to specific pilot and demonstration projects that utilize new or innovative technologies to increase recovery from existing reserves.

The Government of Alberta currently has in place two royalty programs, both of which commenced in 2008 and are intended to encourage the development of deeper, higher cost oil and gas reserves. A five-year program for conventional oil exploration wells over 2,000 metres provides qualifying wells with up to a \$1 million or 12 months of royalty relief, whichever comes first, and a five-year program for natural gas wells deeper than 2,500 metres provides a sliding scale royalty credit based on depth of up to \$3,750 per metre. On May 27, 2010, the natural gas deep drilling program was amended, retroactive to May 1, 2010, by reducing the minimum qualifying depth to 2,000 metres, removing a supplemental benefit of \$875,000 for wells exceeding 4,000 metres that are spudded subsequent to that date, and including wells drilled into pools drilled prior to 1985, among other changes.

On November 19, 2008, the Government of Alberta announced the introduction of a five-year program of transitional royalty rates with the intent of promoting new drilling. The five-year transition option is designed to provide lower royalties at certain price levels in the initial years of a well's life when production rates are expected to be the highest. Under this program, companies drilling new natural gas or conventional deep oil wells (between

1,000 and 3,500 m) are given a one-time option, on a well-by-well basis, to adopt either the new transitional royalty rates or those outlined in the royalty regime. These options expired on February 15, 2011 and on January 1, 2014, all producers operating under the transitional royalty rates will automatically become subject to the royalty regime. The revised royalty curves for conventional oil and natural gas will not be applied to production from wells operating under the transitional royalty rates.

On March 3, 2009, the Government of Alberta announced a three-point incentive program in order to stimulate new and continued economic activity in Alberta. One aspect of the program was a drilling royalty credit program which provided up to a \$200 per metre royalty credit for new wells. The drilling credit program applied to wells that were drilled between April 1, 2009 and March 31, 2010 and has not been extended for wells drilled after March 31, 2010. Another aspect of the program was a new well royalty program which provided for a maximum 5% royalty rate for eligible new wells for the first twelve (12) productive months or until the regulated "volume cap" was reached. The *New Well Royalty Regulation*, providing for the permanent implementation of this incentive program, was approved by an Order-in-Council on March 17, 2011.

In addition to the foregoing, the Government of Alberta has implemented certain initiatives intended to accelerate technological development and facilitate the development of unconventional resources (the "Emerging Resource and Technologies Initiative"). Specifically:

- Coalbed methane wells will receive a maximum royalty rate of 5% for 36 producing months on up to 750 MMcf of production, retroactive to wells that began producing on or after May 1, 2010;
- Shale gas wells will receive a maximum royalty rate of 5% for 36 producing months with no limitation on production volume, retroactive to wells that began producing on or after May 1, 2010;
- Horizontal gas wells will receive a maximum royalty rate of 5% for 18 producing months on up to 500 MMcf of production, retroactive to wells that commenced drilling on or after May 1, 2010; and
- Horizontal oil wells and horizontal non-project oil sands wells will receive a maximum royalty rate of 5% with volume and production month limits set according to the depth of the well (including the horizontal distance), retroactive to wells that commenced drilling on or after May 1, 2010.

The Emerging Resource and Technologies Initiative will be reviewed in 2014, and the Government of Alberta has committed to providing industry with three years notice at that time if it decides to discontinue the program.

#### Saskatchewan

In Saskatchewan, the amount payable as Crown royalty or freehold production tax in respect of oil depends on the type and vintage of oil, the quantity of oil produced in a month, the value of the oil produced and specified adjustment factors determined monthly by the provincial government. For Crown royalty and freehold production tax purposes, conventional oil is classified as "heavy oil", "southwest designated oil" or "non heavy oil other than southwest designated oil". The conventional royalty and production tax classifications ("fourth tier oil", "third tier oil", "new oil" and "old oil") depend on the finished drilling date of a well and are applied to each of the three crude oil types slightly differently. Heavy oil is classified as third tier oil (having a finished drilling date on or after January 1, 1994 and before October 1, 2004), fourth tier oil (having a finished drilling date on or after October 1, 2002) or new oil (not classified as either third tier oil or fourth tier oil). Southwest designated oil uses the same definitions of third and fourth tier oil but new oil is defined as conventional oil produced from a horizontal well having a finished drilling date on or after February 9, 1998 and before October 1, 2002. For non-heavy oil other than southwest designated oil, the same classification is used but new oil is defined as conventional oil produced from a vertical well completed after 1973 and having a finished drilling date prior to 1994, whereas old oil is defined as conventional oil not classified as third or fourth tier oil or new oil.

Base prices are used to establish lower limits in the price-sensitive royalty structure for conventional oil. Where average wellhead prices are below the established base prices of \$100 per m3 for third and fourth tier oil and \$50 per m3 for new oil and old oil, base royalty rates are applied. Base royalty rates are 5% for all fourth tier oil, 10% for heavy oil that is third tier oil or new oil, 12.5% for southwest designated oil that is third tier oil or new oil, 15% for non heavy oil other than southwest designated oil that is third tier or new oil, and 20% for old oil. Where average

wellhead prices are above base prices, marginal royalty rates are applied to the proportion of production that is above the base oil price. Marginal royalty rates are 30% for all fourth tier oil, 25% for heavy oil that is third tier oil or new oil, 35% for southwest designated oil that is third tier oil or new oil, 35% for non heavy oil other than southwest designated oil that is third tier or new oil, and 45% for old oil.

The amount payable as Crown royalty or freehold production tax in respect of natural gas production is determined by a sliding scale based on the actual price received, the quantity produced in a given month, the type of natural gas, and the vintage of the natural gas. Like conventional oil, natural gas may be classified as "non-associated gas" or "associated gas" and royalty rates are determined according to the finished drilling date of the respective well. As an incentive for the production and marketing of natural gas which may have been flared, the royalty rate on natural gas produced in association with oil is less than on non associated natural gas. Non-associated gas is classified as new gas (having a finished drilling date before February 9, 1998 with a first production date on or after October 1, 1976), third tier gas (having a finished drilling date on or after February 9, 1998 and before October 1, 2002), fourth tier gas (having a finished drilling date on or after October 1, 2002) and old gas (not classified as either third tier, fourth tier or new gas). A similar classification is used for associated gas except that the classification of old gas is not used, the definition of fourth tier gas also includes production from oil wells with a finished drilling date prior to October 1, 2002, where the individual oil well has a gas-oil production ratio in any month of more than 3,500 m3 of gas for every m3 of oil, and new gas is defined as oil produced from a well with a finished drilling date before February 9, 1998 that received special approval, prior to October 1, 2002, to produce oil and gas concurrently without gas-oil ratio penalties.

On December 9, 2010, the Government of Saskatchewan enacted the *Freehold Oil and Gas Production Tax Act*, 2010 replacing the existing *Freehold Oil and Gas Production Tax Act* with the intention to facilitate more efficient payment of freehold production taxes by industry. No regulations have been passed with respect to the calculation of freehold production taxes under the new legislation, although several regulations remain in force under the previous legislation.

As with conventional oil production, base prices are used to establish lower limits in the price-sensitive royalty structure for natural gas. Where average field-gate prices are below the established base prices of \$50 per thousand m3 for third and fourth tier gas and \$35 per thousand m3 for new gas and old gas, base royalty rates are applied. Base royalty rates are 5% for all fourth tier gas, 15% for third tier or new gas, and 20% for old gas. Where average well-head prices are above base prices, marginal royalty rates are applied to the proportion of production that is above the base gas price. Marginal royalty rates are 30% for all fourth tier gas, 35% for third tier and new gas, and 45% for old gas.

The Government of Saskatchewan currently provides a number of targeted incentive programs. These include both royalty reduction and incentive volume programs, including the following:

- Royalty/Tax Incentive Volumes for Vertical Oil Wells Drilled on or after October 1, 2002 providing reduced Crown royalty and freehold tax rates on incentive volumes of 8,000 m3 for deep development vertical oil wells, 4,000 m3 for non-deep exploratory vertical oil wells and 16,000 m3 for deep exploratory vertical oil wells (more than 1,700 metres or within certain formations);
- Royalty/Tax Incentive Volumes for Exploratory Gas Wells Drilled on or after October 1, 2002 providing reduced Crown royalty and freehold tax rates on incentive volumes of 25,000,000 m3 for qualifying exploratory gas wells;
- Royalty/Tax Incentive Volumes for Horizontal Oil Wells Drilled on or after October 1, 2002 providing reduced Crown royalty and freehold tax rates on incentive volumes of 6,000 m3 for non-deep horizontal oil wells and 16,000 m3 for deep horizontal oil wells (more than 1,700 metres or within certain formations);
- Royalty/Tax Incentive Volumes for Horizontal Gas Wells drilled on or after June 1, 2010 and before April 1, 2013 providing reduced Crown royalty and freehold tax rates on incentive volumes of 25,000,000 m3 for horizontal gas wells;

- Royalty/Tax Regime for Incremental Oil Produced from New or Expanded Waterflood Projects Implemented on or after October 1, 2002 treating incremental production from waterflood projects as fourth tier oil for the purposes of royalty calculation;
- Royalty/Tax Regime for Enhanced Oil Recovery Projects (Excluding Waterflood Projects) Commencing prior to April 1, 2005 providing Crown royalty and freehold tax determinations based in part on the profitability of enhanced recovery projects pre- and post-payout;
- Royalty/Tax Regime for Enhanced Oil Recovery Projects (Excluding Waterflood Projects) Commencing on or after April 1, 2005 providing a Crown royalty of 1% of gross revenues on enhanced oil recovery projects pre-payout and 20% post-payout and a freehold production tax of 0% on operating income from enhanced oil recovery projects pre-payout and 8% post-payout; and
- Royalty/Tax Regime for High Water-Cut Oil Wells granting "third tier oil" royalty/tax rates to incremental
  high water-cut oil production resulting from qualifying investments made to rejuvenate eligible oil wells
  and/or associated facilities.

In 1975, the Government of Saskatchewan introduced a Royalty Tax Rebate ("RTR") as a response to the Government of Canada disallowing crown royalties and similar taxes as a deductible business expense for income tax purposes. As of January 1, 2007, the remaining balance of any unused RTR will be limited in its carry forward to seven years since the Government of Canada's initiative to reintroduce the full deduction of provincial resource royalties from federal and provincial taxable income. Saskatchewan's RTR will be wound down as a result of the Government of Canada's plan to reintroduce full deductibility of provincial resource royalties for corporate income tax purposes.

On June 22, 2011, the Government of Saskatchewan released the Upstream Petroleum Industry Associated Gas Conservation Standards which are designed to reduce emissions resulting for the flaring and venting of associated gas (the "Associated Natural Gas Standards"). The Associated Natural Gas Standards were jointly developed with industry and the implementation of such standards is set to commence on July 1, 2012 for new wells and facilities licensed on or after such date, and to apply to existing licensed wells and facilities on July 1, 2015.

#### **Land Tenure**

Crude oil and natural gas located in the western provinces is owned predominantly by the respective provincial governments. Provincial governments grant rights to explore for and produce oil and natural gas pursuant to leases, licences, and permits for varying terms, and on conditions set forth in provincial legislation including requirements to perform specific work or make payments. Oil and natural gas located in such provinces can also be privately owned and rights to explore for and produce such oil and natural gas are granted by lease on such terms and conditions as may be negotiated.

Each of the provinces of Alberta and Saskatchewan has implemented legislation providing for the reversion to the Crown of mineral rights to deep, non-productive geological formations at the conclusion of the primary term of a lease or license.

Alberta also has a policy of "shallow rights reversion" which provides for the reversion to the Crown of mineral rights to shallow, non-productive geological formations for all leases and licenses. For leases and licenses issued subsequent to January 1, 2009, shallow rights reversion will be applied at the conclusion of the primary term of the lease or license. Holders of leases or licences that have been continued indefinitely prior to January 1, 2009 will receive a notice regarding the reversion of the shallow rights, which will be implemented three years from the date of the notice. Leases and licences that were granted prior to January 1, 2009 but continued after that date are not subject to shallow rights reversion until they reach the end of their primary term and are continued (at which time deep rights reversion will be applied); thereafter, the holders of such agreements will be served with shallow rights reversion notices based on vintage and location similar to leases and licences that were already continued as of January 1, 2009. The order in which these agreements will receive reversion notices will depend on their vintage and location, and the Government of Alberta had anticipated that the receipt of reversion notices for older leases and

licenses would commence in April 2011. However, on April 14, 2011, the Government of Alberta announced it was deferring serving shallow rights reversion notices and will revisit the decision in spring 2012.

# **Environmental Regulation**

The oil and natural gas industry is currently subject to environmental regulations pursuant to a variety of provincial and federal legislation, all of which is subject to governmental review and revision from time to time. Such legislation provides for restrictions and prohibitions on the release or emission of various substances produced in association with certain oil and gas industry operations, such as sulphur dioxide and nitrous oxide. In addition, such legislation requires that well and facility sites be abandoned and reclaimed to the satisfaction of provincial authorities. Compliance with such legislation can require significant expenditures and a breach of such requirements may result in suspension or revocation of necessary licenses and authorizations, civil liability for pollution damage, and the imposition of material fines and penalties.

In December, 2008, the Government of Alberta released a new land use policy for surface land in Alberta, the Alberta Land Use Framework (the "ALUF"). The ALUF sets out an approach to manage public and private land use and natural resource development in a manner that is consistent with the long-term economic, environmental and social goals of the province. It calls for the development of region-specific land use plans in order to manage the combined impacts of existing and future land use within a specific region and the incorporation of a cumulative effects management approach into such plans.

The Alberta Land Stewardship Act (the "ALSA") was proclaimed in force in Alberta on October 1, 2009 and provides the legislative authority for the Government of Alberta to implement the policies contained in the ALUF. Regional plans established pursuant to the ALSA will be deemed to be legislative instruments equivalent to regulations and will be binding on the Government of Alberta and provincial regulators, including those governing the oil and gas industry. In the event of a conflict or inconsistency between a regional plan and another regulation, regulatory instrument or statutory consent, the regional plan will prevail. Further, the ALSA requires local governments, provincial departments, agencies and administrative bodies or tribunals to review their regulatory instruments and make any appropriate changes to ensure that they comply with an adopted regional plan. The ALSA also contemplates the amendment or extinguishment of previously issued statutory consents such as regulatory permits, leases, licenses, approvals and authorizations for the purpose of achieving or maintaining an objective or policy resulting from the implementation of a regional plan. Among the measures to support the goals of the regional plans contained in the ALSA are conservation easements, which can be granted for the protection, conservation and enhancement of land; and conservation directives, which are explicit declarations contained in a regional plan to set aside specified lands in order to protect, conserve, manage and enhance the environment.

On August 29, 2011 the Government of Alberta released a revised draft of the Lower Athabasca Regional Plan (the "Revised LARP") updating its prior draft of April 5, 2011 (the "Draft LARP"). The Revised LARP, while establishing several conservation areas of the Athabasca region, has changed the boundaries of certain conservation areas outlined in the Draft LARP with the result that fewer oil sands leases appear to be impacted. Consistent with the Draft LARP, as the intention of the Revised LARP is to manage the areas to minimize or prevent new land disturbance, activities associated with oil sands development are considered incompatible with the intent to manage such conservation areas. However, references to the cancellation of existing tenures have been removed from the Revised LARP and the Revised LARP now contemplates that the conservation areas will be created pursuant to existing legislation rather than the previously contemplated regulations. Existing conventional petroleum and natural gas rights will not be affected, although the Revised LARP raises some question as to whether new conventional leases and licenses will be granted in the conservation areas in the future. The planning process is also underway for a regional plan for the South Saskatchewan Region.

#### **Climate Change Regulation**

# Federal

In December 2002, the Government of Canada ratified the Kyoto Protocol ("**Kyoto Protocol**"), which requires a reduction in greenhouse gas ("**GHG**") emissions by signatory countries between 2008 and 2012. The Kyoto

Protocol officially came into force on February 16, 2005 although on December 12, 2011 Canada formally withdrew from the Kyoto Protocol.

On April 26, 2007, the Government of Canada released "Turning the Corner: An Action Plan to Reduce Greenhouse Gases and Air Pollution" (the "Action Plan") which set forth a plan for regulations to address both GHGs and air pollution. An update to the Action Plan, "Turning the Corner: Regulatory Framework for Industrial Greenhouse Gas Emissions" was released on March 10, 2008 (the "Updated Action Plan"). The Updated Action Plan outlines emissions intensity-based targets which will be applied to regulated sectors on either a facility-specific, sector-wide or company-by-company basis. Facility-specific targets apply to the upstream oil and gas, oil sands, petroleum refining and natural gas pipelines sectors. Unless a minimum regulatory threshold applies, all facilities within a regulated sector will be subject to the emissions intensity targets.

The Updated Action Plan makes a distinction between "Existing Facilities" and "New Facilities". For Existing Facilities, the Updated Action Plan requires an emissions intensity reduction of 18% below 2006 levels by 2010 followed by a continuous annual emissions intensity improvement of 2%. "New Facilities" are defined as facilities beginning operations in 2004 and include both greenfield facilities and major facility expansions that (i) result in a 25% or greater increase in a facility's physical capacity, or (ii) involve significant changes to the processes of the facility. New Facilities will be given a 3-year grace period during which no emissions intensity reductions will be required. Targets requiring an annual 2% emissions intensity reduction will begin to apply in the fourth year of commercial operation of a New Facility. Further, emissions intensity targets for New Facilities will be based on a cleaner fuel standard to encourage continuous emissions intensity reductions over time. The method of applying this cleaner fuel standard has not yet been determined. In addition, the Updated Action Plan indicates that targets for the adoption of carbon capture and storage ("CCS") technologies will be developed for oil sands in-situ facilities, upgraders and coal-fired power generators that begin operations in 2012 or later. These targets will become operational in 2018, although the exact nature of the targets has not yet been determined.

Given the large number of small facilities within the upstream oil and gas and natural gas pipeline sectors, facilities within these sectors will only be subject to emissions intensity targets if they meet certain minimum emissions thresholds. That threshold will be (i) 50,000 tonnes of CO2 equivalents per facility per year for natural gas pipelines; (ii) 3,000 tonnes of CO2 equivalents per facility per year for the upstream oil and gas facility; and (iii) 10,000 boe/d/company. These regulatory thresholds are significantly lower than the regulatory threshold in force in Alberta, discussed below. In all other sectors governed by the Updated Action Plan, all facilities will be subject to regulation.

Four separate compliance mechanisms are provided for in the Updated Action Plan in respect of the above targets:

- (a) Regulated entities will be able to use Technology Fund contributions to meet their emissions intensity targets. The contribution rate for Technology Fund contributions will increase over time, beginning at \$15 per tonne of CO2 equivalent for the 2010 to 2012 period, rising to \$20 in 2013, and thereafter increasing at the nominal rate of GDP growth. Maximum contribution limits will also decline from 70% in 2010 to 0% in 2018. Monies raised through contributions to the Technology Fund will be used to invest in technology to reduce GHG emissions. Alternatively, regulated entities may be able to receive credits for investing in large-scale and transformative projects at the same contribution rate and under similar requirements as described above.
- (b) The offset system is intended to encourage emissions reductions from activities outside of the regulated sphere, allowing non-regulated entities to participate in and benefit from emissions reduction activities. In order to generate offset credits, project proponents must propose and receive approval for emissions reduction activities that will be verified before offset credits will be issued to the project proponent. Those credits can then be sold to regulated entities for use in compliance or non-regulated purchasers that wish to either purchase the offset credits for cancellation or banking for future use or sale.
- (c) Under the Updated Action Plan, regulated entities were able to purchase credits created through the Clean Development Mechanism of the Kyoto Protocol which facilitates investment by developed nations in emissions-reduction projects in developing countries. The purchase of such Emissions Reduction Credits will be restricted to 10% of each firm's regulatory obligation, with the added restriction that credits

generated through forest sink projects will not be available for use in complying with the Canadian regulations. However, with the recent withdrawal from the Kyoto Protocol, the future use of this mechanism may not occur.

(d) Finally, a one-time credit of up to 15 million tonnes worth of emissions credits will be awarded to regulated entities for emissions reduction activities undertaken between 1992 and 2006. These credits will be both tradable and bankable.

From December 7 to 18, 2009, government leaders and representatives met in Copenhagen, Denmark and agreed to the Copenhagen Accord, which reinforces the commitment to reducing GHG emissions contained in the Kyoto Protocol and promises funding to help developing countries mitigate and adapt to climate change. Another meeting of government leaders and representatives in 2010 resulted in the Cancun Agreements wherein developed countries committed to additional measures to help developing countries deal with climate change. Neither the Copenhagen Accord nor the Cancun Agreements establish binding GHG emissions reduction targets. In response to the Copenhagen Accord, the Government of Canada indicated that it will seek to achieve a 17% reduction in GHG emissions from 2005 levels by 2020.

Although draft regulations for the implementation of the Updated Action Plan were intended to become binding on January 1, 2010, only draft regulations pertaining to carbon dioxide emissions from coal-fired generation of electricity have been proposed to date. Further, representatives of the Government of Canada have indicated that the proposals contained in the Updated Action Plan will be modified to ensure consistency with the direction ultimately taken by the United States with respect to GHG emissions regulation. As a result, it is unclear to what extent, if any; the proposals contained in the Updated Action Plan will be implemented.

The United States Environmental Protection Agency (the "**EPA**") has indicated its intention to impose GHG emissions standards for fossil fuel-fired power plants by specifying that it will issue final regulations by May 26, 2012, and with respect to refineries, specifying that it will issue proposed regulations by December 10, 2011 and finalized regulations by November 10, 2012. The EPA did not meet the December 10, 2011 deadline and it is unclear whether the EPA will also miss the finalized regulations deadline.

# Alberta

Alberta enacted the *Climate Change and Emissions Management Act* (the "**CCEMA**") on December 4, 2003, amending it through the *Climate Change and Emissions Management Amendment Act* which received royal assent on November 4, 2008. The CCEMA is based on an emissions intensity approach similar to the Updated Action Plan and aims for a 50% reduction from 1990 emissions relative to GDP by 2020.

Alberta facilities emitting more than 100,000 tonnes of GHGs a year are subject to compliance with the CCEMA. Similar to the Updated Action Plan, the CCEMA and the associated *Specified Gas Emitters Regulation* make a distinction between "Established Facilities" and "New Facilities". Established Facilities are defined as facilities that completed their first year of commercial operation prior to January 1, 2000 or that have completed eight or more years of commercial operation. Established Facilities are required to reduce their emissions intensity to 88% of their baseline for 2008 and subsequent years, with their baseline being established by the average of the ratio of the total annual emissions to production for the years 2003 to 2005. New Facilities are defined as facilities that completed their first year of commercial operation on December 31, 2000, or a subsequent year, and have completed less than eight years of commercial operation, or are designated as New Facilities in accordance with the *Specified Gas Emitters Regulation*. New Facilities are required to reduce their emissions intensity by 2% from baseline in the fourth year of commercial operation, 4% of baseline in the fifth year, 6% of baseline in the sixth year, 8% of baseline in the seventh year, and 10% of baseline in the eighth year. Unlike the Updated Action Plan, the CCEMA does not contain any provision for continuous annual improvements in emissions intensity reductions beyond those stated above.

The CCEMA contains compliance mechanisms that are similar to the Updated Action Plan. Regulated emitters can meet their emissions intensity targets by contributing to the Climate Change and Emissions Management Fund (the "Fund") at a rate of \$15 per tonne of CO2 equivalent. Unlike the Updated Action Plan, CCEMA contains no provisions for an increase to this contribution rate. Emissions credits can be purchased from regulated emitters that

have reduced their emissions below the 100,000 tonne threshold or non-regulated emitters that have generated emissions offsets through activities that result in emissions reductions in accordance with established protocols published by the Government of Alberta.

On December 2, 2010, the Government of Alberta passed the *Carbon Capture and Storage Statutes Amendment Act*, 2010, which deemed the pore space underlying all land in Alberta to be, and to have always been, the property of the Crown and provided for the assumption of long-term liability for carbon sequestration projects by the Crown, subject to the satisfaction of certain conditions.

Advantage does not have a working interest in any facility that is expected to exceed emissions thresholds.

#### Saskatchewan

On May 11, 2009, the Government of Saskatchewan announced *The Management and Reduction of Greenhouse Gases Act* (the "MRGGA") to regulate GHG emissions in the province. The MRGGA received Royal Assent on May 20, 2010 and will come into force on proclamation. Regulations under the MRGGA have also yet to be proclaimed, but draft versions indicate that Saskatchewan will adopt the goal of a 20% reduction in GHG emissions from 2006 levels by 2020 and permit the use of pre-certified investment credits, early action credits and emissions offsets in compliance, similar to both the federal and Alberta climate change initiatives. It remains unclear whether the scheme implemented by the MRGGA will be based on emissions intensity or an absolute cap on emissions.

#### RISK FACTORS

The following is a summary of certain risk factors relating to the business of AOG. The following information is a summary only of certain risk factors and is qualified in its entirety by reference to, and must be read in conjunction with, the detailed information appearing elsewhere in this annual information form.

Investors should carefully consider the risk factors set out below and consider all other information contained herein and in the Corporation's other public filings before making an investment decision.

#### **Prices, Markets and Marketing**

The marketability and price of oil and natural gas that may be acquired or discovered by the Corporation is and will continue to be affected by numerous factors beyond its control. The Corporation's ability to market its oil and natural gas may depend upon its ability to acquire space on pipelines that deliver natural gas to commercial markets. The Corporation may also be affected by deliverability uncertainties related to the proximity of its reserves to pipelines and processing and storage facilities and operational problems affecting such pipelines and facilities as well as extensive government regulation relating to price, taxes, royalties, land tenure, allowable production, the export of oil and natural gas and many other aspects of the oil and natural gas business.

The prices of oil and natural gas prices may be volatile and subject to fluctuation. Any material decline in prices could result in a reduction of the Corporation's net production revenue. The economics of producing from some wells may change as a result of lower prices, which could result in reduced production of oil or natural gas and a reduction in the volumes of the Corporation's reserves. The Corporation might also elect not to produce from certain wells at lower prices. All of these factors could result in a material decrease in the Corporation's expected net production revenue and a reduction in its oil and natural gas acquisition, development and exploration activities. Prices for oil and natural gas are subject to large fluctuations in response to relatively minor changes in the supply of and demand for oil and natural gas, market uncertainty and a variety of additional factors beyond the control of the Corporation. These factors include economic conditions in the United States, Canada and Europe, the actions of Organization of the Petroleum Exporting Countries ("OPEC"), governmental regulation, political stability in the Middle East, Northern Africa and elsewhere, the foreign supply of oil and natural gas, risks of supply disruption, the price of foreign imports and the availability of alternative fuel sources. Any substantial and extended decline in the price of oil and natural gas would have an adverse effect on the Corporation's carrying value of its reserves, borrowing capacity, revenues, profitability and cash flows from operations and may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects.

Oil and natural gas prices are expected to remain volatile for the near future as a result of market uncertainties over the supply and the demand of these commodities due to the current state of the world economies, OPEC actions, and sanctions imposed on certain oil producing nations by other countries and the ongoing credit and liquidity concerns. Volatile oil and natural gas prices make it difficult to estimate the value of producing properties for acquisitions and often cause disruption in the market for oil and natural gas producing properties, as buyers and sellers have difficulty agreeing on such value. Price volatility also makes it difficult to budget for and project the return on acquisitions and development and exploitation projects.

In addition, bank borrowings available to the Corporation may, in part, be determined by the Corporation's borrowing base. A sustained material decline in prices from historical average prices could reduce the Corporation's borrowing base, therefore reducing the bank credit available to the Corporation which could require that a portion, or all, of the Corporation's bank debt be repaid.

# **Exploration, Development and Production Risks**

Oil and natural gas operations involve many risks that even a combination of experience, knowledge and careful evaluation may not be able to overcome. The long term commercial success of the Corporation depends on its ability to find, acquire, develop and commercially produce oil and natural gas reserves. Without the continual addition of new reserves, any existing reserves the Corporation may have at any particular time, and the production therefrom will decline over time as such existing reserves are exploited. A future increase in the Corporation's reserves will depend not only on its ability to explore and develop any properties it may have from time to time, but also on its ability to select and acquire suitable producing properties or prospects. No assurance can be given that the Corporation will be able to continue to locate satisfactory properties for acquisition or participation therein. Moreover, if such acquisitions or participations are identified, management of the Corporation may determine that current markets, terms of acquisition and participation or pricing conditions make such acquisitions or participations uneconomic. There is no assurance that further commercial quantities of oil and natural gas will be discovered or acquired by the Corporation.

Future oil and natural gas exploration may involve unprofitable efforts, not only from dry wells, but also from wells that are productive but do not produce sufficient petroleum substances to return a profit after drilling, completing (including hydraulic fracturing), operating and other costs. Completion of a well does not assure a profit on the investment or recovery of drilling, completion and operating costs. Drilling hazards or environmental damage could greatly increase the cost of operations, and various field operating conditions may adversely affect the production from successful wells. These conditions include delays in obtaining governmental approvals or consents, shut ins of connected wells resulting from extreme weather conditions, insufficient storage or transportation capacity or other geological and mechanical conditions. While diligent well supervision and effective maintenance operations can contribute to maximizing production rates over time, production delays and declines from normal field operating conditions cannot be eliminated and can be expected to adversely affect revenue and cash flow levels to varying degrees.

Oil and natural gas exploration, development and production operations are subject to all the risks and hazards typically associated with such operations, including fire, explosion, blowouts, cratering, sour gas releases, spills or other environmental hazards, each of which could result in substantial damage to oil and natural gas wells, production facilities, other property and the environment or personal injury. In particular, the Corporation may explore for and produce sour natural gas in certain areas. An unintentional leak of sour natural gas could result in personal injury, loss of life or damage to property and may necessitate an evacuation of populated areas, all of which could result in liability to the Corporation. Oil and natural gas production operations are also subject to all the risks typically associated with such operations, including encountering unexpected formations or pressures, premature decline of reservoirs and the invasion of water into producing formations. Losses resulting from the occurrence of any of these risks may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. In accordance with industry practice, the Corporation is not fully insured against all risks, nor are all risks insurable. Although the Corporation maintains liability insurance in an amount that it considers consistent with industry practice, the nature of certain risks is such that liabilities could exceed policy limits or not be covered, in either event the Corporation could incur significant costs.

#### **Reserve Estimates**

There are numerous uncertainties inherent in estimating quantities of oil, natural gas and natural gas liquids reserves and the future cash flows attributed to such reserves. The reserve and associated cash flow information set forth herein are estimates only. In general, estimates of economically recoverable oil and natural gas reserves and the future net cash flows therefrom are based upon a number of variable factors and assumptions, such as historical production from the properties, production rates, ultimate reserve recovery, timing and amount of capital expenditures, marketability of oil and natural gas, royalty rates, the assumed effects of regulation by governmental agencies and future operating costs, all of which may vary materially from actual results. For those reasons, estimates of the economically recoverable oil and natural gas reserves attributable to any particular group of properties, classification of such reserves based on risk of recovery and estimates of future net revenues associated with reserves prepared by different engineers, or by the same engineers at different times may vary. The Corporation's actual production, revenues, taxes and development and operating expenditures with respect to its reserves will vary from estimates thereof and such variations could be material.

Estimates of proved reserves that may be developed and produced in the future are often based upon volumetric calculations and upon analogy to similar types of reserves rather than actual production history. Recovery factors and drainage areas were estimated by experience and analogy to similar producing pools. Estimates based on these methods are generally less reliable than those based on actual production history. Subsequent evaluation of the same reserves based upon production history and production practices will result in variations in the estimated reserves and such variations could be material.

In accordance with applicable securities laws, the Corporation's independent reserves evaluator has used forecast prices and costs in estimating the reserves and future net cash flows as summarized herein. Actual future net cash flows will be affected by other factors, such as actual production levels, supply and demand for oil and natural gas, curtailments or increases in consumption by oil and natural gas purchasers, changes in governmental regulation or taxation and the impact of inflation on costs.

Actual production and cash flows derived from the Corporation's oil and natural gas reserves will vary from the estimates contained in the reserve evaluation, and such variations could be material. The reserve evaluation is based in part on the assumed success of activities the Corporation intends to undertake in future years. The reserves and estimated cash flows to be derived therefrom contained in the reserve evaluation will be reduced to the extent that such activities do not achieve the level of success assumed in the reserve evaluation. The reserve evaluation is effective as of a specific effective date and has not been updated and thus does not reflect changes in the Corporation's reserves since that date.

# **Availability of Drilling Equipment and Access**

Oil and natural gas exploration and development activities are dependent on the availability of drilling and related equipment (typically leased from third parties) in the particular areas where such activities will be conducted. Demand for such limited equipment or access restrictions may affect the availability of such equipment to the Corporation and may delay exploration and development activities.

#### **Project Risks**

The Corporation manages a variety of small and large projects in the conduct of its business. Project delays may delay expected revenues from operations. Significant project cost over-runs could make a project uneconomic. The Corporation's ability to execute projects and market oil and natural gas depends upon numerous factors beyond the Corporation's control, including:

- the availability of processing capacity;
- the availability and proximity of pipeline capacity;
- the availability of storage capacity;

- the availability of, and the ability to acquire, water supplies needed for drilling and hydraulic fracturing, or the Corporation's ability to dispose of water used or removed from strata at a reasonable cost and within applicable environmental regulations;
- the supply of and demand for oil and natural gas;
- the availability of alternative fuel sources;
- the effects of inclement weather;
- the availability of drilling and related equipment;
- unexpected cost increases;
- accidental events;
- currency fluctuations;
- changes in regulations;
- the availability and productivity of skilled labour; and
- the regulation of the oil and natural gas industry by various levels of government and governmental agencies.

Because of these factors, the Corporation could be unable to execute projects on time, on budget or at all, and may not be able to effectively market the oil and natural gas that it produces.

#### Seasonality

The level of activity in the Canadian oil and natural gas industry is influenced by seasonal weather patterns. Wet weather and spring thaw may make the ground unstable. Consequently, municipalities and provincial transportation departments enforce road bans that restrict the movement of rigs and other heavy equipment, thereby reducing activity levels. Also, certain oil and natural gas producing areas are located in areas that are inaccessible other than during the winter months because the ground surrounding the sites in these areas consists of swampy terrain. Seasonal factors and unexpected weather patterns may lead to declines in exploration and production activity and corresponding declines in the demand for the goods and services of the Corporation.

# **Gathering and Processing Facilities and Pipeline Systems**

The Corporation delivers its products through gathering, processing and pipeline systems some of which it does not own. The amount of oil and natural gas that the Corporation can produce and sell is subject to the accessibility, availability, proximity and capacity of these gathering, processing and pipeline systems. The lack of availability of capacity in any of the gathering, processing and pipeline systems, and in particular the processing facilities, could result in the Corporation's inability to realize the full economic potential of its production or in a reduction of the price offered for the Corporation's production. Any significant change in market factors or other conditions affecting these infrastructure systems and facilities, as well as any delays in constructing new infrastructure systems and facilities could harm the Corporation's business and, in turn, the Corporation's financial condition, results of operations and cash flows.

A portion of the Corporation's production may, from time to time, be processed through facilities owned by third parties and over which the Corporation does not have control. From time to time these facilities may discontinue or decrease operations either as a result of normal servicing requirements or as a result of unexpected events. A discontinuation or decrease of operations could materially adversely affect the Corporation's ability to process its production and to deliver the same for sale.

#### Competition

The petroleum industry is competitive in all its phases. The Corporation competes with numerous other organizations in the search for, and the acquisition of, oil and natural gas properties and in the marketing of oil and natural gas. The Corporation's competitors include oil and natural gas companies that have substantially greater financial resources, staff and facilities than those of the Corporation. The Corporation's ability to increase its reserves in the future will depend not only on its ability to explore and develop its present properties, but also on its ability to select and acquire other suitable producing properties or prospects for exploratory and development

drilling. Competitive factors in the distribution and marketing of oil and natural gas include price and methods and reliability of delivery and storage. Competition may also be presented by alternate fuel sources.

#### **Credit Facility Arrangements**

The Corporation currently has a credit facility and the amount authorized thereunder is dependent on the borrowing base determined by its lenders. The Corporation is required to comply with covenants under its credit facility which may, in certain cases, include certain financial ratio tests, which from time to time either affect the availability, or price, of additional funding and in the event that the Corporation does not comply therewith the Corporation's access to capital could be restricted or repayment could be required. The failure of the Corporation to comply with such covenants, which may be affected by events beyond the Corporation's control, could result in the default under the Corporation's credit facility which could result in the Corporation being required to repay amounts owing thereunder. Even if the Corporation is able to obtain new financing, it may not be on commercially reasonable terms or terms that are acceptable to the Corporation. If the Corporation is unable to repay amounts owing, the lenders under the credit facility could proceed to foreclose or otherwise realize upon the collateral granted to them to secure the indebtedness. The acceleration of the Corporation's indebtedness under one agreement may permit acceleration of indebtedness under other agreements that contain cross default or cross-acceleration provisions. In addition, the Corporation's credit facility may, from time to time, impose operating and financial restrictions on the Corporation that could include restrictions on, the payment of dividends, repurchase or making of other distributions with respect to the Corporation's securities, incurring of additional indebtedness, provision of guarantees, the assumption of loans, making of capital expenditures, entering into of amalgamations, mergers, take-over bids or disposition of assets, among others.

The Corporation's borrowing base is determined and re-determined by the Corporation's lenders based on the Corporation's reserves, commodity prices, applicable discount rate and other factors as determined by the Corporation's lenders. A material decline in commodity prices could reduce the Corporation's borrowing base, therefore reducing the funds available to the Corporation under the credit facility which could result in a portion, or all, of the Corporation's bank indebtedness be required to be repaid.

# **Hydraulic Fracturing**

Hydraulic fracturing involves the injection of water, sand and small amounts of additives under pressure into rock formations to stimulate hydrocarbon (oil and natural gas) production. The use of hydraulic fracturing is being used to produce commercial quantities of oil and natural gas from reservoirs that were previously unproductive. Any new laws, regulations or permitting requirements regarding hydraulic fracturing could lead to operational delays, increased operating costs or third party or governmental claims, and could increase the Corporation's costs of compliance and doing business as well as delay the development of oil and natural gas resources from shale formations which are not commercial without the use of hydraulic fracturing. Restrictions on hydraulic fracturing could also reduce the amount of oil and natural gas that the Corporation is ultimately able to produce from its reserves.

#### Global Financial Crisis

Recent market events and conditions, including disruptions in the international credit markets and other financial systems and the American and European sovereign debt levels have caused significant volatility in commodity prices. These conditions have caused a decrease in confidence in the global credit and financial markets and have created a climate of greater volatility, less liquidity, widening of credit spreads, a lack of price transparency, increased credit losses and tighter credit conditions. Notwithstanding various actions by governments, concerns about the general condition of the capital markets, financial instruments, banks, investment banks, insurers and other financial institutions caused the broader credit markets to further deteriorate and stock markets to decline substantially. This volatility may in the future affect the Corporation's ability to obtain equity or debt financing on acceptable terms.

#### **Hedging**

From time to time the Corporation may enter into agreements to receive fixed prices on its oil and natural gas production to offset the risk of revenue losses if commodity prices decline. However, to the extent that the Corporation engages in price risk management activities to protect itself from commodity price declines, it may also be prevented from realizing the full benefits of price increases above the levels of the derivative instruments used to manage price risk. In addition, the Corporation's hedging arrangements may expose it to the risk of financial loss in certain circumstances, including instances in which:

- production falls short of the hedged volumes;
- there is a widening of price-basis differentials between delivery points for production and the delivery point assumed in the hedge arrangement;
- the counterparties to the hedging arrangements or other price risk management contracts fail to perform under those arrangements; or
- a sudden unexpected event materially impacts oil and natural gas prices.

Similarly, from time to time the Corporation may enter into agreements to fix the exchange rate of Canadian to United States dollars in order to offset the risk of revenue losses if the Canadian dollar increases in value compared to the United States dollar; however, if the Canadian dollar declines in value compared to the United States dollar, the Corporation will not benefit from the fluctuating exchange rate.

#### **Variations in Foreign Exchange Rates and Interest Rates**

World oil and natural gas prices are quoted in United States dollars and the price received by Canadian producers is therefore affected by the Canadian/U.S. dollar exchange rate, which will fluctuate over time. In recent years, the Canadian dollar has increased materially in value against the United States dollar. Material increases in the value of the Canadian dollar negatively impact the Corporation's production revenues. Future Canadian/United States exchange rates could accordingly impact the future value of the Corporation's reserves as determined by independent evaluators.

To the extent that the Corporation engages in risk management activities related to foreign exchange rates, there is a credit risk associated with counterparties with which the Corporation may contract.

An increase in interest rates could result in a significant increase in the amount the Corporation pays to service debt, which could negatively impact the market price of the Common Shares.

#### **Environmental**

All phases of the oil and natural gas business present environmental risks and hazards and are subject to environmental regulation pursuant to a variety of federal, provincial and local laws and regulations. Environmental legislation provides for, among other things, restrictions and prohibitions on spills, releases or emissions of various substances produced in association with oil and natural gas operations. The legislation also requires that wells and facility sites be operated, maintained, abandoned and reclaimed to the satisfaction of applicable regulatory authorities. Compliance with such legislation can require significant expenditures and a breach of applicable environmental legislation may result in the imposition of fines and penalties, some of which may be material. Environmental legislation is evolving in a manner expected to result in stricter standards and enforcement, larger fines and liability and potentially increased capital expenditures and operating costs. The discharge of oil, natural gas or other pollutants into the air, soil or water may give rise to liabilities to governments and third parties and may require the Corporation to incur costs to remedy such discharge. Although the Corporation believes that it will be in material compliance with current applicable environmental regulations, no assurance can be given that environmental laws will not result in a curtailment of production or a material increase in the costs of production,

development or exploration activities or otherwise have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects.

#### Regulatory

Oil and natural gas operations (exploration, production, pricing, marketing and transportation) are subject to extensive controls and regulations imposed by various levels of government, which may be amended from time to time. See "Industry Conditions". Governments may regulate or intervene with respect to exploration and production activities, prices, taxes, royalties and the exportation of oil and natural gas. Such regulations may be changed from time to time in response to economic or political conditions. The implementation of new regulations or the modification of existing regulations affecting the oil and natural gas industry could reduce demand for crude oil and natural gas and increase the Corporation's costs, either of which may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. In order to conduct oil and natural gas operations, the Corporation will require licenses from various governmental authorities. There can be no assurance that the Corporation will be able to obtain all of the licenses and permits that may be required to conduct operations that it may wish to undertake.

#### **Insurance**

The Corporation's involvement in the exploration for and development of oil and natural gas properties may result in the Corporation becoming subject to liability for pollution, blow outs, leaks of sour natural gas, property damage, personal injury or other hazards. Although the Corporation maintains insurance in accordance with industry standards to address certain of these risks, such insurance has limitations on liability and may not be sufficient to cover the full extent of such liabilities. In addition, certain risks are not, in all circumstances, insurable or, in certain circumstances, the Corporation may elect not to obtain insurance to deal with specific risks due to the high premiums associated with such insurance or other reasons. The payment of any uninsured liabilities would reduce the funds available to the Corporation. The occurrence of a significant event that the Corporation is not fully insured against, or the insolvency of the insurer of such event, may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects.

## **Third Party Credit Risk**

The Corporation may be exposed to third party credit risk through its contractual arrangements with its current or future joint venture partners, marketers of its petroleum and natural gas production and other parties. In the event such entities fail to meet their contractual obligations to the Corporation, such failures may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. In addition, poor credit conditions in the industry and of joint venture partners may impact a joint venture partner's willingness to participate in the Corporation's ongoing capital program, potentially delaying the program and the results of such program until the Corporation finds a suitable alternative partner.

#### **Tax Horizon**

It is expected, based upon current legislation, the projections contained in the Sproule Report and various other assumptions that no cash income taxes are to be paid by the Corporation prior to 2017. A lower level of capital expenditures than those contained in the Sproule Report or should the assumptions used by the Corporation prove to be inaccurate, the Corporation may be required to pay cash income taxes sooner than anticipated, which will reduce cash flow available to the Corporation.

#### **Operational Dependence**

Other companies operate some of the assets in which the Corporation has an interest. As a result, the Corporation has limited ability to exercise influence over the operation of those assets or their associated costs, which could adversely affect the Corporation's financial performance. The Corporation's return on assets operated by others therefore depends upon a number of factors that may be outside of the Corporation's control, including the timing

and amount of capital expenditures, the operator's expertise and financial resources, the approval of other participants, the selection of technology and risk management practices.

#### Title to Assets

Although title reviews may be conducted prior to the purchase of oil and natural gas producing properties or the commencement of drilling wells, such reviews do not guarantee or certify that an unforeseen defect in the chain of title will not arise to defeat the Corporation's claim which may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. There may be valid challenges to title, or proposed legislative changes which affect title, to the oil and natural gas properties the Corporation controls that, if successful or made into law, could impair the Corporation's activities on them and result in a reduction of the revenue received by the Corporation.

# **Expiration of Licences and Leases**

The Corporation's properties are held in the form of licences and leases and working interests in licences and leases. If the Corporation or the holder of the licence or lease fails to meet the specific requirement of a licence or lease, the licence or lease may terminate or expire. There can be no assurance that any of the obligations required to maintain each licence or lease will be met. The termination or expiration of the Corporation's licences or leases or the working interests relating to a licence or lease may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects.

#### Failure to Realize Anticipated Benefits of Acquisitions and Dispositions

The Corporation considers acquisitions and dispositions of businesses and assets in the ordinary course of business. Achieving the benefits of acquisitions depends in part on successfully consolidating functions and integrating operations and procedures in a timely and efficient manner as well as the Corporation's ability to realize the anticipated growth opportunities and synergies from combining the acquired businesses and operations with those of the Corporation. The integration of acquired businesses may require substantial management effort, time and resources and may divert management's focus from other strategic opportunities and operational matters. Management continually assesses the value and contribution of services provided and assets required to provide such services. In this regard, non core assets may be periodically disposed of, so that the Corporation can focus its efforts and resources more efficiently. Depending on the state of the market for such non core assets, certain non core assets of the Corporation, if disposed of, could be expected to realize less than their carrying value on the financial statements of the Corporation.

In addition, acquisitions of oil and gas properties or companies are based in large part on engineering, environmental and economic assessments made by the acquiror, independent engineers and consultants. These assessments include a series of assumptions regarding such factors as recoverability and marketability of oil and natural gas, environmental restrictions and prohibitions regarding releases and emissions of various substances, future prices of oil and gas, future operating costs, future capital expenditures and royalties and other government levies which will be imposed over the producing life of the reserves. Many of these factors are subject to change and are beyond the control of the Corporation. All such assessments involve a measure of geologic, engineering, environmental and regulatory uncertainty that could result in lower production and reserves or higher operating or capital expenditures than anticipated. Although select title and environmental reviews are conducted prior to any purchase of resource assets, such reviews cannot guarantee that any unforeseen defects in the chain of title will not arise to defeat the Corporation's title to certain assets or that environmental defects, liabilities or deficiencies do not exist or are greater than anticipated. Such deficiencies or defects could adversely affect the value of the assets acquired and the Corporation's securities.

#### **Climate Change**

The Corporation's exploration and production facilities and other operations and activities emit greenhouse gases and require the Corporation to comply with greenhouse gas emissions legislation in Alberta or that may be enacted in other provinces. The Corporation may also be required comply with the regulatory scheme for greenhouse gas emissions ultimately adopted by the federal government, which regulations are expected to be consistent with the regulatory scheme for greenhouse gas emissions adopted by the United States. The direct or indirect costs of these regulations may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. The future implementation or modification of greenhouse gases regulations, whether to meet the limits regulated by the Copenhagen Accord or as otherwise determined, could have a material impact on the nature of oil and natural gas operations, including those of the Corporation. Given the evolving nature of the debate related to climate change and the control of greenhouse gases and resulting requirements, it is not possible to predict the impact on the Corporation and its operations and financial condition. See "Industry Conditions – Climate Change Regulation".

#### Geo-Political Risks

The marketability and price of oil and natural gas that may be acquired or discovered by the Corporation is and will continue to be affected by political events throughout the world that cause disruptions in the supply of oil. Conflicts, or conversely peaceful developments, arising in the Middle East, North Africa and other areas of the world have a significant impact on the price of oil and natural gas. Any particular event could result in a material decline in prices and therefore result in a reduction of the Corporation's net production revenue.

In addition, the Corporation's oil and natural gas properties, wells and facilities could be subject to a terrorist attack. If any of the Corporation's properties, wells or facilities are the subject of terrorist attack it may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. The Corporation does not have insurance to protect against the risk from terrorism.

#### **Aboriginal Claims**

Aboriginal peoples have claimed aboriginal title and rights to portions of western Canada. The Corporation is not aware that any claims have been made in respect of its properties and assets; however, if a claim arose and was successful such claim may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects.

# **Substantial Capital Requirements**

The Corporation anticipates making substantial capital expenditures for the acquisition, exploration, development and production of oil and natural gas reserves in the future. As future capital expenditures will be financed out of cash generated from operations, borrowings and possible future equity sales, the Corporation's ability to do so is dependent on, among other factors, the overall state of the capital markets, the Corporation's credit rating (if applicable), interest rates, tax burden due to new tax laws and investor appetite for investments in the energy industry and the Corporation's securities in particular. Further, if the Corporation's revenues or reserves decline, it may not have access to the capital necessary to undertake or complete future drilling programs. There can be no assurance that debt or equity financing, or cash generated by operations will be available or sufficient to meet these requirements or for other corporate purposes or, if debt or equity financing is available, that it will be on terms acceptable to the Corporation. The inability of the Corporation to access sufficient capital for its operations could have a material adverse effect on the Corporation's business financial condition, results of operations and prospects.

# **Additional Funding Requirements**

The Corporation's cash flow from its reserves may not be sufficient to fund its ongoing activities at all times and from time to time, the Corporation may require additional financing in order to carry out its oil and natural gas acquisition, exploration and development activities. As a result of the global economic volatility, the Corporation, along with many other oil and natural gas entities, may, from time to time, have restricted access to capital and

increased borrowing costs. Failure to obtain such financing on a timely basis could cause the Corporation to forfeit its interest in certain properties, miss certain acquisition opportunities and reduce or terminate its operations. If the Corporation's revenues from its reserves decrease as a result of lower oil and natural gas prices or otherwise, it will affect the Corporation's ability to expend the necessary capital to replace its reserves or to maintain its production. To the extent that external sources of capital become limited or unavailable or available on onerous terms, the Corporation's ability to make capital investments and maintain existing assets may be impaired, and its assets, liabilities, business, financial condition and results of operations may be materially and adversely affected as a result. In addition, the future development of the Corporation's petroleum properties may require additional financing and there are no assurances that such financing will be available or, if available, will be available upon acceptable terms. Failure to obtain any financing necessary for the Corporation's capital expenditure plans may result in a delay in development or production on the Corporation's properties.

#### **Issuance of Debt**

From time to time the Corporation may enter into transactions to acquire assets or shares of other organizations. These transactions may be financed in whole or in part with debt, which may increase the Corporation's debt levels above industry standards for oil and natural gas companies of similar size. Depending on future exploration and development plans, the Corporation may require additional debt financing that may not be available or, if available, may not be available on favourable terms. Neither the Corporation's articles nor its by laws limit the amount of indebtedness that the Corporation may incur. The level of the Corporation's indebtedness from time to time, could impair the Corporation's ability to obtain additional financing on a timely basis to take advantage of business opportunities that may arise.

#### **Management of Growth**

The Corporation may be subject to growth related risks including capacity constraints and pressure on its internal systems and controls. The ability of the Corporation to manage growth effectively will require it to continue to implement and improve its operational and financial systems and to expand, train and manage its employee base. The inability of the Corporation to deal with this growth may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects.

#### **Reliance on Key Personnel**

The Corporation's success depends in large measure on certain key personnel. The loss of the services of such key personnel may have a material adverse effect on the Corporation's business, financial condition, results of operations and prospects. The Corporation does not have any key person insurance in effect for the Corporation. The contributions of the existing management team to the immediate and near term operations of the Corporation are likely to be of central importance. In addition, the competition for qualified personnel in the oil and natural gas industry is intense and there can be no assurance that the Corporation will be able to continue to attract and retain all personnel necessary for the development and operation of its business. Investors must rely upon the ability, expertise, judgment, discretion, integrity and good faith of the management of the Corporation.

#### **Market Price of Common Shares**

The trading price of securities of oil and natural gas issuers is subject to substantial volatility. This volatility is often based on factors both related and unrelated to the financial performance or prospects of the issuers involved. The market price of the Common Shares could be subject to significant fluctuations in response to variations in the Corporation's operating results, financial condition, liquidity and other internal factors. Factors that could affect the market price of the Common Share that are unrelated to the Corporation's performance include domestic and global commodity prices and market perceptions of the attractiveness of particular industries. The price at which the Common Shares will trade cannot be accurately predicted.

#### **Dilution**

The Corporation may make future acquisitions or enter into financings or other transactions involving the issuance of securities of the Corporation which may be dilutive.

#### **Conflicts of Interest**

Circumstances may arise where members of the board of directors of the Corporation are directors or officers of corporations which are in competition to the interests of the Corporation. No assurances can be given that opportunities identified by such board members will be provided to the Corporation.

Certain directors of the Corporation are also directors of other oil and natural gas companies and as such may, in certain circumstances, have a conflict of interest requiring them to abstain from certain decisions. Conflicts, if any, will be subject to the procedures and remedies of the ABCA. See "Directors and Executive Officers – Conflicts of Interest".

#### **Dividends**

The Corporation has not paid any dividends on its outstanding shares. The amount of future cash dividends paid by the Corporation, if any, will be subject to the discretion of the board of directors of the Corporation and will depend on a variety of factors and conditions existing from time to time, including fluctuations in commodity prices, production levels, capital expenditure requirements, debt service requirements, operating costs, royalty burdens, foreign exchange rates and the satisfaction of the liquidity and solvency tests imposed by applicable corporate law for the declaration and payment of dividends. See "Dividend Policy".

#### **Internal Controls**

Effective internal controls are necessary for the Corporation to provide reliable financial reports and to help prevent fraud. Although the Corporation will undertake a number of procedures in order to help ensure the reliability of its financial reports, including those imposed on it under Canadian securities laws, the Corporation cannot be certain that such measures will ensure that the Corporation will maintain adequate control over financial processes and reporting. Failure to implement required new or improved controls, or difficulties encountered in their implementation, could harm the Corporation's results of operations or cause it to fail to meet its reporting obligations. If the Corporation or its independent auditors discover a material weakness, the disclosure of that fact, even if quickly remedied, could reduce the market's confidence in the Corporation's financial statements and harm the trading price of the Common Shares.

# DISCLOSURE PURSUANT TO THE REQUIREMENTS OF THE NEW YORK STOCK EXCHANGE

As a foreign private issuer listed on the NYSE, AOG is not required to comply with most of the NYSE rules and listing standards and instead may comply with domestic Canadian requirements. AOG is, however, required to comply with the following NYSE Rules: (i) AOG must have an audit committee that satisfies the requirements of Rule 10A-3 under the United States Securities Exchange Act of 1934, as amended; (ii) the Chief Executive Officer must promptly notify the NYSE in writing after an executive officer becomes aware of any non-compliance with the applicable NYSE Rules; (iii) submit an executed Section 303A annual written affirmation to the NYSE, as well as an Section 303A interim affirmation each time certain changes occurs to the audit committee; and (iv) provide a brief description of any significant differences between its corporate governance practices and those followed by U.S. domestic issuers under NYSE listing standards. AOG has reviewed the NYSE listing standards followed by U.S. domestic issuers listed under the NYSE and confirms that its corporate governance practices do not differ significantly from such standards.

# ADDITIONAL INFORMATION

Additional information relating to the Corporation can be found on SEDAR at <a href="www.sedar.com">www.sedar.com</a> and the Corporation's website at <a href="www.advantageog.com">www.advantageog.com</a>.

Additional information, including directors' and officers' remuneration and indebtedness, principal holders of Common Shares and securities authorized for issuance under equity compensation plans, will be contained in the Corporation's Information Circular for the most recent annual meeting of shareholders that involved the election of directors of AOG.

Additional financial information is provided for in the Corporation's financial statements and management's discussion and analysis for the year ended December 31, 2011.

# SCHEDULE "A"

# REPORT OF MANAGEMENT AND DIRECTORS ON OIL AND GAS DISCLOSURE (FORM 51-101F3)

Management of Advantage Oil & Gas Ltd. ("AOG") is responsible for the preparation and disclosure of information with respect to AOG's oil and gas activities in accordance with securities regulatory requirements. This information includes reserves data which are estimates of proved reserves and probable reserves and related future net revenue as at December 31, 2011, estimated using forecast prices and costs.

An independent qualified reserves evaluator has evaluated AOG's reserves data. The report of the independent qualified reserves evaluator is presented below.

The independent reserves evaluation committee of the board of directors of AOG has:

- (a) reviewed AOG's procedures for providing information to the independent qualified reserves evaluator;
- (b) met with the independent qualified reserves evaluator to determine whether any restrictions affected the ability of the independent qualified reserves evaluator to report without reservation; and
- (c) reviewed the reserves data with management and the independent qualified reserves evaluator.

The independent reserves evaluation committee of the board of directors of AOG has reviewed AOG's procedures for assembling and reporting other information associated with oil and gas activities and has reviewed that information with management. The board of directors has, on the recommendation of the independent reserves evaluation committee, approved:

- (a) the content and filing with securities regulatory authorities of Form 51-101F1 containing reserves data and other oil and gas information;
- (b) the filing of Form 51-101F2 which is the report of the independent qualified reserves evaluator on the reserves data; and
- (c) the content and filing of this report.

Because the reserves data are based on judgments regarding future events, actual results will vary and the variations may be material.

(signed) "Andy Mah"

Andy Mah

President and Chief Executive Officer

(signed) "Kelly I. Drader" Kelly I. Drader Chief Financial Officer

(signed) "Ronald A. McIntosh" Ronald A. McIntosh Director (signed) "John Howard" John Howard Director

March 23, 2012

# SCHEDULE "B"

# REPORT ON RESERVES DATA BY INDEPENDENT QUALIFIED RESERVES EVALUATOR OR AUDITOR (FORM 51-101 F2)

To the Board of Directors of Advantage Oil & Gas Ltd. (the "Company"):

- 1. We have evaluated the Company's Reserves Data as at December 31, 2011. The reserves data are estimates of proved reserves and probable reserves and related future net revenue as at December 31, 2011, estimated using forecast prices and costs.
- 2. The Reserves Data are the responsibility of the Company's management. Our responsibility is to express an opinion on the Reserves Data based on our evaluation.
  - We carried out our evaluation in accordance with standards set out in the Canadian Oil and Gas Evaluation Handbook (the "COGE Handbook"), prepared jointly by the Society of Petroleum Evaluation Engineers (Calgary Chapter) and the Canadian Institute of Mining, Metallurgy & Petroleum (Petroleum Society).
- 3. Those standards require that we plan and perform an evaluation to obtain reasonable assurance as to whether the reserves data are free of material misstatement. An evaluation also includes assessing whether the reserves data are in accordance with principles and definitions presented in the COGE Handbook.
- 4. The following table sets forth the estimated future net revenue (before deduction of income taxes) attributed to proved plus probable reserves, estimated using forecast prices and costs and calculated using a discount rate of 10 percent, included in the reserves data of the Company and Longview Oil Corp. evaluated by us as of December 31, 2011, and identifies the respective portions thereof that we have audited, evaluated and reviewed and reported on to the Company's management and Board of Directors:

Independent Qualified		Location of	Net Present Value of Future Net Revenue Before Income Taxes (10% Discount Rate)			
Reserves Evaluator or Auditor	Description and Preparation Date of Evaluation Report	Reserves (County)	Audited (M\$)	Evaluated (M\$)	Reviewed (M\$)	Total (M\$)
Sproule Associates Limited	Evaluation of the P&NG Reserves of Advantage Oil & Gas Ltd. and Longview Oil Corp.	Canada				
	As of December 31, 2011, prepared		nil	2,212,080	nil	2,212,080
Total	October 2011 to February 2012		nil	2,212,080	nil	2,212,080

- 5. In our opinion, the reserves data evaluated by us have, in all material respects, been determined and are presented in accordance with the COGE Handbook, consistently applied. We express no opinion on the reserves data that we reviewed but did not audit or evaluate.
- 6. We have no responsibility to update the report referred to in paragraph 4 for events and circumstances occurring after its preparation date.
- 7. Because the reserves data are based on judgements regarding future events, actual results will vary and the variations may be material.

# Executed as to our report referred to above:

Sproule Associates Limited Calgary, Alberta March 9, 2012 Original Signed by Cameron P. Six, P. Eng. Cameron P. Six, P. Eng. Vice President, Engineering and Partner

Original Signed by Lucia M. Precul, P. Eng Lucia M. Precul, P.Eng Senior Petroleum Engineer and Partner

Original Signed by Tanja M. Hale, P. Eng Tanja M. Hale, P. Eng. Senior Petroleum Engineer and Associate

Original Signed by Brent A. Hawkwood, C.E.T.. Brent A. Hawkwood, C.E.T. Senior Petroleum Technologist and Partner

<u>Original Signed by Alec Kovaltchouk, P. Geol</u> Alec Kovaltchouk, P. Geol. Manager, Geoscience and Partner

Original Signed by Harry J. Helwerda, P. Eng., FEC Harry J. Helwerda, P. Eng., FEC Executive Vice-President and Director